AIR SCIENCES INC.

DENVER • PORTLAND

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

July 1 – September 30, 2015

PREPARED FOR:
RESOLUTION COPPER
A MEMBER OF RIO TINTO GROUP

262-13
JANUARY 2016

CONTENTS PAGE

1.0 Introduction 1
1.1 Location 1
1.2 Monitoring Program Description 3
1.2.1 Meteorological and Upper Air Data 3
1.2.2 NO_2 Data 4
1.2.3 SO_2 Data 4
1.2.4 O_3 Data 4
1.2.5 PM Data 5
2.0 Data Recovery Rates 6
2.1 Data Loss 6
2.1.1 Meteorological Data Loss 6
2.1.2 NO_2 Data Loss 7
2.1.3 SO_2 Data Loss 7
2.1.4 O_3 Data Loss 7
2.1.5 PM Data Loss 7
2.2 Quality Control 8
3.0 Meteorological Data Summary and Discussion 10
3.1 Meteorological Data Summary 10
3.2 Meteorological and Upper-Air Data Discussion 15
3.2.1 Upper-Air and Anemometer Data Comparison 15
4.0 PM Data Summary and Discussion 17
4.1 East Plant PM Data Summary 17
4.2 West Plant PM Data Summary 18
4.3 PM Data Discussion 18
4.3.1 PM_{10} 18
4.3.2 $PM_{2.5}$ 19
5.0 NO_2 Data Summary and Discussion 20
5.1 NO_2 Data Summary 20
5.2 NO_2 Data Discussion 21
6.0 SO_2 Data Summary and Discussion 22
6.1 SO_2 Data Summary 22
6.2 SO_2 Data Discussion 22
7.0 O_3 Data Summary and Discussion 23

7.1 O_3 Data Summary 23
7.2 O_3 Data Discussion 23

Tables

Table 1. Monitoring Station Locations 1
Table 2. Sensors and Heights 3
Table 3. Data Recovery Rates, East Plant and West Plant 6

Figures

Figure 1. Resolution Monitoring Stations Locations 2
Figure 2. Dates of Site Checks, Audits, and Calibrations 9
Figure 3. East Plant Meteorological Data Summary 11
Figure 4. West Plant Meteorological Data Summary 12
Figure 5. Hewitt Meteorological Data Summary 13
Figure 6. Wind Speed Comparison 15
Figure 7. Zonal Component (u) Comparison 16
Figure 8. Meridional Component (v) Comparison 16
Figure 9. East Plant Particulate Data 17
Figure 10. West Plant Particulate Data 18
Figure 11. NO_2 Maximum Hourly Concentration for Each Calendar Day 20
Figure 12. NO_2 Mean Hourly Concentrations 21
Figure 13. SO_2 Maximum Hourly Concentration for Each Calendar Day 22
Figure 14. O_3 Daily Rolling 8-Hour Maximum 23

Appendices

Appendix A: Meteorological Data – Hourly
Appendix B: PM_{10} and $PM_{2.5}$ Data – Hourly
Appendix C: NO_2, SO_2, O_3 Data – East Plant – Hourly
Appendix D: West Plant Meteorological Site Check Forms
Appendix E: West Plant PM_{10} and $PM_{2.5}$ Site Check Forms and Flow Audits
Appendix F: East Plant Meteorological Site Check Forms
Appendix G: East Plant PM_{10} and $PM_{2.5}$ Site Check Forms and Flow Audits
Appendix H: East Plant SO_2, NO_x, and O_3 Site Check and Audit Forms

Appendix I: Audits and Calibrations
Appendix J: CD

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 third quarter, July 1 – September 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

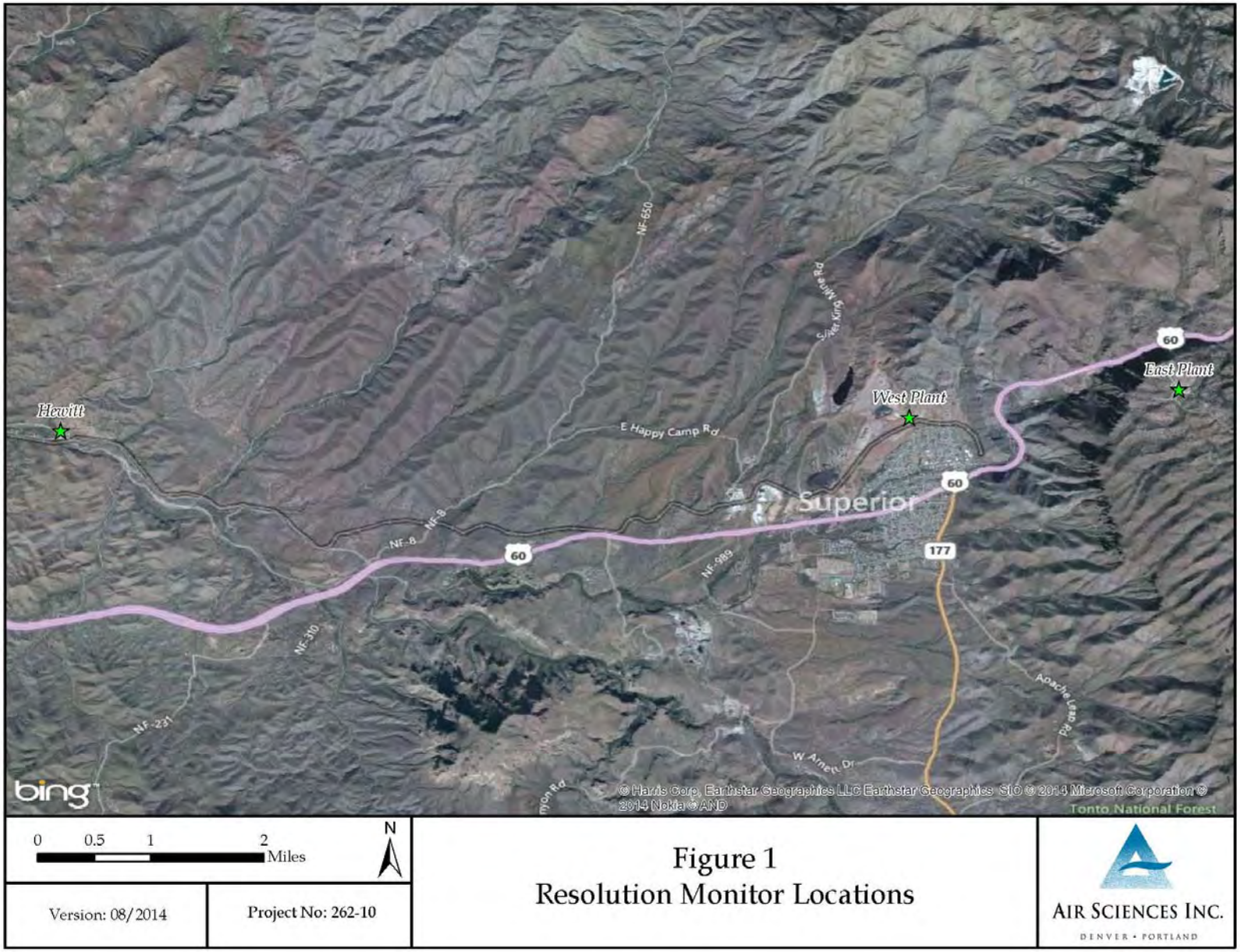
The Resolution Copper Project is located near Superior, Arizona. Currently there are three monitoring stations. The East Plant station is located at the main project site, east of Superior. The West Plant station is located at RCML's facilities directly north of Superior, Arizona. The Hewitt station 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 July 1 through September 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 July 1 through September 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 July 1 through September 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 July 1 through September 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 July 1 through September 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
July 1 – September 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)	2,207	99.9	2,203	99.8	2,205	99.9	90
Wind direction (10 m)	2,207	99.9	2,203	99.8	2,205	99.9	90
Temperature (2 m)	2,207	99.9	2,203	99.8	2,205	99.9	90
Delta temperature	2,207	99.9	2,203	99.8	2,205	99.9	90
Relative humidity	2,207	99.9	2,203	99.8	2,205	99.9	90
Barometric pressure	2,207	99.9	2,203	99.8	2,205	99.9	90
Precipitation	2,207	99.9	2,203	99.8	2,205	99.9	90
Solar radiation	2,207	99.9	2,203	99.8	2,205	99.9	90
SoDAR							
Wind speed (3 - 190 m)					2,116 - 2,183	95.9 - 98.9	90
Wind direction (3 - 190 m)					2,116 - 2,183	95.9 - 98.9	90
NO_2	77	83.7	--	--			75
O_3	87	94.6	--	--			75
SO_2	91	98.9	--	--			75
PM_{10}	89	96.7	92	100			75
$PM_{2.5}$	80	87.0	88	95.7			75

*Meteorological parameters are observed hourly (2,208 hours in this period).
NO_2, O_3, SO_2, and PM parameters are observed every 24 hours (92 days in this period).

2.1 Data Loss

2.1.1 Meteorological Data Loss

2.1.1.1 East Plant

One hour of meteorological data were invalidated at the East Plant station on July 14, 2015, due to the quarterly audit.

2.1.1.2 West Plant

Three hours of meteorological data were invalidated at the West Plant station on July 13, 2015, due to the quarterly audit. An additional two hours of meteorological data were invalidated on July 16, 2015, due to maintenance.

2.1.1.3 Hewitt Station

Three hours of meteorological data were invalidated at Hewitt Station on July 14, 2015, due to the quarterly audit.

2.1.2 NO_2 Data Loss

NO_2 24-hour maximum data were invalidated from July 1, to July 14, 2015, due to analyzer calibration drift; and on July 15, 2015, due to the quarterly maintenance, audit and calibration performed by Air Sciences.

Additional invalid hourly NO_2 data were due to maintenance, Level 1 and Level 2 zero/span checks.

2.1.3 SO_2 Data Loss

SO_2 24-hour maximum data were invalidated on July 15 due to the quarterly maintenance, 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

O_3 rolling 8-hour maximum data were invalidated from July 10, to July 13, 2015, due to the analyzer being offline; and on July 15, 2015, due to the quarterly maintenance, audit and calibration performed by Air Sciences.

Additional invalid hourly O_3 data were due to Level 1 and Level 2 zero/span checks.

2.1.5 PM Data Loss

2.1.5.1 East Plant

24-hour average PM_{10} data were invalidated from August 2 to August 4, 2015, due to a tape break error.

Hourly and 24-hour average $PM_{2.5}$ data were missing from July 1 to July 7, 2015 due to the unit being left in maintenance mode; and from July 10 to July 14, 2015 due to the annual 72-hour background test.

Additional invalid hourly PM data at the East Plant were due to monthly flow verifications, regularly scheduled maintenance, power outages, internal instrument errors, and an audit performed by Air Sciences on July 14, 2015.

.

2.1.5.2 West Plant

No 24-hour average PM_{10} data were invalidated for this quarter.

Hourly and 24-hour average $PM_{2.5}$ data were invalidated from July 10 to July 13, 2015 due to the annual 72-hour background test.

Additional invalid hourly PM data at the West Plant were due to monthly flow verifications, regularly scheduled maintenance, power outages, internal instrument errors, and an audit performed by Air Sciences on July 13, 2015.

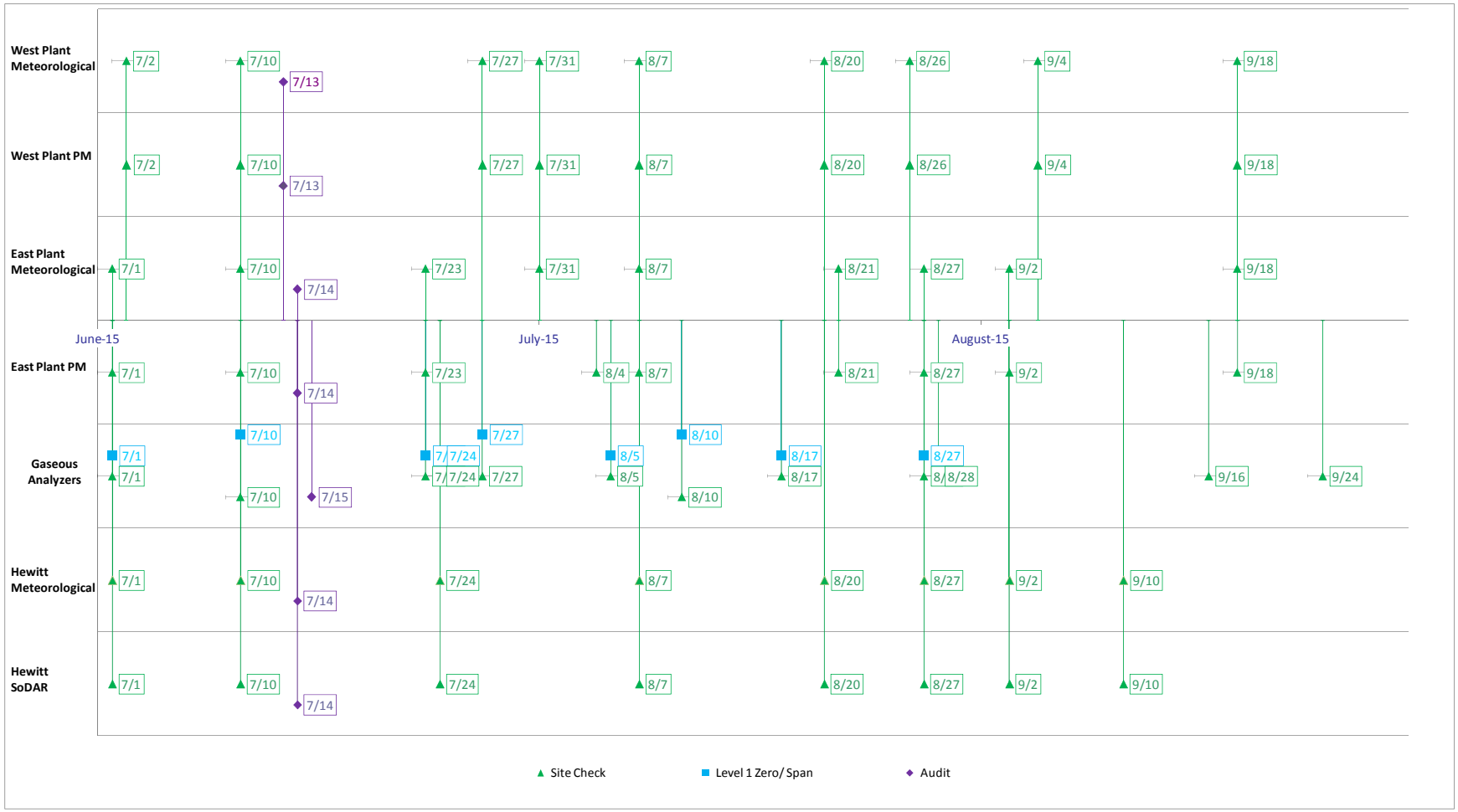
2.2 Quality Control

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. Audits of the meteorological stations occurred between July 13, and July 14, 2015. Audits and/or calibrations of the ambient air quality monitors and analyzers are required every three months. At the West and East Plant, Air Sciences performed audits of the particulate monitors on July 13, and July 14, 2015, respectively. Audits and calibrations of the air quality analyzers at East Plant occurred on July 14 and July 15, 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
July 1- September 30, 2015



3.0 METEOROLOGICAL DATA SUMMARY AND DISCUSSION

3.1 Meteorological Data Summary

Meteorological and upper-air data from the third 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:

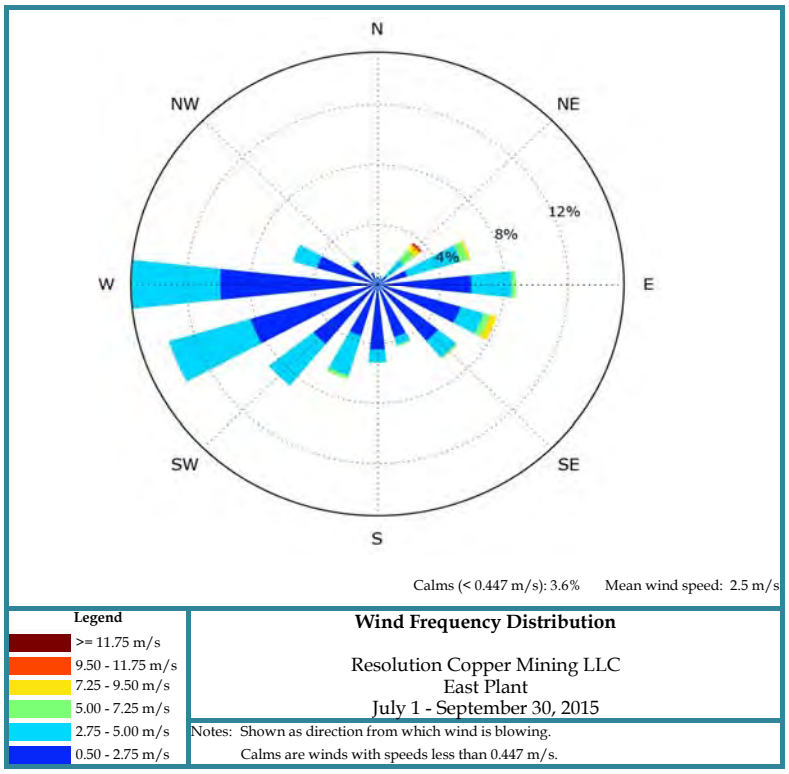
Wind Rose – Graphically depicts the percentage of winds that come from each of the 16 directions for the reported period. Wind speeds are divided into six subcategories ranging from less than 0.5 m/s (the measurement threshold of the instrument) to greater than 11.75 m/ s.

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

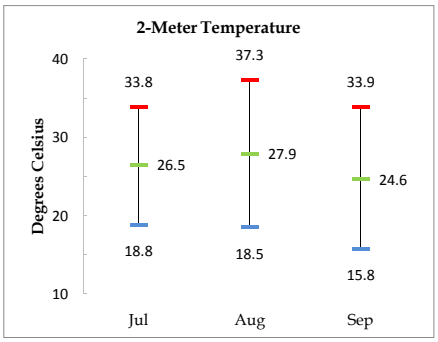
Meteorological Data: July 1 - September 30, 2015

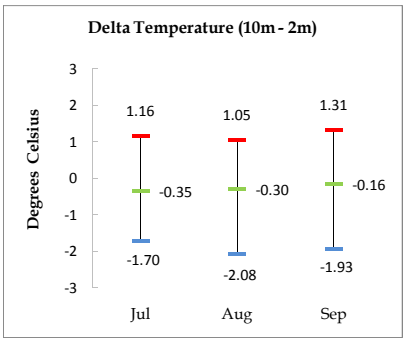


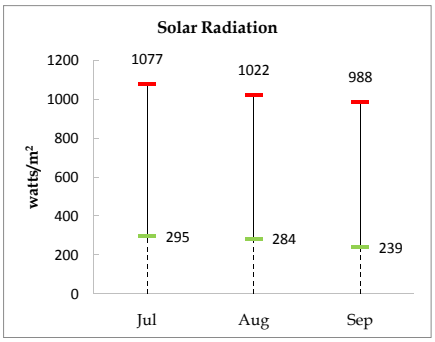
Direction	Speed Class Intervals (m/s) (percent of occurrence) 0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Mean Speed
N	0.4	0.2	0.0	0.0	0.0	0.0	0.5	1.3
NNE	0.4	0.1	0.1	0.0	0.0	0.0	0.6	1.9
NE	0.2	0.5	1.4	0.8	0.5	0.1	3.6	4.9
ENE	0.6	2.1	2.7	0.5	0.2	0.0	6.1	3.3
E	2.5	3.9	2.0	0.3	0.0	0.0	8.7	2.3
ESE	2.2	3.4	1.4	0.5	0.4	0.0	7.8	2.6
SE	2.6	2.7	1.1	0.0	0.0	0.0	6.4	2.0
SSE	2.2	1.7	0.4	0.1	0.0	0.0	4.3	1.7
S	2.7	2.0	0.5	0.0	0.0	0.0	5.3	1.7
SSW	1.4	2.6	2.4	0.2	0.0	0.0	6.6	2.6
SW	1.1	5.2	2.4	0.0	0.0	0.0	8.7	2.5
WSW	1.3	8.7	3.6	0.0	0.0	0.0	13.6	2.5
W	2.2	9.7	3.5	0.0	0.0	0.0	15.5	2.4
WNW	1.4	3.1	1.0	0.0	0.0	0.0	5.5	2.2
NW	0.8	1.3	0.0	0.0	0.0	0.0	2.1	1.8
NNW	0.4	0.5	0.0	0.0	0.0	0.0	0.9	1.6
All	22.2	47.7	22.7	2.4	1.2	0.1	96.4	2.5

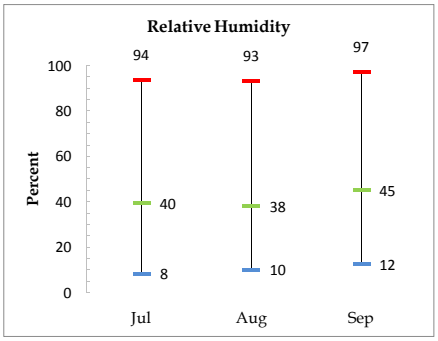
Key

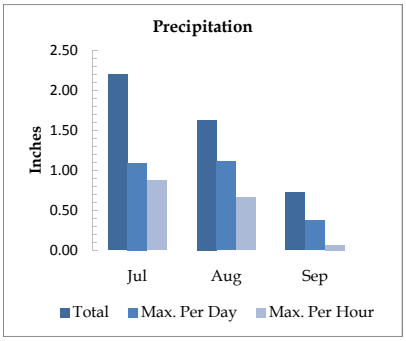
Maximum — Average — Minimum











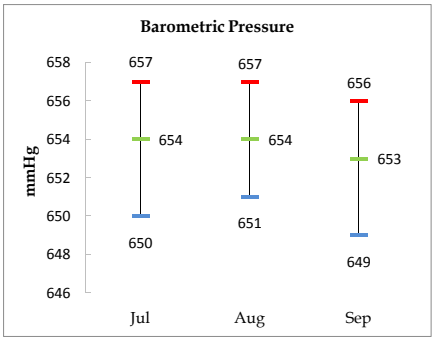
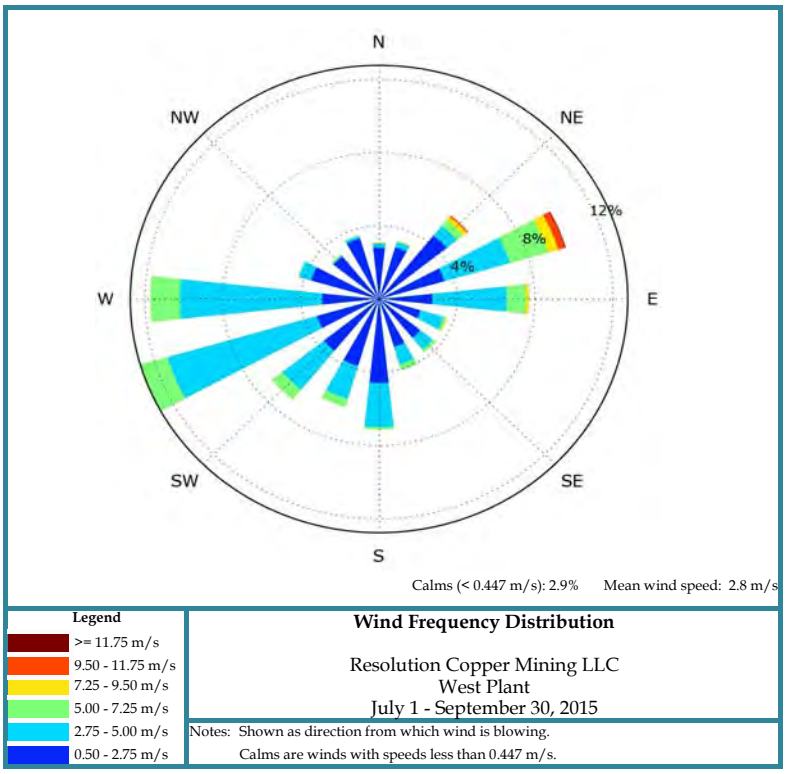


Figure 4: West Plant Meteorological Data Summary

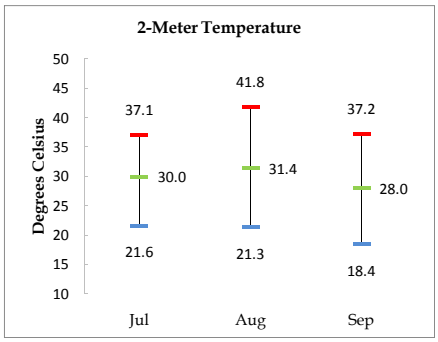
Meteorological Data: July 1 - September 30, 2015

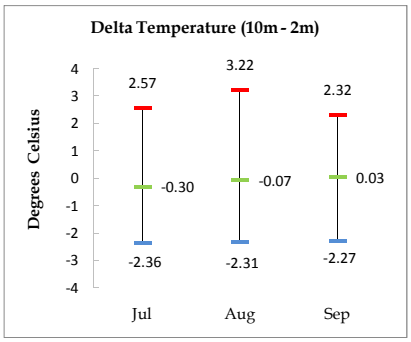


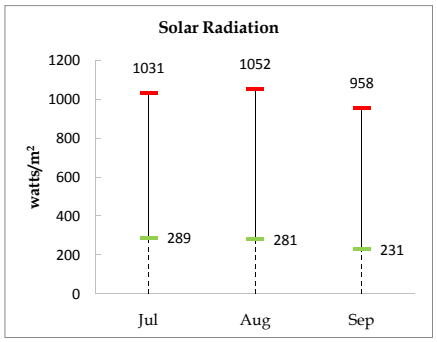
	Speed Class Intervals (m/s) (percent of occurrence)							Mean
Direction	0.5 <1.5	1.5 <3	3 <5	5 <7	7 <10	>=10	All	Speed
N	2.3	0.6	0.2	0.0	0.0	0.0	3.1	1.4
NNE	2.3	0.7	0.2	0.0	0.0	0.0	3.3	1.4
NE	2.7	1.9	0.5	0.4	0.3	0.0	5.9	2.3
ENE	1.7	2.1	3.2	2.0	0.8	0.3	10.0	4.0
E	1.3	2.0	3.3	0.9	0.2	0.0	7.7	3.3
ESE	1.1	1.4	1.0	0.1	0.0	0.0	3.6	2.5
SE	1.3	1.6	0.7	0.2	0.0	0.0	3.7	2.3
SSE	1.4	1.6	0.7	0.3	0.0	0.0	4.0	2.4
S	2.1	3.0	1.9	0.1	0.0	0.0	7.1	2.4
SSW	2.0	2.2	1.5	0.5	0.0	0.0	6.1	2.5
SW	1.6	2.7	2.1	0.7	0.0	0.0	7.0	2.8
WSW	1.2	2.8	7.4	1.4	0.0	0.0	12.8	3.5
W	1.2	2.3	6.7	1.5	0.0	0.0	11.7	3.5
WNW	2.5	1.4	0.4	0.0	0.0	0.0	4.3	1.6
NW	2.4	0.6	0.0	0.1	0.0	0.0	3.1	1.2
NNW	2.8	0.7	0.0	0.0	0.0	0.0	3.6	1.2
All	29.7	27.6	29.8	8.2	1.5	0.3	97.1	2.8

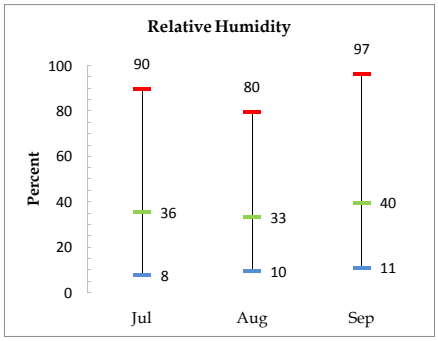
Key

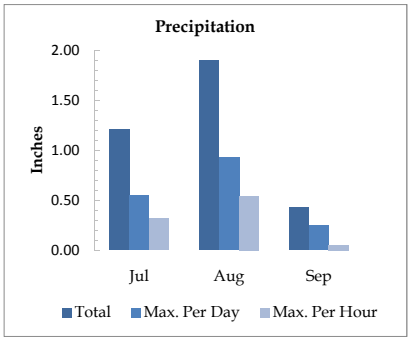
Maximum — Average — Minimum











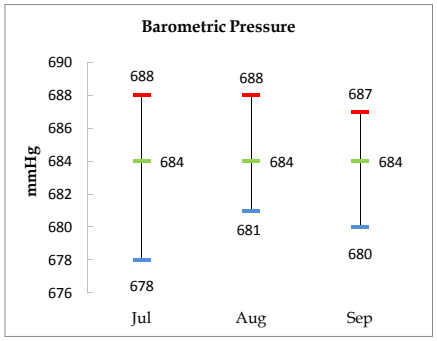
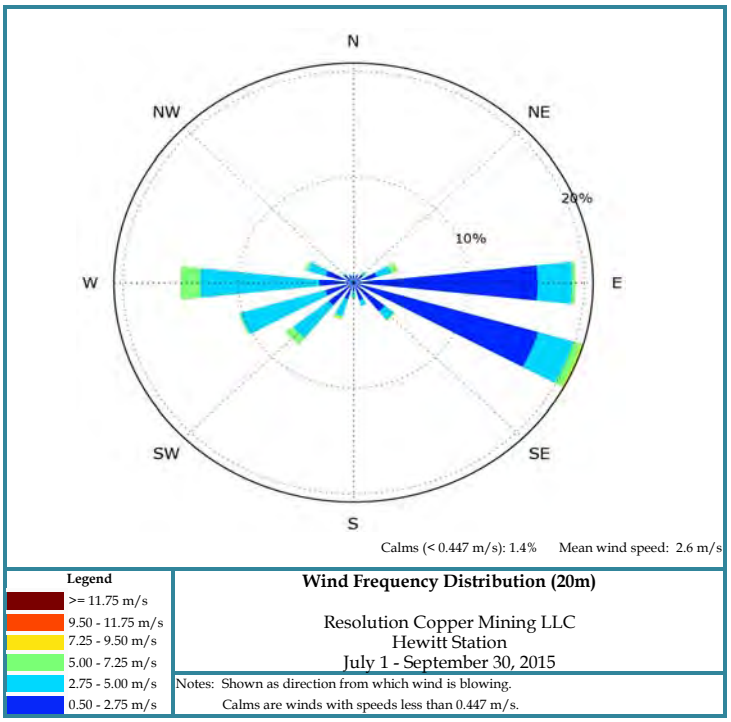


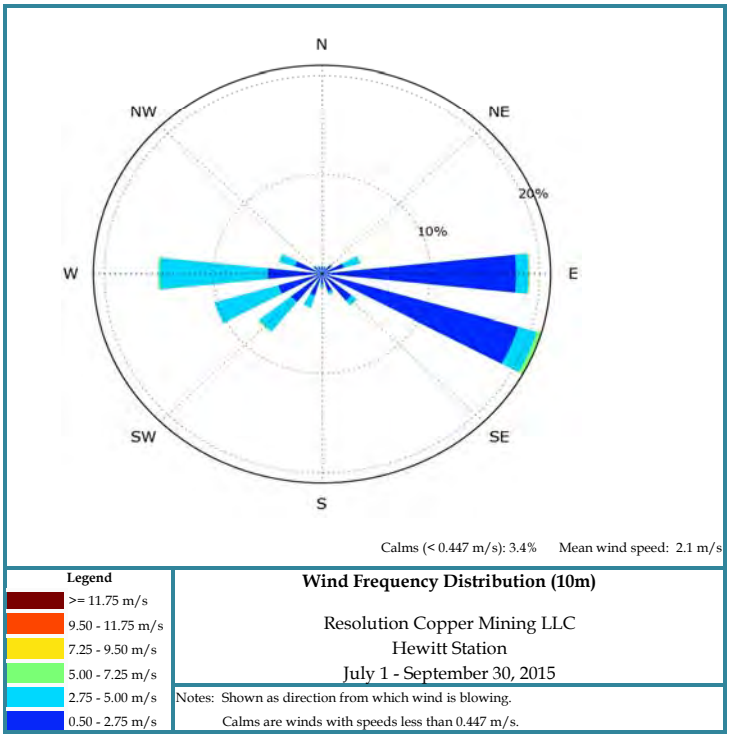
Figure 5: Hewitt Station Meteorological Data Summary

Meteorological Data: July 1 - September 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	0.5	0.3	0.0	0.0	0.0	0.0	0.9	1.8
NNE	0.6	0.2	0.0	0.0	0.0	0.0	1.0	1.7
NE	0.8	0.3	0.2	0.0	0.0	0.0	1.4	1.9
ENE	1.5	0.7	1.2	0.5	0.0	0.0	4.0	2.8
E	8.8	7.9	2.2	0.3	0.0	0.0	19.2	1.9
ESE	8.3	9.0	2.6	0.7	0.2	0.0	20.8	2.1
SE	1.8	2.0	0.7	0.1	0.0	0.0	4.6	2.2
SSE	0.8	1.1	0.5	0.0	0.0	0.0	2.3	2.1
S	0.2	0.7	0.5	0.1	0.0	0.0	1.5	2.7
SSW	0.4	1.5	1.4	0.3	0.0	0.0	3.6	3.0
SW	0.6	2.6	3.4	0.8	0.0	0.0	7.5	3.3
WSW	0.5	2.9	6.7	0.1	0.0	0.0	10.3	3.2
W	0.7	3.4	9.3	1.7	0.0	0.0	15.0	3.6
WNW	1.0	1.7	1.4	0.2	0.0	0.0	4.4	2.6
NW	0.6	0.5	0.1	0.0	0.0	0.0	1.2	1.7
NNW	0.4	0.5	0.1	0.0	0.0	0.0	0.9	1.8
All	27.6	35.3	30.3	5.0	0.4	0.0	98.6	2.6

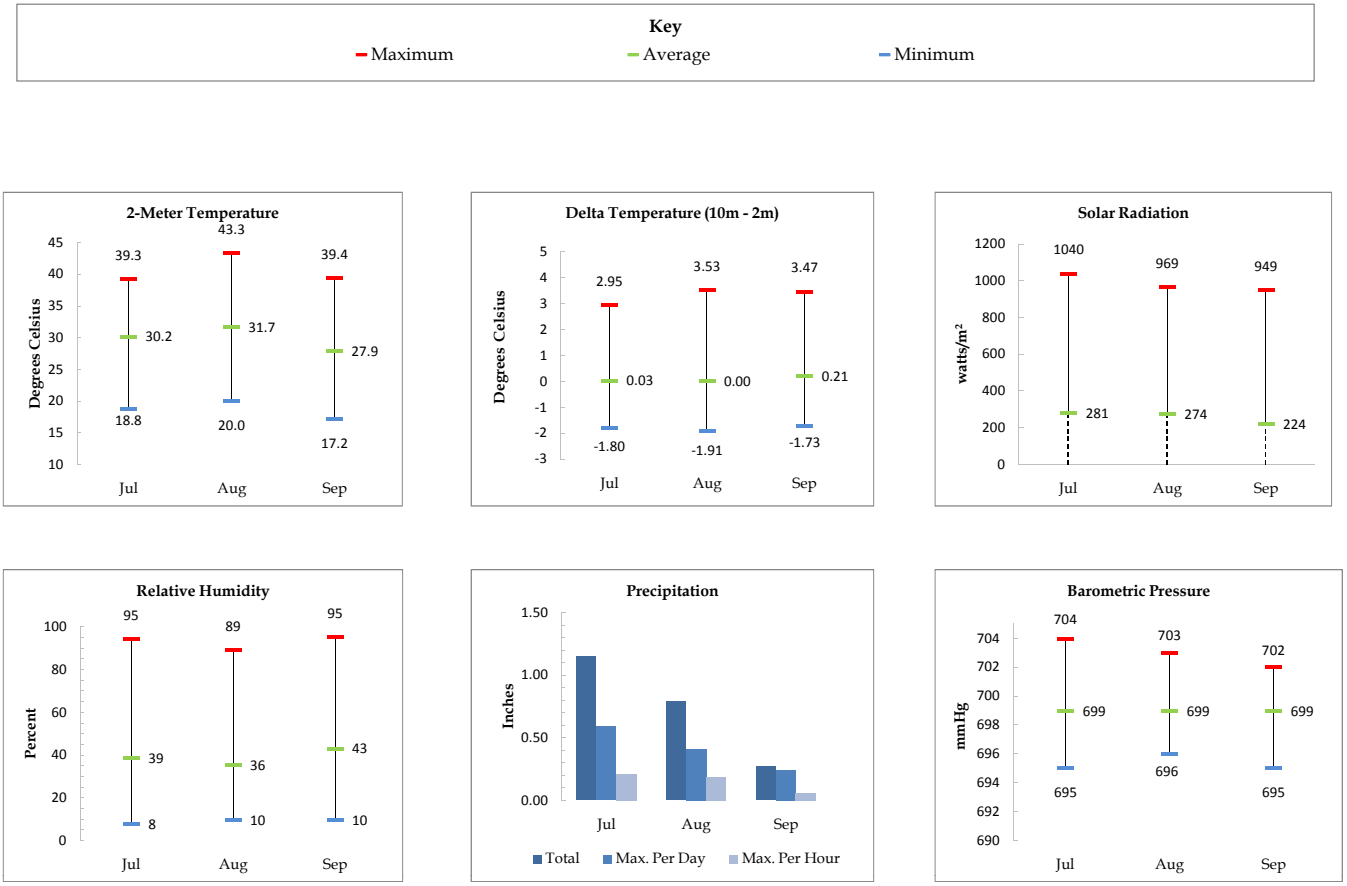


10 Meters

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	0.5	0.1	0.1	0.0	0.0	0.0	0.8	1.5
NNE	0.5	0.1	0.1	0.0	0.0	0.0	0.8	1.6
NE	0.8	0.4	0.1	0.0	0.0	0.0	1.3	1.6
ENE	1.4	1.0	1.3	0.0	0.0	0.0	3.7	2.3
E	14.0	4.2	0.8	0.1	0.0	0.0	19.0	1.3
ESE	13.3	5.9	1.3	0.5	0.0	0.0	21.0	1.5
SE	1.8	1.8	0.5	0.0	0.0	0.0	4.1	1.8
SSE	1.0	1.0	0.2	0.0	0.0	0.0	2.2	1.8
S	0.4	0.7	0.3	0.0	0.0	0.0	1.4	2.3
SSW	0.7	1.9	1.0	0.0	0.0	0.0	3.6	2.5
SW	0.8	3.6	3.0	0.1	0.0	0.0	7.5	2.8
WSW	1.0	5.1	4.3	0.0	0.0	0.0	10.3	2.8
W	1.1	5.3	8.5	0.1	0.0	0.0	15.1	3.1
WNW	1.3	1.7	1.0	0.0	0.0	0.0	4.1	2.2
NW	0.4	0.5	0.0	0.0	0.0	0.0	1.0	1.7
NNW	0.4	0.3	0.1	0.0	0.0	0.0	0.8	1.5
All	39.2	33.7	22.7	1.0	0.0	0.0	96.6	2.1

Figure 5: Hewitt Station Meteorological Data Summary (Continued)

Meteorological Data: July 1 - September 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 third 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
July 1 – September 30, 2015

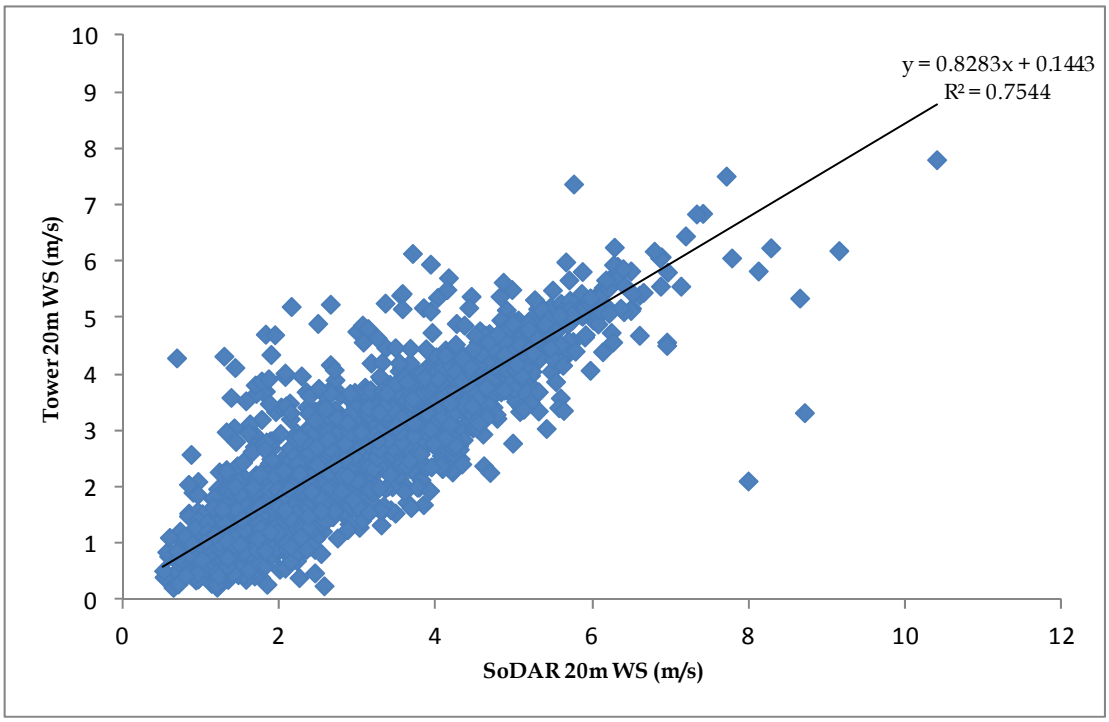


Figure 7. Zonal Component (u) Comparison
July 1 – September 30, 2015

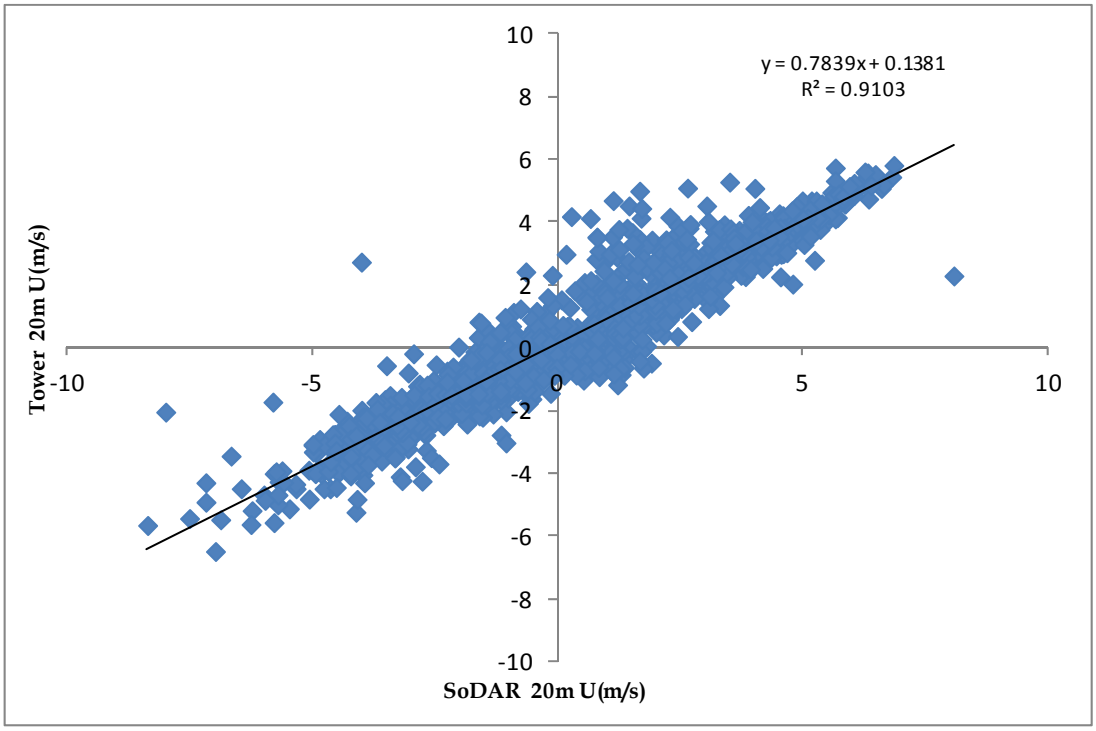
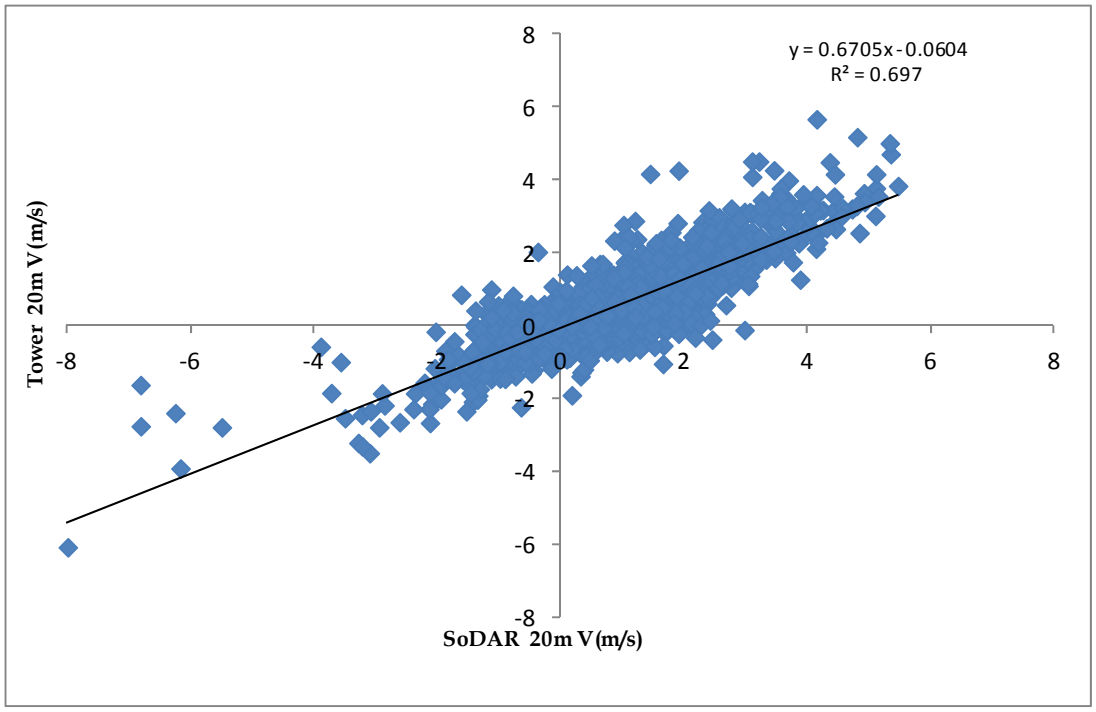


Figure 8. Meridional Component (v) Comparison
July 1 – September 30, 2015

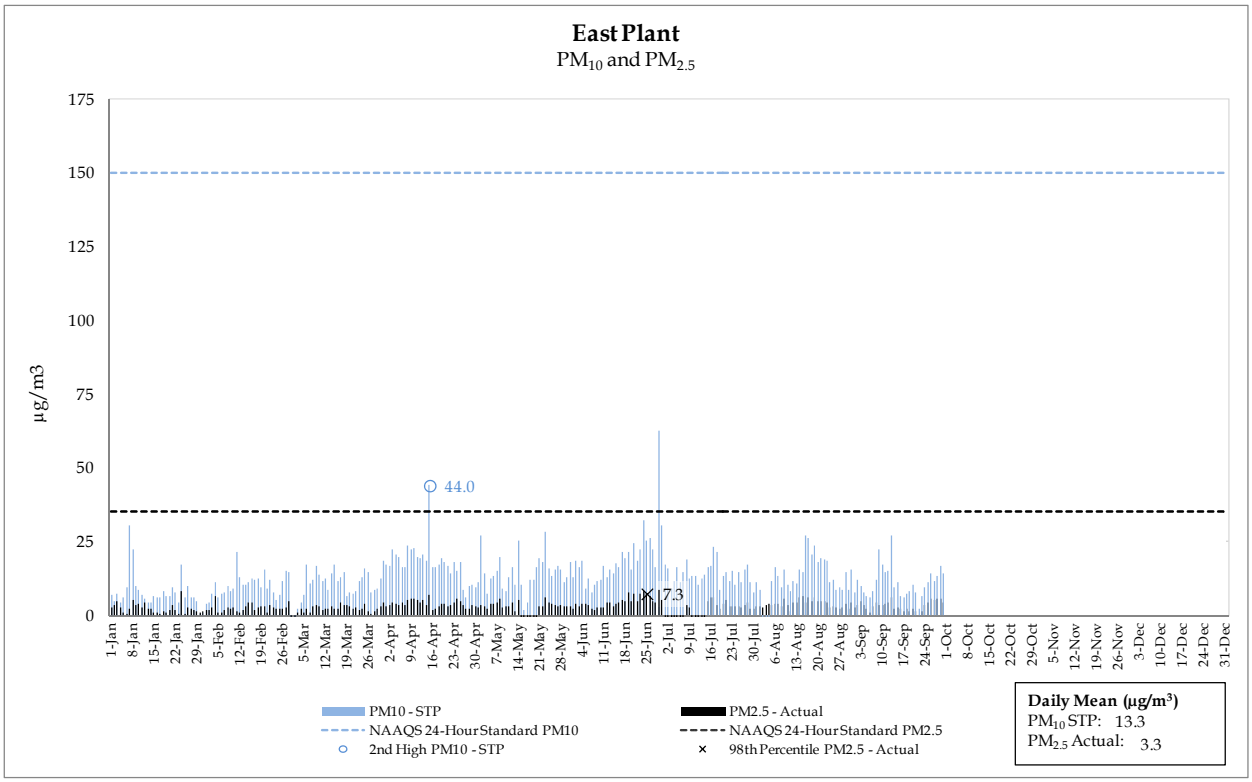


4.0 PM DATA SUMMARY AND DISCUSSION

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.

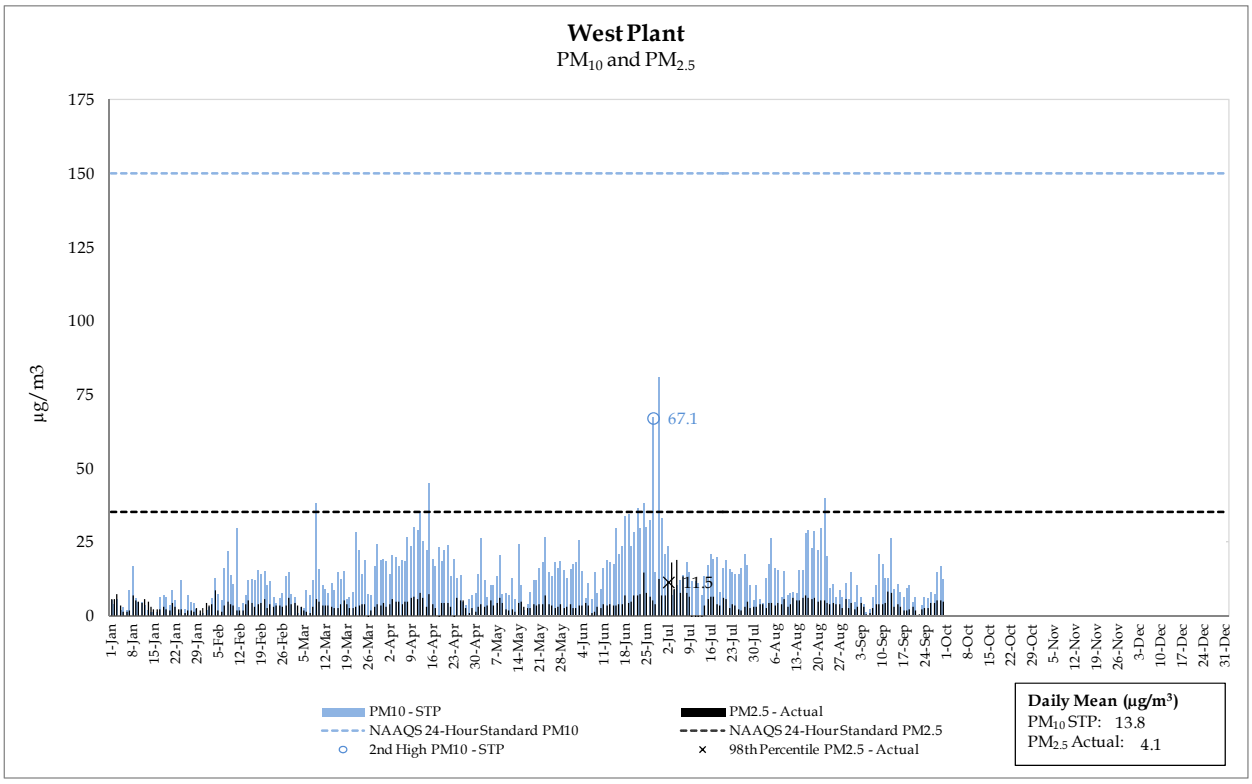
Figure 9. East Plant Particulate Data



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 3.3 and 4.1 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 7.3 and 11.5 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

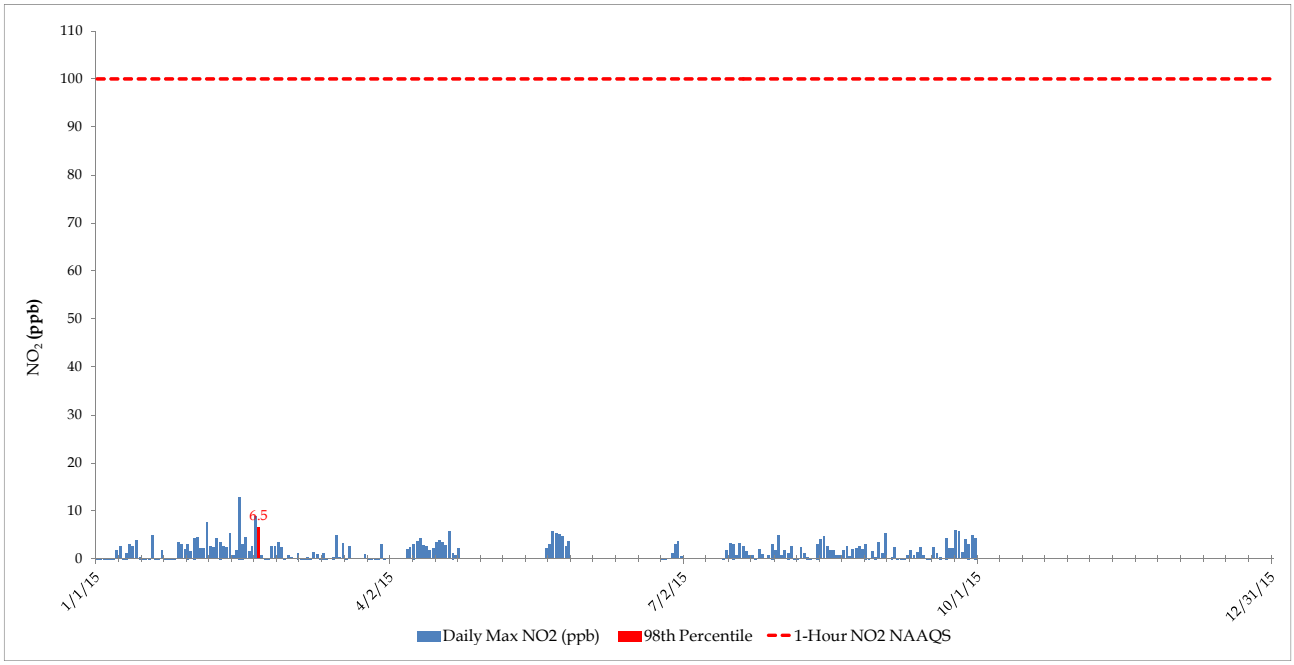
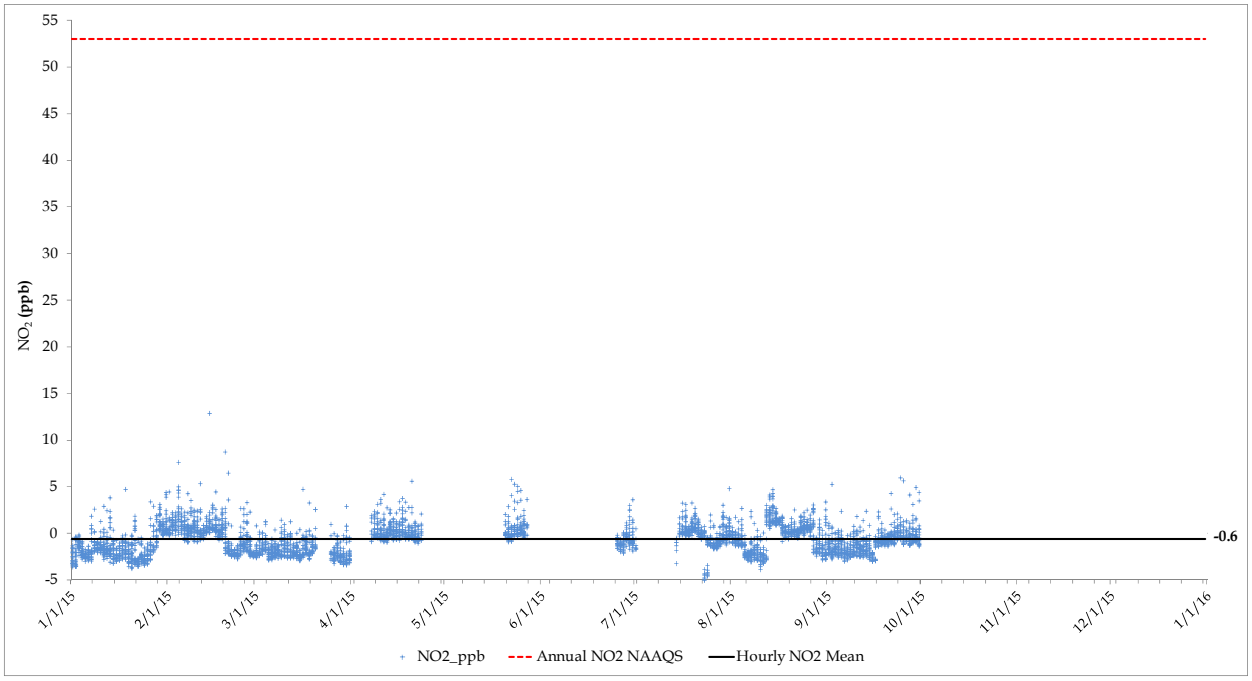


Figure 12. NO_2 Mean Hourly Concentrations



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.

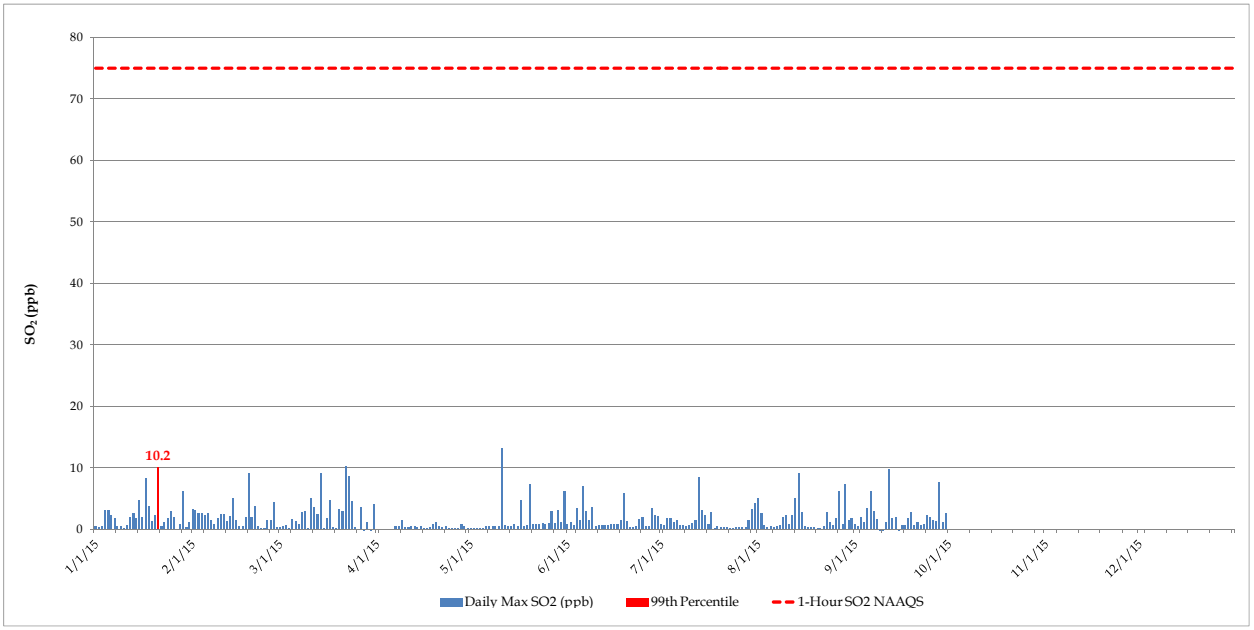
As shown in Figure 11, the 98th percentile of the daily maximum 1-hour average NO_2 concentration for 2015 (YTD) is 6.5 ppb, which is less than the NAAQS 1-hour primary standard of 100. As shown in Figure 12, the 2015 (YTD) hourly NO_2 average is -0.6 ppb, which is below the annual NO_2 NAAQS of 53 ppb. 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.

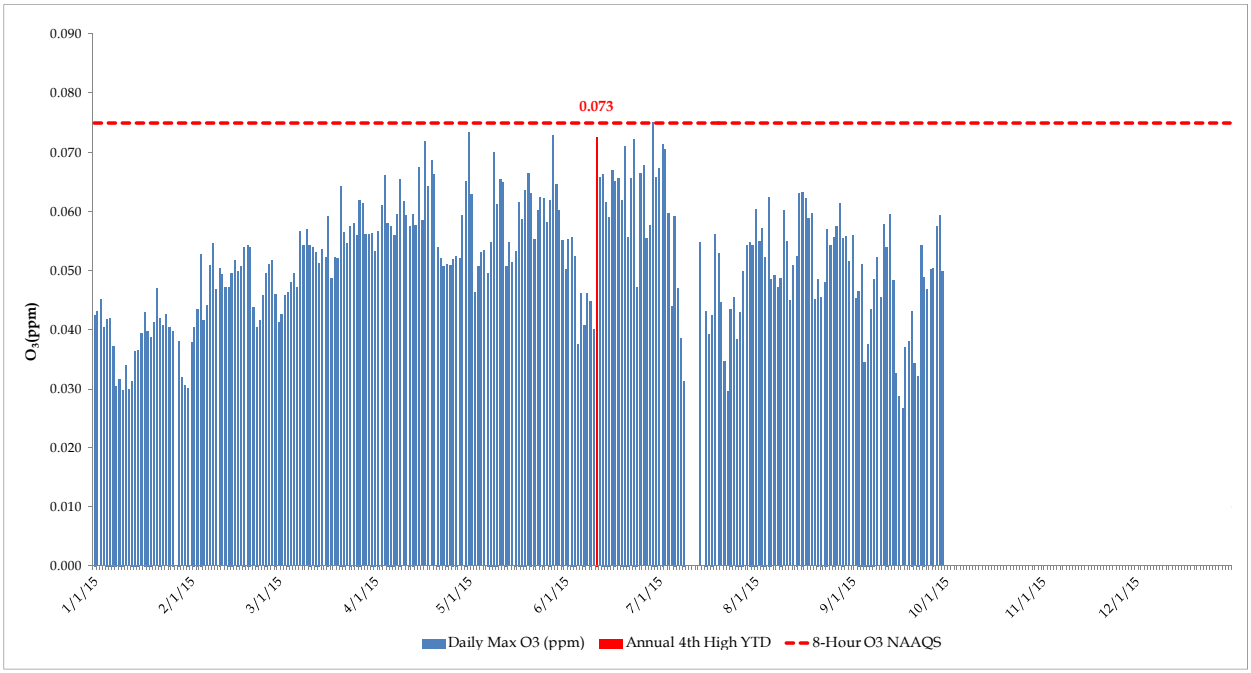
As shown in Figure 13, the 99th percentile 1-hour maximum concentration for 2015 (YTD) is 10.2 ppb, which is below the annual SO_2 NAAQS of 75 ppb.

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: Jul 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	2.8	2.0	0.8	0.4	0.7	1.8	1.9	3.4	4.0	4.0	3.3	3.7	3.5	3.4	3.9	3.3	3.0	2.7	2.4	2.3	2.4	2.4	1.7	2.7	4.0	0.4
2	3.7	3.1	2.9	2.2	3.5	2.1	1.6	2.9	2.8	3.3	3.2	3.1	3.3	3.4	3.9	3.3	3.0	3.0	3.1	3.1	2.8	3.0	2.1	3.1	3.0	3.9	1.6
3	3.5	2.5	2.4	2.1	3.8	2.7	3.1	2.7	1.9	2.1	3.0	3.0	1.4	2.2	2.0	2.7	3.0	2.4	2.5	2.7	3.0	2.2	0.6	2.0	2.5	3.8	0.6
4	4.0	2.7	2.4	2.0	1.9	2.1	1.9	3.6	4.2	3.4	3.6	3.1	3.7	3.2	3.4	2.7	2.3	2.0	2.4	1.6	0.6	2.0	2.4	1.9	2.6	4.2	0.6
5	1.4	0.8	0.9	0.3	1.1	1.2	0.9	1.8	1.6	1.8	1.7	1.6	1.0	1.4	2.3	4.2	1.9	1.4	2.5	2.5	1.8	0.9	0.6	1.1	1.5	4.2	0.3
6	1.3	1.5	1.2	0.7	1.6	0.3	1.2	1.4	1.0	2.1	2.6	3.2	2.9	3.0	3.1	3.5	2.7	2.8	2.5	2.4	2.9	2.2	2.0	1.0	2.0	3.5	0.3
7	1.1	0.6	0.8	0.6	1.0	0.3	0.5	0.9	2.0	2.2	2.6	3.1	2.8	3.2	3.2	3.0	3.1	3.0	3.6	1.9	1.2	0.1	0.9	0.4	1.8	3.6	0.1
8	2.1	2.6	1.9	0.7	0.4	0.5	0.2	1.1	1.7	1.6	2.7	2.9	3.2	4.3	3.5	3.7	3.6	3.9	4.3	3.7	3.5	3.4	3.3	2.7	2.6	4.3	0.2
9	2.9	1.8	2.4	2.4	1.5	2.5	2.2	3.9	5.4	6.0	5.1	4.5	5.6	4.5	5.2	4.6	4.6	3.5	4.4	4.3	4.1	3.2	1.5	1.5	3.6	6.0	1.5
10	2.0	0.8	0.6	0.8	0.3	0.6	0.4	2.6	3.7	4.6	4.5	5.1	4.4	3.5	4.1	3.9	3.3	3.5	3.7	2.5	2.0	3.1	2.5	2.7	2.7	5.1	0.3
11	2.6	0.9	1.4	1.2	1.8	2.3	2.8	3.2	4.2	4.3	4.2	3.3	2.8	2.8	2.4	2.3	2.8	2.7	2.3	1.7	1.0	0.9	2.0	3.9	2.5	4.3	0.9
12	3.1	1.2	0.6	0.9	0.8	1.8	0.8	1.3	1.0	1.9	2.7	2.8	2.8	2.5	3.7	3.1	3.4	3.2	2.7	3.1	3.3	3.4	2.0	2.2	2.3	3.7	0.6
13	3.0	1.8	1.3	2.7	3.2	3.3	3.2	2.8	2.6	2.6	1.7	2.6	2.7	3.1	3.0	2.8	2.4	2.6	3.5	7.4	3.4	2.7	3.8	3.8	3.0	7.4	1.3
14	5.0	3.7	2.3	4.5	4.7	2.5	2.6	3.3	2.1	3.3	2.5	2.3	2.4	3.2	2.3	--	3.1	2.4	3.3	2.2	1.4	1.7	4.0	2.4	2.9	5.0	1.4
15	1.3	1.9	1.5	1.6	1.9	1.5	1.3	2.1	2.6	3.1	2.8	2.1	2.5	2.7	2.7	2.2	2.9	2.5	2.0	1.3	1.0	0.6	1.5	2.5	2.0	3.1	0.6
16	2.1	3.3	1.8	1.3	1.0	1.0	0.4	1.5	2.7	2.8	2.9	2.9	2.5	3.5	3.1	3.5	3.1	2.5	2.4	3.3	2.3	2.5	3.8	3.1	2.5	3.8	0.4
17	1.7	0.6	0.1	0.3	0.3	0.0	0.4	1.5	3.0	4.2	5.1	3.7	1.6	0.6	1.3	2.2	1.7	1.6	1.2	1.4	0.4	0.8	2.4	2.7	1.6	5.1	0.0
18	1.7	0.4	0.3	0.8	2.3	1.8	0.9	0.7	1.3	1.5	2.3	2.7	2.8	3.0	3.9	3.1	3.9	3.3	2.2	2.1	2.5	4.0	3.2	1.3	2.2	4.0	0.3
19	2.1	4.4	5.0	4.0	2.5	1.8	1.7	1.2	1.3	2.9	2.9	3.1	3.0	3.2	3.3	3.2	2.4	2.9	2.3	2.3	2.0	2.8	3.0	2.9	2.8	5.0	1.2
20	2.4	2.5	1.5	0.4	1.0	0.2	1.6	2.5	2.2	2.9	2.9	3.3	2.8	3.4	3.4	2.8	2.8	2.4	2.3	2.6	2.1	1.9	2.0	1.2	2.2	3.4	0.2
21	0.7	0.7	0.4	0.6	0.5	0.6	0.6	1.6	2.1	2.7	2.5	2.7	2.6	2.9	3.2	3.3	3.0	2.7	2.3	1.7	0.6	0.7	0.6	0.6	1.7	3.3	0.4
22	1.0	1.7	0.7	1.2	1.3	1.9	2.2	1.8	2.0	2.5	2.3	2.8	2.5	2.7	2.9	3.4	2.4	2.8	2.1	1.4	2.3	3.3	2.9	3.5	2.2	3.5	0.7
23	4.2	2.8	2.8	1.8	1.5	0.8	0.9	1.0	1.8	2.0	2.4	2.3	2.1	2.1	2.1	2.5	2.2	2.5	2.1	2.7	2.8	3.4	2.5	2.3	2.2	4.2	0.8
24	0.4	1.4	1.2	1.5	1.4	1.4	1.0	1.5	2.4	2.8	3.4	4.3	3.4	3.7	3.1	3.5	3.7	2.9	2.6	2.8	3.3	3.1	2.6	2.9	2.5	4.3	0.4
25	3.1	2.8	4.1	3.4	2.8	2.8	1.0	1.2	1.7	1.3	2.5	3.3	2.9	3.6	2.7	2.6	2.9	3.1	2.4	1.8	2.2	2.1	1.8	1.8	2.5	4.1	1.0
26	2.1	1.9	1.3	0.3	0.3	0.7	0.2	0.6	2.1	2.4	2.5	3.1	2.4	3.2	3.1	3.0	3.2	2.4	2.4	2.0	1.6	1.0	1.2	1.8	1.9	3.2	0.2
27	2.0	1.3	0.9	1.2	1.0	0.4	0.9	1.3	1.9	2.2	2.3	2.3	3.0	2.8	2.8	2.9	3.2	3.0	2.8	2.5	1.5	1.7	1.3	1.6	2.0	3.2	0.4
28	1.8	2.1	2.2	1.2	1.8	1.6	0.8	1.0	1.3	2.6	2.8	2.8	3.3	3.3	3.1	3.9	3.1	2.9	2.6	2.4	4.3	1.8	1.9	1.9	2.3	4.3	0.8
29	2.7	1.2	1.6	1.1	0.5	0.5	1.0	1.3	1.3	3.1	2.8	3.0	3.2	3.2	3.2	2.7	2.3	6.4	7.6	1.9	6.8	5.7	5.8	3.7	3.0	7.6	0.5
30	3.6	3.2	3.3	3.0	3.1	3.0	2.8	3.8	5.0	3.9	3.7	3.1	3.0	2.6	2.0	2.2	1.8	1.8	1.3	0.7	1.0	1.2	0.8	0.6	2.5	5.0	0.6
31	0.6	0.7	0.9	1.2	1.1	1.2	1.5	3.5	5.4	4.7	3.4	2.7	2.2	4.0	3.1	4.4	2.1	2.2	3.0	4.4	2.1	1.0	3.6	3.9	2.6	5.4	0.6
Avg	2.4	1.9	1.7	1.5	1.6	1.4	1.4	2.0	2.5	2.9	3.0	3.0	2.9	3.0	3.1	3.2	2.9	2.8	2.8	2.5	2.3	2.2	2.3	2.2	2.4	--	--
Max	5.0	4.4	5.0	4.5	4.7	3.3	3.2	3.9	5.4	6.0	5.1	5.1	5.6	4.5	5.2	4.6	4.6	6.4	7.6	7.4	6.8	5.7	5.8	3.9	--	7.6	--
Min	0.4	0.4	0.1	0.3	0.3	0.0	0.2	0.6	1.0	1.3	1.7	1.6	1.0	0.6	1.3	2.2	1.7	1.4	1.2	0.7	0.4	0.1	0.6	0.4	--	--	0.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Aug 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	3.7	3.2	5.7	6.8	3.2	2.4	1.8	3.6	3.9	2.7	3.3	3.6	2.6	2.7	2.0	2.8	2.6	2.8	2.3	2.0	2.1	0.5	1.4	3.0	2.9	6.8	0.5
2	4.6	2.9	2.3	2.7	2.9	2.4	2.0	2.3	2.5	2.8	1.8	2.3	2.0	3.2	3.0	3.1	3.2	2.6	3.6	2.4	0.7	0.2	0.4	0.6	2.4	4.6	0.2
3	0.5	0.9	1.8	1.8	0.4	0.3	0.1	0.5	2.0	2.1	2.4	2.6	2.6	3.3	3.0	3.1	2.5	2.7	2.2	1.9	1.9	2.1	2.1	1.1	1.8	3.3	0.1
4	2.5	2.9	2.3	1.4	0.5	0.6	0.4	0.3	2.3	2.9	2.7	2.7	3.1	3.7	3.6	3.1	2.6	2.6	2.7	3.4	2.1	1.6	1.2	2.3	2.2	3.7	0.3
5	2.7	2.5	1.6	0.8	0.3	0.4	0.9	1.5	2.1	2.6	2.7	2.7	3.3	3.1	2.7	3.5	3.5	3.3	2.5	2.1	1.2	1.8	2.4	2.9	2.2	3.5	0.3
6	1.7	2.3	2.9	1.7	1.0	1.8	1.8	1.7	1.4	2.5	2.4	2.7	2.1	3.2	2.2	1.7	1.2	1.0	1.0	1.1	2.4	1.3	1.0	1.6	1.8	3.2	1.0
7	2.1	2.2	3.5	3.0	1.9	1.6	2.3	1.8	1.6	1.9	1.9	2.3	2.7	4.1	5.9	3.3	2.0	2.2	1.3	1.1	1.6	1.6	2.2	1.5	2.3	5.9	1.1
8	2.4	2.6	2.3	3.0	2.8	2.7	2.3	1.7	1.2	1.7	2.1	2.3	2.1	2.8	2.4	2.4	2.5	2.0	1.8	1.3	0.8	0.6	0.2	0.2	1.9	3.0	0.2
9	0.4	0.3	0.7	0.5	1.2	1.2	1.1	2.1	2.0	2.6	2.5	2.6	2.5	2.6	3.1	2.9	2.8	2.8	2.3	2.1	4.3	3.4	1.9	4.9	2.2	4.9	0.3
10	7.2	6.3	3.0	3.1	3.1	2.8	1.8	2.0	1.2	1.9	2.5	3.1	1.4	1.8	2.5	1.4	1.5	1.7	2.3	3.7	1.6	0.9	1.0	1.2	2.5	7.2	0.9
11	1.6	1.7	1.9	1.0	0.9	1.4	2.0	3.6	8.1	6.1	2.9	3.5	3.4	4.8	4.2	1.5	1.1	2.5	2.3	3.6	4.5	2.0	4.8	9.5	3.3	9.5	0.9
12	9.3	7.8	7.7	6.7	5.8	4.1	4.9	6.1	5.8	5.7	6.0	5.8	4.8	4.2	3.6	2.4	2.9	2.8	3.9	0.9	0.7	0.6	1.1	1.3	4.4	9.3	0.6
13	1.7	2.3	2.0	2.5	2.7	2.6	2.4	2.5	4.7	4.9	4.3	4.4	3.6	4.3	3.2	3.7	3.5	2.6	2.2	1.8	0.8	0.3	0.3	0.8	2.7	4.9	0.3
14	0.3	0.4	1.2	1.1	1.6	1.0	1.6	2.6	2.5	2.1	2.0	3.3	2.8	3.1	2.8	2.7	4.3	2.4	0.4	4.4	3.0	1.1	1.0	1.6	2.1	4.4	0.3
15	1.7	1.3	1.3	1.1	1.8	2.2	2.4	3.0	3.1	2.6	2.9	2.5	2.7	2.9	2.7	3.5	2.8	2.5	2.4	2.6	2.3	1.5	1.2	1.4	2.3	3.5	1.1
16	1.3	0.9	0.7	3.0	2.9	2.3	3.0	2.0	1.6	1.7	2.8	3.3	3.4	3.8	3.5	3.3	3.3	3.2	2.8	3.1	2.5	2.5	1.8	2.7	2.6	3.8	0.7
17	3.6	2.7	2.9	2.5	2.1	2.5	2.3	1.6	2.5	2.6	2.9	3.4	3.1	2.5	3.1	3.1	3.1	3.6	3.8	3.4	3.6	3.6	2.8	2.1	2.9	3.8	1.6
18	3.2	3.1	2.0	2.3	2.8	2.2	0.9	1.3	1.8	1.9	2.5	2.8	2.8	2.8	3.2	3.1	4.1	3.6	3.1	2.9	2.7	3.3	2.3	2.0	2.6	4.1	0.9
19	2.0	1.2	1.2	1.6	1.6	1.4	1.2	1.5	2.5	2.3	2.1	2.8	2.9	2.8	3.2	3.0	3.1	2.9	2.5	2.4	2.9	4.1	3.8	3.4	2.4	4.1	1.2
20	2.6	2.1	0.8	0.7	0.9	1.5	1.9	1.7	1.8	2.2	2.2	2.3	3.0	3.2	2.7	3.5	2.7	2.7	2.0	3.3	2.1	0.7	0.4	0.5	2.0	3.5	0.4
21	0.5	0.9	2.4	1.2	1.8	1.2	1.0	1.2	1.9	2.1	2.7	2.7	2.8	2.1	2.6	2.9	2.6	2.3	2.1	1.5	1.8	0.6	0.2	1.1	1.8	2.9	0.2
22	1.8	1.8	2.1	3.4	1.7	3.2	2.0	1.8	2.6	2.4	2.2	3.1	3.0	3.0	2.8	3.2	3.2	2.2	1.9	1.6	2.8	2.2	0.9	0.5	2.3	3.4	0.5
23	1.5	1.0	1.5	1.4	0.9	0.6	0.4	2.3	2.1	2.6	2.9	2.9	2.6	3.0	2.9	3.1	4.8	7.5	5.0	3.9	1.9	1.8	2.8	1.2	2.5	7.5	0.4
24	0.9	2.2	3.3	3.1	4.2	5.1	3.9	4.1	4.3	3.9	2.1	1.7	2.6	2.3	2.7	2.1	1.5	1.9	1.8	2.4	2.0	1.8	4.6	5.4	2.9	5.4	0.9
25	4.0	1.2	3.7	4.4	4.6	5.5	3.1	2.9	4.2	5.2	3.9	3.3	3.7	2.4	1.8	2.9	5.1	0.7	2.7	2.9	4.5	7.2	4.5	5.4	3.8	7.2	0.7
26	5.2	4.6	3.8	3.3	3.1	2.9	2.7	3.8	4.5	4.1	3.1	2.4	1.7	1.6	2.7	2.6	2.2	2.2	2.4	4.3	3.9	1.6	1.1	0.6	2.9	5.2	0.6
27	1.1	2.1	1.9	1.1	1.3	1.9	2.0	1.7	2.7	3.1	2.1	3.4	2.3	3.9	4.0	8.4	6.3	4.7	3.2	2.5	2.6	2.2	2.4	1.9	2.9	8.4	1.1
28	0.8	1.4	1.8	2.1	2.0	2.1	1.6	1.1	0.5	2.6	2.8	2.6	1.8	2.3	3.2	3.6	2.7	2.0	2.0	2.4	2.1	1.6	1.5	0.6	2.0	3.6	0.5
29	0.4	0.3	0.6	0.5	0.8	1.3	1.4	1.8	3.2	2.7	2.4	1.3	2.1	2.3	3.0	1.1	1.2	1.7	1.7	2.5	2.0	1.8	1.2	1.6	1.6	3.2	0.3
30	2.1	2.5	2.2	2.4	2.1	2.6	2.9	2.9	3.3	3.3	2.8	2.1	1.9	2.9	2.4	3.1	2.6	1.9	2.9	2.7	4.5	2.9	2.1	1.1	2.6	4.5	1.1
31	0.7	1.0	0.6	0.7	0.5	0.7	1.4	1.9	2.4	2.0	1.7	2.4	2.6	2.5	3.0	2.4	2.5	1.9	2.9	7.7	9.9	7.2	3.3	4.2	2.8	9.9	0.5
Avg	2.4	2.2	2.3	2.3	2.1	2.1	1.9	2.2	2.8	2.9	2.7	2.9	2.7	3.0	3.0	3.0	2.9	2.6	2.4	2.7	2.6	2.1	1.9	2.2	2.5	--	--
Max	9.3	7.8	7.7	6.8	5.8	5.5	4.9	6.1	8.1	6.1	6.0	5.8	4.8	4.8	5.9	8.4	6.3	7.5	5.0	7.7	9.9	7.2	4.8	9.5	--	9.9	--
Min	0.3	0.3	0.6	0.5	0.3	0.3	0.1	0.3	0.5	1.7	1.7	1.3	1.4	1.6	1.8	1.1	1.1	0.7	0.4	0.9	0.7	0.2	0.2	0.2	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Sep 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	4.3	4.5	3.2	4.0	2.9	2.5	2.7	3.3	3.5	1.8	3.1	2.4	1.7	2.2	2.3	1.9	1.8	1.9	1.9	2.2	1.4	0.7	0.8	3.1	2.5	4.5	0.7
2	2.6	1.1	0.6	0.5	0.4	0.4	0.7	0.2	0.8	1.7	1.5	2.7	2.5	3.0	3.0	2.8	1.7	1.4	0.9	0.4	0.6	1.5	1.8	2.0	1.5	3.0	0.2
3	2.3	2.3	2.4	1.8	1.7	1.8	1.4	1.2	1.5	1.7	2.2	2.5	1.9	3.7	2.5	2.1	2.0	4.9	4.8	3.1	1.2	1.7	2.0	1.7	2.3	4.9	1.2
4	0.8	0.4	0.8	0.8	0.7	0.9	0.4	0.6	0.8	1.9	1.6	2.0	1.9	2.3	3.5	2.6	4.3	3.5	1.9	1.3	0.7	1.2	0.9	1.8	1.6	4.3	0.4
5	1.0	1.4	2.7	2.2	1.8	1.9	2.2	2.0	1.9	3.5	2.8	3.9	3.5	3.8	3.2	3.7	3.1	2.3	1.8	1.4	1.3	1.2	1.0	0.9	2.3	3.9	0.9
6	0.8	1.2	1.1	1.5	1.7	1.9	2.0	2.9	3.6	3.5	1.3	2.2	2.2	2.1	2.3	2.2	1.9	1.4	2.4	3.1	2.4	1.5	0.5	0.7	1.9	3.6	0.5
7	0.8	0.9	1.0	1.0	1.1	1.3	1.6	1.2	1.3	1.6	2.6	3.7	2.7	2.9	2.4	2.6	2.6	1.8	2.9	5.0	5.9	4.8	5.7	2.3	2.5	5.9	0.8
8	2.0	2.3	2.1	2.1	1.7	1.4	1.3	1.4	1.3	2.7	2.6	2.1	2.0	2.1	2.5	2.6	2.7	2.0	2.1	1.6	1.8	2.0	1.2	1.4	1.9	2.7	1.2
9	1.8	1.5	1.7	1.4	0.8	0.8	0.9	1.1	0.3	1.6	4.3	3.3	3.5	3.5	2.8	3.1	2.9	2.8	2.4	2.2	2.5	2.4	2.4	1.9	2.2	4.3	0.3
10	1.6	1.0	1.4	2.3	1.0	1.3	0.6	1.2	1.8	2.3	2.7	1.4	1.8	2.2	2.2	3.7	4.1	4.3	3.2	2.2	0.6	0.5	0.4	0.3	1.8	4.3	0.3
11	0.8	0.9	0.8	0.6	0.8	1.0	1.3	1.2	1.9	3.1	3.6	3.4	3.0	3.4	3.3	3.2	3.5	2.5	2.6	1.9	1.8	1.4	0.8	1.0	2.0	3.6	0.6
12	0.4	0.5	0.8	1.1	1.2	1.4	1.5	2.5	4.2	1.9	2.6	3.5	2.6	2.2	2.4	4.4	2.5	2.7	0.9	1.2	2.0	2.6	1.4	1.8	2.0	4.4	0.4
13	0.6	1.0	1.3	1.1	0.4	0.9	1.5	2.5	4.3	2.5	3.1	2.7	2.3	2.9	2.9	3.2	2.1	2.1	3.4	4.8	4.7	2.3	1.6	1.4	2.3	4.8	0.4
14	2.9	1.6	1.7	1.3	1.5	1.1	0.9	1.1	1.4	1.2	2.4	2.6	2.7	2.7	2.4	2.5	2.3	2.2	2.1	0.8	3.2	3.5	2.2	2.3	2.0	3.5	0.8
15	2.4	2.1	3.4	2.9	3.6	4.0	3.0	3.0	3.9	3.5	2.8	2.9	3.5	3.9	2.9	2.6	3.0	4.7	3.6	3.3	4.0	3.1	2.5	2.1	3.2	4.7	2.1
16	3.0	3.5	3.5	2.5	2.8	2.4	1.2	2.3	3.2	3.3	3.0	3.2	2.7	3.4	3.8	3.7	3.7	2.5	2.7	3.3	3.2	4.2	1.4	0.7	2.9	4.2	0.7
17	1.3	1.0	0.7	0.3	0.2	0.6	0.3	0.5	1.0	2.0	3.1	2.9	2.7	3.2	3.5	2.6	2.3	2.5	1.6	1.5	0.8	0.8	0.7	0.6	1.5	3.5	0.2
18	0.6	0.5	0.5	0.3	0.5	0.6	1.2	1.7	3.4	3.2	2.0	2.9	2.5	2.8	3.0	2.7	2.4	1.3	1.8	1.9	1.0	0.5	0.9	0.5	1.6	3.4	0.3
19	0.9	0.9	1.7	1.2	1.2	1.2	1.1	0.7	1.5	2.1	2.3	2.8	2.7	2.4	3.0	2.8	5.7	5.4	4.9	4.6	4.2	5.6	3.8	3.8	2.8	5.7	0.7
20	3.3	3.0	3.0	3.1	3.5	4.3	3.3	4.4	4.3	3.7	4.2	4.5	2.9	3.4	2.5	1.6	1.7	2.5	1.4	1.5	0.7	0.4	0.5	2.0	2.7	4.5	0.4
21	1.9	1.3	0.6	0.3	0.3	0.5	0.6	1.2	4.0	4.8	4.5	5.9	7.8	8.7	8.5	11.7	13.1	10.2	8.8	5.2	2.9	2.5	2.5	1.4	4.5	13.1	0.3
22	3.4	3.7	3.7	4.1	3.1	0.7	0.8	0.7	0.7	1.3	1.0	1.2	1.5	2.2	2.8	2.8	2.4	2.5	1.3	0.8	1.1	3.0	1.5	1.2	2.0	4.1	0.7
23	0.9	1.1	0.9	1.1	1.3	1.5	1.4	1.9	3.0	2.8	1.5	1.6	1.4	2.1	2.3	2.5	2.9	2.3	2.1	2.7	1.3	0.8	0.1	0.3	1.7	3.0	0.1
24	0.6	0.9	1.4	2.0	2.6	2.0	1.9	3.0	3.3	4.5	5.2	5.2	3.3	3.6	2.8	2.6	4.3	3.0	1.3	1.1	0.6	0.6	0.8	1.0	2.4	5.2	0.6
25	1.8	1.7	2.6	2.8	2.8	3.4	4.8	6.4	7.3	8.2	7.8	7.3	7.5	7.6	7.7	8.0	6.6	6.8	5.3	5.7	4.6	3.8	3.2	1.1	5.2	8.2	1.1
26	1.1	2.3	2.8	2.6	1.9	3.3	2.6	3.4	5.4	6.0	6.5	6.0	4.8	4.1	3.3	2.6	2.9	2.8	2.0	1.2	0.8	0.9	1.0	1.1	3.0	6.5	0.8
27	1.0	1.3	1.4	1.5	1.5	1.6	1.6	1.9	2.6	3.2	2.5	1.8	2.2	2.5	1.9	2.4	2.1	2.1	1.1	1.3	0.9	0.1	0.5	0.6	1.7	3.2	0.1
28	0.7	0.8	1.2	0.9	0.3	0.3	0.6	0.5	0.7	2.5	3.1	3.1	2.4	3.4	2.7	2.2	1.9	1.9	2.3	1.6	1.4	1.2	0.9	1.1	1.6	3.4	0.3
29	1.6	1.4	1.1	1.1	0.2	0.2	0.1	0.3	1.5	2.7	3.5	3.3	3.4	2.8	2.7	2.5	2.4	2.3	1.9	1.5	2.0	1.3	0.6	0.2	1.7	3.5	0.1
30	0.1	0.5	0.4	0.5	1.3	1.6	1.1	1.1	1.3	1.8	2.6	3.5	3.7	3.9	2.2	2.8	2.1	2.4	1.5	0.8	0.9	1.0	1.0	2.0	1.7	3.9	0.1
Avg	1.6	1.6	1.7	1.6	1.5	1.6	1.5	1.9	2.5	2.9	3.1	3.2	3.0	3.3	3.1	3.2	3.2	3.0	2.6	2.3	2.0	1.9	1.5	1.4	2.3	--	--
Max	4.3	4.5	3.7	4.1	3.6	4.3	4.8	6.4	7.3	8.2	7.8	7.3	7.8	8.7	8.5	11.7	13.1	10.2	8.8	5.7	5.9	5.6	5.7	3.8	--	13.1	--
Min	0.1	0.4	0.4	0.3	0.2	0.2	0.1	0.2	0.3	1.2	1.0	1.2	1.4	2.1	1.9	1.6	1.7	1.3	0.9	0.4	0.6	0.1	0.1	0.2	--	--	0.1

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Jul 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	226	220	230	234	62	307	264	311	273	270	260	264	267	250	249	270	250	215	223	250	249	276	296	272	258	311	62
2	276	268	269	278	271	281	271	271	255	262	261	254	257	253	261	241	243	236	300	265	282	284	295	291	268	300	236
3	235	286	230	277	123	92	90	84	93	85	85	76	241	250	250	259	271	251	279	271	266	271	59	81	243	286	59
4	57	97	118	133	131	111	88	96	113	148	200	224	218	241	205	249	213	243	224	239	286	69	60	79	157	286	57
5	153	163	193	161	151	124	117	178	206	225	261	251	88	297	250	236	238	199	116	83	91	151	110	192	174	297	83
6	187	269	271	286	274	357	258	256	340	267	267	276	286	260	256	241	256	226	272	220	212	258	263	276	263	357	187
7	279	185	309	360	267	356	126	24	270	247	269	242	283	250	277	259	266	298	291	304	310	81	195	197	275	360	24
8	207	259	267	327	35	147	55	134	257	242	180	227	201	222	201	230	185	204	212	191	209	217	222	221	214	327	35
9	235	228	231	228	253	227	222	196	205	205	191	213	208	216	204	207	209	188	196	208	209	219	158	200	211	253	158
10	254	271	118	191	189	156	128	204	201	211	208	207	207	208	225	232	194	200	202	185	208	198	241	247	205	271	118
11	246	18	77	83	77	66	61	101	114	126	152	190	190	274	201	309	296	323	242	244	292	265	255	254	226	323	18
12	261	280	263	284	303	292	22	288	278	271	279	283	296	266	308	297	234	256	180	103	87	89	84	82	283	308	22
13	100	111	100	112	91	74	60	72	105	141	258	257	230	256	267	246	234	190	92	46	51	82	79	92	109	267	46
14	105	81	95	66	55	72	68	61	67	107	144	153	235	221	319	--	142	193	209	160	83	174	22	95	109	319	22
15	132	111	135	127	129	127	99	100	91	155	202	248	299	255	250	298	280	271	223	232	298	137	141	105	172	299	91
16	128	108	75	92	127	134	89	268	280	266	259	249	261	238	285	239	249	223	341	41	137	165	217	237	215	341	41
17	248	181	103	86	142	100	184	251	207	145	105	101	96	350	318	255	298	287	187	104	78	44	270	268	160	350	44
18	238	92	101	111	276	271	239	261	279	268	264	264	261	292	213	236	209	251	220	210	225	270	284	308	250	308	92
19	65	53	45	58	121	104	88	92	192	275	259	266	280	266	261	266	213	273	250	235	275	272	271	266	259	280	45
20	273	276	280	15	277	43	279	268	273	256	240	247	257	257	258	258	306	221	260	266	290	277	264	297	272	306	15
21	301	330	96	73	31	179	160	269	280	278	258	232	225	222	283	299	243	261	310	188	77	315	127	200	255	330	31
22	285	219	168	243	236	236	235	248	271	250	261	267	255	294	265	287	104	238	206	123	214	209	188	212	236	294	104
23	223	221	226	218	192	230	141	189	256	288	321	263	263	250	247	230	240	231	205	197	179	223	304	278	234	321	141
24	292	278	250	258	254	239	227	256	264	260	268	264	270	252	271	237	260	260	248	257	268	275	269	291	261	292	227
25	300	287	277	269	270	265	195	116	114	315	249	240	252	245	239	224	252	261	265	287	287	280	277	275	261	315	114
26	278	276	284	199	163	217	196	53	260	257	274	280	251	248	252	248	233	286	318	290	224	199	184	310	251	318	53
27	261	12	189	257	136	231	258	300	256	278	281	288	265	242	273	276	277	278	300	286	301	330	351	339	280	351	12
28	319	272	281	259	274	266	223	246	267	256	261	253	259	242	251	230	257	249	248	229	219	251	279	300	258	319	219
29	272	137	314	135	137	184	181	101	244	256	273	255	262	267	261	269	246	63	108	112	60	85	72	80	191	314	60
30	73	64	65	73	66	63	81	68	55	83	119	131	135	120	131	139	261	239	314	221	265	272	205	177	109	314	55
31	164	188	171	169	136	91	98	62	52	89	122	140	139	69	15	241	21	104	71	265	353	112	115	99	108	353	15
Avg	243	234	203	185	161	157	148	194	245	239	240	242	245	252	255	252	245	241	241	226	253	234	237	249	238	--	--
Max	319	330	314	360	303	357	279	311	340	315	321	288	299	350	319	309	306	323	341	304	353	330	351	339	--	360	--
Min	57	12	45	15	31	43	22	24	52	83	85	76	88	69	15	139	21	63	71	41	51	44	22	79	--	--	12

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Aug 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	85	99	61	48	96	128	128	68	54	113	146	135	186	223	321	226	245	230	182	200	135	45	82	67	120	321	45
2	50	66	74	69	59	83	95	83	104	102	186	227	294	252	256	241	234	255	296	291	295	252	158	189	191	296	50
3	168	182	231	209	131	194	166	107	235	229	237	226	240	237	248	249	247	203	210	261	289	311	320	127	221	320	107
4	325	308	286	246	181	259	27	111	259	246	263	251	247	265	262	253	295	261	278	294	323	330	2	335	281	335	2
5	328	321	293	277	132	180	250	296	241	263	257	242	241	247	255	275	292	272	247	287	283	277	300	303	270	328	132
6	290	253	244	240	242	243	210	206	206	192	236	219	227	248	250	252	143	99	145	222	220	229	192	173	220	290	99
7	187	193	229	228	222	213	212	216	262	268	250	238	184	216	115	80	109	81	87	79	202	260	111	137	192	268	79
8	113	97	121	104	98	83	119	118	125	226	244	266	226	227	258	221	288	196	342	316	343	2	71	93	146	343	2
9	176	169	129	142	102	96	141	95	132	281	265	266	250	261	228	240	246	258	211	182	211	224	211	88	197	281	88
10	51	53	75	86	104	126	99	113	97	77	56	40	34	148	167	94	141	48	176	191	171	83	124	107	101	191	34
11	124	116	103	106	116	144	83	87	120	132	103	92	69	50	67	178	325	273	267	263	107	77	73	48	99	325	48
12	47	51	51	55	57	69	88	62	60	49	43	44	48	48	52	130	159	185	184	229	294	147	169	100	78	294	43
13	104	116	129	117	114	126	136	103	57	49	78	139	140	160	124	139	181	177	166	184	91	113	136	200	129	200	49
14	188	131	72	106	214	95	104	83	76	101	101	139	149	148	161	192	46	317	312	46	52	282	95	103	109	317	46
15	105	137	146	160	152	148	101	91	67	98	261	251	256	257	238	231	249	262	269	284	320	88	155	186	189	320	67
16	169	141	101	237	235	195	225	224	244	258	252	239	255	249	247	258	264	268	274	265	285	298	294	273	247	298	101
17	273	261	259	246	221	219	214	207	283	263	261	240	261	255	271	230	239	277	259	273	283	288	267	281	256	288	207
18	255	233	246	253	245	249	185	230	265	257	251	234	253	237	242	261	261	270	259	263	257	285	286	205	250	286	185
19	193	213	258	236	257	234	239	261	271	268	257	260	274	240	241	263	226	252	248	287	283	292	296	298	256	298	193
20	273	271	296	110	234	266	233	246	251	245	269	276	258	251	254	241	255	243	130	169	226	254	23	184	246	296	23
21	188	157	198	212	237	223	209	217	250	246	252	231	240	258	253	232	243	177	184	44	295	298	72	277	230	298	44
22	279	248	143	221	214	226	170	237	230	250	245	268	248	270	298	229	248	157	183	299	169	113	117	57	224	299	57
23	263	190	273	286	290	183	161	268	271	278	273	277	252	248	232	256	332	35	50	109	97	119	268	160	251	332	35
24	149	104	101	77	56	51	61	54	57	46	124	148	356	113	147	148	305	42	272	307	65	83	100	91	81	356	42
25	91	83	119	67	67	55	70	74	55	51	66	120	129	150	34	139	270	114	225	127	63	47	61	58	84	270	34
26	60	69	72	80	74	67	65	60	49	50	76	131	205	331	274	267	230	234	187	111	88	89	92	128	87	331	49
27	128	110	129	138	146	124	115	93	67	74	156	194	189	72	76	35	49	73	122	94	109	109	93	98	107	194	35
28	113	152	150	175	162	175	152	148	84	53	64	42	99	273	248	235	234	227	252	280	271	280	270	305	199	305	42
29	105	158	181	167	155	148	125	94	64	114	129	154	210	258	80	105	204	82	192	306	149	115	112	108	137	306	64
30	116	100	88	82	88	85	91	76	51	115	125	156	154	213	241	254	220	264	225	214	203	222	211	126	151	264	51
31	184	102	91	63	173	117	101	101	113	165	233	242	269	237	249	259	270	224	156	46	37	74	78	84	142	270	37
Avg	143	139	136	148	153	153	137	119	101	181	218	215	228	236	241	225	247	232	219	256	252	316	109	121	191	--	--
Max	328	321	296	286	290	266	250	296	283	281	273	277	356	331	321	275	332	317	342	316	343	330	320	335	--	356	--
Min	47	51	51	48	56	51	27	54	49	46	43	40	34	48	34	35	46	35	50	44	37	2	2	48	--	--	2

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, WD_10m"
Month: Sep 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	68	74	99	85	90	98	114	89	73	90	144	141	122	150	267	262	291	254	253	272	299	170	114	157	124	299	68
2	111	259	59	232	235	307	204	115	220	258	265	271	261	234	229	205	203	229	223	166	126	113	89	76	211	307	59
3	72	59	91	79	79	76	93	112	88	128	252	275	245	198	230	225	220	217	237	205	108	92	114	106	137	275	59
4	103	111	109	112	81	171	90	92	92	238	3	145	185	144	198	216	171	122	120	129	40	132	82	99	123	238	3
5	79	86	59	73	87	79	78	93	115	137	128	103	100	123	131	135	136	138	150	119	101	78	82	138	106	150	59
6	153	103	125	111	101	86	82	75	77	53	8	282	292	281	260	234	247	269	278	271	270	260	262	290	268	292	8
7	131	200	191	153	161	172	161	124	71	323	268	268	263	232	259	261	229	289	27	39	42	48	40	115	191	323	27
8	128	143	131	132	137	149	168	132	130	85	112	134	170	262	295	255	248	259	228	246	302	269	269	238	188	302	85
9	261	287	278	265	256	83	87	131	63	280	273	262	261	260	257	266	264	267	265	266	273	265	268	267	266	287	63
10	268	20	243	275	291	278	174	298	280	276	270	272	242	248	243	278	275	277	275	259	159	83	96	186	262	298	20
11	170	170	209	240	207	110	163	135	342	268	267	254	253	246	256	248	255	241	251	258	278	271	278	303	242	342	110
12	221	187	151	143	98	98	86	69	50	98	122	158	184	172	179	37	101	257	319	146	196	274	269	270	150	319	37
13	318	175	162	141	67	127	156	97	78	41	263	273	250	263	294	240	284	286	144	93	71	56	152	204	167	318	41
14	290	277	117	172	133	145	142	108	92	108	245	220	252	238	213	268	279	207	135	114	185	224	223	222	194	290	92
15	233	218	218	223	222	225	223	204	205	211	201	182	216	211	168	188	227	212	216	199	208	218	219	222	211	233	168
16	213	207	207	209	199	193	187	183	189	197	227	222	200	204	228	202	194	164	190	219	211	212	192	69	200	228	69
17	227	257	245	88	67	248	159	93	73	200	226	231	216	233	263	317	201	208	214	26	117	179	195	189	205	317	26
18	174	164	162	164	193	163	174	117	61	38	159	210	236	242	300	263	275	133	242	283	337	314	199	202	203	337	38
19	192	190	175	152	162	153	173	172	274	275	261	248	261	259	252	270	151	159	143	120	110	107	68	62	183	275	62
20	85	98	86	80	66	52	67	58	75	84	40	33	66	37	84	4	36	268	261	291	166	170	175	176	73	291	4
21	265	246	327	337	108	171	129	98	101	124	106	79	63	62	61	55	54	53	53	62	87	116	93	111	83	337	53
22	205	215	228	225	240	233	94	101	348	277	11	329	266	240	185	185	190	201	222	124	178	260	93	124	210	348	11
23	175	168	180	180	157	161	166	114	70	65	116	69	119	222	264	247	250	249	270	294	280	274	27	46	184	294	27
24	151	192	168	134	132	139	143	134	80	82	41	44	59	138	103	140	131	121	53	94	86	66	95	99	109	192	41
25	100	85	67	65	87	79	115	119	124	116	119	131	120	113	112	103	96	94	103	113	106	99	91	98	102	131	65
26	111	88	85	97	67	72	93	72	98	110	120	111	119	116	125	150	137	124	119	95	85	114	120	120	106	150	67
27	128	142	126	110	110	109	121	108	65	55	134	157	256	231	307	268	269	318	223	247	284	0	154	177	158	318	0
28	108	111	178	271	129	159	162	157	95	254	267	255	267	234	233	245	250	271	277	296	274	299	323	28	240	323	28
29	341	357	254	253	187	135	136	97	218	246	259	251	243	248	247	252	243	221	216	258	269	279	304	30	248	357	30
30	130	174	178	173	190	156	109	126	124	134	123	148	194	174	212	263	275	291	288	175	187	176	171	198	175	291	109
Avg	156	162	158	153	135	137	134	113	89	128	203	210	219	216	231	240	227	227	224	196	170	181	139	146	172	--	--
Max	341	357	327	337	291	307	223	298	348	323	273	329	292	281	307	317	291	318	319	296	337	314	323	303	--	357	--
Min	68	20	59	65	66	52	67	58	50	38	3	33	59	37	61	4	36	53	27	26	40	0	27	28	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Jul 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	-0.03	-0.07	0.00	0.05	0.07	0.09	-0.12	-0.57	-0.44	-0.62	-0.93	-1.05	-1.24	-1.35	-1.27	-1.04	-0.78	-0.38	-0.21	-0.09	-0.04	-0.04	-0.02	0.02	-0.42	0.09	-1.35
2	-0.03	-0.01	0.00	0.03	0.01	0.03	-0.08	-0.25	-0.64	-0.77	-0.88	-1.15	-1.20	-1.30	-1.04	-1.07	-0.93	-0.77	-0.35	-0.07	-0.02	-0.02	-0.01	0.35	-0.42	0.35	-1.30
3	0.63	0.16	0.17	0.54	0.28	0.14	0.11	0.10	-0.03	-0.31	-0.59	-0.44	-0.47	-0.92	-0.78	-0.84	-0.74	-0.60	-0.30	0.00	0.07	0.16	0.58	0.54	-0.11	0.63	-0.92
4	0.32	0.20	0.21	0.30	0.31	0.22	0.02	-0.52	-0.75	-0.90	-1.02	-1.18	-1.16	-1.19	-1.08	-0.60	-0.30	-0.14	-0.10	0.03	0.08	0.08	0.03	0.00	-0.30	0.32	-1.19
5	0.09	0.12	0.31	0.21	0.18	0.07	0.01	-0.24	-0.33	-0.42	-0.53	-0.32	-0.43	-0.77	-0.47	-0.36	-0.35	-0.32	-0.26	-0.05	0.07	0.16	0.14	0.09	-0.14	0.31	-0.77
6	0.06	0.10	0.04	0.10	0.09	0.21	0.03	-0.29	-0.74	-0.84	-0.95	-1.15	-1.09	-1.19	-1.18	-1.18	-1.01	-0.53	-0.12	-0.02	0.03	0.01	0.05	0.11	-0.39	0.21	-1.19
7	0.22	0.60	0.71	0.53	0.45	0.51	-0.17	-0.63	-0.48	-0.86	-1.16	-1.17	-1.26	-1.39	-1.24	-1.12	-0.98	-0.72	-0.29	0.03	0.14	0.58	0.57	0.61	-0.27	0.71	-1.39
8	0.66	0.24	0.34	0.49	0.43	0.63	0.09	-0.39	-0.72	-0.82	-1.06	-1.42	-1.22	-1.35	-0.93	-1.11	-0.81	-0.39	-0.17	-0.04	-0.04	-0.04	-0.03	-0.02	-0.32	0.66	-1.42
9	-0.03	-0.05	-0.02	0.06	0.14	0.18	-0.02	-0.22	-0.46	-0.60	-0.96	-0.73	-1.18	-0.97	-1.06	-0.99	-0.82	-0.54	0.32	0.26	0.15	0.18	0.27	0.25	-0.29	0.32	-1.18
10	0.26	0.26	0.34	0.48	0.80	0.49	-0.09	-0.40	-0.78	-1.04	-1.26	-1.55	-1.22	-1.23	-1.11	-1.03	-0.78	-0.63	-0.28	0.01	0.22	0.20	0.07	0.12	-0.34	0.80	-1.55
11	0.07	0.17	0.07	0.02	0.09	0.03	-0.46	-0.82	-1.03	-1.23	-1.25	-0.89	-1.21	-1.03	-1.28	-1.16	-1.09	-0.76	-0.34	0.05	0.16	0.30	0.38	0.15	-0.46	0.38	-1.28
12	0.10	0.32	0.74	0.71	0.93	0.25	0.18	-0.08	-0.34	-0.65	-0.80	-1.03	-1.24	-1.48	-1.14	-1.19	-0.93	-0.68	-0.30	-0.26	-0.12	-0.06	0.09	0.11	-0.29	0.93	-1.48
13	0.08	0.15	0.19	0.10	0.08	0.10	-0.13	-0.91	-1.14	-1.27	-1.67	-1.16	-1.57	-1.21	-1.42	-1.30	-0.90	-0.65	-0.07	0.08	0.11	0.01	0.12	0.08	-0.51	0.19	-1.67
14	-0.01	0.03	0.11	0.02	0.06	0.07	-0.14	-0.66	-0.87	-1.29	-1.54	-1.64	-1.60	-1.45	-1.41	--	-1.28	-0.54	-0.19	-0.12	0.02	0.23	0.08	0.27	-0.52	0.27	-1.64
15	0.28	0.18	0.19	0.25	0.27	0.21	0.11	-0.25	-0.73	-1.19	-1.34	-1.38	-1.50	-1.43	-1.29	-1.27	-1.09	-0.88	-0.42	0.02	0.16	0.34	0.43	0.10	-0.43	0.43	-1.50
16	0.10	-0.02	0.17	0.27	0.36	0.33	-0.17	-0.38	-0.47	-0.74	-0.92	-1.07	-1.27	-1.51	-1.36	-1.37	-1.05	-0.85	-0.45	-0.03	0.07	0.13	0.01	0.01	-0.43	0.36	-1.51
17	0.02	0.07	0.15	0.24	0.19	0.20	0.21	-0.21	-0.38	-0.78	-0.64	-0.49	-0.67	-0.50	-0.89	-0.96	-1.08	-0.27	-0.10	0.02	0.14	0.28	0.00	-0.06	-0.23	0.28	-1.08
18	-0.01	0.12	0.19	0.25	0.03	0.04	-0.07	-0.34	-0.46	-0.68	-1.02	-1.27	-1.64	-1.45	-1.59	-0.65	-0.43	-0.28	-0.24	-0.16	-0.14	-0.16	-0.10	0.03	-0.42	0.25	-1.64
19	0.04	-0.05	-0.01	-0.01	-0.03	-0.03	-0.26	-0.52	-0.52	-0.68	-1.07	-1.24	-1.47	-1.44	-1.09	-1.07	-1.00	-0.87	-0.37	-0.08	-0.04	-0.04	-0.05	-0.03	-0.50	0.04	-1.47
20	-0.01	-0.01	0.05	0.14	0.33	0.39	0.04	-0.27	-0.65	-0.85	-1.30	-1.23	-1.38	-1.43	-1.41	-1.28	-1.06	-0.80	-0.38	-0.05	0.00	0.04	0.22	0.26	-0.44	0.39	-1.43
21	0.69	0.45	0.69	1.06	0.78	0.61	0.00	-0.32	-0.50	-0.66	-1.19	-1.29	-1.39	-1.42	-1.20	-1.30	-1.15	-0.82	-0.38	0.00	0.18	0.29	0.57	0.64	-0.24	1.06	-1.42
22	0.49	0.38	0.20	0.24	0.28	0.48	0.01	-0.34	-0.66	-0.94	-1.14	-1.36	-1.22	-1.51	-1.34	-1.40	-1.14	-0.77	-0.32	0.02	0.15	0.18	0.15	0.11	-0.39	0.49	-1.51
23	0.07	0.12	0.14	0.11	0.17	0.12	-0.06	-0.29	-0.57	-0.62	-1.26	-0.85	-0.94	-0.84	-0.89	-0.97	-0.86	-0.46	-0.28	-0.07	0.04	-0.04	-0.15	-0.11	-0.35	0.17	-1.26
24	-0.02	-0.02	-0.01	-0.05	-0.04	-0.03	-0.13	-0.43	-0.48	-0.72	-0.96	-0.76	-1.14	-1.31	-1.35	-1.23	-0.95	-0.67	-0.33	-0.05	0.00	0.00	0.06	0.02	-0.44	0.06	-1.35
25	0.03	0.02	0.00	0.05	0.04	0.01	-0.04	-0.30	-0.56	-0.74	-0.89	-1.21	-1.31	-1.30	-0.80	-0.65	-0.92	-0.56	-0.13	0.08	0.07	0.06	0.10	0.24	-0.36	0.24	-1.31
26	0.15	0.20	0.45	0.73	0.68	0.69	0.40	-0.50	-0.51	-0.84	-0.95	-1.01	-1.21	-1.27	-1.20	-1.06	-0.72	-0.41	-0.16	0.02	0.10	0.16	0.24	0.16	-0.24	0.73	-1.27
27	0.16	0.15	0.12	0.05	0.09	0.10	0.15	-0.52	-0.62	-0.76	-0.87	-1.28	-1.50	-1.39	-1.48	-1.15	-0.91	-0.68	-0.33	-0.02	0.09	0.20	0.34	0.27	-0.41	0.34	-1.50
28	0.21	0.03	-0.02	0.01	0.01	0.03	-0.06	-0.25	-0.65	-0.84	-0.91	-1.46	-1.26	-1.29	-1.44	-1.39	-1.20	-0.71	-0.25	-0.11	0.77	1.16	0.60	0.34	-0.36	1.16	-1.46
29	0.21	0.27	0.23	0.37	0.43	0.50	0.35	-0.49	-0.42	-0.62	-0.67	-0.99	-1.16	-1.12	-1.03	-1.05	-1.02	-0.76	-0.19	0.12	0.39	0.14	0.15	0.09	-0.26	0.50	-1.16
30	0.07	0.19	0.17	0.14	0.20	0.19	-0.03	-0.47	-1.05	-1.16	-1.20	-1.34	-1.48	-1.38	-1.11	-0.96	-0.93	-0.43	-0.34	0.22	0.30	0.43	1.01	0.68	-0.35	1.01	-1.48
31	0.71	0.80	0.93	0.78	0.55	0.52	0.25	-0.26	-0.75	-1.02	-1.07	-1.27	-1.39	-1.70	-1.40	-0.29	0.00	0.25	0.22	0.14	0.41	0.77	0.41	0.28	-0.09	0.93	-1.70
Avg	0.18	0.16	0.22	0.27	0.27	0.24	0.00	-0.39	-0.61	-0.82	-1.03	-1.11	-1.23	-1.26	-1.17	-1.03	-0.88	-0.57	-0.23	0.00	0.11	0.18	0.20	0.18	-0.35	--	--
Max	0.71	0.80	0.93	1.06	0.93	0.69	0.40	0.10	-0.03	-0.31	-0.53	-0.32	-0.43	-0.50	-0.47	-0.29	0.00	0.25	0.32	0.26	0.77	1.16	1.01	0.68	--	1.16	--
Min	-0.03	-0.07	-0.02	-0.05	-0.04	-0.03	-0.46	-0.91	-1.14	-1.29	-1.67	-1.64	-1.64	-1.70	-1.59	-1.40	-1.28	-0.88	-0.45	-0.26	-0.14	-0.16	-0.15	-0.11	--	--	-1.70

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Aug 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	0.24	0.18	0.18	0.28	0.24	0.27	0.16	-0.41	-0.86	-1.02	-1.06	-1.26	-1.37	-1.16	-0.85	-0.89	-0.96	-0.65	-0.43	-0.11	0.01	0.13	0.15	0.10	-0.38	0.28	-1.37
2	0.09	0.09	0.09	0.12	0.11	0.11	0.02	-0.55	-0.78	-1.05	-0.95	-1.20	-0.76	-0.87	-0.85	-0.94	-0.70	-0.56	-0.14	0.08	0.33	0.96	0.65	0.82	-0.25	0.96	-1.20
3	0.91	1.00	0.92	0.66	0.70	0.65	0.32	-0.42	-0.46	-0.77	-0.95	-1.24	-1.23	-1.25	-1.18	-1.00	-0.84	-0.49	-0.10	0.09	0.18	0.23	0.25	0.84	-0.13	1.00	-1.25
4	0.34	0.18	0.20	0.72	0.79	0.78	0.76	-0.24	-0.44	-0.78	-0.73	-0.96	-1.12	-0.99	-0.98	-0.90	-0.75	-0.48	-0.15	0.04	0.25	0.42	0.71	0.42	-0.12	0.79	-1.12
5	0.35	0.29	0.30	1.01	1.05	0.64	0.70	0.01	-0.32	-0.56	-0.81	-1.03	-1.13	-1.03	-1.07	-0.90	-0.69	-0.36	-0.13	0.10	0.18	0.17	0.17	0.13	-0.12	1.05	-1.13
6	0.23	0.19	0.07	0.08	0.30	0.16	-0.05	-0.28	-0.49	-0.88	-0.68	-0.64	-0.27	-0.35	-0.59	-0.94	-0.91	-0.57	-0.02	0.71	0.45	0.45	0.66	0.81	-0.11	0.81	-0.94
7	0.46	0.43	0.17	0.12	0.11	0.12	0.01	-0.21	-0.55	-0.82	-0.98	-0.81	-0.79	-0.88	-0.60	-0.29	-0.22	-0.06	0.03	0.37	0.52	0.23	0.19	0.21	-0.14	0.52	-0.98
8	0.06	-0.03	-0.03	-0.07	-0.11	-0.09	-0.11	-0.39	-0.75	-0.68	-0.66	-1.11	-1.38	-1.27	-1.20	-1.17	-0.87	-0.62	-0.20	0.02	0.16	0.40	0.38	0.61	-0.38	0.61	-1.38
9	0.34	0.58	0.65	0.59	0.30	0.30	0.01	-0.55	-0.68	-0.53	-0.83	-1.13	-1.16	-1.46	-1.32	-1.19	-0.96	-0.72	-0.21	0.05	0.04	0.03	0.11	-0.15	-0.33	0.65	-1.46
10	-0.24	-0.10	0.14	-0.07	-0.07	-0.11	-0.09	-0.24	-0.41	-0.93	-1.38	-1.47	-1.29	-1.66	-1.77	-1.09	-1.17	-0.75	-0.25	-0.15	-0.04	-0.02	0.00	0.03	-0.55	0.14	-1.77
11	0.07	0.07	0.10	0.23	0.38	0.54	0.18	-0.04	-0.44	-0.33	-0.14	-0.42	-0.88	-1.44	-1.37	-0.76	-0.89	-0.63	-0.28	-0.04	0.48	0.49	0.55	0.22	-0.18	0.55	-1.44
12	0.15	0.09	0.14	0.12	0.10	0.10	0.02	-0.37	-0.47	-0.69	-0.49	-0.72	-0.81	-0.49	-1.57	-1.17	-0.96	-0.68	-0.11	0.08	0.47	0.75	0.81	0.71	-0.21	0.81	-1.57
13	0.47	0.36	0.35	0.32	0.29	0.28	0.20	-0.22	-0.85	-1.41	-1.55	-1.61	-1.65	-1.62	-1.63	-1.39	-1.10	-0.74	-0.01	0.40	0.52	0.73	0.58	0.67	-0.36	0.73	-1.65
14	0.78	0.39	0.51	0.41	0.50	0.44	0.15	-0.38	-0.98	-1.18	-1.50	-1.66	-1.72	-1.65	-1.37	-0.93	-0.86	-0.17	0.07	0.23	0.36	0.47	0.41	0.30	-0.31	0.78	-1.72
15	0.45	0.68	0.44	0.62	0.56	0.47	0.02	-0.39	-1.01	-1.16	-0.84	-1.01	-1.08	-1.22	-1.31	-1.27	-0.96	-0.58	-0.13	0.02	0.21	0.38	0.48	0.69	-0.25	0.69	-1.31
16	0.57	0.72	0.85	0.38	0.13	0.08	0.03	-0.31	-0.66	-0.93	-1.08	-1.20	-1.24	-1.27	-1.29	-1.05	-0.96	-0.47	-0.14	-0.05	0.03	0.06	0.12	0.05	-0.32	0.85	-1.29
17	0.02	0.04	0.01	0.00	0.04	0.01	-0.06	-0.19	-0.67	-0.72	-0.92	-1.35	-1.28	-1.27	-1.18	-1.18	-0.82	-0.56	-0.15	-0.01	-0.01	0.00	0.01	0.03	-0.43	0.04	-1.35
18	0.01	0.05	0.06	0.06	0.06	0.13	0.07	-0.22	-0.50	-0.72	-0.96	-1.20	-1.28	-1.33	-1.12	-0.92	-0.69	-0.47	-0.12	0.00	0.04	0.03	0.06	0.10	-0.37	0.13	-1.33
19	0.09	0.18	0.23	0.28	0.46	0.34	0.21	-0.16	-0.32	-0.72	-1.17	-1.23	-1.32	-1.28	-1.27	-1.00	-0.82	-0.43	-0.13	0.05	0.05	0.03	0.05	0.06	-0.33	0.46	-1.32
20	0.09	0.09	0.16	0.38	0.33	0.29	0.09	-0.26	-0.58	-0.87	-1.22	-1.16	-1.40	-1.35	-1.26	-1.09	-0.88	-0.60	-0.15	0.00	0.06	0.10	0.27	0.41	-0.36	0.41	-1.40
21	0.48	0.52	0.31	0.41	0.29	0.11	-0.07	-0.20	-0.55	-0.94	-0.95	-1.23	-1.06	-1.31	-1.17	-1.17	-0.86	-0.48	-0.16	0.06	0.07	0.22	0.41	0.22	-0.29	0.52	-1.31
22	0.03	0.04	-0.04	-0.06	-0.04	0.00	-0.07	-0.35	-0.62	-1.08	-1.17	-1.33	-1.43	-1.23	-1.25	-1.02	-0.85	-0.59	-0.17	0.04	0.04	0.06	0.17	0.33	-0.44	0.33	-1.43
23	0.39	0.44	0.14	0.12	0.24	0.42	0.13	-0.16	-0.36	-0.53	-0.49	-0.87	-1.20	-1.53	-1.46	-1.18	-0.70	-0.29	-0.30	-0.14	0.02	0.14	0.10	0.33	-0.28	0.44	-1.53
24	0.18	0.02	0.06	0.16	0.08	0.07	-0.08	-0.64	-1.13	-1.54	-1.52	-1.35	-1.83	-2.08	-1.42	-1.26	-0.65	-0.51	-0.23	-0.03	0.18	0.11	0.04	-0.06	-0.56	0.18	-2.08
25	-0.12	-0.07	-0.12	-0.11	-0.13	-0.16	-0.13	-0.29	-0.64	-1.42	-1.14	-1.00	-1.28	-1.16	-1.66	-0.78	-0.15	0.28	0.53	0.04	0.00	0.00	0.07	0.09	-0.39	0.53	-1.66
26	0.09	0.10	0.11	0.09	0.09	0.15	0.04	-0.47	-1.19	-1.62	-1.72	-1.72	-1.07	-1.21	-1.43	-1.30	-1.11	-0.63	-0.26	-0.20	-0.09	0.08	0.25	0.53	-0.52	0.53	-1.72
27	0.73	0.20	0.14	0.36	0.32	0.17	0.06	-0.69	-1.23	-1.65	-1.40	-1.54	-1.65	-1.63	-0.87	0.18	0.45	0.39	0.37	0.41	0.40	0.34	0.33	0.51	-0.22	0.73	-1.65
28	1.00	0.64	0.46	0.54	0.53	0.58	0.38	-0.26	-0.64	-1.05	-1.51	-1.66	-1.35	-1.23	-1.06	-0.97	-0.78	-0.43	0.01	0.09	0.18	0.35	0.60	0.62	-0.21	1.00	-1.66
29	0.87	0.98	0.94	0.89	1.03	0.79	0.45	-0.31	-0.85	-1.04	-1.25	-1.21	-1.33	-0.97	0.02	0.04	-0.01	0.03	0.18	0.38	0.04	0.01	0.22	0.34	0.01	1.03	-1.33
30	0.34	0.34	0.44	0.29	0.33	0.31	0.09	-0.39	-0.99	-1.06	-1.16	-1.43	-1.43	-1.41	-1.20	-0.98	-0.86	-0.45	-0.04	0.29	0.09	0.03	0.01	0.13	-0.36	0.44	-1.43
31	0.21	0.26	0.18	0.17	0.38	0.40	0.17	-0.28	-0.71	-0.86	-1.01	-1.11	-1.07	-1.36	-1.00	-0.93	-0.72	-0.47	-0.14	-0.31	-0.20	-0.02	0.03	-0.02	-0.35	0.40	-1.36
Avg	0.31	0.29	0.26	0.29	0.30	0.27	0.12	-0.32	-0.68	-0.95	-1.04	-1.19	-1.22	-1.26	-1.17	-0.95	-0.75	-0.44	-0.09	0.08	0.16	0.24	0.28	0.33	-0.30	--	--
Max	1.00	1.00	0.94	1.01	1.05	0.79	0.76	0.01	-0.32	-0.33	-0.14	-0.42	-0.27	-0.35	0.02	0.18	0.45	0.39	0.53	0.71	0.52	0.96	0.81	0.84	--	1.05	--
Min	-0.24	-0.10	-0.12	-0.11	-0.13	-0.16	-0.13	-0.69	-1.23	-1.65	-1.72	-1.72	-1.83	-2.08	-1.77	-1.39	-1.17	-0.75	-0.43	-0.31	-0.20	-0.02	0.00	-0.15	--	--	-2.08

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Sep 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	0.28	0.27	0.15	0.02	0.22	0.19	0.07	-0.18	-0.60	-0.90	-1.07	-1.14	-1.23	-1.38	-0.90	-0.91	-0.67	-0.40	0.01	0.06	0.22	0.52	0.27	0.18	-0.29	0.52	-1.38
2	0.26	1.09	0.85	0.89	0.59	0.54	0.69	0.22	-0.24	-0.40	-0.80	-0.60	-1.19	-1.22	-1.19	-0.96	-0.46	-0.14	0.21	0.49	0.67	0.38	0.34	0.42	0.02	1.09	-1.22
3	0.34	0.40	0.38	0.40	0.45	0.48	0.27	-0.30	-0.91	-0.90	-0.80	-0.96	-0.47	-0.27	-0.20	-0.17	0.05	-0.11	-0.09	-0.06	0.00	0.00	0.09	0.22	-0.09	0.48	-0.96
4	0.52	0.44	0.67	0.53	0.56	0.81	0.54	-0.42	-0.79	-0.81	-1.34	-1.44	-1.40	-1.09	-1.14	-0.59	-0.51	-0.41	-0.31	-0.07	0.08	-0.03	0.11	0.12	-0.25	0.81	-1.44
5	0.16	0.05	0.09	0.07	0.09	0.07	0.03	-0.16	-0.32	-0.27	-0.36	-0.41	-0.68	-1.02	-1.15	-1.09	-0.84	-0.42	-0.03	0.02	0.11	0.28	0.31	0.44	-0.21	0.44	-1.15
6	0.48	0.47	0.59	0.36	0.46	0.42	0.20	-0.40	-0.73	-1.42	-1.10	-0.97	-1.13	-1.32	-1.24	-1.01	-0.69	-0.49	-0.03	0.03	0.07	0.48	0.20	0.61	-0.26	0.61	-1.42
7	0.63	0.52	0.91	0.62	0.70	0.84	0.49	-0.15	-0.44	-0.84	-0.95	-0.66	-0.99	-1.05	-0.66	-0.72	-0.62	-0.21	0.13	0.14	0.17	0.21	0.19	0.16	-0.07	0.91	-1.05
8	0.13	0.14	0.11	0.10	0.14	0.26	0.24	0.14	-0.15	-0.65	-1.03	-0.77	-0.98	-0.80	-1.02	-0.67	-0.81	-0.39	0.01	0.07	0.10	0.04	0.14	0.05	-0.23	0.26	-1.03
9	0.00	0.05	0.12	0.14	0.16	0.15	0.12	-0.13	-0.57	-0.54	-0.52	-0.89	-0.56	-0.57	-0.47	-0.45	-0.30	-0.17	-0.07	-0.04	-0.03	-0.02	-0.02	0.00	-0.19	0.16	-0.89
10	0.03	0.23	0.18	0.01	0.01	0.14	0.23	0.38	0.04	-0.16	-0.22	-0.24	-0.44	-0.55	-0.58	-0.52	-0.30	-0.18	-0.10	-0.05	0.14	0.14	0.37	0.56	-0.04	0.56	-0.58
11	0.52	0.66	0.62	0.70	0.27	0.52	0.74	-0.39	-0.60	-0.46	-0.65	-0.98	-1.10	-1.08	-1.11	-1.00	-0.64	-0.38	-0.03	0.07	0.10	0.28	0.46	0.56	-0.12	0.74	-1.11
12	0.88	0.73	0.80	0.48	0.55	0.52	0.24	-0.38	-0.89	-1.13	-1.47	-1.54	-1.65	-1.56	-1.45	-0.82	-0.19	-0.12	0.18	0.59	0.71	0.12	0.24	0.15	-0.21	0.88	-1.65
13	0.22	0.78	0.65	0.47	0.43	0.67	0.67	-0.24	-0.69	-1.23	-0.76	-0.92	-1.30	-1.22	-1.08	-1.15	-0.76	-0.36	-0.13	0.36	0.20	0.25	0.00	0.20	-0.21	0.78	-1.30
14	0.16	0.46	0.20	0.18	0.07	0.33	0.17	-0.38	-0.72	-0.87	-0.83	-1.22	-1.08	-1.01	-1.03	-0.77	-0.70	-0.29	0.01	0.26	0.11	-0.04	0.01	0.15	-0.29	0.46	-1.22
15	0.07	0.14	-0.04	-0.07	-0.08	-0.06	-0.12	-0.43	-0.70	-0.81	-0.72	-0.85	-0.89	-0.93	-0.65	-0.64	-0.55	-0.21	-0.05	0.02	0.03	0.07	0.10	0.20	-0.30	0.20	-0.93
16	0.22	0.22	0.24	0.35	0.32	0.34	0.27	-0.35	-0.72	-1.16	-0.80	-0.68	-0.83	-0.97	-0.89	-0.74	-0.60	-0.25	0.03	0.13	0.16	0.12	0.28	0.42	-0.20	0.42	-1.16
17	0.38	0.44	0.26	0.48	0.43	0.49	0.48	-0.50	-0.88	-1.09	-1.18	-1.26	-1.11	-1.18	-0.96	-1.03	-0.79	-0.37	0.04	0.16	0.35	0.52	0.60	0.84	-0.20	0.84	-1.26
18	0.63	0.67	0.53	0.69	0.61	0.70	0.59	-0.50	-0.93	-1.36	-1.30	-1.37	-1.35	-1.37	-0.95	-1.07	-0.56	-0.11	0.04	0.06	0.29	0.64	0.76	0.67	-0.17	0.76	-1.37
19	0.83	0.91	0.78	0.80	0.68	0.65	0.65	0.10	-0.48	-0.62	-1.06	-1.25	-1.45	-1.34	-1.20	-1.18	-0.89	-0.44	-0.19	-0.11	-0.05	-0.07	-0.01	0.07	-0.20	0.91	-1.45
20	0.08	0.10	0.11	0.11	0.13	0.15	-0.03	-0.56	-0.88	-1.31	-1.93	-1.91	-1.85	-1.86	-1.34	-1.21	-1.14	-0.43	0.04	0.09	0.45	0.56	0.73	0.39	-0.48	0.73	-1.93
21	0.08	0.13	0.12	0.43	0.46	0.45	0.18	0.00	-0.19	-0.05	0.14	0.04	-0.05	0.05	0.05	-0.07	-0.10	0.01	0.05	0.03	0.01	-0.04	-0.05	-0.13	0.06	0.46	-0.19
22	-0.04	-0.04	-0.03	-0.05	-0.02	-0.01	-0.02	-0.14	-0.25	-0.26	-0.31	-0.26	-0.14	-0.59	-1.04	-1.08	-0.68	-0.16	0.33	0.19	0.11	0.00	0.10	0.22	-0.17	0.33	-1.08
23	0.45	0.36	0.54	0.66	0.34	0.27	0.27	-0.43	-0.74	-1.16	-1.09	-1.45	-1.23	-1.23	-0.93	-0.88	-0.67	-0.26	0.03	0.04	0.28	0.63	0.81	0.84	-0.19	0.84	-1.45
24	0.98	1.11	1.31	0.64	0.42	0.53	0.40	-0.26	-0.60	-0.87	-1.28	-1.53	-1.55	-1.30	-1.26	-1.05	-0.44	0.06	0.51	0.48	0.54	0.65	0.98	0.61	-0.04	1.31	-1.55
25	0.72	0.78	0.65	0.54	0.48	0.53	0.40	-0.11	-0.47	-0.75	-0.90	-1.13	-1.14	-1.08	-0.93	-0.64	-0.37	-0.05	0.13	0.19	0.25	0.30	0.35	0.34	-0.08	0.78	-1.14
26	0.39	0.41	0.39	0.48	0.45	0.37	0.21	-0.24	-0.51	-0.78	-1.02	-1.15	-1.28	-1.38	-1.29	-1.05	-0.64	-0.06	0.46	0.54	0.71	0.73	0.66	0.58	-0.13	0.73	-1.38
27	0.81	0.60	0.42	0.60	0.76	0.74	0.48	-0.21	-0.87	-1.25	-1.28	-1.23	-1.17	-1.09	-1.17	-1.03	-0.64	-0.17	0.20	0.26	0.63	1.04	0.67	0.64	-0.09	1.04	-1.28
28	0.78	1.17	0.72	0.89	0.80	0.59	0.72	0.03	-0.65	-0.42	-0.68	-0.96	-1.05	-1.21	-0.98	-0.49	-0.26	-0.07	0.09	0.17	0.20	0.32	0.35	0.91	0.04	1.17	-1.21
29	0.48	0.76	0.87	0.79	0.71	0.66	0.71	0.12	-0.38	-0.78	-0.69	-1.00	-1.22	-1.15	-1.18	-0.90	-0.69	-0.19	0.09	0.15	0.20	0.30	0.41	0.71	-0.05	0.87	-1.22
30	0.68	0.72	0.82	0.85	0.88	0.94	0.42	-0.18	-0.71	-1.13	-1.36	-1.45	-1.65	-1.48	-1.21	-0.98	-0.53	-0.13	0.25	0.57	0.90	0.85	1.12	1.16	-0.03	1.16	-1.65
Avg	0.41	0.49	0.47	0.44	0.40	0.44	0.34	-0.20	-0.59	-0.81	-0.91	-1.01	-1.07	-1.08	-0.97	-0.83	-0.57	-0.23	0.06	0.16	0.26	0.31	0.35	0.41	-0.16	--	--
Max	0.98	1.17	1.31	0.89	0.88	0.94	0.74	0.38	0.04	-0.05	0.14	0.04	-0.05	0.05	0.05	-0.07	0.05	0.06	0.51	0.59	0.90	1.04	1.12	1.16	--	1.31	--
Min	-0.04	-0.04	-0.04	-0.07	-0.08	-0.06	-0.12	-0.56	-0.93	-1.42	-1.93	-1.91	-1.85	-1.86	-1.45	-1.21	-1.14	-0.49	-0.31	-0.11	-0.05	-0.07	-0.05	-0.13	--	--	-1.93

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Jul 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	25.1	22.7	21.9	21.6	21.4	21.5	21.9	23.6	24.0	25.2	26.5	27.9	29.1	30.0	30.7	30.8	30.9	29.9	29.3	28.2	27.2	26.2	25.6	25.1	26.1	30.9	21.4
2	24.6	24.1	23.8	23.6	23.3	23.0	23.0	23.7	25.3	26.8	28.3	29.6	30.4	31.2	31.3	31.9	31.8	31.7	30.8	30.0	29.5	29.0	28.3	24.8	27.5	31.9	23.0
3	23.5	23.9	25.0	23.4	19.6	18.8	19.0	19.4	21.2	23.7	24.8	26.0	27.5	28.5	28.9	29.6	29.7	29.7	29.2	28.3	27.4	26.9	25.8	24.8	25.2	29.7	18.8
4	24.5	23.9	23.7	23.2	22.9	22.7	23.6	26.2	27.2	27.7	28.5	29.9	30.5	30.8	30.8	30.2	29.8	29.8	28.8	28.0	27.8	26.9	26.0	25.5	27.0	30.8	22.7
5	25.2	25.1	24.9	24.8	24.6	24.1	23.9	24.3	24.4	24.6	25.0	24.1	24.2	26.3	27.3	23.3	22.5	22.5	22.3	23.1	23.5	23.4	23.1	22.6	24.1	27.3	22.3
6	21.8	21.8	21.6	21.4	21.5	21.1	21.5	21.8	24.0	25.4	26.3	27.8	28.4	29.3	29.8	30.0	30.4	29.9	28.9	28.4	27.5	26.0	25.7	25.3	25.7	30.4	21.1
7	24.5	23.4	22.8	22.5	22.7	22.0	22.8	24.7	25.6	26.8	28.1	29.3	30.4	31.3	31.7	31.9	31.9	31.8	30.9	30.1	29.5	28.2	26.7	26.2	27.3	31.9	22.0
8	26.2	26.5	25.9	24.8	23.2	22.7	24.0	25.6	26.8	27.7	29.1	30.3	30.7	31.8	31.4	32.0	32.0	31.2	30.3	29.6	28.7	27.7	26.9	26.2	28.0	32.0	22.7
9	25.6	25.0	24.3	23.6	23.2	23.1	23.3	24.1	25.1	25.9	27.3	26.9	27.8	28.2	28.4	29.0	29.0	28.7	25.6	25.7	25.2	24.5	23.9	23.3	25.7	29.0	23.1
10	22.7	22.3	21.0	20.4	20.4	19.1	21.0	23.0	24.2	25.5	27.0	28.2	28.4	29.2	29.6	29.9	29.9	29.6	29.0	27.9	27.1	26.9	25.9	24.6	25.5	29.9	19.1
11	23.9	23.3	22.6	22.5	22.1	21.4	22.6	24.4	25.6	27.0	28.3	28.2	29.5	29.9	31.2	31.3	31.5	31.1	30.5	29.6	29.0	28.4	27.6	26.3	27.0	31.5	21.4
12	25.5	24.6	23.5	23.7	23.2	24.7	24.5	25.4	26.3	27.8	29.3	30.7	31.9	33.0	32.6	32.8	32.5	31.8	30.6	27.7	26.7	26.0	25.5	25.4	27.7	33.0	23.2
13	25.2	24.6	24.4	23.7	23.1	23.2	24.1	27.0	28.6	29.4	30.8	30.8	32.4	32.7	33.4	33.8	33.3	32.3	28.3	24.0	24.9	24.2	23.0	24.0	27.5	33.8	23.0
14	23.2	22.5	22.2	21.6	21.5	21.7	23.0	25.0	26.7	27.8	29.2	30.8	31.6	32.4	32.6	--	32.8	31.7	30.9	29.6	28.2	27.7	22.9	21.2	26.8	32.8	21.2
15	21.8	21.5	21.3	21.2	21.1	20.7	20.6	22.3	24.2	26.2	27.2	28.2	29.1	30.1	30.7	31.1	31.4	31.3	30.6	29.7	29.1	27.2	26.9	26.0	26.2	31.4	20.6
16	24.8	23.8	22.9	22.6	22.4	22.0	22.8	25.2	26.0	27.3	28.7	29.9	31.1	31.9	32.3	32.8	32.9	32.7	31.9	30.3	29.2	28.9	27.1	25.6	27.7	32.9	22.0
17	24.6	24.8	24.7	24.2	24.2	24.0	24.2	25.1	24.8	24.0	21.8	21.5	22.9	24.2	26.3	27.5	28.6	27.5	26.8	25.9	25.6	25.4	24.5	23.4	24.8	28.6	21.5
18	22.7	22.4	22.1	22.4	22.3	21.7	21.9	22.9	24.0	24.7	26.2	27.6	28.9	29.3	30.2	28.6	26.6	23.4	23.2	23.2	22.6	21.1	20.8	20.4	24.1	30.2	20.4
19	20.5	20.6	20.6	20.3	19.8	19.7	20.1	21.4	22.3	23.0	24.5	25.7	26.8	27.6	27.5	27.9	28.0	27.7	26.8	25.9	25.3	24.8	23.9	23.4	23.9	28.0	19.7
20	23.1	22.6	22.3	21.9	21.6	21.0	22.0	23.0	24.3	25.5	27.2	27.6	28.7	29.4	29.8	30.3	30.1	29.8	29.0	28.1	27.4	26.9	26.4	25.9	26.0	30.3	21.0
21	24.8	24.8	23.3	23.1	23.2	22.2	23.6	25.2	26.2	27.4	29.0	30.0	30.8	31.4	31.7	32.0	32.1	31.5	30.5	29.5	28.9	28.3	26.3	26.0	27.6	32.1	22.2
22	26.8	25.8	24.9	24.6	24.5	23.7	24.0	24.8	25.7	26.6	27.8	28.8	29.7	30.6	31.0	31.4	31.5	31.0	30.1	29.3	28.9	28.6	27.3	26.6	27.7	31.5	23.7
23	26.0	25.5	24.5	23.6	23.0	22.7	22.8	23.4	24.4	24.8	26.7	26.8	27.3	27.2	27.7	28.7	29.1	28.6	28.3	27.9	27.2	25.5	23.4	22.4	25.7	29.1	22.4
24	22.8	23.3	23.0	22.8	22.5	22.2	22.1	22.9	23.6	24.7	26.2	26.5	28.9	30.1	31.1	31.4	31.4	31.0	30.1	29.1	28.6	28.3	27.8	27.9	26.6	31.4	22.1
25	27.9	27.6	27.1	26.5	26.1	26.0	25.8	26.0	26.7	27.7	29.3	31.2	32.2	32.6	32.0	31.7	32.5	31.9	31.0	30.6	30.0	29.8	29.6	29.0	29.2	32.6	25.8
26	28.5	27.8	27.0	25.6	24.7	24.9	25.8	27.8	28.7	29.9	30.6	31.1	32.0	32.6	33.1	33.2	32.7	32.0	31.3	30.5	29.6	28.8	28.5	28.3	29.4	33.2	24.7
27	27.8	26.9	26.2	25.5	24.7	24.3	24.1	25.0	25.6	26.8	27.9	29.3	30.8	31.5	32.1	31.9	31.9	31.7	30.9	30.1	29.7	29.0	28.4	28.2	28.3	32.1	24.1
28	28.2	27.4	26.5	25.8	25.3	24.7	24.5	24.9	25.9	27.1	28.2	30.3	31.1	32.1	33.0	33.4	33.5	32.5	30.8	30.1	26.6	24.7	25.0	25.2	28.2	33.5	24.5
29	24.3	23.3	22.6	22.5	22.4	22.8	23.4	24.2	25.3	26.3	27.2	28.1	28.6	29.1	29.6	30.1	30.6	26.8	19.2	19.1	19.3	19.1	19.4	19.6	24.3	30.6	19.1
30	19.5	20.2	20.2	19.9	19.9	20.1	20.4	21.9	23.4	25.4	26.8	28.2	29.2	30.1	30.6	31.2	31.8	31.1	31.0	30.1	29.5	28.7	26.5	26.4	25.9	31.8	19.5
31	25.6	24.9	24.7	23.9	24.7	24.4	24.2	26.3	27.6	28.8	29.6	30.5	31.5	31.9	31.8	25.4	24.8	24.6	23.9	20.9	22.2	21.7	21.6	21.6	25.7	31.9	20.9
Avg	24.6	24.1	23.6	23.1	22.8	22.5	22.9	24.2	25.3	26.4	27.5	28.4	29.4	30.2	30.6	30.5	30.6	29.9	28.7	27.8	27.2	26.4	25.5	24.9	26.5	--	--
Max	28.5	27.8	27.1	26.5	26.1	26.0	25.8	27.8	28.7	29.9	30.8	31.2	32.4	33.0	33.4	33.8	33.5	32.7	31.9	30.6	30.0	29.8	29.6	29.0	--	33.8	--
Min	19.5	20.2	20.2	19.9	19.6	18.8	19.0	19.4	21.2	23.0	21.8	21.5	22.9	24.2	26.3	23.3	22.5	22.5	19.2	19.1	19.3	19.1	19.4	19.6	--	--	18.8

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Aug 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	21.5	21.8	22.1	22.4	21.6	22.2	24.8	26.4	27.7	28.6	29.6	30.5	31.0	30.9	31.6	31.9	31.3	30.6	29.4	27.2	26.7	25.6	24.2	26.7	31.9	21.5
2	23.9	23.3	22.9	22.9	22.5	22.2	22.2	24.6	26.3	27.7	28.8	30.3	30.4	31.3	31.6	32.1	31.9	31.8	31.1	30.5	29.7	28.4	27.0	26.6	27.5	32.1	22.2
3	25.9	25.4	26.6	26.2	24.6	24.2	24.2	26.1	27.6	28.5	29.6	31.1	32.1	32.9	33.7	33.7	33.8	33.3	32.3	31.5	30.7	30.5	30.2	27.7	29.3	33.8	24.2
4	29.7	29.4	28.7	27.2	25.4	25.3	25.0	27.3	29.5	29.9	31.3	33.0	33.9	34.2	34.5	34.6	34.3	33.9	33.0	32.2	31.3	30.6	29.6	30.3	30.6	34.6	25.0
5	30.3	30.0	29.5	28.2	26.0	26.2	27.6	29.2	29.7	30.7	31.7	32.8	33.6	34.1	34.7	34.9	34.7	34.0	33.5	32.5	31.8	31.5	31.3	31.2	31.2	34.9	26.0
6	30.7	29.8	27.4	26.3	25.7	25.8	26.0	26.2	27.1	28.6	28.7	28.6	27.8	27.8	28.6	30.0	31.1	31.2	30.6	29.6	29.5	28.9	28.2	27.5	28.4	31.2	25.7
7	27.7	26.8	26.5	26.2	25.7	25.2	25.0	25.1	26.0	27.1	28.0	28.8	29.4	29.7	24.1	23.2	24.6	24.5	24.5	22.9	22.5	23.1	21.6	21.1	25.4	29.7	21.1
8	20.8	20.1	20.2	20.0	19.6	19.4	19.7	20.7	23.2	24.7	25.5	27.2	28.3	29.1	29.8	30.4	30.2	30.1	29.1	28.4	27.9	26.7	25.7	25.1	25.1	30.4	19.4
9	24.3	24.2	23.8	23.0	22.6	22.1	22.4	25.2	27.0	27.3	28.8	30.1	31.2	32.2	32.5	32.7	32.6	32.3	31.2	30.4	28.8	27.1	25.9	25.0	27.6	32.7	22.1
10	22.3	22.7	23.8	23.0	22.2	21.9	22.3	22.8	24.1	26.0	27.5	28.2	29.1	30.8	32.0	31.5	32.2	31.9	31.1	29.2	28.2	27.3	27.2	26.2	26.8	32.2	21.9
11	25.6	25.0	24.6	23.9	23.5	23.2	23.1	24.0	25.7	23.4	22.9	23.9	26.9	29.6	31.2	31.4	32.0	31.4	30.6	29.4	22.6	22.1	21.3	20.9	25.8	32.0	20.9
12	21.2	21.1	21.7	22.0	21.6	21.7	21.3	23.7	24.6	26.5	27.4	28.2	29.5	28.8	31.8	33.2	33.7	33.5	30.6	28.8	28.0	26.9	26.2	26.5	26.6	33.7	21.1
13	26.9	25.9	24.9	24.7	24.3	23.7	24.5	27.6	30.0	32.0	33.8	34.9	35.4	35.9	36.2	36.4	36.3	35.8	34.4	33.2	32.0	31.2	30.9	31.0	30.9	36.4	23.7
14	29.9	29.3	28.9	28.7	28.4	27.5	27.4	29.8	31.9	33.4	35.3	35.9	36.9	37.3	37.2	36.2	34.3	31.8	33.2	31.5	30.9	31.0	29.2	28.9	31.9	37.3	27.4
15	28.9	29.0	28.5	26.4	25.9	26.4	26.9	29.1	32.3	33.8	33.8	34.6	35.1	35.9	36.6	37.1	36.9	36.3	35.4	34.6	33.8	31.5	30.6	29.5	32.0	37.1	25.9
16	29.5	29.2	28.3	28.9	27.9	26.9	26.1	26.4	27.4	29.0	30.4	32.2	33.2	34.0	34.7	34.9	35.0	34.2	33.5	32.9	32.4	32.4	32.1	31.1	30.9	35.0	26.1
17	30.1	29.1	28.0	26.6	26.2	26.0	25.1	24.7	25.5	26.1	27.1	28.7	30.1	31.7	32.5	33.0	32.5	32.0	31.3	30.8	30.5	29.9	28.9	27.9	28.9	33.0	24.7
18	26.4	25.2	24.3	23.9	23.5	23.1	23.2	24.0	25.0	26.1	27.6	29.0	29.9	31.0	31.4	31.5	31.5	31.2	30.5	29.8	29.2	28.7	28.4	27.7	27.6	31.5	23.1
19	26.6	25.7	24.7	24.0	23.5	23.1	23.0	23.9	25.0	26.4	28.1	29.3	30.3	31.0	31.8	31.9	31.8	31.1	30.3	29.6	29.3	29.2	29.0	28.8	27.8	31.9	23.0
20	28.0	27.0	26.1	25.1	24.6	24.0	23.8	24.2	25.1	26.5	28.3	29.4	30.7	31.3	31.9	32.0	32.1	31.7	30.9	29.8	27.9	27.3	26.6	25.8	27.9	32.1	23.8
21	25.6	24.9	25.0	24.5	24.2	24.0	24.1	24.1	24.7	25.9	26.7	28.1	28.9	30.4	30.9	31.5	31.7	31.0	30.4	29.7	29.3	28.8	27.8	28.0	27.5	31.7	24.0
22	26.8	26.2	26.0	24.8	24.1	24.0	23.9	24.4	25.3	26.6	27.7	28.8	30.2	30.3	30.9	31.2	31.3	31.1	30.1	29.4	28.3	26.8	25.9	25.3	27.5	31.3	23.9
23	25.3	24.4	24.6	24.2	23.4	22.8	23.0	24.6	25.3	26.3	26.3	28.6	30.6	32.2	32.8	32.5	30.7	26.4	28.1	25.8	23.9	24.7	25.3	24.9	26.5	32.8	22.8
24	24.8	24.3	24.1	23.1	22.1	21.7	22.0	23.9	25.9	27.4	29.1	30.3	31.9	33.0	33.0	33.2	32.6	32.3	31.4	30.4	29.1	28.6	28.3	27.4	27.9	33.2	21.7
25	25.7	24.6	24.0	22.5	22.0	21.3	21.6	22.1	23.6	26.5	27.9	28.0	29.3	29.7	31.2	30.2	23.1	22.3	23.8	23.0	22.2	20.6	20.8	21.1	24.5	31.2	20.6
26	21.2	21.2	21.1	20.7	20.4	20.6	21.2	22.7	25.2	27.2	29.1	30.6	30.3	31.2	32.6	32.6	32.8	32.1	31.0	26.8	25.9	25.2	25.1	25.7	26.3	32.8	20.4
27	25.1	24.6	24.8	24.9	23.5	23.2	23.2	25.9	29.2	30.4	31.2	31.7	32.2	32.0	30.7	24.7	20.4	22.0	22.1	21.9	21.9	21.3	20.9	20.4	25.3	32.2	20.4
28	20.7	19.7	19.6	19.7	19.6	19.4	20.7	23.1	26.2	28.4	30.2	31.7	32.6	33.3	33.4	33.2	33.0	32.5	31.5	30.8	30.1	29.7	29.5	28.9	27.4	33.4	19.4
29	27.4	26.9	26.4	25.5	24.9	23.7	23.5	25.9	28.3	29.9	31.4	32.4	33.5	33.5	28.7	29.9	30.7	30.4	29.3	28.3	26.4	25.1	24.8	24.6	28.0	33.5	23.5
30	24.5	24.0	23.4	23.0	22.8	22.9	22.8	24.9	27.5	29.0	29.8	31.4	31.9	32.7	32.8	32.8	32.8	32.1	31.1	30.1	28.8	27.5	26.3	25.7	27.9	32.8	22.8
31	25.7	24.9	24.6	24.4	24.5	23.7	23.4	24.3	25.8	27.4	28.9	29.8	30.6	31.7	31.5	31.6	31.4	31.0	29.9	24.2	22.3	21.4	19.2	18.5	26.3	31.7	18.5
Avg	25.9	25.3	25.0	24.4	23.8	23.4	23.6	25.0	26.7	27.9	29.1	30.2	31.2	31.9	32.1	32.1	31.7	31.2	30.5	29.3	28.1	27.4	26.8	26.2	27.9	--	--
Max	30.7	30.0	29.5	28.9	28.4	27.5	27.6	29.8	32.3	33.8	35.3	35.9	36.9	37.3	37.2	37.1	36.9	36.3	35.4	34.6	33.8	32.4	32.1	31.2	--	37.3	--
Min	20.7	19.7	19.6	19.7	19.6	19.4	19.7	20.7	23.2	23.4	22.9	23.9	26.9	27.8	24.1	23.2	20.4	22.0	22.1	21.9	21.9	20.6	19.2	18.5	--	--	18.5

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Sep 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	18.2	18.2	18.2	17.6	17.7	18.1	18.2	19.3	21.0	23.5	25.5	26.4	27.7	28.6	28.8	29.3	29.4	28.9	27.9	27.4	27.0	25.7	24.9	24.7	23.8	29.4	17.6
2	21.2	21.5	22.0	23.0	23.1	23.1	22.3	22.0	24.0	24.5	26.4	26.9	28.3	29.4	30.0	30.0	28.7	28.2	27.6	26.7	25.3	24.9	24.4	23.4	25.3	30.0	21.2
3	22.7	22.3	22.1	21.7	21.3	20.7	20.8	21.9	24.3	25.7	26.7	27.5	26.9	26.1	25.3	25.0	24.8	22.4	21.1	20.1	20.2	20.1	20.2	19.5	22.9	27.5	19.5
4	19.4	19.3	18.8	18.4	18.1	18.0	17.7	19.8	21.7	22.8	24.2	25.6	26.5	26.7	26.9	26.1	24.7	22.0	20.4	21.3	21.5	21.7	20.8	20.3	21.8	26.9	17.7
5	20.0	19.6	19.7	19.8	19.7	19.7	19.6	20.1	21.1	21.1	20.3	19.9	21.0	23.0	24.7	24.9	24.7	24.2	23.4	22.4	21.9	21.4	21.1	20.7	21.4	24.9	19.6
6	20.1	19.7	19.6	19.0	19.4	19.7	20.4	22.6	24.2	26.3	27.4	28.1	29.2	30.2	30.8	30.6	30.4	30.1	28.8	28.1	27.4	26.7	26.9	26.3	25.5	30.8	19.0
7	24.7	24.3	24.2	23.1	22.8	22.6	22.5	24.6	26.7	28.4	29.4	28.5	30.3	31.0	30.4	30.4	30.4	30.0	29.1	27.9	27.0	26.9	26.8	25.9	27.0	31.0	22.5
8	25.4	25.1	24.8	24.7	24.4	24.1	23.8	23.8	24.8	27.5	28.6	28.4	29.5	29.9	30.0	29.5	29.7	29.1	28.2	27.4	27.0	26.4	25.8	25.2	26.8	30.0	23.8
9	23.8	23.5	23.0	22.6	22.2	21.1	21.1	21.9	23.6	25.2	25.3	27.5	27.3	27.1	27.0	26.7	26.3	25.9	25.5	25.3	25.0	24.7	24.5	24.5	24.6	27.5	21.1
10	24.4	24.0	23.9	23.6	23.1	22.7	22.3	23.0	24.0	23.7	24.5	24.7	25.1	24.9	24.2	23.5	22.7	22.3	22.1	21.7	21.5	21.4	21.1	21.1	23.1	25.1	21.1
11	21.1	20.5	21.7	21.8	20.4	18.9	19.0	21.6	23.7	23.9	25.3	26.9	27.9	28.6	29.3	29.5	29.1	28.7	27.7	27.2	26.9	26.5	26.0	24.6	24.9	29.5	18.9
12	23.5	23.4	22.4	22.1	22.6	22.7	23.1	25.0	26.9	28.6	30.5	31.4	32.0	33.1	33.9	31.4	30.2	28.2	28.3	27.4	26.2	27.3	26.4	26.0	27.2	33.9	22.1
13	26.3	24.4	24.1	24.1	23.5	22.1	22.1	23.9	26.9	29.4	29.6	30.3	31.6	31.9	31.4	31.7	31.4	30.6	28.1	20.2	19.7	21.0	20.3	20.5	26.0	31.9	19.7
14	21.5	22.2	20.3	19.0	18.7	18.5	19.0	20.8	23.2	25.1	25.8	27.1	27.4	27.7	28.0	27.8	28.0	27.2	25.8	24.9	25.2	24.4	23.8	23.2	23.9	28.0	18.5
15	22.5	22.2	22.1	21.6	21.3	20.9	20.6	21.2	22.3	23.2	23.9	24.8	25.5	26.7	26.3	26.7	27.2	26.6	25.8	24.9	23.7	23.3	22.7	22.3	23.7	27.2	20.6
16	21.6	20.9	20.8	20.4	20.0	19.8	19.7	20.7	21.8	23.9	24.0	24.8	26.0	26.9	27.1	27.1	27.2	26.6	25.7	25.3	25.0	24.7	24.1	23.5	23.6	27.2	19.7
17	23.1	22.5	22.1	20.8	20.0	20.4	19.3	21.0	23.5	24.8	25.7	26.8	27.6	28.3	28.3	28.6	28.1	27.4	26.4	25.8	24.7	23.4	22.8	22.3	24.3	28.6	19.3
18	21.9	21.2	21.2	20.9	21.0	20.1	19.7	22.0	25.2	26.6	27.7	28.4	29.3	30.0	29.6	30.1	29.1	27.9	27.1	26.7	25.8	24.9	23.7	24.2	25.2	30.1	19.7
19	23.4	23.3	22.7	22.8	22.5	22.0	22.0	22.8	26.6	27.9	29.4	30.2	30.9	31.0	31.1	31.2	29.2	27.2	25.2	24.1	23.3	23.2	22.4	21.5	25.7	31.2	21.5
20	21.3	20.7	20.2	19.9	19.8	19.3	19.3	21.2	23.4	25.4	27.3	28.5	30.4	31.4	31.3	31.8	32.0	30.6	29.1	28.4	27.2	25.9	25.3	25.0	25.6	32.0	19.3
21	24.4	23.6	23.0	22.3	21.7	21.8	21.3	22.1	23.2	22.7	20.3	19.6	19.9	19.0	18.5	17.5	16.8	16.6	16.5	16.2	16.2	16.2	16.1	16.0	19.6	24.4	16.0
22	16.9	16.8	16.6	16.5	16.6	16.6	16.6	17.1	17.9	18.4	19.0	19.2	19.6	21.4	23.2	23.7	23.3	22.6	21.6	20.6	19.9	19.7	18.6	18.7	19.2	23.7	16.5
23	17.7	17.2	17.3	17.0	16.0	15.8	16.2	19.0	21.4	23.1	24.2	25.6	26.1	27.1	27.6	27.9	27.2	26.2	25.1	24.7	24.1	23.3	22.3	22.4	22.3	27.9	15.8
24	21.8	21.8	20.6	20.5	20.1	19.8	19.5	21.7	24.3	25.8	28.0	30.1	31.0	31.3	31.5	31.9	31.4	30.3	28.4	27.4	25.9	26.0	25.2	25.1	25.8	31.9	19.5
25	24.6	24.0	22.9	22.4	21.7	21.8	22.3	23.6	24.6	25.6	26.7	27.4	28.2	28.9	29.2	29.1	28.9	28.0	27.0	26.3	25.5	24.6	23.9	22.5	25.4	29.2	21.7
26	21.7	21.3	20.9	21.3	21.2	20.9	20.7	22.6	25.1	26.6	27.7	28.7	29.4	29.9	30.1	30.1	29.8	28.9	27.5	26.2	25.2	24.6	24.4	24.0	25.4	30.1	20.7
27	23.6	22.3	21.4	20.8	21.2	21.3	20.7	22.8	26.3	28.1	29.3	30.1	30.7	31.1	31.5	31.6	31.0	29.9	28.7	28.1	27.5	26.3	24.6	24.0	26.4	31.6	20.7
28	24.2	24.0	23.5	23.9	22.2	22.2	21.9	23.1	25.8	26.7	27.4	28.8	29.9	30.4	30.4	29.4	28.8	28.4	27.8	27.3	27.0	26.6	26.3	25.2	26.3	30.4	21.9
29	26.1	25.4	24.5	24.4	22.9	22.2	22.2	23.2	25.7	26.9	27.7	29.1	30.1	30.7	31.3	31.2	30.9	29.9	28.7	27.9	27.5	27.3	27.0	25.1	27.0	31.3	22.2
30	24.9	24.4	24.4	24.1	23.5	22.3	21.4	23.4	26.6	29.3	30.9	31.6	32.4	32.5	32.6	32.7	31.8	30.9	29.9	27.5	26.7	25.9	26.1	26.5	27.6	32.7	21.4
Avg	22.4	22.0	21.6	21.3	20.9	20.6	20.5	21.9	24.0	25.4	26.3	27.1	27.9	28.5	28.7	28.6	28.1	27.2	26.2	25.2	24.6	24.2	23.6	23.1	24.6	--	--
Max	26.3	25.4	24.8	24.7	24.4	24.1	23.8	25.0	26.9	29.4	30.9	31.6	32.4	33.1	33.9	32.7	32.0	30.9	29.9	28.4	27.5	27.3	27.0	26.5	--	33.9	--
Min	16.9	16.8	16.6	16.5	16.0	15.8	16.2	17.1	17.9	18.4	19.0	19.2	19.6	19.0	18.5	17.5	16.8	16.6	16.5	16.2	16.2	16.2	16.1	16.0	--	--	15.8

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Jul 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	21	139	386	580	783	926	987	1007	964	885	729	474	170	72	11	0	0	0	0	339	1007	0
2	0	0	0	0	0	17	184	411	620	799	927	1000	1017	968	873	731	535	327	128	7	0	0	0	0	356	1017	0
3	2	0	0	0	0	1	16	63	211	343	483	390	393	860	559	750	538	326	119	7	0	0	0	0	211	860	0
4	0	0	0	0	0	18	128	412	571	536	721	1025	971	859	723	329	147	75	33	4	0	0	0	0	273	1025	0
5	0	0	0	0	0	5	57	173	179	251	381	162	280	541	279	107	112	84	39	8	0	0	0	0	111	541	0
6	0	0	0	0	0	7	122	365	620	788	922	1055	860	985	811	732	530	224	57	8	0	0	0	0	337	1055	0
7	0	0	0	0	0	23	175	397	614	792	927	1013	1045	1006	829	746	557	341	116	5	0	0	0	0	358	1045	0
8	0	0	0	0	0	19	183	302	551	613	833	928	761	1001	600	700	521	211	77	9	0	0	0	0	305	1001	0
9	0	0	0	0	0	5	89	201	326	505	622	548	859	814	738	620	491	304	84	11	0	0	0	0	259	859	0
10	0	0	0	0	0	13	188	415	629	816	917	997	789	901	756	726	495	339	126	5	0	0	0	0	338	997	0
11	0	0	0	0	0	18	179	400	641	685	674	410	805	611	720	568	553	332	122	5	0	0	0	0	280	805	0
12	0	0	0	0	0	18	173	201	407	634	889	959	1011	980	854	758	514	320	64	15	0	0	0	0	325	1011	0
13	0	0	0	0	0	8	109	417	600	779	866	845	996	958	907	738	418	181	16	8	0	0	0	0	327	996	0
14	0	0	0	0	0	6	121	330	361	697	917	991	947	1005	808	--	470	180	66	5	0	0	0	0	300	1005	0
15	0	0	0	0	0	5	70	185	431	715	855	994	971	905	856	618	536	321	114	7	0	0	0	0	316	994	0
16	0	0	0	0	0	13	161	379	596	777	912	993	1022	985	893	754	555	351	137	17	0	0	0	0	356	1022	0
17	0	0	0	0	0	5	75	155	180	324	252	151	189	177	458	519	434	79	36	2	0	0	0	0	126	519	0
18	0	0	0	0	0	4	81	209	276	434	781	1059	1049	807	764	295	163	76	44	2	0	0	0	0	252	1059	0
19	0	0	0	0	0	9	110	204	417	801	817	1077	1057	906	786	630	488	323	91	4	0	0	0	0	322	1077	0
20	0	0	0	0	0	10	164	386	580	779	780	980	1032	976	882	739	521	318	108	5	0	0	0	0	344	1032	0
21	0	0	0	0	0	11	165	387	606	798	943	892	1021	860	897	755	546	323	109	4	0	0	0	0	346	1021	0
22	0	0	0	0	0	9	181	366	613	770	925	1001	1025	988	880	747	540	322	106	4	0	0	0	0	353	1025	0
23	0	0	0	0	0	8	92	218	512	478	841	518	496	374	480	433	344	137	46	4	0	0	0	0	208	841	0
24	0	0	0	0	0	2	45	278	395	591	857	649	994	999	889	716	527	311	101	4	0	0	0	0	307	999	0
25	0	0	0	0	0	4	69	178	270	502	861	956	961	860	408	388	513	274	46	2	0	0	0	0	262	961	0
26	0	0	0	0	0	11	165	349	535	776	875	886	917	940	780	694	430	212	75	5	0	0	0	0	319	940	0
27	0	0	0	0	0	2	73	373	577	753	662	971	1018	982	869	729	522	307	97	4	0	0	0	0	331	1018	0
28	0	0	0	0	0	2	44	144	415	739	839	1001	1007	943	852	806	685	269	42	2	1	0	0	0	325	1007	0
29	0	0	0	0	0	2	82	289	381	690	771	1011	1022	939	814	662	546	196	2	1	1	0	0	0	309	1022	0
30	0	0	0	0	0	5	111	324	580	766	914	989	1014	981	612	568	547	202	110	4	0	0	0	0	322	1014	0
31	0	0	0	0	0	4	84	252	491	693	758	865	1036	1032	497	38	43	19	13	1	1	0	0	0	243	1036	0
Avg	0	0	0	0	0	9	117	295	476	658	795	848	889	874	741	611	461	240	77	6	0	0	0	0	295	--	--
Max	2	0	0	0	0	23	188	417	641	816	943	1077	1057	1032	907	806	685	351	137	17	1	0	0	0	--	1077	--
Min	0	0	0	0	0	1	16	63	179	251	252	151	189	177	279	38	43	19	2	1	0	0	0	0	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Aug 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	113	361	571	761	891	970	1011	963	592	643	660	442	224	34	0	0	0	0	343	1011	0
2	0	0	0	0	0	2	88	365	583	769	903	948	716	777	836	734	511	296	85	2	0	0	0	0	317	948	0
3	0	0	0	0	0	4	142	364	585	774	912	996	1022	988	880	742	523	300	81	1	0	0	0	0	346	1022	0
4	0	0	0	0	0	3	141	365	588	777	919	999	1017	973	844	731	516	299	79	1	0	0	0	0	344	1017	0
5	0	0	0	0	0	2	137	328	539	770	915	991	1010	891	831	786	566	261	103	2	0	0	0	0	339	1010	0
6	0	0	0	0	0	2	115	298	393	585	524	399	141	296	462	548	488	281	70	0	0	0	0	0	192	585	0
7	0	0	0	0	0	1	92	213	564	760	738	522	504	659	268	137	107	97	15	0	0	0	0	0	195	760	0
8	0	0	0	0	0	1	43	212	558	518	701	956	858	883	728	727	473	278	70	5	0	0	0	0	292	956	0
9	0	0	0	0	0	2	118	338	560	750	886	984	946	978	821	714	521	307	77	2	0	0	0	0	334	984	0
10	0	0	0	0	0	1	59	118	266	429	550	523	720	925	902	421	561	229	33	0	0	0	0	0	239	925	0
11	0	0	0	0	0	1	53	107	399	120	71	295	452	665	688	370	485	301	127	14	0	0	0	0	173	688	0
12	0	0	0	0	0	1	96	342	337	429	292	451	364	249	725	686	493	288	20	0	0	0	0	0	199	725	0
13	0	0	0	0	0	1	125	351	575	764	900	998	1015	976	858	710	502	272	59	0	0	0	0	0	338	1015	0
14	0	0	0	0	0	2	100	327	549	738	876	964	992	947	675	493	258	76	37	0	0	0	0	0	293	992	0
15	0	0	0	0	0	1	110	334	552	733	891	817	860	854	794	689	476	254	54	0	0	0	0	0	309	891	0
16	0	0	0	0	0	1	103	322	544	736	875	958	974	933	827	694	556	223	43	9	0	0	0	0	325	974	0
17	0	0	0	0	0	0	31	181	550	733	873	957	969	932	823	669	469	247	51	0	0	0	0	0	312	969	0
18	0	0	0	0	0	1	105	308	543	737	873	945	968	920	837	680	471	249	49	0	0	0	0	0	320	968	0
19	0	0	0	0	0	0	99	323	551	745	887	972	989	940	838	667	454	230	44	0	0	0	0	0	322	989	0
20	0	0	0	0	0	0	95	319	541	731	868	953	969	927	817	663	454	232	44	0	0	0	0	0	317	969	0
21	0	0	0	0	0	0	45	86	378	648	636	869	631	798	718	632	415	213	47	0	0	0	0	0	255	869	0
22	0	0	0	0	0	0	68	325	464	783	836	895	996	796	794	508	439	236	42	0	0	0	0	0	299	996	0
23	0	0	0	0	0	0	94	199	455	459	576	929	967	915	812	711	437	143	103	2	0	0	0	0	283	967	0
24	0	0	0	0	0	1	68	287	490	588	839	883	974	894	672	528	200	121	51	0	0	0	0	0	275	974	0
25	0	0	0	0	0	0	13	94	253	625	423	488	761	560	655	225	5	19	23	0	0	0	0	0	173	761	0
26	0	0	0	0	0	0	62	259	531	723	874	947	487	693	887	671	460	233	76	0	0	0	0	0	288	947	0
27	0	0	0	0	0	0	40	310	525	712	866	908	952	702	213	67	236	124	16	0	0	0	0	0	236	952	0
28	0	0	0	0	0	0	86	325	535	729	871	950	958	911	794	656	445	213	31	0	0	0	0	0	313	958	0
29	0	0	0	0	0	0	82	304	531	724	862	940	966	707	206	128	170	86	10	0	0	0	0	0	238	966	0
30	0	0	0	0	0	0	88	309	532	723	796	949	948	908	807	646	441	220	39	0	0	0	0	0	309	949	0
31	0	0	0	0	0	0	12	233	445	700	848	935	940	856	690	629	436	183	41	0	0	0	0	0	290	940	0
Avg	0	0	0	0	0	1	85	278	500	670	767	848	841	820	719	578	427	224	59	2	0	0	0	0	284	--	--
Max	0	0	0	0	0	4	142	365	588	783	919	999	1022	988	902	786	660	442	224	34	0	0	0	0	--	1022	--
Min	0	0	0	0	0	0	12	86	253	120	71	295	141	249	206	67	5	19	10	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Sep 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	46	204	430	655	879	962	967	893	772	610	409	206	36	0	0	0	0	0	295	967	0
2	0	0	1	0	0	0	27	124	330	553	881	864	988	953	793	648	223	110	20	0	0	0	0	0	271	988	0
3	0	0	0	0	0	0	64	239	511	704	862	942	259	121	202	114	31	16	4	0	0	0	0	0	169	942	0
4	0	0	0	0	0	0	47	260	470	720	855	954	874	646	587	289	127	51	8	0	0	0	0	0	245	954	0
5	0	0	0	0	0	0	17	115	181	111	124	198	412	717	714	625	363	196	12	0	0	0	0	0	158	717	0
6	0	0	0	0	0	0	76	303	528	716	837	935	935	887	813	428	317	174	13	0	0	0	0	0	290	935	0
7	0	0	0	0	0	0	66	204	425	775	728	781	974	630	414	553	287	102	16	0	0	0	0	0	248	974	0
8	0	0	0	0	0	0	15	51	223	430	525	476	685	561	723	431	357	146	14	0	0	0	0	0	193	723	0
9	0	0	0	0	0	0	17	72	348	581	763	847	423	504	343	337	215	94	10	0	0	0	0	0	190	847	0
10	0	0	0	0	0	0	4	50	110	184	250	179	376	362	385	359	209	80	7	0	0	0	0	0	106	385	0
11	0	0	0	0	0	0	66	283	508	703	845	920	928	872	748	577	369	150	9	0	0	0	0	0	291	928	0
12	0	0	0	0	0	0	63	276	502	692	834	912	920	889	810	178	44	23	5	0	0	0	0	0	256	920	0
13	0	0	0	0	0	0	50	250	501	689	831	918	926	857	785	592	352	141	13	0	1	0	0	0	288	926	0
14	0	0	0	0	0	0	57	279	502	693	834	955	820	708	643	425	337	99	6	0	0	0	0	0	265	955	0
15	0	0	0	0	0	0	33	186	484	468	466	519	734	791	396	363	303	84	8	0	0	0	0	0	201	791	0
16	0	0	0	0	0	0	52	254	479	707	609	513	663	608	634	459	328	121	5	0	0	0	0	0	226	707	0
17	0	0	0	0	0	0	53	283	506	700	841	923	851	833	750	569	351	128	3	0	0	0	0	0	283	923	0
18	0	0	0	0	0	0	64	294	517	708	839	924	932	924	758	540	262	63	4	0	0	0	0	0	285	932	0
19	0	0	0	0	0	0	29	187	542	800	963	909	943	858	742	630	303	103	2	0	0	0	0	0	292	963	0
20	0	0	0	0	0	0	54	272	497	689	826	900	903	846	553	524	370	129	3	0	0	0	0	0	274	903	0
21	0	0	0	0	0	0	11	75	139	73	106	192	276	154	148	163	101	19	1	0	0	0	0	0	61	276	0
22	0	0	0	0	0	0	9	65	194	220	166	300	175	617	764	601	309	81	2	0	0	0	0	0	146	764	0
23	0	0	0	0	0	0	49	263	487	679	851	908	842	796	724	545	324	94	2	0	0	0	0	0	273	908	0
24	0	0	0	0	0	0	48	265	492	684	822	889	889	832	708	527	317	91	1	0	0	0	0	0	274	889	0
25	0	0	0	0	0	0	49	273	503	695	833	902	901	840	715	537	319	91	1	0	0	0	0	0	277	902	0
26	0	0	0	0	0	0	43	259	492	688	830	900	897	832	702	518	306	83	1	0	0	0	0	0	273	900	0
27	0	0	0	0	0	0	43	256	486	640	813	890	870	813	656	517	300	80	1	0	0	0	0	0	265	890	0
28	0	0	0	0	0	0	23	245	448	645	817	878	878	820	580	299	147	62	1	0	0	0	0	0	244	878	0
29	0	0	0	0	0	0	38	240	464	659	797	868	870	806	675	495	283	69	0	0	0	0	0	0	261	870	0
30	0	0	0	0	0	0	37	250	443	659	801	853	878	813	680	503	274	68	0	0	0	0	0	0	261	878	0
Avg	0	0	0	0	0	0	42	213	425	597	714	770	766	726	630	465	275	99	7	0	0	0	0	0	239	--	--
Max	0	0	1	0	0	0	76	303	542	800	963	962	988	953	813	648	409	206	36	0	1	0	0	0	--	988	--
Min	0	0	0	0	0	0	4	50	110	73	106	179	175	121	148	114	31	16	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Jul 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	53	68	71	71	72	71	67	55	55	52	47	43	40	37	35	33	31	33	34	38	41	46	48	50	50	72	31
2	52	53	54	54	54	54	49	47	44	39	35	33	32	30	29	28	28	28	28	28	29	30	32	51	39	54	28
3	56	51	44	57	84	89	87	84	72	61	58	47	37	37	35	32	31	32	34	36	38	40	45	48	51	89	31
4	50	53	54	56	57	58	54	45	43	43	38	33	30	31	30	30	30	29	33	36	36	42	47	47	42	58	29
5	47	48	48	49	49	48	50	49	48	48	45	48	51	41	38	63	67	65	68	62	51	51	53	59	52	68	38
6	67	67	69	70	69	70	64	61	50	45	46	40	39	37	36	34	31	30	29	32	39	50	50	51	49	70	29
7	53	56	59	59	60	61	55	46	41	39	36	33	30	28	26	24	22	21	21	23	25	30	31	32	38	61	21
8	32	29	30	32	37	38	33	28	24	22	25	26	27	22	25	20	18	20	25	26	29	32	32	32	28	38	18
9	29	29	32	35	37	43	47	48	40	34	31	32	31	30	30	28	27	27	41	38	40	40	30	28	35	48	27
10	31	33	37	38	39	43	36	37	39	34	29	27	28	27	25	25	25	24	26	29	31	32	36	38	32	43	24
11	40	42	53	58	61	63	58	52	48	44	39	38	35	33	30	30	29	27	25	24	24	24	24	24	39	63	24
12	25	27	30	30	31	26	27	26	25	24	21	21	20	19	19	20	21	21	24	36	40	40	40	38	27	40	19
13	37	40	40	44	48	45	44	36	31	29	25	26	23	23	21	20	21	23	37	55	47	51	58	49	36	58	20
14	53	56	57	60	59	58	52	45	39	39	33	29	26	24	23	--	23	23	24	29	32	36	58	67	41	67	23
15	65	61	61	57	56	57	59	53	47	38	37	34	32	31	29	27	26	25	27	29	32	36	37	39	41	65	25
16	42	47	47	48	49	49	44	37	35	33	29	27	25	24	21	21	20	20	20	24	28	28	35	41	33	49	20
17	46	45	45	47	47	47	47	43	45	51	62	62	54	47	38	35	30	33	40	45	42	42	44	52	45	62	30
18	54	55	56	54	55	58	58	52	47	45	39	36	33	33	30	34	44	61	61	61	65	77	74	76	52	77	30
19	73	70	67	72	74	73	71	63	58	56	53	48	44	42	41	40	40	40	43	44	47	51	59	62	56	74	40
20	64	66	67	69	69	70	60	56	51	49	43	41	37	34	31	30	30	30	32	34	38	40	41	42	47	70	30
21	46	45	47	48	49	50	45	37	35	34	31	29	27	25	22	20	19	23	23	26	27	32	33	34	34	50	19
22	34	35	36	36	27	26	24	20	19	20	19	18	18	20	21	20	20	21	23	25	25	26	35	39	25	39	18
23	38	31	36	38	39	41	42	43	39	40	33	33	30	30	29	24	20	23	25	24	26	40	62	69	36	69	20
24	64	59	60	61	64	66	67	61	56	52	48	48	38	33	28	27	25	26	26	27	26	26	28	29	44	67	25
25	28	27	27	28	28	29	29	30	29	25	21	18	16	16	17	16	15	14	13	13	12	11	11	11	20	30	11
26	12	13	15	17	18	17	16	14	11	10	11	11	11	11	9	8	9	9	10	12	13	17	18	19	13	19	8
27	18	22	26	30	35	38	40	34	34	30	31	28	23	20	19	20	19	19	22	23	24	26	29	30	27	40	18
28	30	32	36	40	41	42	45	44	40	36	34	30	29	27	24	23	22	23	25	27	44	57	55	53	36	57	22
29	57	64	69	68	71	66	60	58	49	42	38	37	36	36	36	35	35	48	90	94	84	82	78	77	59	94	35
30	78	71	73	77	76	74	73	69	66	57	48	41	38	35	32	29	27	29	29	30	31	34	43	42	50	78	27
31	45	47	46	50	47	49	50	43	41	40	38	37	34	34	32	52	58	61	62	82	68	74	74	70	51	82	32
Avg	46	47	48	50	52	52	50	46	42	39	36	34	31	30	28	28	28	29	33	36	37	40	43	45	40	--	--
Max	78	71	73	77	84	89	87	84	72	61	62	62	54	47	41	63	67	65	90	94	84	82	78	77	--	94	--
Min	12	13	15	17	18	17	16	14	11	10	11	11	11	11	9	8	9	9	10	12	12	11	11	11	--	--	8

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Aug 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	66	69	66	62	59	65	61	50	47	41	39	37	35	33	34	31	30	32	34	38	47	49	53	56	47	69	30
2	58	61	62	57	57	58	59	51	46	43	37	32	29	26	24	22	22	22	22	23	25	29	32	32	39	62	22
3	34	35	31	32	37	38	36	34	30	29	27	25	22	19	16	15	15	15	16	17	17	18	19	23	25	38	15
4	19	21	23	26	30	32	33	29	22	24	20	17	15	15	15	15	15	14	15	15	17	19	19	18	20	33	14
5	19	20	20	23	27	25	21	18	19	18	17	16	16	14	13	12	12	12	13	15	16	17	18	20	18	27	12
6	21	23	40	47	51	49	45	42	39	37	35	35	37	37	34	29	24	24	25	27	26	28	30	31	34	51	21
7	33	36	43	46	51	53	55	55	49	46	44	42	41	38	64	64	56	61	59	72	75	68	82	83	55	83	33
8	84	89	85	83	86	86	84	79	63	55	50	41	39	37	35	33	33	32	35	36	39	43	46	49	56	89	32
9	51	51	54	56	58	58	56	46	40	40	38	34	32	29	27	25	24	24	27	28	34	41	43	49	40	58	24
10	64	57	49	53	59	61	58	58	50	44	41	38	35	32	29	27	25	26	28	34	38	43	43	45	43	64	25
11	46	47	48	50	52	53	54	55	49	55	52	47	35	30	28	27	25	26	29	32	62	68	75	72	47	75	25
12	68	69	63	60	62	61	65	54	51	47	43	40	35	34	26	22	21	22	27	33	36	39	39	38	44	69	21
13	37	44	46	49	50	50	45	35	27	25	19	15	15	13	13	12	10	11	13	15	17	18	19	20	26	50	10
14	24	24	25	27	29	32	31	26	23	21	17	16	16	14	14	17	21	26	22	25	26	26	29	29	23	32	14
15	28	28	29	34	36	35	34	30	24	21	20	20	20	20	18	17	16	17	17	18	19	23	25	27	24	36	16
16	27	28	29	31	36	39	42	42	39	35	32	29	27	26	25	25	24	24	24	26	28	28	28	30	30	42	24
17	32	37	43	48	49	46	47	50	49	49	48	45	40	35	31	31	31	32	33	33	33	35	39	42	40	50	31
18	44	48	52	53	51	47	44	39	36	34	31	28	26	24	22	21	22	22	23	27	29	30	32	34	34	53	21
19	37	39	38	37	38	38	36	32	30	29	27	25	23	22	21	21	20	21	22	24	26	27	29	30	29	39	20
20	32	35	38	41	45	47	51	52	51	49	42	37	35	32	30	28	29	30	32	34	38	37	40	41	39	52	28
21	42	43	45	49	53	55	56	60	61	57	55	49	46	40	36	33	30	31	32	34	37	38	40	40	44	61	30
22	43	46	49	58	61	58	58	56	56	51	45	41	36	36	34	32	29	29	30	32	36	38	38	40	43	61	29
23	41	44	43	47	50	53	51	46	44	41	43	37	32	30	28	29	34	44	33	42	52	46	41	41	41	53	28
24	41	44	47	49	56	59	58	51	45	42	35	30	27	26	27	25	24	26	27	29	33	34	34	37	38	59	24
25	46	50	53	58	61	67	65	63	55	44	40	41	38	35	32	34	62	74	66	70	74	77	70	65	56	77	32
26	65	65	66	69	71	69	65	59	51	46	39	33	34	31	27	26	25	26	28	42	48	50	50	42	47	71	25
27	40	40	41	40	44	48	50	42	33	31	29	30	28	30	33	65	77	62	59	56	56	60	62	64	47	77	28
28	63	68	66	65	64	64	56	46	35	33	29	26	23	22	23	25	25	25	27	28	28	27	27	29	38	68	22
29	33	34	34	36	38	42	42	38	35	31	28	25	23	23	41	36	32	34	31	35	44	50	52	52	36	52	23
30	49	49	49	51	49	47	47	41	35	30	28	24	24	23	23	23	21	20	24	28	36	42	47	49	36	51	20
31	49	52	53	55	55	58	57	53	48	41	36	34	32	30	31	30	27	28	32	53	62	67	86	93	48	93	27
Avg	43	45	46	48	50	51	50	46	41	38	35	32	29	28	28	28	28	29	29	33	37	39	41	43	38	--	--
Max	84	89	85	83	86	86	84	79	63	57	55	49	46	40	64	65	77	74	66	72	75	77	86	93	--	93	--
Min	19	20	20	23	27	25	21	18	19	18	17	15	15	13	13	12	10	11	13	15	16	17	18	18	--	--	10

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, RH_Percent"
Month: Sep 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	83	84	90	85	81	81	77	70	56	44	43	41	39	37	34	31	33	34	34	34	40	46	49	56	90	31
2	73	73	68	59	56	55	59	65	51	48	41	39	33	26	22	23	26	28	30	35	41	42	48	54	46	73	22
3	56	56	56	57	58	59	57	52	44	39	32	32	35	39	45	45	45	61	64	66	64	67	64	67	52	67	32
4	65	64	66	65	66	69	69	58	53	49	45	40	37	36	38	40	49	61	69	62	61	62	69	73	57	73	36
5	75	76	76	75	74	72	72	70	66	68	76	77	68	57	48	49	55	51	55	62	64	65	66	66	66	77	48
6	67	66	66	67	66	65	62	54	49	43	35	34	32	30	29	29	29	29	31	33	37	39	37	38	44	67	29
7	43	43	44	47	48	48	49	44	37	31	31	34	31	30	31	30	29	29	30	35	36	34	34	36	37	49	29
8	37	37	38	38	39	41	43	44	43	34	32	34	31	29	32	33	33	34	36	38	38	39	42	46	37	46	29
9	54	54	54	57	59	63	63	61	53	47	48	41	42	43	45	47	49	50	53	52	53	54	53	51	52	63	41
10	50	52	52	54	58	60	64	60	50	54	49	49	48	53	58	61	64	65	67	68	69	70	72	70	59	72	48
11	68	66	58	58	65	70	71	59	51	50	48	45	42	40	38	37	35	35	37	37	38	39	41	45	49	71	35
12	48	49	52	52	50	49	47	43	39	34	29	26	24	21	19	24	22	30	30	31	31	30	34	36	35	52	19
13	36	40	41	41	42	47	46	41	33	28	28	28	26	26	27	24	22	24	31	73	71	57	63	62	40	73	22
14	53	49	62	72	72	71	66	57	48	40	37	36	35	36	37	37	36	39	43	46	46	55	58	60	50	72	35
15	67	69	70	75	77	80	82	80	71	63	58	53	48	40	42	38	33	34	39	47	55	55	61	56	58	82	33
16	56	64	62	58	65	68	68	71	71	54	49	44	39	36	36	37	35	36	39	40	42	41	38	38	49	71	35
17	37	40	42	46	49	54	53	45	41	42	39	35	31	27	27	28	30	30	32	33	35	38	40	41	38	54	27
18	42	44	43	44	44	46	46	40	34	31	28	25	24	22	19	18	17	20	22	23	25	27	29	27	31	46	17
19	28	27	28	26	27	28	28	28	19	17	15	15	15	16	17	18	31	38	46	50	53	52	55	58	31	58	15
20	57	59	61	63	64	67	67	60	51	44	40	35	27	23	23	22	21	25	29	31	34	37	38	38	42	67	21
21	51	61	63	66	65	58	56	55	52	58	77	84	81	86	86	87	88	88	89	92	93	94	94	96	76	96	51
22	97	97	97	97	96	96	96	96	90	83	82	84	81	73	63	59	61	62	65	72	73	75	82	77	81	97	59
23	81	83	82	83	86	87	84	70	64	57	49	44	43	39	36	35	40	43	46	48	51	55	59	55	59	87	35
24	55	54	59	60	63	64	64	53	41	37	32	26	23	23	22	19	19	21	26	29	33	32	33	34	38	64	19
25	36	38	40	41	40	35	30	27	30	35	33	32	30	27	25	24	25	28	31	33	34	36	37	42	33	42	24
26	45	46	47	44	45	46	47	42	35	31	27	24	23	23	21	22	21	20	22	25	26	28	26	26	32	47	20
27	27	30	32	34	34	35	36	33	27	24	20	19	18	15	15	15	16	17	19	19	22	25	27	30	25	36	15
28	31	33	35	34	37	37	37	34	29	27	27	26	23	22	22	22	24	24	25	26	28	30	31	32	29	37	22
29	31	32	33	33	37	39	38	35	30	28	26	24	24	23	22	21	21	23	25	27	28	28	29	32	29	39	21
30	32	33	32	32	31	34	39	34	29	23	20	18	14	15	14	13	13	12	15	18	19	20	20	20	23	39	12
Avg	53	54	55	55	57	57	57	53	47	42	40	38	36	34	33	33	34	36	39	43	44	46	48	49	45	--	--
Max	97	97	97	97	96	96	96	96	90	83	82	84	81	86	86	87	88	88	89	92	93	94	94	96	--	97	--
Min	27	27	28	26	27	28	28	27	19	17	15	15	14	15	14	13	13	12	15	18	19	20	20	20	--	--	12

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Jul 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	0.067	0.067	0.067	0
3	0.004	0	0	0.138	0.212	0.008	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.366	0.212	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	0.039	0	0	0	0	0	0.039	0.039	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	0.008	0.004	0	0	0.004	0	0.016	0.008	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0.016	0	0.016	0.016	0
15	0	0	0	0	0	0	0	0	0	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.004	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.252	0.004	0	0	0.256	0.252	0
29	0	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.866	0.204	0.012	0	0	0	1.09	0.866	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	0.004	0.012	0.016	0.316	0	0	0	0	0.348	0.316	0
Total	0.004	0	0.004	0.138	0.212	0.008	0	0.004	0	0	0	0.004	0	0	0	0	0.004	0.012	0.929	0.524	0.264	0.004	0.02	0.067	2.2	--	--
Max	0.004	0	0.004	0.138	0.212	0.008	0	0.004	0	0	0	0.004	0	0	0	0	0.004	0.012	0.866	0.316	0.252	0.004	0.016	0.067	--	0.866	--
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, East_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Aug 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	0.008	0	0.004	0	0	0.028	0	0	0.008	0	0.048	0.028	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	0.024	0.016	0.024	0	0.064	0.024	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	0.004	0	0	0	0	0	0	0	0.004	0.004	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	0.028	0	0	0	0	0	0	0.028	0.028	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	0.657	0.449	0.004	0	0	0	0	0	0	1.11	0.657	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	0.008	0	0	0	0	0	0	0	0	0	0.008	0.008	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	0.004	0.247	0.112	0.363	0.247	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016	0.657	0.457	0.032	0	0.028	0.024	0.02	0.279	0.112	1.63	--	--
Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.657	0.449	0.028	0	0.028	0.024	0.016	0.247	0.112	--	0.657	--
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: Sep 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	0.048	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.052	0.048	0
2	0.02	0.036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.056	0.036	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	0.055	0.063	0	0	0	0	0.118	0.063	0
14	0.004	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.004	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	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	0.004	0.036	0.024	0.016	0.028	0.024	0.032	0.012	0.004	0	0.036	0.012	0.02	0.056	0.064	0.368	0.064	0
22	0.028	0.048	0.008	0	0	0	0	0.004	0	0	0.008	0.012	0.012	0	0	0	0	0	0	0	0	0	0	0	0.12	0.048	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.1	0.092	0.008	0	0	0	0	0.004	0	0.004	0.044	0.036	0.028	0.028	0.024	0.032	0.012	0.004	0.055	0.099	0.012	0.02	0.056	0.064	0.722	--	--
Max	0.048	0.048	0.008	0	0	0	0	0.004	0	0.004	0.036	0.024	0.016	0.028	0.024	0.032	0.012	0.004	0.055	0.063	0.012	0.02	0.056	0.064	--	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, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Jul 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	654	654	654	654	654	654	654	654	654	654	654	654	654	654	653	653	653	652	653	653	653	654	654	654	654	654	652
2	654	654	654	654	654	654	654	654	655	655	654	654	654	653	653	653	652	652	652	652	652	653	653	653	653	655	652
3	653	653	653	653	654	655	655	655	654	654	654	654	653	653	653	652	651	651	651	652	652	652	652	652	653	655	651
4	652	652	651	651	651	652	652	653	653	653	653	653	653	653	652	652	652	652	652	652	653	653	653	653	652	653	651
5	653	653	653	653	653	654	654	655	655	655	655	655	655	654	654	654	654	654	654	654	654	654	655	655	654	655	653
6	655	655	655	655	655	655	655	656	656	656	656	656	655	655	654	654	653	653	653	653	653	654	654	654	654	656	653
7	654	654	654	653	654	654	654	655	655	655	654	654	653	653	653	652	652	651	651	651	651	652	652	652	653	655	651
8	652	652	652	652	652	652	652	653	653	653	653	652	652	651	651	651	650	650	650	650	651	651	651	652	651	653	650
9	652	652	652	651	652	652	652	652	653	653	653	653	652	652	651	651	651	650	651	651	651	652	652	652	652	653	650
10	652	652	652	652	652	653	653	654	654	654	654	653	653	653	652	652	651	651	651	652	652	653	653	653	653	654	651
11	653	653	653	653	653	653	654	655	655	655	655	655	655	655	654	654	654	654	654	654	655	655	655	655	654	655	653
12	655	655	655	655	655	655	656	656	656	656	656	656	656	655	654	654	654	654	654	655	655	655	655	655	655	656	654
13	655	654	654	655	655	655	655	655	655	655	655	655	654	653	653	652	652	652	652	652	653	654	654	653	654	655	652
14	653	653	653	653	653	653	653	653	654	654	654	654	653	652	652	--	651	651	651	652	652	653	653	653	653	654	651
15	653	653	653	653	653	653	654	654	655	655	655	655	654	654	653	653	653	652	652	653	653	653	654	654	654	655	652
16	654	654	654	654	654	654	655	655	655	655	655	655	654	654	653	653	652	652	652	653	653	654	654	654	654	655	652
17	654	653	653	653	653	654	654	654	655	655	655	655	654	654	653	653	652	652	652	653	653	653	654	654	654	655	652
18	654	654	654	654	654	654	655	655	656	656	656	656	655	655	654	654	654	654	654	655	655	656	656	656	655	656	654
19	656	656	656	656	656	656	656	657	657	657	657	657	657	656	656	656	655	655	655	655	656	656	656	656	656	657	655
20	656	656	655	656	656	656	656	656	656	656	656	656	656	655	655	654	654	653	653	653	654	654	654	654	655	656	653
21	654	653	653	653	653	653	653	654	654	654	654	654	653	653	652	652	651	651	651	651	652	652	652	652	653	654	651
22	652	652	652	652	652	653	653	653	654	654	654	654	653	653	653	652	652	652	652	652	652	653	653	654	653	654	652
23	654	654	654	654	654	654	655	655	656	656	656	656	656	655	655	655	654	654	655	655	655	656	656	656	655	656	654
24	655	655	655	655	656	656	656	657	657	657	657	657	656	656	655	655	654	654	654	654	655	655	655	655	655	657	654
25	655	655	654	654	655	655	655	656	656	656	656	655	655	654	654	654	653	653	653	653	653	653	653	653	654	656	653
26	653	652	652	652	652	653	653	653	654	654	654	654	653	653	652	652	652	652	652	652	652	652	652	652	653	654	652
27	652	652	652	652	652	653	653	653	654	654	654	653	653	653	653	652	652	652	652	652	652	653	653	653	653	654	652
28	653	653	653	653	653	653	654	654	654	654	654	654	654	653	653	652	652	652	652	653	654	654	655	655	653	655	652
29	655	655	654	654	655	655	655	656	656	656	656	656	656	655	655	655	654	655	656	656	656	656	656	656	655	656	654
30	656	655	655	655	656	656	656	657	657	657	657	657	657	656	656	655	655	655	655	655	656	656	656	656	656	657	655
31	656	655	655	655	655	656	656	657	657	657	657	656	656	655	655	655	655	655	655	656	656	656	655	655	656	657	655
Avg	654	654	653	654	654	654	654	655	655	655	655	655	654	654	653	653	653	653	653	653	653	654	654	654	654	--	--
Max	656	656	656	656	656	656	656	657	657	657	657	657	657	656	656	656	655	655	656	656	656	656	656	656	--	657	--
Min	652	652	651	651	651	652	652	652	653	653	653	652	652	651	651	651	650	650	650	650	651	651	651	652	--	--	650

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Aug 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	655	654	654	654	654	654	654	655	655	655	655	655	654	654	653	653	652	652	652	653	653	653	653	653	654	655	652
2	653	653	653	653	653	653	653	653	654	654	654	654	653	653	653	652	652	651	652	652	652	652	652	653	653	654	651
3	653	652	652	652	652	653	653	654	654	654	654	654	654	654	653	653	652	652	652	652	653	653	653	653	653	654	652
4	653	653	653	653	653	654	654	654	654	655	655	655	654	654	654	653	653	653	653	653	654	654	654	654	654	655	653
5	654	654	654	654	654	654	655	655	655	655	656	655	655	655	654	654	653	653	653	653	653	654	653	653	654	656	653
6	654	654	654	654	654	654	655	655	655	656	655	655	655	655	654	653	652	652	652	652	653	653	653	653	654	656	652
7	653	653	653	653	653	653	654	654	654	654	654	653	653	653	653	652	652	652	652	652	653	653	653	653	653	654	652
8	653	653	653	653	653	654	654	654	654	654	654	654	654	653	653	653	652	652	652	653	653	653	653	654	653	654	652
9	654	653	653	653	654	654	654	654	655	655	655	655	654	654	653	653	653	653	653	653	654	654	655	655	654	655	653
10	655	654	654	654	654	654	655	655	655	655	655	655	654	653	653	652	652	652	652	652	653	653	653	653	654	655	652
11	653	653	653	653	653	654	654	655	656	656	656	655	655	654	654	654	653	653	653	654	655	656	656	656	654	656	653
12	655	655	655	655	655	656	656	656	657	657	657	657	657	656	656	655	655	655	655	656	656	656	656	656	656	657	655
13	656	656	656	655	655	656	656	656	657	657	657	656	656	656	655	655	654	654	654	654	655	655	655	655	655	657	654
14	655	655	655	655	655	655	656	656	656	656	656	656	656	655	655	654	654	654	654	654	655	655	655	655	655	656	654
15	655	655	655	654	654	655	655	655	655	655	655	655	655	654	654	653	653	653	653	653	653	654	654	654	654	655	653
16	654	654	654	654	654	655	655	655	655	655	655	655	654	654	653	653	652	652	652	652	653	653	653	653	654	655	652
17	652	652	653	653	654	654	655	655	654	654	654	654	654	653	653	652	652	651	651	652	652	653	653	653	653	655	651
18	653	653	653	653	653	653	653	653	654	653	653	653	653	652	652	651	651	651	651	651	651	651	651	652	652	654	651
19	652	652	652	652	652	652	653	653	653	653	654	653	653	653	652	652	652	651	651	651	652	652	652	652	652	654	651
20	652	652	652	652	652	653	653	654	654	654	654	654	653	653	652	652	652	651	651	652	652	652	652	652	653	654	651
21	652	652	652	653	653	653	654	654	654	654	654	654	654	653	653	652	652	652	651	652	652	653	653	653	653	654	651
22	653	653	653	653	653	654	654	655	655	655	655	655	654	654	653	653	653	653	653	653	654	655	654	654	654	655	653
23	654	654	654	654	654	654	655	655	655	656	656	656	655	655	654	653	653	654	654	655	655	655	655	655	655	656	653
24	655	655	655	655	655	655	656	656	656	656	656	656	655	655	654	654	653	653	653	654	654	655	655	655	655	656	653
25	655	655	655	655	655	655	655	656	656	656	656	656	656	655	654	654	654	655	655	655	656	656	656	656	655	656	654
26	655	655	655	655	655	656	656	657	657	657	657	657	656	656	655	655	655	655	655	656	656	656	656	656	656	657	655
27	656	656	656	656	656	656	656	657	657	657	657	657	656	655	655	655	655	655	655	655	655	655	655	655	656	657	655
28	655	655	654	654	654	654	655	655	655	655	655	655	654	654	653	653	653	653	653	653	653	654	653	653	654	655	653
29	653	653	653	653	653	654	654	655	655	655	655	655	654	654	653	653	653	653	653	653	654	655	654	654	654	655	653
30	654	654	654	654	654	654	654	655	655	655	655	655	654	654	653	652	652	652	652	652	653	653	653	653	653	655	652
31	653	653	653	653	653	653	654	654	655	655	655	654	654	653	653	652	652	652	652	653	653	654	656	656	654	656	652
Avg	654	654	654	654	654	654	654	655	655	655	655	655	654	654	654	653	653	653	653	653	653	654	654	654	654	--	--
Max	656	656	656	656	656	656	656	657	657	657	657	657	657	656	656	655	655	655	655	656	656	656	656	656	--	657	--
Min	652	652	652	652	652	652	653	653	653	653	653	653	653	652	652	651	651	651	651	651	651	651	651	652	--	--	651

SAROAD for Resolution, East_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Sep 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	655	654	654	654	654	653	654	654	655	655	655	655	654	654	654	653	653	653	653	654	654	654	654	655	654	655	653
2	655	655	654	654	655	655	655	655	655	656	655	655	655	654	654	653	653	653	653	653	654	654	654	654	654	656	653
3	654	653	653	653	653	653	654	654	654	654	654	654	653	653	652	652	652	652	652	653	653	653	652	652	653	654	652
4	652	652	652	652	652	652	652	653	653	653	653	653	653	652	652	652	652	652	652	652	653	653	653	653	652	653	652
5	653	653	652	652	653	653	653	654	654	654	655	655	654	654	654	654	654	654	653	654	654	654	654	654	654	655	652
6	654	654	654	654	654	654	655	655	655	655	655	655	655	655	654	654	653	653	653	653	654	654	654	654	654	655	653
7	654	654	654	653	653	654	654	655	655	655	655	655	654	653	653	653	653	652	653	653	653	654	653	653	654	655	652
8	653	653	653	653	653	653	654	654	654	655	655	655	654	654	653	652	653	653	653	653	654	654	654	654	653	655	652
9	654	654	654	654	654	654	654	654	654	654	654	654	653	653	653	652	652	652	653	653	653	654	654	654	654	654	652
10	654	654	654	654	654	654	654	655	655	655	655	655	655	655	655	654	654	653	654	654	654	654	654	654	654	655	653
11	654	654	654	654	654	654	654	655	655	655	655	655	655	654	654	653	653	653	654	654	655	655	655	655	654	655	653
12	655	655	655	655	655	655	655	655	656	656	656	656	655	654	653	653	653	653	653	653	653	654	654	653	654	656	653
13	653	653	653	653	653	653	653	653	653	654	653	653	652	652	651	651	650	650	651	652	653	653	653	653	652	654	650
14	652	652	652	652	651	652	652	653	653	653	653	653	653	652	652	651	651	651	651	651	652	652	652	652	652	653	651
15	652	652	652	652	652	653	653	654	654	654	654	654	654	653	653	653	653	652	653	653	653	653	653	654	653	654	652
16	654	654	653	654	654	654	654	655	655	655	655	655	655	654	654	653	653	653	653	653	653	653	653	653	654	655	653
17	653	653	653	653	653	653	653	654	654	654	654	654	653	653	653	652	652	652	652	652	652	652	652	652	653	654	652
18	652	652	652	652	652	652	652	653	653	653	653	653	653	652	652	652	651	651	651	652	652	652	652	651	652	653	651
19	651	651	651	652	652	652	652	652	652	653	653	653	652	652	652	652	652	652	652	653	653	653	654	653	652	654	651
20	653	653	653	653	653	653	654	654	654	655	655	654	653	653	652	652	652	652	652	652	652	652	652	652	653	655	652
21	652	652	652	652	652	652	652	652	652	652	652	651	651	650	650	649	649	650	650	651	651	652	652	652	651	652	649
22	652	652	652	652	652	652	653	653	654	654	654	654	654	653	653	653	652	653	653	653	654	654	653	654	653	654	652
23	653	653	653	653	653	653	654	654	654	655	655	654	654	653	653	652	652	652	652	653	653	653	653	653	653	655	652
24	653	653	653	653	653	653	654	654	654	654	654	654	654	654	653	653	653	653	653	654	654	654	654	654	654	654	653
25	655	655	654	655	655	655	655	656	656	656	656	656	655	655	654	654	654	654	654	654	654	654	654	654	655	656	654
26	655	654	654	654	654	654	654	655	655	655	655	655	654	654	653	653	653	653	653	653	653	653	653	653	654	655	653
27	653	653	652	652	652	653	653	653	654	654	654	654	653	653	652	652	652	652	652	652	652	652	653	652	653	654	652
28	652	652	652	652	652	653	653	653	654	654	654	654	653	653	653	652	652	652	652	652	653	653	653	653	653	654	652
29	653	653	652	652	652	653	653	653	654	654	654	654	653	653	652	652	652	652	652	652	653	653	653	653	653	654	652
30	653	653	653	652	653	653	653	654	654	654	654	654	654	653	653	653	653	653	653	653	653	653	653	653	653	654	652
Avg	653	653	653	653	653	653	653	654	654	654	654	654	654	653	653	653	652	652	652	653	653	653	653	653	653	--	--
Max	655	655	655	655	655	655	655	656	656	656	656	656	655	655	655	654	654	654	654	654	655	655	655	655	--	656	--
Min	651	651	651	652	651	652	652	652	652	652	652	651	651	650	650	649	649	650	650	651	651	652	652	651	--	--	649

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Jul 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	4.5	3.5	1.2	0.7	0.5	0.6	0.8	1.0	1.9	2.9	3.9	2.8	3.9	4.0	4.6	5.2	5.7	5.8	5.9	5.1	3.5	2.5	1.3	0.9	3.0	5.9	0.5
2	1.1	0.6	0.6	0.4	0.3	0.8	0.5	1.2	1.6	3.1	3.8	4.7	5.7	5.8	6.0	6.1	5.9	5.8	5.2	4.0	2.3	0.8	2.1	4.1	3.0	6.1	0.3
3	2.5	1.7	1.4	1.8	5.7	4.0	6.3	7.4	6.5	3.3	2.2	2.1	2.3	2.4	2.3	3.0	3.1	3.2	3.1	1.8	0.7	0.9	1.3	4.1	3.0	7.4	0.7
4	2.0	3.9	4.5	3.4	2.9	2.6	2.1	2.6	2.6	3.5	3.3	4.7	5.5	5.5	5.3	4.7	4.3	3.8	3.0	1.2	1.2	1.1	3.4	3.2	3.3	5.5	1.1
5	1.8	1.4	1.0	0.8	2.2	2.3	2.2	2.6	2.2	1.5	2.9	1.5	2.1	1.5	2.2	4.4	1.3	2.8	2.8	3.1	1.4	0.9	0.4	1.2	1.9	4.4	0.4
6	0.9	0.8	0.3	0.6	0.9	0.7	0.5	1.1	1.0	1.3	3.4	4.0	4.7	4.8	5.0	4.7	4.6	5.1	4.2	3.1	1.7	1.4	1.2	0.5	2.4	5.1	0.3
7	0.9	0.6	0.4	0.4	0.5	0.7	0.8	0.8	1.3	2.6	2.7	2.9	3.5	4.3	5.0	4.8	4.9	4.2	3.9	3.1	0.7	1.1	1.6	2.5	2.3	5.0	0.4
8	2.4	1.3	0.9	0.8	1.8	2.0	1.1	1.2	0.8	1.6	3.1	3.9	4.9	5.8	5.8	6.1	5.4	5.4	5.3	5.8	5.3	4.5	3.0	2.2	3.3	6.1	0.8
9	1.2	1.8	1.5	0.8	0.8	1.2	1.1	2.3	4.6	5.7	6.5	6.1	5.8	6.2	6.7	6.3	7.1	6.2	4.4	3.1	3.2	1.4	1.3	1.9	3.6	7.1	0.8
10	1.5	1.7	1.8	0.9	0.5	1.4	1.1	0.9	2.8	5.4	5.1	5.8	5.9	5.2	5.2	5.2	5.7	5.3	5.3	4.3	0.9	1.5	1.7	0.7	3.2	5.9	0.5
11	0.8	0.7	0.7	0.4	0.5	1.7	2.9	4.6	3.0	3.4	3.8	4.0	3.6	3.1	3.7	4.3	5.1	4.5	4.1	2.8	0.9	1.1	1.1	1.0	2.6	5.1	0.4
12	0.7	1.2	1.6	1.4	1.2	0.4	0.3	0.4	0.6	1.1	1.9	2.1	2.4	3.6	5.1	4.9	5.1	4.2	3.6	4.1	2.5	4.0	4.1	2.2	2.4	5.1	0.3
13	1.4	1.8	2.0	4.3	2.7	3.7	2.4	2.6	2.3	2.9	2.4	2.2	2.8	3.6	4.1	--	--	--	5.7	7.0	4.7	3.8	5.4	6.8	3.6	7.0	1.4
14	6.6	5.7	4.1	2.3	1.4	2.1	2.1	1.3	1.4	2.5	2.1	3.0	2.9	3.4	3.8	4.7	4.7	4.2	4.0	3.4	2.0	3.4	7.4	7.0	3.6	7.4	1.3
15	5.7	5.0	4.6	5.2	5.0	5.9	5.9	3.6	2.6	3.6	3.2	3.0	2.6	2.9	2.9	3.4	4.0	3.7	3.1	2.2	1.1	1.6	1.7	3.9	3.6	5.9	1.1
16	2.8	3.9	4.5	5.0	5.8	3.6	1.2	0.6	1.0	--	--	3.0	3.8	3.9	4.1	4.0	4.1	4.6	3.7	2.4	2.9	3.4	3.7	3.0	3.4	5.8	0.6
17	1.7	0.9	0.5	0.1	0.3	0.2	0.4	1.0	3.4	4.9	5.0	6.4	4.7	1.4	1.2	1.8	1.7	1.3	2.8	1.8	0.7	1.4	1.4	1.8	2.0	6.4	0.1
18	1.0	0.8	0.8	0.7	1.5	2.0	0.5	0.7	1.6	1.4	1.7	2.8	3.4	3.8	3.6	4.7	6.0	3.1	2.5	3.3	3.6	3.7	2.2	1.0	2.4	6.0	0.5
19	1.3	1.4	0.5	0.8	2.9	0.9	0.9	0.8	0.8	1.3	3.2	3.4	3.5	4.2	4.6	4.3	4.2	4.3	3.9	3.1	1.8	1.4	0.7	0.5	2.3	4.6	0.5
20	0.4	0.2	0.7	0.8	0.9	0.5	0.4	0.9	1.2	2.1	3.5	3.7	3.7	3.9	4.2	4.4	4.6	4.5	4.0	3.5	2.0	0.5	0.3	0.9	2.2	4.6	0.2
21	0.4	0.6	0.5	0.5	0.6	0.8	0.4	0.9	0.9	1.9	2.2	3.2	4.0	4.2	3.7	4.0	4.0	4.6	3.7	2.5	0.5	0.4	0.7	0.7	1.9	4.6	0.4
22	0.6	0.5	0.9	0.6	0.9	0.7	1.0	1.0	2.2	2.8	2.7	2.8	3.2	3.3	4.0	4.3	5.0	4.6	3.7	2.4	0.5	0.9	2.7	1.5	2.2	5.0	0.5
23	1.3	1.5	0.9	0.7	1.5	0.7	0.2	0.7	2.2	2.6	2.6	2.6	2.4	2.8	2.2	2.4	2.2	2.1	2.5	2.8	3.4	3.4	3.6	1.8	2.0	3.6	0.2
24	1.3	1.1	0.8	0.5	0.8	0.9	1.4	1.0	1.6	2.2	3.0	3.0	3.4	4.0	4.5	5.0	5.5	6.2	6.0	4.1	1.5	0.3	0.6	0.4	2.5	6.2	0.3
25	0.3	0.5	0.2	0.5	0.8	0.9	1.1	0.8	2.8	1.6	2.1	3.2	3.8	4.6	4.9	5.1	4.9	4.7	3.2	1.2	0.7	0.4	0.5	0.7	2.1	5.1	0.2
26	0.8	0.4	1.0	0.6	1.7	0.4	0.4	0.6	0.7	2.2	4.2	4.3	4.3	4.6	5.5	5.7	6.3	5.1	4.7	2.7	1.3	1.3	0.8	0.3	2.5	6.3	0.3
27	0.6	1.0	0.7	1.1	1.1	0.6	0.5	0.7	1.4	1.6	2.2	2.5	3.3	4.3	4.0	4.0	4.1	4.0	3.7	3.2	1.1	1.6	2.0	0.6	2.1	4.3	0.5
28	0.5	0.5	0.7	0.7	1.3	0.7	0.5	0.5	0.9	1.7	2.1	2.4	3.5	4.0	4.1	4.8	4.8	6.0	4.5	3.8	3.5	2.6	1.8	1.7	2.4	6.0	0.5
29	1.2	1.2	0.8	1.2	0.9	0.5	0.5	0.6	1.1	1.9	3.3	4.6	4.1	4.2	4.5	4.3	4.4	8.5	9.8	4.8	9.7	11.0	7.4	3.6	3.9	11.0	0.5
30	6.0	2.8	3.1	2.9	2.3	2.8	3.2	2.5	3.5	4.4	3.4	3.3	3.0	2.8	2.0	2.0	1.9	1.6	2.0	1.7	0.4	0.9	0.8	0.9	2.5	6.0	0.4
31	1.4	1.7	1.5	3.7	1.2	2.5	2.4	2.0	2.0	2.7	2.4	3.8	3.3	5.6	5.1	3.4	1.3	3.8	2.4	2.1	2.3	1.4	2.1	4.5	2.7	5.6	1.2
Avg	1.8	1.6	1.4	1.5	1.7	1.6	1.5	1.6	2.0	2.7	3.1	3.5	3.7	4.0	4.2	4.4	4.4	4.5	4.1	3.2	2.2	2.1	2.2	2.1	2.7	--	--
Max	6.6	5.7	4.6	5.2	5.8	5.9	6.3	7.4	6.5	5.7	6.5	6.4	5.9	6.2	6.7	6.3	7.1	8.5	9.8	7.0	9.7	11.0	7.4	7.0	--	11.0	--
Min	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.4	0.6	1.1	1.7	1.5	2.1	1.4	1.2	1.8	1.3	1.3	2.0	1.2	0.4	0.3	0.3	0.3	--	--	0.1

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Aug 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	2.8	3.3	2.1	1.1	1.6	1.3	1.0	0.9	1.1	1.5	3.5	3.5	2.3	2.6	3.0	3.8	4.1	5.0	3.6	3.3	2.2	2.8	2.7	3.7	2.6	5.0	0.9
2	4.1	2.8	2.8	3.3	3.8	4.1	3.9	3.5	1.4	2.4	2.4	1.9	3.6	4.8	4.1	5.1	4.9	4.3	4.1	2.1	1.3	1.0	1.8	2.9	3.2	5.1	1.0
3	2.0	3.2	1.6	1.1	1.9	1.7	0.8	0.7	1.5	1.7	2.5	2.4	2.5	3.3	3.8	3.9	4.3	4.4	4.2	2.1	0.8	0.6	0.4	0.8	2.2	4.4	0.4
4	0.4	0.9	0.7	1.3	1.9	0.9	0.7	1.0	1.1	1.4	1.7	3.0	4.0	4.8	5.6	6.0	5.4	4.2	4.5	2.9	1.6	1.4	0.6	0.5	2.4	6.0	0.4
5	0.8	0.6	0.7	1.5	1.0	0.5	0.2	0.3	1.0	1.9	2.6	3.3	4.0	4.3	4.9	5.4	5.5	5.5	4.6	2.8	0.8	0.5	0.5	0.5	2.2	5.5	0.2
6	0.7	0.9	1.1	1.1	1.0	0.7	1.2	2.1	1.0	1.9	2.9	4.3	2.6	3.2	1.6	1.2	1.3	1.8	1.4	0.9	0.9	1.1	1.9	1.4	1.6	4.3	0.7
7	1.1	1.3	1.9	1.2	0.6	0.8	1.5	1.2	1.6	2.0	2.1	3.0	5.1	5.2	7.6	4.7	4.7	3.9	2.1	3.1	1.1	0.7	5.1	4.4	2.7	7.6	0.6
8	4.1	6.7	6.8	7.6	8.2	7.6	6.9	5.2	1.4	2.0	2.9	1.9	2.2	2.7	3.2	4.1	3.9	4.0	3.5	2.6	1.1	1.0	1.2	1.2	3.8	8.2	1.0
9	1.4	1.4	0.9	1.2	2.2	3.8	2.1	0.9	1.2	1.4	1.9	2.2	3.1	3.3	3.2	3.9	4.3	4.1	4.0	3.1	3.4	2.8	1.8	5.1	2.6	5.1	0.9
10	10.0	7.5	4.8	3.4	3.7	2.0	2.3	2.8	1.5	1.5	1.6	1.5	1.6	2.6	3.3	3.7	3.6	3.1	3.4	4.1	2.2	1.9	1.9	2.1	3.2	10.0	1.5
11	1.1	0.8	2.5	3.3	1.6	1.5	3.8	3.5	6.3	8.6	5.3	5.4	3.3	1.7	1.8	2.1	2.8	3.0	3.1	3.4	5.8	4.3	6.6	10.1	3.8	10.1	0.8
12	8.0	6.8	3.7	5.7	6.8	5.8	2.6	3.5	4.4	4.0	4.0	1.9	2.0	2.2	1.5	2.7	4.1	5.0	5.9	2.0	1.2	2.6	1.6	1.4	3.7	8.0	1.2
13	1.1	1.0	1.4	3.4	2.9	3.8	5.9	3.5	2.8	3.4	2.7	4.4	4.9	5.2	4.8	5.5	4.4	3.9	3.2	2.7	3.1	4.1	3.2	1.3	3.4	5.9	1.0
14	1.3	2.6	3.2	2.7	1.7	2.2	2.1	1.5	1.9	1.7	2.1	3.3	4.8	4.4	5.0	5.6	5.3	3.3	1.2	2.5	2.8	1.3	3.3	5.8	3.0	5.8	1.2
15	5.1	1.4	1.3	1.8	2.6	0.6	3.1	1.1	1.0	1.1	2.5	3.2	2.7	3.6	3.3	4.1	3.9	4.3	4.0	1.9	1.6	2.5	1.0	2.4	2.5	5.1	0.6
16	1.8	2.7	1.6	1.1	1.8	2.1	1.2	1.4	1.3	1.7	2.0	3.2	3.7	3.8	4.3	4.5	5.6	5.1	4.8	2.5	1.1	0.7	0.6	1.2	2.5	5.6	0.6
17	0.7	1.0	0.9	1.0	1.4	2.1	2.3	2.2	2.7	3.3	2.9	2.5	2.9	3.1	4.1	5.6	6.1	5.8	5.7	4.2	3.7	1.6	1.7	2.0	2.9	6.1	0.7
18	2.1	1.2	0.8	0.5	0.9	0.6	0.8	0.7	1.3	1.5	2.9	3.4	3.9	4.4	5.1	5.2	5.8	5.5	5.3	3.5	1.8	0.9	0.7	1.7	2.5	5.8	0.5
19	2.2	1.3	0.7	1.2	0.8	0.6	0.6	0.7	0.9	1.4	2.2	3.1	3.6	3.8	4.0	4.7	5.1	4.7	4.1	2.1	1.1	1.4	1.4	0.5	2.2	5.1	0.5
20	0.7	0.9	0.9	0.9	0.7	0.8	0.6	1.2	1.6	2.3	2.5	3.2	3.2	3.8	4.3	4.2	4.0	4.4	4.2	3.9	1.4	1.3	0.5	0.4	2.2	4.4	0.4
21	0.4	0.6	1.0	0.9	0.8	0.6	0.6	0.9	1.7	2.2	2.5	3.0	4.1	4.2	4.8	4.4	5.0	4.8	4.3	2.5	1.2	0.5	0.6	0.4	2.2	5.0	0.4
22	0.8	0.3	1.6	3.5	2.1	1.7	1.0	1.8	3.2	3.0	3.0	3.5	4.4	4.1	4.3	4.2	4.3	4.4	3.7	2.8	3.1	2.8	1.8	1.1	2.8	4.4	0.3
23	0.9	1.1	0.7	0.6	0.6	0.6	0.3	0.7	0.7	1.3	1.8	1.5	2.5	3.8	3.7	4.6	5.9	9.3	3.4	3.5	5.6	5.0	1.6	1.0	2.5	9.3	0.3
24	1.2	3.8	4.6	4.0	2.2	2.2	3.0	2.0	5.0	3.3	1.8	2.8	2.1	3.1	3.1	2.4	2.3	3.3	3.8	2.7	2.3	3.1	3.4	3.0	2.9	5.0	1.2
25	2.9	4.0	3.6	6.2	4.3	5.9	5.7	5.2	3.0	1.6	3.3	3.8	3.3	3.6	2.7	4.1	4.2	1.9	1.6	3.0	4.5	5.0	6.2	6.4	4.0	6.4	1.6
26	4.9	4.9	5.2	3.8	2.9	2.3	2.4	2.5	3.3	2.9	2.2	2.1	2.6	2.6	2.7	2.8	2.6	3.9	4.0	5.1	6.3	3.5	3.9	2.7	3.4	6.3	2.1
27	1.2	2.4	0.7	1.1	0.9	1.3	1.7	1.2	1.4	1.5	2.5	3.8	2.8	3.5	3.4	8.4	7.6	3.3	4.5	3.7	4.9	3.0	4.1	3.2	3.0	8.4	0.7
28	3.6	3.4	3.2	2.0	3.3	2.0	2.1	0.9	0.8	1.1	1.5	1.8	2.1	2.6	3.6	4.5	3.9	3.2	3.1	1.3	0.4	0.9	0.3	0.2	2.2	4.5	0.2
29	0.5	0.7	0.8	1.6	2.1	1.7	4.0	2.6	2.2	2.0	2.0	2.4	2.7	2.5	3.6	4.2	2.3	3.0	3.1	2.3	2.3	2.6	4.7	4.9	2.5	4.9	0.5
30	6.2	3.9	3.6	2.6	1.3	1.8	2.3	2.0	2.5	2.9	1.9	3.0	2.9	3.0	2.7	3.8	3.2	2.8	2.3	0.8	2.7	3.9	2.4	2.3	2.8	6.2	0.8
31	1.1	0.9	0.7	1.9	1.3	0.8	1.8	2.5	1.3	1.5	2.0	1.9	2.1	3.2	4.2	4.2	3.9	3.1	4.5	7.9	10.1	7.6	4.0	7.0	3.3	10.1	0.7
Avg	2.4	2.4	2.1	2.3	2.2	2.1	2.2	1.9	2.0	2.3	2.5	2.9	3.2	3.5	3.8	4.3	4.3	4.1	3.7	2.9	2.7	2.3	2.3	2.6	2.8	--	--
Max	10.0	7.5	6.8	7.6	8.2	7.6	6.9	5.2	6.3	8.6	5.3	5.4	5.1	5.2	7.6	8.4	7.6	9.3	5.9	7.9	10.1	7.6	6.6	10.1	--	10.1	--
Min	0.4	0.3	0.7	0.5	0.6	0.5	0.2	0.3	0.7	1.1	1.5	1.5	1.6	1.7	1.5	1.2	1.3	1.8	1.2	0.8	0.4	0.5	0.3	0.2	--	--	0.2

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WS_ms_10m"
Month: Sep 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	9.1	7.0	2.7	4.8	3.3	5.3	3.5	4.4	3.3	2.2	1.5	2.7	3.0	2.8	1.8	1.8	2.3	2.6	2.3	1.0	1.5	1.3	3.0	5.1	3.3	9.1	1.0
2	4.3	3.3	1.1	1.3	0.5	0.5	0.7	0.6	1.1	1.3	1.4	2.3	2.4	3.0	4.0	4.8	3.3	2.0	1.0	1.6	3.2	4.2	1.8	2.4	2.2	4.8	0.5
3	3.0	4.5	4.5	3.0	3.2	4.6	5.3	5.3	3.4	1.3	1.9	1.8	1.8	3.7	2.6	2.5	1.8	4.6	3.1	2.7	1.4	1.8	0.6	1.1	2.9	5.3	0.6
4	3.2	0.9	1.1	1.2	4.1	1.3	2.7	1.6	1.2	2.2	2.3	2.2	3.6	3.4	2.9	3.0	4.4	4.2	6.3	2.6	0.8	0.7	2.0	2.9	2.5	6.3	0.7
5	1.9	1.4	1.6	1.8	1.4	1.5	2.3	1.8	2.5	3.3	4.1	5.3	4.9	3.3	4.2	4.9	4.0	2.6	2.4	1.9	2.9	3.0	3.1	2.8	2.9	5.3	1.4
6	3.2	3.9	3.5	3.6	2.4	1.5	1.4	1.2	1.3	1.8	1.9	1.6	2.0	2.3	2.4	2.1	2.5	3.2	2.8	0.6	0.5	0.7	0.5	0.2	2.0	3.9	0.2
7	0.3	1.1	1.4	1.9	2.0	1.9	1.5	1.2	1.3	1.2	2.9	3.6	2.8	3.4	4.9	4.8	4.4	3.7	2.9	3.9	5.6	3.7	1.4	1.2	2.6	5.6	0.3
8	1.4	0.9	0.7	1.2	1.7	2.7	1.0	3.3	1.4	1.4	2.9	3.9	2.9	2.6	4.0	3.2	3.2	2.9	1.9	0.6	1.8	1.1	0.7	2.0	2.1	4.0	0.6
9	2.0	1.6	0.5	0.5	0.7	0.6	2.7	1.2	0.7	1.0	1.5	2.2	3.8	3.5	3.5	3.1	3.4	3.2	2.8	2.0	0.8	0.6	0.4	0.8	1.8	3.8	0.4
10	0.5	0.8	1.1	2.0	1.0	0.9	1.1	1.0	1.2	0.9	1.1	1.0	3.7	3.5	3.5	3.5	3.0	2.4	2.0	1.3	0.4	0.7	0.3	0.5	1.6	3.7	0.3
11	0.5	0.9	0.8	0.9	0.6	2.7	1.1	0.6	1.0	1.2	1.9	2.7	3.0	3.2	4.0	4.5	3.9	4.2	3.1	1.3	0.3	0.4	0.6	1.6	1.9	4.5	0.3
12	1.9	1.0	2.0	3.7	2.0	0.6	0.7	0.8	0.9	1.3	1.8	4.0	4.1	3.6	3.1	4.1	3.9	1.1	1.4	2.0	1.3	1.4	0.5	1.0	2.0	4.1	0.5
13	0.9	0.3	0.7	0.7	1.2	3.2	1.6	2.8	2.0	1.4	2.7	2.3	3.6	4.8	4.8	3.8	3.2	2.9	4.0	7.3	8.0	3.1	2.4	2.3	2.9	8.0	0.3
14	2.1	2.7	1.6	2.9	4.4	4.3	1.3	1.6	1.6	1.1	2.4	3.5	3.4	3.7	3.9	3.7	4.3	3.2	2.5	1.3	3.2	2.1	1.2	1.1	2.6	4.4	1.1
15	0.9	0.5	0.9	0.7	1.1	1.0	2.3	2.4	3.8	5.1	4.7	4.8	4.5	5.7	5.2	4.5	4.2	5.2	4.2	4.6	3.0	1.4	2.0	1.2	3.1	5.7	0.5
16	0.7	1.9	1.2	0.6	0.8	0.9	0.8	1.4	2.5	4.3	3.6	4.5	4.3	4.8	5.5	5.6	5.5	4.9	3.4	1.3	0.5	0.8	0.6	0.9	2.6	5.6	0.5
17	0.8	1.1	0.4	0.6	1.2	1.1	1.8	1.7	0.9	1.3	2.7	3.5	4.1	5.5	4.6	5.1	5.1	3.3	2.1	1.2	0.9	0.6	1.2	0.9	2.2	5.5	0.4
18	0.8	0.6	0.7	0.2	0.4	0.4	0.7	1.0	1.0	1.5	2.4	2.7	2.8	3.8	3.6	3.9	4.0	3.8	2.3	0.8	0.6	1.0	0.6	0.5	1.7	4.0	0.2
19	0.5	0.7	0.9	4.1	1.4	2.8	0.9	2.4	1.2	1.4	2.4	2.7	3.5	3.6	3.5	3.2	6.4	6.9	5.9	2.8	4.4	7.0	7.6	2.9	3.3	7.6	0.5
20	3.5	3.3	3.1	3.4	6.0	4.5	1.6	1.5	1.9	1.9	2.7	2.1	2.5	2.5	3.0	3.0	3.4	3.2	2.8	1.1	0.8	1.6	2.6	2.0	2.7	6.0	0.8
21	0.7	1.4	1.2	0.5	0.8	1.3	1.0	0.9	1.1	3.5	2.5	5.9	10.0	10.1	8.8	8.2	11.0	12.0	10.4	5.3	2.7	1.5	1.1	1.3	4.3	12.0	0.5
22	0.8	1.1	0.8	1.2	0.7	0.6	0.8	0.4	0.6	0.7	1.5	1.6	1.2	1.7	3.5	2.9	2.8	2.5	1.0	1.1	1.2	1.8	3.8	1.6	1.5	3.8	0.4
23	2.0	3.2	2.6	2.3	3.7	4.4	4.2	2.2	1.1	1.3	1.7	1.8	2.2	2.1	2.8	3.0	4.1	3.4	2.6	1.4	0.3	0.3	0.7	0.6	2.3	4.4	0.3
24	0.5	0.6	0.8	0.9	2.3	1.5	0.9	2.5	1.3	1.3	2.1	2.7	2.1	4.8	4.0	2.3	4.0	3.3	2.4	3.8	5.7	5.1	5.3	5.7	2.8	5.7	0.5
25	5.2	5.1	2.9	3.6	2.7	3.4	2.7	1.8	2.5	3.0	5.4	7.1	4.9	3.9	4.3	6.3	4.4	4.9	4.1	5.6	4.6	2.2	2.9	2.9	4.0	7.1	1.8
26	4.6	4.9	4.7	4.2	4.4	5.0	4.2	3.2	6.6	8.5	7.2	5.0	5.4	4.5	4.0	3.9	3.5	3.0	2.4	3.9	4.8	5.0	5.2	5.2	4.7	8.5	2.4
27	5.4	5.8	5.7	6.4	3.6	2.3	4.3	3.1	1.7	1.7	1.7	3.8	3.1	2.6	3.1	3.5	3.8	3.5	1.9	0.9	0.6	0.5	0.6	0.8	2.9	6.4	0.5
28	1.0	0.9	1.1	1.0	0.8	1.7	0.8	1.0	0.9	1.4	1.7	2.6	3.5	3.7	4.0	3.6	4.0	3.3	1.7	0.8	0.2	0.5	0.6	0.6	1.7	4.0	0.2
29	0.6	0.1	0.5	0.3	0.9	0.6	0.5	0.4	0.7	1.3	2.1	2.8	3.0	3.1	3.5	3.7	3.3	3.5	2.0	0.6	0.8	0.5	0.6	0.6	1.5	3.7	0.1
30	0.7	1.8	1.2	0.8	1.3	1.1	3.7	4.0	1.4	1.1	1.3	3.3	3.9	3.7	3.9	3.4	3.6	2.9	1.8	2.5	1.7	2.4	1.1	1.8	2.3	4.0	0.7
Avg	2.1	2.1	1.7	2.0	2.0	2.1	1.9	1.9	1.7	2.0	2.5	3.2	3.5	3.8	3.9	3.9	4.0	3.7	3.0	2.3	2.2	1.9	1.8	1.8	2.6	--	--
Max	9.1	7.0	5.7	6.4	6.0	5.3	5.3	5.3	6.6	8.5	7.2	7.1	10.0	10.1	8.8	8.2	11.0	12.0	10.4	7.3	8.0	7.0	7.6	5.7	--	12.0	--
Min	0.3	0.1	0.4	0.2	0.4	0.4	0.5	0.4	0.6	0.7	1.1	1.0	1.2	1.7	1.8	1.8	1.8	1.1	1.0	0.6	0.2	0.3	0.3	0.2	--	--	0.1

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Jul 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	214	229	185	268	42	292	200	162	240	256	258	257	257	241	256	272	265	257	263	262	262	262	279	296	253	296	42
2	330	332	28	335	349	313	320	225	242	262	261	256	256	258	260	256	258	259	266	267	264	305	355	345	287	355	28
3	74	46	333	66	77	93	63	56	71	58	132	193	306	240	232	259	266	253	265	265	346	42	43	30	26	346	30
4	272	78	83	76	75	111	138	174	145	142	176	202	241	261	259	262	257	274	214	144	105	60	80	80	153	274	60
5	76	141	33	96	159	132	149	155	158	184	260	152	93	141	218	204	177	189	165	65	235	316	336	266	160	336	33
6	60	96	177	122	16	295	338	96	126	253	279	261	246	261	260	255	244	259	263	253	228	98	319	216	252	338	16
7	45	352	335	340	42	13	79	111	108	242	250	242	253	250	255	259	268	267	281	278	354	48	60	49	320	354	13
8	69	26	351	45	75	75	83	111	233	138	230	231	222	228	236	229	227	222	216	244	239	242	234	234	217	351	26
9	237	260	210	174	78	62	110	163	188	192	204	214	206	227	239	226	244	232	173	194	197	250	323	310	211	323	62
10	291	332	25	163	20	44	73	175	197	165	195	194	197	212	240	246	242	226	234	246	130	147	243	154	204	332	20
11	153	87	97	295	307	188	186	64	109	129	169	188	202	233	243	267	256	255	249	266	286	36	4	85	210	307	4
12	84	58	51	43	31	26	263	189	160	174	255	224	283	276	280	264	259	256	229	88	27	40	68	74	331	283	26
13	343	345	97	79	163	58	328	161	122	188	177	180	244	252	271	--	--	--	87	71	102	86	67	65	106	345	58
14	69	56	250	212	0	138	74	66	176	146	117	205	235	214	219	249	251	227	230	196	188	185	34	77	183	251	0
15	83	93	86	84	87	77	80	87	102	168	160	197	248	229	230	238	274	259	251	259	346	30	135	117	139	346	30
16	142	78	67	71	70	82	11	158	221	--	--	235	247	249	259	239	254	250	273	63	121	178	170	264	193	273	11
17	50	114	51	65	316	344	275	224	184	131	82	53	66	148	230	192	192	230	183	225	277	4	265	304	199	344	4
18	319	310	331	159	341	329	99	97	174	192	205	293	226	247	248	241	233	271	250	261	267	295	264	218	256	341	97
19	164	298	193	74	25	224	243	207	239	223	264	257	273	265	256	256	272	270	258	252	267	272	306	305	257	306	25
20	290	95	20	45	56	2	275	167	204	231	242	248	265	244	241	261	260	258	264	269	288	317	47	53	275	317	2
21	17	33	280	231	360	50	301	170	256	172	180	260	252	253	268	262	259	267	266	252	320	359	258	32	275	360	17
22	21	203	346	21	32	26	55	115	241	238	263	241	240	277	253	263	256	239	246	277	339	112	151	181	263	346	21
23	203	268	154	349	322	348	173	182	252	264	229	233	241	264	248	225	240	162	158	177	159	203	300	326	231	349	154
24	82	215	179	222	230	254	312	291	274	260	253	261	277	249	267	255	266	259	259	264	288	359	23	311	266	359	23
25	217	328	28	16	41	1	311	221	183	205	178	263	247	244	259	255	259	261	262	278	332	346	351	350	284	351	1
26	342	2	28	39	44	340	264	142	187	244	272	265	264	263	263	266	267	263	270	270	309	347	329	359	296	359	2
27	60	346	319	329	330	14	73	208	197	212	196	211	260	252	248	279	270	283	269	283	302	14	25	85	288	346	14
28	297	358	294	300	308	261	129	191	214	275	282	282	256	246	259	249	265	263	252	256	180	49	4	273	269	358	4
29	279	51	55	108	54	88	54	110	244	236	270	262	248	265	261	264	257	354	75	75	73	73	83	120	54	354	51
30	59	184	35	26	318	349	241	234	80	100	60	167	106	167	143	180	191	320	231	279	333	17	7	10	47	349	7
31	58	53	48	71	26	33	51	239	305	118	131	157	162	320	322	210	239	123	249	136	4	78	129	64	80	322	4
Avg	38	29	33	53	26	25	54	160	192	198	217	229	243	244	250	247	250	253	242	249	289	16	1	12	250	--	--
Max	343	358	351	349	360	349	338	291	305	275	282	293	306	320	322	279	274	354	281	283	354	359	355	359	--	360	--
Min	17	2	20	16	0	1	11	56	71	58	60	53	66	141	143	180	177	123	75	63	4	4	4	10	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Aug 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	58	99	278	293	345	307	309	286	226	161	164	173	185	189	229	232	257	257	264	258	6	84	85	93	241	345	6
2	66	40	85	86	86	82	86	80	143	176	189	161	268	251	274	257	250	263	292	288	9	41	46	44	72	292	9
3	26	54	0	43	48	41	34	99	172	173	211	208	223	211	266	280	262	250	259	251	47	320	329	294	293	329	0
4	71	355	358	52	51	50	27	74	154	125	169	250	262	264	267	255	271	266	282	292	352	344	293	264	313	358	27
5	295	244	329	45	30	309	252	117	113	194	262	243	252	254	263	274	274	274	262	271	330	28	346	275	282	346	28
6	310	289	56	307	73	56	279	289	115	196	203	225	228	231	283	284	292	251	217	233	111	53	63	94	258	310	53
7	103	109	111	100	311	281	238	226	236	184	256	233	238	255	94	72	76	66	182	78	181	149	53	98	152	311	53
8	87	65	71	64	66	65	64	79	180	169	190	225	183	221	223	259	274	250	266	271	333	20	64	38	117	333	20
9	42	79	304	327	77	84	97	130	201	203	182	218	234	245	242	248	251	253	257	251	176	162	165	94	202	327	42
10	60	65	140	94	83	118	121	92	178	192	203	218	130	220	190	217	213	217	234	173	158	83	91	68	149	234	60
11	174	114	99	80	98	20	68	80	106	117	99	66	59	27	248	230	241	249	266	251	100	74	69	62	92	266	20
12	76	53	41	40	44	38	64	195	101	78	63	93	114	77	314	112	179	172	163	96	352	66	61	20	76	352	20
13	336	345	30	53	70	85	77	24	333	86	82	127	140	156	174	167	172	178	171	136	92	69	63	48	92	345	24
14	69	79	72	82	97	44	129	288	283	217	178	107	185	177	204	210	300	360	124	20	257	331	67	78	105	360	20
15	63	292	71	61	59	258	52	246	178	164	208	251	221	252	250	241	266	258	276	290	354	37	170	80	251	354	37
16	30	38	75	217	227	272	214	212	144	211	258	246	256	259	257	256	259	277	271	265	325	347	316	297	264	347	30
17	300	291	242	191	208	228	286	286	280	249	260	237	230	277	245	250	265	273	277	281	278	262	256	264	260	300	191
18	249	165	197	173	257	354	39	131	258	192	251	252	251	257	262	268	254	272	273	275	284	308	328	322	260	354	39
19	317	212	177	45	40	353	33	109	212	212	252	271	253	247	239	266	253	262	261	290	329	360	347	130	273	360	33
20	29	296	331	281	68	18	61	93	145	219	268	252	244	251	262	244	280	253	266	239	232	328	13	302	281	331	13
21	358	96	107	54	324	311	319	245	221	245	242	219	250	239	243	255	256	252	266	273	306	40	340	267	273	358	40
22	263	250	262	241	225	203	220	240	250	254	263	265	255	260	250	246	271	266	263	273	174	163	111	310	246	310	111
23	9	347	42	352	227	297	305	209	151	182	158	249	219	264	251	266	335	65	211	148	80	87	128	68	230	352	9
24	335	88	74	34	273	229	79	257	53	54	204	176	289	173	188	286	241	256	276	333	85	120	118	65	178	335	34
25	119	174	143	61	82	68	69	58	49	303	94	92	145	194	229	238	59	47	336	85	55	80	79	66	84	336	47
26	84	86	94	29	291	78	52	61	54	52	302	209	256	232	221	219	253	266	251	102	70	96	81	89	81	302	29
27	265	7	301	307	338	33	38	138	157	202	204	194	171	295	65	31	52	106	72	97	75	100	128	98	84	338	7
28	74	91	58	64	58	46	28	302	150	194	188	221	274	247	232	228	247	242	264	305	20	7	358	78	317	358	7
29	304	336	327	64	46	36	79	128	179	179	128	178	179	218	88	3	94	85	106	46	165	116	69	65	94	336	3
30	57	122	188	210	35	210	141	127	104	92	125	165	203	213	182	229	258	231	204	123	151	258	177	82	166	258	35
31	300	94	15	72	134	85	96	134	186	190	188	244	179	225	254	266	241	230	216	72	70	78	60	83	150	300	15
Avg	25	59	55	50	50	27	57	137	167	183	201	212	220	235	239	250	258	252	249	267	37	51	58	55	223	--	--
Max	358	355	358	352	345	354	319	302	333	303	302	271	289	295	314	286	335	360	336	333	354	360	358	322	--	360	--
Min	9	7	0	29	30	18	27	24	49	52	63	66	59	27	65	3	52	47	72	20	6	7	13	20	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, WD_10m"
Month: Sep 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	60	91	97	71	122	79	85	84	84	116	188	155	212	220	197	192	196	242	261	346	24	54	61	135	118	346	24
2	111	34	331	41	296	20	290	26	205	204	213	203	179	182	206	252	260	226	191	45	60	60	125	168	195	331	20
3	71	63	58	47	114	86	69	69	80	145	211	202	163	171	186	166	188	178	171	176	148	123	22	121	129	211	22
4	100	318	296	323	90	140	72	132	134	186	203	217	198	204	172	195	175	128	59	97	177	231	91	109	153	323	59
5	63	211	197	180	236	288	75	43	107	123	109	87	70	89	139	169	184	172	161	114	91	63	62	94	120	288	43
6	86	87	96	98	125	71	57	239	221	238	233	184	196	177	249	184	216	255	271	293	8	35	188	291	196	293	8
7	37	349	31	25	331	35	171	57	272	245	262	254	223	232	267	251	251	275	350	12	50	81	258	79	314	350	12
8	52	148	293	30	56	75	358	74	61	191	127	193	208	187	277	267	223	254	241	202	354	311	61	275	240	358	30
9	313	336	186	19	304	63	74	206	202	219	278	223	243	251	265	266	262	256	269	268	245	264	122	26	261	336	19
10	49	16	278	346	4	329	38	160	248	95	235	171	248	253	259	275	278	283	282	278	279	346	77	343	298	346	4
11	328	311	289	10	337	64	149	211	187	151	230	248	247	237	246	261	259	269	265	298	24	359	44	47	281	359	10
12	51	355	58	78	79	289	328	259	167	189	185	145	196	206	224	355	349	28	30	9	89	357	143	7	41	357	7
13	67	349	59	55	99	68	306	103	171	222	229	245	242	274	256	237	268	276	191	79	78	61	97	359	108	359	55
14	346	2	40	63	79	89	333	205	187	192	179	231	218	236	247	240	252	219	158	146	173	214	191	195	201	346	2
15	145	213	183	201	196	174	197	203	189	188	210	224	221	237	257	241	227	222	222	208	195	223	212	191	208	257	145
16	115	137	137	279	88	91	32	91	129	172	207	209	248	247	231	227	249	256	233	160	140	216	56	54	175	279	32
17	65	50	340	345	44	56	54	94	127	206	171	224	219	254	234	250	261	244	245	287	24	291	3	5	303	345	3
18	22	354	18	351	0	33	10	60	200	200	236	199	195	276	279	269	268	266	273	331	7	51	337	318	317	354	0
19	135	285	102	66	25	84	8	84	266	203	264	254	263	268	265	241	147	147	131	120	73	57	51	276	140	285	8
20	171	260	180	84	72	69	333	180	120	170	124	156	184	170	220	191	240	274	286	355	48	48	71	166	157	355	48
21	349	287	332	5	318	320	324	326	190	110	104	63	52	65	68	44	50	65	65	85	90	297	75	79	38	349	5
22	180	211	242	164	109	14	129	200	221	155	147	100	178	106	173	168	159	164	169	300	145	178	76	107	159	300	14
23	37	68	54	117	95	75	74	105	241	260	262	248	164	199	215	240	250	264	286	343	351	48	344	289	292	351	37
24	3	339	28	44	93	61	76	67	164	306	69	81	217	192	154	143	153	148	76	83	77	74	76	77	86	339	3
25	78	67	71	57	94	75	62	282	276	165	169	157	94	78	162	143	113	66	141	134	125	80	88	89	104	282	57
26	72	81	87	94	66	72	86	100	70	67	59	88	117	144	171	161	114	130	107	75	60	65	66	71	91	171	59
27	78	81	81	86	110	41	103	85	140	135	172	205	200	212	308	256	270	267	288	350	350	304	303	288	172	350	41
28	284	319	340	358	70	37	293	309	187	196	182	249	270	242	260	267	266	281	292	352	68	304	282	279	288	358	37
29	302	321	308	341	330	16	350	190	151	189	239	257	225	225	222	240	244	250	273	316	353	342	281	294	278	353	16
30	344	46	3	326	54	345	70	95	180	180	193	192	208	188	225	243	252	297	347	41	117	49	35	67	43	347	3
Avg	55	9	31	40	63	53	43	113	174	181	197	198	206	211	227	227	231	239	241	15	67	25	64	49	164	--	--
Max	349	355	340	358	337	345	358	326	276	306	278	257	270	276	308	355	349	297	350	355	354	359	344	359	--	359	--
Min	3	2	3	5	0	14	8	26	61	67	59	63	52	65	68	44	50	28	30	9	7	35	3	5	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Jul 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	-0.15	-0.22	-0.24	-0.12	-0.16	0.00	-0.46	-0.86	-0.82	-0.88	-1.07	-0.90	-1.11	-1.59	-1.22	-1.01	-0.80	-0.50	-0.29	-0.18	-0.12	-0.12	-0.04	-0.02	-0.54	0.00	-1.59
2	-0.01	0.07	0.31	0.49	0.48	0.49	-0.07	-0.80	-0.88	-0.73	-0.93	-0.99	-1.22	-1.32	-1.18	-1.10	-0.88	-0.72	-0.44	-0.15	-0.04	0.05	-0.01	0.02	-0.40	0.49	-1.32
3	0.70	0.53	0.13	0.57	0.74	0.30	0.20	0.12	-0.03	-0.44	-0.90	-0.57	-0.45	-0.82	-0.81	-0.71	-0.67	-0.57	-0.24	0.05	0.40	1.20	1.21	0.39	0.01	1.21	-0.90
4	0.39	0.44	0.44	0.41	0.42	0.08	-0.03	-0.39	-0.99	-1.34	-1.66	-2.09	-1.49	-1.18	-1.28	-0.83	-0.53	-0.31	-0.36	-0.24	-0.11	0.14	0.02	0.01	-0.44	0.44	-2.09
5	0.04	0.03	0.30	0.30	0.01	-0.04	-0.17	-0.50	-0.62	-0.69	-0.54	-0.52	-0.85	-1.47	-1.01	-0.84	-0.78	-0.88	-0.53	-0.11	0.05	-0.02	-0.13	-0.15	-0.38	0.30	-1.47
6	-0.02	-0.21	-0.12	-0.24	0.19	0.20	-0.23	-1.16	-1.14	-0.82	-0.90	-0.99	-1.33	-1.09	-1.09	-1.18	-1.16	-0.67	-0.26	-0.15	-0.07	-0.03	0.01	0.09	-0.52	0.20	-1.33
7	0.28	0.46	0.49	0.58	0.37	0.53	-0.20	-0.92	-1.36	-0.99	-1.11	-1.43	-1.13	-1.46	-1.31	-1.02	-0.88	-0.72	-0.42	-0.06	0.58	1.08	1.00	0.86	-0.28	1.08	-1.46
8	0.57	0.93	1.58	1.43	0.94	0.68	0.20	-0.99	-0.68	-1.41	-1.32	-1.49	-1.79	-1.94	-1.39	-1.75	-1.25	-1.01	-0.56	-0.17	-0.13	-0.14	-0.13	-0.12	-0.41	1.58	-1.94
9	-0.16	-0.13	-0.17	-0.15	0.19	0.38	-0.37	-0.60	-1.01	-1.24	-1.51	-1.34	-1.92	-1.69	-1.11	-1.62	-1.14	-0.82	-0.30	-0.19	-0.10	0.04	0.12	0.24	-0.61	0.38	-1.92
10	0.31	0.21	0.23	0.29	0.47	0.73	-0.04	-0.79	-1.09	-1.85	-2.24	-1.95	-2.36	-2.24	-1.74	-1.37	-1.17	-1.16	-0.57	-0.17	0.06	0.11	-0.05	0.03	-0.68	0.73	-2.36
11	0.15	0.27	0.13	0.13	0.28	0.14	-0.29	-0.91	-1.62	-1.86	-2.03	-2.08	-1.96	-1.60	-1.56	-1.12	-1.19	-0.89	-0.61	-0.20	0.17	0.99	0.57	0.52	-0.61	0.99	-2.08
12	0.48	0.57	0.84	1.13	1.28	1.35	0.23	-0.44	-0.77	-1.11	-0.91	-1.46	-1.50	-1.28	-1.28	-1.07	-1.12	-0.87	-0.62	-0.37	-0.20	-0.13	-0.01	0.11	-0.30	1.35	-1.50
13	0.15	0.11	0.28	0.04	-0.03	-0.01	-0.11	-0.74	-1.35	-1.72	-1.56	-1.71	-1.66	-1.17	-1.21	--	--	--	-2.23	-1.88	-1.89	-1.73	-1.49	-1.49	-1.02	0.28	-2.23
14	-1.35	-1.28	-1.29	-1.33	-1.22	-1.26	-1.44	-1.74	-1.20	-1.55	-1.74	-1.85	-1.54	-1.77	-1.82	-1.33	-0.96	-0.97	-0.50	-0.25	-0.16	-0.13	0.48	0.29	-1.08	0.48	-1.85
15	0.46	0.37	0.35	0.39	0.34	0.28	0.14	-0.26	-0.83	-1.70	-2.04	-1.57	-1.32	-1.31	-1.67	-1.30	-0.76	-0.66	-0.46	-0.14	0.25	0.67	0.09	0.06	-0.44	0.67	-2.04
16	-0.03	0.03	0.07	0.12	0.16	0.25	-0.06	-0.50	-0.68	--	--	-0.95	-1.23	-1.08	-0.97	-1.07	-0.80	-0.62	-0.21	0.11	0.25	0.23	0.13	0.07	-0.31	0.25	-1.23
17	0.16	0.19	0.10	0.20	0.43	0.51	0.20	-0.16	-0.40	-0.65	-0.56	-0.32	-0.34	-0.37	-0.39	-1.08	-0.94	-0.17	-0.19	0.09	0.22	0.53	0.12	0.10	-0.11	0.53	-1.08
18	0.08	0.19	0.42	0.23	0.23	0.20	-0.13	-0.62	-0.79	-0.82	-0.88	-1.01	-1.74	-1.30	-1.20	-0.84	-0.64	-0.34	-0.30	-0.14	-0.14	-0.13	-0.09	-0.02	-0.41	0.42	-1.74
19	-0.05	0.08	0.19	0.23	0.35	0.03	-0.16	-0.27	-0.29	-0.83	-0.82	-0.86	-1.01	-1.23	-1.01	-0.96	-0.70	-0.61	-0.35	-0.09	0.01	0.06	0.06	0.14	-0.34	0.35	-1.23
20	0.20	0.16	0.34	0.43	0.62	0.45	0.06	-0.80	-0.67	-0.83	-0.99	-1.15	-1.15	-1.33	-1.41	-0.96	-0.75	-0.59	-0.28	0.02	0.15	0.28	0.75	1.02	-0.27	1.02	-1.41
21	1.13	0.84	0.66	0.51	1.12	0.94	0.27	-0.44	-0.56	-1.38	-1.69	-1.04	-1.02	-0.92	-0.95	-0.83	-0.66	-0.52	-0.23	0.07	0.53	0.74	0.59	1.06	-0.07	1.13	-1.69
22	1.25	0.72	0.63	1.06	1.46	1.44	0.53	-0.63	-0.42	-0.69	-0.83	-0.93	-1.09	-1.04	-1.21	-0.80	-0.83	-0.77	-0.28	0.12	0.45	0.53	0.32	0.26	-0.03	1.46	-1.21
23	0.32	0.49	0.42	0.54	0.45	0.43	0.11	-0.45	-0.52	-0.57	-0.90	-0.75	-0.66	-0.25	-0.61	-0.92	-0.85	-0.76	-0.31	-0.09	0.08	-0.13	-0.08	-0.03	-0.21	0.54	-0.92
24	-0.03	0.00	-0.04	0.07	0.06	0.11	0.05	-0.13	-0.31	-0.48	-0.85	-0.57	-0.99	-1.06	-0.91	-0.98	-0.68	-0.48	-0.18	0.10	0.28	0.76	1.22	1.15	-0.16	1.22	-1.06
25	0.80	1.01	0.85	1.54	1.66	0.99	0.31	-0.12	-0.85	-0.99	-1.47	-0.89	-1.08	-1.38	-0.78	-0.51	-0.65	-0.27	-0.01	0.34	0.68	1.14	1.59	1.95	0.16	1.95	-1.47
26	2.30	2.21	2.57	2.08	2.22	1.64	0.64	-0.35	-0.64	-0.62	-0.65	-0.86	-0.74	-0.91	-1.01	-0.84	-0.59	-0.37	-0.07	0.18	0.43	0.54	1.27	1.71	0.42	2.57	-1.01
27	1.95	0.99	0.67	0.67	0.51	0.90	0.48	-0.30	-0.97	-1.10	-1.26	-1.47	-0.81	-1.00	-1.17	-0.88	-0.54	-0.46	-0.23	0.12	0.42	0.67	0.51	0.55	-0.07	1.95	-1.47
28	0.79	0.74	0.39	0.30	0.32	0.30	-0.06	-0.23	-0.44	-0.64	-0.75	-1.02	-1.17	-1.11	-0.91	-1.03	-0.74	-0.49	-0.16	-0.01	0.91	1.78	0.79	0.41	-0.08	1.78	-1.17
29	0.25	0.36	0.37	0.33	0.53	0.29	0.16	-0.43	-0.16	-0.61	-0.57	-0.70	-1.24	-1.04	-1.00	-0.63	-0.65	-0.55	0.19	0.69	1.05	0.42	0.42	0.26	-0.10	1.05	-1.24
30	0.34	0.46	0.54	0.51	0.58	0.41	0.33	0.01	-0.55	-1.05	-1.22	-1.47	-1.75	-1.65	-1.43	-1.03	-0.91	-0.35	-0.24	0.35	0.88	1.66	1.46	1.06	-0.13	1.66	-1.75
31	1.01	1.17	0.91	0.76	0.92	0.84	0.70	-0.24	-0.45	-0.89	-1.20	-1.88	-1.88	-1.18	-0.80	-0.26	-0.09	0.10	0.18	0.22	0.48	0.38	0.52	0.45	-0.01	1.17	-1.88
Avg	0.40	0.38	0.40	0.44	0.51	0.44	0.02	-0.54	-0.75	-1.02	-1.17	-1.19	-1.28	-1.25	-1.14	-1.00	-0.81	-0.60	-0.36	-0.07	0.17	0.37	0.36	0.35	-0.30	--	--
Max	2.30	2.21	2.57	2.08	2.22	1.64	0.70	0.12	-0.03	-0.44	-0.54	-0.32	-0.34	-0.25	-0.39	-0.26	-0.09	0.10	0.19	0.69	1.05	1.78	1.59	1.95	--	2.57	--
Min	-1.35	-1.28	-1.29	-1.33	-1.22	-1.26	-1.44	-1.74	-1.62	-1.86	-2.24	-2.09	-2.36	-2.24	-1.82	-1.75	-1.25	-1.16	-2.23	-1.88	-1.89	-1.73	-1.49	-1.49	--	--	-2.36

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Aug 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	0.43	0.51	0.65	0.51	0.70	0.59	0.88	0.01	-0.32	-0.85	-1.47	-1.67	-1.51	-1.29	-1.29	-1.30	-0.77	-0.66	-0.32	-0.13	0.17	0.40	0.53	0.30	-0.25	0.88	-1.67
2	0.28	0.23	0.26	0.30	0.34	0.37	0.19	-0.49	-0.77	-1.54	-1.41	-1.10	-1.07	-1.23	-0.75	-1.01	-0.96	-0.47	-0.18	0.25	0.91	1.72	1.36	0.80	-0.17	1.72	-1.54
3	1.01	0.87	1.24	1.80	1.94	1.01	1.07	-0.69	-0.96	-1.14	-1.33	-1.46	-1.28	-1.53	-0.85	-0.94	-0.71	-0.45	-0.14	0.24	1.22	1.38	1.17	1.28	0.12	1.94	-1.53
4	1.78	1.50	1.83	2.39	2.01	1.89	1.85	-0.61	-0.92	-1.28	-1.27	-0.86	-0.90	-0.91	-0.87	-0.84	-0.60	-0.40	-0.07	0.29	0.62	0.80	1.31	1.25	0.33	2.39	-1.28
5	1.15	1.22	2.37	3.22	2.53	2.31	1.62	-0.25	-0.77	-1.05	-0.65	-1.16	-1.01	-0.76	-0.66	-0.67	-0.59	-0.32	-0.08	0.24	0.54	1.35	1.76	1.16	0.48	3.22	-1.16
6	1.69	1.02	0.53	0.47	0.80	0.64	0.25	-0.04	-0.60	-1.03	-1.19	-0.85	-0.42	-0.60	-0.38	-0.30	-0.42	-0.44	-0.18	0.37	0.48	1.20	0.77	0.90	0.11	1.69	-1.19
7	0.65	0.72	0.61	0.53	0.24	0.48	0.32	-0.28	-0.49	-1.09	-0.82	-0.94	-1.22	-1.10	-1.12	-0.34	-0.16	-0.10	-0.07	0.74	0.15	0.07	0.68	0.62	-0.08	0.74	-1.22
8	0.40	0.29	0.27	0.22	0.19	0.20	0.18	-0.24	-0.98	-1.42	-1.74	-1.01	-1.58	-1.24	-1.43	-1.01	-0.87	-0.66	-0.20	0.00	0.22	0.45	0.55	0.68	-0.36	0.68	-1.74
9	0.65	0.55	0.49	0.52	0.41	0.43	0.19	-0.58	-0.73	-1.02	-1.39	-1.27	-1.46	-1.32	-1.14	-1.05	-0.81	-0.64	-0.29	0.01	0.12	0.15	0.12	0.11	-0.33	0.65	-1.46
10	0.05	0.16	0.23	0.19	0.20	0.13	-0.02	-0.10	-0.26	-0.58	-0.70	-0.91	-1.03	-1.49	-2.04	-1.64	-1.48	-1.11	-0.36	-0.11	-0.05	0.08	0.16	0.21	-0.44	0.23	-2.04
11	0.19	0.28	0.35	0.39	0.41	0.53	0.20	0.06	-0.48	-0.17	0.03	-0.26	-0.59	-0.83	-0.77	-0.68	-0.48	-0.31	-0.14	0.15	0.92	0.76	1.03	0.71	0.05	1.03	-0.83
12	0.48	0.41	0.45	0.46	0.40	0.42	0.32	-0.03	-0.41	-0.35	-0.36	-0.41	-0.66	-0.41	-0.66	-1.19	-1.24	-0.60	0.04	0.32	0.69	0.70	0.87	1.02	0.01	1.02	-1.24
13	1.12	1.51	1.46	0.82	0.60	0.54	0.57	0.06	-0.27	-1.11	-1.18	-1.72	-1.75	-1.77	-2.00	-1.60	-1.28	-0.76	0.08	0.68	0.86	0.70	0.72	0.65	-0.13	1.51	-2.00
14	0.87	0.73	0.54	0.50	0.42	0.61	0.53	0.01	-0.45	-0.72	-1.12	-1.85	-2.31	-2.13	-2.05	-1.68	-0.49	0.23	0.00	0.36	0.51	0.72	0.71	0.46	-0.23	0.87	-2.31
15	0.44	0.58	0.90	0.76	0.77	1.01	0.59	-0.09	-0.69	-0.78	-1.26	-0.62	-1.53	-1.09	-1.13	-1.17	-0.71	-0.44	-0.06	0.30	0.61	0.55	0.66	0.84	-0.07	1.01	-1.53
16	0.77	0.75	0.97	0.61	0.51	0.39	0.20	-0.41	-0.66	-0.94	-0.64	-1.11	-1.25	-1.06	-1.00	-1.03	-0.80	-0.45	-0.13	0.03	0.25	0.64	0.70	0.49	-0.13	0.97	-1.25
17	0.59	0.56	0.33	0.15	0.14	0.15	0.07	-0.04	-0.37	-0.68	-0.68	-1.03	-1.30	-1.07	-1.11	-0.94	-0.49	-0.40	-0.08	0.16	0.23	0.27	0.23	0.24	-0.21	0.59	-1.30
18	0.20	0.15	0.17	0.25	0.33	0.61	0.41	-0.38	-0.40	-0.90	-0.72	-0.98	-0.91	-0.95	-0.95	-0.70	-0.63	-0.38	-0.06	0.18	0.33	0.56	0.77	0.76	-0.14	0.77	-0.98
19	0.42	0.54	0.40	1.07	1.07	1.18	1.33	-0.51	-0.57	-0.72	-0.78	-1.00	-0.89	-1.06	-1.27	-0.76	-0.79	-0.33	-0.02	0.25	0.67	0.58	0.59	0.78	0.01	1.33	-1.27
20	1.61	1.20	1.20	0.83	1.08	0.64	0.48	-0.78	-1.21	-0.96	-0.57	-1.13	-1.32	-1.22	-0.85	-1.03	-0.67	-0.52	-0.08	0.03	0.11	0.23	0.54	0.65	-0.07	1.61	-1.32
21	0.65	0.57	0.57	0.85	0.73	0.50	0.28	-0.02	-0.33	-0.28	-0.78	-1.47	-0.87	-1.29	-1.16	-0.72	-0.53	-0.34	-0.04	0.18	0.39	0.72	1.09	0.58	-0.03	1.09	-1.47
22	0.17	0.20	0.14	0.07	0.04	0.02	0.04	-0.24	-0.51	-0.53	-0.77	-1.15	-1.26	-1.16	-1.04	-0.99	-0.67	-0.45	-0.17	0.08	0.15	0.15	0.28	0.43	-0.30	0.43	-1.26
23	0.51	0.63	0.62	0.54	0.46	0.63	0.24	-0.24	-0.47	-0.76	-0.97	-1.06	-1.24	-1.13	-1.34	-1.06	-0.90	0.15	-0.32	-0.01	0.19	0.31	0.25	0.36	-0.19	0.63	-1.34
24	0.27	0.25	0.28	0.25	0.25	0.27	0.21	-0.07	-0.78	-0.97	-1.09	-1.78	-1.10	-2.06	-1.72	-0.82	-0.51	-0.23	-0.07	0.11	0.22	0.20	0.19	0.15	-0.36	0.28	-2.06
25	0.08	-0.08	0.05	0.12	0.10	0.12	0.11	0.00	-0.21	-0.61	-1.17	-1.07	-1.54	-1.58	-1.10	-0.54	0.43	0.44	0.18	0.67	0.43	0.45	0.41	0.43	-0.16	0.67	-1.58
26	0.43	0.39	0.36	0.35	0.32	0.35	0.33	0.11	-0.37	-0.63	-0.82	-1.01	-0.55	-1.27	-1.13	-0.85	-0.60	-0.21	0.04	0.11	0.17	0.29	0.42	0.63	-0.13	0.63	-1.27
27	0.43	0.40	0.47	0.66	1.12	0.98	0.57	-0.20	-0.79	-0.91	-1.37	-2.00	-1.61	-1.21	-1.03	0.49	1.06	0.59	0.63	0.52	0.73	0.68	0.49	0.47	0.05	1.12	-2.00
28	0.86	0.74	0.83	0.94	0.80	1.03	0.94	0.13	-0.65	-0.52	-0.81	-0.80	-0.36	-0.54	-1.06	-0.96	-0.51	-0.15	0.31	0.71	1.81	2.27	2.32	2.14	0.40	2.32	-1.06
29	1.66	2.11	2.09	1.94	1.59	1.20	0.85	-0.16	-0.48	-0.72	-1.16	-1.50	-1.72	-1.22	-0.95	-0.05	-0.13	-0.01	1.17	1.08	0.56	0.59	0.67	0.58	0.33	2.11	-1.72
30	0.55	0.48	0.49	0.80	1.01	0.63	0.74	-0.11	-0.64	-0.93	-1.05	-1.67	-1.47	-1.27	-1.15	-1.29	-0.56	-0.43	-0.01	0.41	0.38	0.19	0.25	0.56	-0.17	1.01	-1.67
31	0.33	0.40	0.36	0.44	0.38	0.56	0.39	-0.05	-0.63	-1.01	-1.30	-1.00	-1.40	-1.34	-0.90	-0.78	-0.71	-0.54	-0.11	0.06	0.20	0.16	0.38	0.55	-0.23	0.56	-1.40
Avg	0.67	0.64	0.69	0.74	0.71	0.66	0.51	-0.20	-0.59	-0.84	-0.99	-1.16	-1.20	-1.20	-1.13	-0.89	-0.60	-0.34	-0.02	0.27	0.48	0.62	0.71	0.67	-0.07	--	--
Max	1.78	2.11	2.37	3.22	2.53	2.31	1.85	0.13	-0.21	-0.17	0.03	-0.26	-0.36	-0.41	-0.38	0.49	1.06	0.59	1.17	1.08	1.81	2.27	2.32	2.14	--	3.22	--
Min	0.05	-0.08	0.05	0.07	0.04	0.02	-0.02	-0.78	-1.21	-1.54	-1.74	-2.00	-2.31	-2.13	-2.05	-1.68	-1.48	-1.11	-0.36	-0.13	-0.05	0.07	0.12	0.11	--	--	-2.31

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, DeltaTemp_C"
Month: Sep 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	0.79	0.71	0.33	0.26	0.43	0.64	0.51	0.00	-0.34	-0.87	-0.72	-1.44	-1.35	-1.16	-0.99	-1.05	-0.86	-0.30	0.17	0.53	0.97	1.07	0.73	0.29	-0.07	1.07	-1.44
2	0.44	1.06	0.81	1.16	0.99	1.63	0.88	0.39	-0.44	-0.67	-0.68	-1.24	-1.30	-1.68	-1.72	-0.83	-0.38	-0.24	0.23	0.85	0.83	0.42	0.29	0.33	0.05	1.63	-1.72
3	0.35	0.38	0.38	0.34	0.38	0.44	0.40	-0.22	-0.87	-0.92	-1.14	-1.16	-0.78	-0.47	-0.62	-0.34	-0.12	-0.18	-0.12	-0.08	-0.04	0.17	0.16	0.43	-0.15	0.44	-1.16
4	0.56	0.66	0.58	0.69	0.51	0.69	0.67	-0.39	-0.91	-1.29	-1.30	-1.22	-1.81	-1.69	-1.37	-0.92	-0.68	-0.25	-0.02	0.19	0.17	0.04	0.31	0.34	-0.27	0.69	-1.81
5	0.23	0.23	0.23	0.30	0.29	0.23	0.19	0.04	-0.30	-0.12	-0.20	-0.35	-0.61	-1.07	-1.43	-1.67	-1.37	-0.51	0.17	0.31	0.35	0.33	0.38	0.61	-0.16	0.61	-1.67
6	0.61	0.62	0.54	0.52	0.50	0.81	0.78	0.01	-0.44	-0.69	-0.96	-1.23	-1.38	-1.62	-1.31	-0.90	-1.07	-0.35	-0.01	0.22	0.71	1.25	0.92	0.86	-0.07	1.25	-1.62
7	1.36	1.13	1.19	0.91	0.83	1.04	0.60	0.04	-0.20	-0.41	-0.51	-0.71	-1.33	-1.01	-0.68	-0.69	-0.62	-0.21	0.09	0.21	0.37	0.45	0.39	0.52	0.12	1.36	-1.33
8	0.58	0.46	0.47	0.66	0.52	0.55	0.40	0.35	-0.22	-0.72	-1.11	-1.33	-1.27	-1.01	-0.44	-0.38	-0.90	-0.22	0.08	0.21	0.36	0.43	0.43	0.40	-0.07	0.66	-1.33
9	0.20	0.29	0.48	0.66	0.54	0.40	0.32	0.03	-0.35	-0.55	-0.50	-0.99	-0.59	-0.52	-0.36	-0.37	-0.21	-0.08	0.07	0.15	0.16	0.22	0.14	0.45	-0.02	0.66	-0.99
10	0.49	0.57	0.26	0.24	0.18	0.29	0.38	0.18	-0.13	-0.47	-0.30	-0.33	-0.38	-0.36	-0.41	-0.31	-0.23	-0.14	0.00	0.09	0.17	0.27	0.30	0.54	0.04	0.57	-0.47
11	0.64	0.89	0.45	0.89	0.74	0.78	0.76	-0.15	-0.61	-1.04	-0.95	-0.99	-0.90	-1.14	-0.96	-0.73	-0.54	-0.23	0.08	0.41	0.92	1.38	1.45	1.33	0.10	1.45	-1.14
12	1.18	0.92	1.01	0.73	0.60	1.10	0.82	-0.01	-0.72	-0.69	-1.20	-1.88	-2.27	-1.56	-1.41	-0.86	-0.20	-0.11	0.15	0.45	0.61	0.62	0.60	0.83	-0.05	1.18	-2.27
13	0.82	0.86	0.76	0.67	1.05	0.73	0.61	-0.20	-0.60	-0.61	-0.84	-1.03	-1.00	-0.84	-0.91	-1.11	-0.51	-0.33	-0.14	0.02	0.01	0.09	0.08	0.07	-0.10	1.05	-1.11
14	0.27	0.36	0.37	0.59	0.44	0.49	0.53	-0.15	-0.98	-0.69	-1.47	-1.19	-1.72	-1.25	-0.85	-0.75	-0.63	-0.39	0.04	0.18	0.09	0.09	0.05	0.24	-0.26	0.59	-1.72
15	0.21	0.19	0.14	0.09	0.03	0.04	0.09	-0.39	-0.69	-1.48	-1.26	-1.21	-1.41	-0.98	-0.61	-0.74	-0.63	-0.30	0.02	0.11	0.20	0.27	0.26	0.37	-0.32	0.37	-1.48
16	0.46	0.53	0.50	0.55	0.75	0.68	0.88	-0.47	-1.11	-1.72	-1.40	-1.88	-0.76	-0.87	-1.10	-1.23	-0.65	-0.20	0.10	0.28	0.23	0.38	0.99	1.78	-0.14	1.78	-1.88
17	1.53	1.72	1.45	1.58	1.28	1.71	1.07	-0.42	-0.72	-0.79	-1.46	-1.56	-1.72	-0.88	-1.17	-0.85	-0.49	-0.26	0.05	0.44	0.71	0.71	1.18	1.41	0.19	1.72	-1.72
18	1.44	1.39	1.64	1.43	1.23	1.82	1.38	-0.04	-0.60	-0.93	-0.96	-1.36	-1.44	-0.78	-0.75	-0.73	-0.27	-0.02	0.19	0.42	0.80	1.13	0.96	1.22	0.30	1.82	-1.44
19	1.57	1.04	1.27	0.64	0.89	0.69	1.12	0.17	-0.39	-0.98	-0.62	-0.74	-0.77	-0.91	-0.72	-0.81	-0.78	-0.10	0.08	0.13	0.17	0.18	0.19	0.20	0.06	1.57	-0.98
20	0.29	0.22	0.25	0.31	0.35	0.34	0.24	-0.25	-0.56	-0.98	-1.48	-1.37	-1.32	-1.62	-1.67	-1.64	-1.01	-0.25	0.01	0.28	0.58	1.04	0.60	0.50	-0.30	1.04	-1.67
21	0.45	0.22	0.17	0.25	0.18	0.13	0.13	-0.17	-0.19	0.13	0.47	0.53	0.31	0.50	0.60	0.42	0.51	0.62	0.50	0.31	0.24	0.19	0.09	0.18	0.28	0.62	-0.19
22	-0.01	0.03	0.08	0.01	0.08	0.14	0.08	0.01	-0.25	-0.47	-0.58	-0.63	-0.59	-0.71	-1.38	-0.81	-0.38	0.03	0.48	0.64	0.33	0.16	0.38	0.42	-0.12	0.64	-1.38
23	0.77	0.69	0.71	0.61	0.57	0.57	0.59	-0.08	-0.20	-0.31	-0.46	-0.93	-1.67	-1.01	-1.06	-0.62	-0.49	-0.04	0.22	0.38	0.73	1.28	1.39	0.86	0.10	1.39	-1.67
24	1.53	1.48	1.71	1.32	1.04	1.15	1.40	0.31	-0.64	-0.52	-1.09	-1.42	-0.73	-1.64	-1.46	-0.98	-0.51	0.12	0.74	0.89	0.73	0.76	0.81	0.82	0.24	1.71	-1.64
25	0.78	0.65	0.55	0.54	1.00	0.81	0.83	0.28	-0.27	-0.85	-1.18	-1.35	-1.40	-1.15	-1.09	-0.90	-0.44	0.00	0.31	0.37	0.49	0.80	0.86	0.93	0.02	1.00	-1.40
26	0.75	0.73	0.68	0.83	0.60	0.62	0.78	-0.06	-0.75	-0.87	-1.11	-1.33	-1.49	-1.78	-1.54	-1.29	-0.40	0.07	0.60	0.54	0.51	0.57	0.63	0.69	-0.09	0.83	-1.78
27	0.86	0.80	0.65	0.78	0.70	1.26	0.63	0.10	-0.37	-0.72	-1.02	-1.90	-1.70	-1.38	-0.75	-0.97	-0.39	-0.11	0.29	0.69	1.65	1.42	1.18	1.09	0.12	1.65	-1.90
28	0.78	1.10	1.34	1.55	1.36	1.34	1.26	0.62	-0.50	-0.70	-1.05	-0.76	-0.62	-1.06	-0.38	-0.17	0.10	0.18	0.65	0.81	1.15	1.70	1.42	1.30	0.48	1.70	-1.06
29	1.26	2.14	2.12	2.32	1.74	1.95	2.14	0.50	-0.49	-0.85	-0.72	-0.62	-1.30	-1.17	-1.16	-0.73	-0.48	-0.07	0.31	0.82	1.47	1.88	1.23	1.48	0.57	2.32	-1.30
30	1.57	1.75	2.06	1.81	1.54	1.78	0.76	0.02	-0.65	-0.75	-0.89	-1.65	-1.82	-1.63	-1.20	-0.89	-0.35	-0.01	0.52	0.84	0.87	1.26	1.54	1.79	0.34	2.06	-1.82
Avg	0.76	0.79	0.77	0.77	0.71	0.83	0.71	0.00	-0.52	-0.75	-0.89	-1.11	-1.17	-1.08	-0.96	-0.80	-0.50	-0.13	0.19	0.39	0.55	0.69	0.67	0.74	0.03	--	--
Max	1.57	2.14	2.12	2.32	1.74	1.95	2.14	0.62	-0.13	0.13	0.47	0.53	0.31	0.50	0.60	0.42	0.51	0.62	0.74	0.89	1.65	1.88	1.54	1.79	--	2.32	--
Min	-0.01	0.03	0.08	0.01	0.03	0.04	0.08	-0.47	-1.11	-1.72	-1.48	-1.90	-2.27	-1.78	-1.72	-1.67	-1.37	-0.51	-0.14	-0.08	-0.04	0.04	0.05	0.07	--	--	-2.27

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Jul 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	28.4	26.0	25.4	25.1	25.0	24.7	24.9	26.5	27.9	29.2	30.2	31.3	32.5	34.1	34.3	34.5	34.5	33.9	33.1	31.9	30.7	29.7	29.0	28.5	29.6	34.5	24.7
2	27.9	27.4	26.7	26.3	25.9	25.7	26.3	27.9	29.2	30.4	31.9	33.0	34.1	34.9	35.2	35.6	35.5	35.3	34.8	33.7	32.9	32.3	31.6	27.9	30.9	35.6	25.7
3	24.6	24.8	24.7	24.5	23.1	23.0	23.3	23.7	25.7	28.3	29.8	30.6	30.9	31.7	32.4	32.8	33.0	33.2	32.6	31.5	30.3	29.0	28.9	30.0	28.4	33.2	23.0
4	28.1	28.3	28.3	28.3	28.1	28.3	28.4	29.8	31.5	31.9	32.7	34.5	34.8	34.4	35.0	34.4	33.9	33.7	32.6	31.8	31.6	31.1	30.2	29.9	31.3	35.0	28.1
5	29.6	29.1	28.6	28.6	28.2	27.7	27.7	28.0	28.2	28.5	28.0	27.4	28.4	30.7	31.8	26.5	26.0	26.0	25.9	26.8	26.3	26.3	26.3	25.2	27.7	31.8	25.2
6	24.8	24.5	24.4	24.1	23.9	23.5	23.8	25.9	27.2	28.5	29.8	31.0	32.4	32.9	33.4	33.8	34.4	33.9	32.8	32.1	31.0	29.3	29.0	28.0	28.9	34.4	23.5
7	27.6	26.8	26.4	25.9	25.7	25.0	26.0	28.1	29.7	30.6	31.9	33.4	33.9	35.0	35.5	35.3	35.6	35.6	34.9	33.7	32.3	30.9	30.3	30.4	30.9	35.6	25.0
8	29.3	28.6	27.5	27.0	26.8	26.6	27.4	29.6	30.1	32.3	33.1	33.7	35.0	36.0	35.7	36.8	36.4	35.8	34.5	33.3	32.2	31.3	30.5	29.7	31.6	36.8	26.6
9	29.1	28.4	27.8	27.2	26.5	25.9	26.7	27.6	29.3	30.4	31.4	31.3	32.4	32.9	32.2	33.6	33.3	32.6	29.8	29.7	29.0	27.8	27.6	26.8	29.6	33.6	25.9
10	26.0	25.7	25.1	23.8	23.5	23.2	24.2	26.8	28.0	30.2	31.9	32.2	33.4	33.9	34.3	33.9	34.2	34.1	32.9	31.7	30.6	30.2	29.0	27.9	29.4	34.3	23.2
11	27.1	26.5	26.4	26.1	25.5	25.6	26.3	28.1	30.2	31.5	32.6	33.7	34.1	34.3	35.1	35.1	35.2	35.1	34.6	33.5	32.2	30.9	29.7	28.9	30.8	35.2	25.5
12	28.1	27.2	26.6	26.1	25.6	25.4	26.1	27.9	29.8	31.5	32.7	34.7	35.8	36.4	36.7	36.4	36.4	35.8	34.9	32.1	31.0	30.1	29.7	29.5	31.1	36.7	25.4
13	28.8	28.6	28.7	28.4	27.9	28.2	28.8	30.5	32.5	33.5	33.9	34.9	36.0	36.4	36.8	--	--	--	32.5	30.1	29.7	29.2	28.8	29.1	31.1	36.8	27.9
14	27.4	26.9	26.8	26.5	26.2	26.1	27.3	29.0	30.3	31.9	33.2	34.5	35.1	36.1	37.1	37.0	36.6	36.0	35.0	34.0	32.9	31.5	26.4	26.1	31.3	37.1	26.1
15	27.1	26.9	26.9	26.7	26.3	26.1	26.5	27.1	28.4	30.4	31.4	32.0	32.9	33.7	35.0	35.2	34.9	34.7	34.2	33.5	32.5	31.6	31.0	30.3	30.7	35.2	26.1
16	28.7	28.0	27.2	27.1	26.9	26.7	26.7	28.8	29.7	--	--	33.7	34.8	35.1	35.7	36.3	36.3	36.1	35.5	34.5	33.2	32.2	30.4	28.6	31.5	36.3	26.7
17	27.8	28.1	27.5	27.2	27.0	26.9	27.4	27.6	28.2	27.6	25.8	25.3	26.3	27.5	28.6	30.8	31.7	30.9	30.2	29.4	29.0	29.0	27.3	26.3	28.1	31.7	25.3
18	25.8	25.4	25.2	24.9	24.5	24.4	24.7	26.2	27.4	28.1	29.5	30.8	32.8	33.1	33.5	32.8	30.1	27.0	26.8	26.8	25.7	23.8	23.4	22.2	27.3	33.5	22.2
19	21.6	21.8	22.3	22.2	23.1	21.9	21.9	22.7	24.3	26.6	27.7	28.6	30.0	31.0	31.3	31.5	31.4	31.1	30.4	29.6	28.8	28.0	27.0	26.6	26.7	31.5	21.6
20	26.2	25.7	25.0	24.6	24.2	24.1	24.0	26.6	27.6	29.3	30.5	31.2	32.0	32.8	33.5	33.4	33.7	33.3	32.6	31.7	30.6	29.9	28.8	28.0	29.1	33.7	24.0
21	27.7	27.1	26.8	26.4	25.9	25.7	26.0	28.3	29.3	31.8	33.3	33.4	34.0	34.6	35.3	35.4	35.2	34.9	34.1	33.0	31.9	31.2	29.9	29.3	30.9	35.4	25.7
22	28.6	28.2	27.7	26.6	26.1	25.4	26.1	28.4	29.0	30.0	30.9	32.1	33.2	33.6	34.6	34.6	34.7	34.6	33.8	32.8	31.7	31.1	30.4	29.6	30.6	34.7	25.4
23	28.7	28.2	27.2	26.4	26.0	25.7	26.0	27.2	28.1	28.4	30.1	30.3	30.7	30.1	31.0	32.4	33.0	32.7	32.1	31.6	30.9	29.0	26.4	25.8	29.1	33.0	25.7
24	26.2	26.4	26.0	25.8	25.6	25.3	25.3	25.9	26.9	27.8	29.6	29.9	32.6	33.6	34.4	35.0	34.9	34.5	33.7	32.5	31.6	30.7	29.9	29.7	29.7	35.0	25.3
25	29.6	28.9	29.2	28.1	27.8	28.3	28.5	28.7	30.4	31.6	33.7	34.4	35.5	36.6	35.9	35.3	35.9	35.2	34.6	33.7	32.6	31.9	31.1	30.2	32.0	36.6	27.8
26	29.7	28.9	28.1	27.6	27.1	26.6	27.5	30.4	31.9	33.2	33.9	34.6	35.1	35.8	36.7	36.8	36.4	35.8	34.9	33.7	32.5	31.8	30.8	29.6	32.1	36.8	26.6
27	28.9	29.0	28.7	28.1	27.6	26.5	26.7	28.0	29.5	30.9	32.0	33.2	33.7	34.5	35.3	35.5	35.4	35.2	34.6	33.6	32.6	31.9	31.7	30.0	31.4	35.5	26.5
28	29.7	29.4	29.2	28.8	28.2	27.6	27.6	28.1	28.9	30.3	31.6	33.3	34.5	35.6	36.1	36.8	36.8	35.9	34.3	33.7	31.0	26.6	27.7	26.9	31.2	36.8	26.6
29	26.0	25.0	24.6	24.4	24.7	24.8	25.5	27.7	28.3	29.9	30.9	31.2	32.4	32.8	33.3	33.3	33.7	31.0	23.1	21.9	24.2	23.8	24.4	23.8	27.5	33.7	21.9
30	23.9	24.2	24.3	24.4	23.9	24.8	24.9	25.4	27.0	28.7	30.4	32.1	33.3	34.2	35.0	35.5	35.5	34.7	34.7	33.5	32.0	30.7	29.8	29.4	29.7	35.5	23.9
31	29.3	29.1	28.3	29.1	27.9	28.4	28.5	30.6	31.7	32.6	33.6	35.1	35.8	34.0	34.4	27.8	27.7	27.4	26.7	23.6	24.1	23.3	25.0	25.6	29.1	35.8	23.3
Avg	27.5	27.1	26.7	26.3	26.0	25.7	26.2	27.6	28.9	30.2	31.3	32.2	33.2	33.8	34.4	34.1	34.1	33.5	32.5	31.4	30.6	29.6	28.8	28.1	30.0	--	--
Max	29.7	29.4	29.2	29.1	28.2	28.4	28.8	30.6	32.5	33.5	33.9	35.1	36.0	36.6	37.1	37.0	36.8	36.1	35.5	34.5	33.2	32.3	31.7	30.4	--	37.1	--
Min	21.6	21.8	22.3	22.2	23.1	21.9	21.9	22.7	24.3	26.6	25.8	25.3	26.3	27.5	28.6	26.5	26.0	26.0	23.1	21.9	24.1	23.3	23.4	22.2	--	--	21.6

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Aug 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	26.3	25.8	25.0	24.6	24.8	24.6	24.1	25.9	28.3	31.0	32.9	33.7	34.2	34.8	35.6	36.0	35.3	35.0	34.1	33.1	31.7	30.5	29.9	28.5	30.2	36.0	24.1
2	28.5	28.1	27.6	27.4	27.0	26.6	26.7	28.4	30.3	32.2	32.9	33.6	34.6	35.7	35.4	36.2	36.2	35.6	35.0	33.8	32.4	31.1	30.5	30.7	31.5	36.2	26.6
3	30.1	30.0	28.5	28.3	27.5	27.4	27.0	30.2	31.7	32.8	33.9	35.1	36.1	37.3	37.2	37.7	37.5	37.1	36.2	34.7	32.6	32.1	31.5	30.8	32.6	37.7	27.0
4	29.7	29.3	28.7	28.3	27.8	27.4	27.1	30.3	31.9	33.7	35.6	36.7	37.5	38.1	38.4	38.5	38.0	37.6	36.8	35.3	34.2	33.2	31.5	30.8	33.2	38.5	27.1
5	30.2	29.9	29.2	28.8	28.4	28.0	28.0	30.8	32.9	34.7	35.3	36.7	37.2	37.6	38.3	38.6	38.6	37.9	37.2	35.8	34.7	33.3	32.5	31.5	33.6	38.6	28.0
6	31.3	31.2	30.2	29.2	28.3	28.4	29.0	29.4	30.6	32.2	32.9	32.4	31.7	31.7	32.2	32.7	34.2	35.0	34.7	33.4	32.4	31.3	31.4	31.0	31.5	35.0	28.3
7	30.8	29.9	29.4	28.9	28.9	28.3	28.0	28.9	29.8	31.2	31.8	32.7	33.9	34.4	29.6	27.5	29.0	28.9	28.3	25.8	25.3	25.5	24.8	25.1	29.0	34.4	24.8
8	24.7	24.1	24.0	23.9	23.5	23.4	23.6	24.7	27.0	29.3	30.4	30.8	32.2	33.1	34.0	33.9	34.2	33.8	32.9	32.1	31.3	30.1	29.4	28.8	29.0	34.2	23.4
9	28.3	28.3	27.3	27.3	26.7	26.7	26.8	28.2	29.9	31.5	33.0	34.1	35.2	35.7	36.4	36.4	36.3	35.9	35.0	34.0	31.7	30.1	29.1	28.8	31.4	36.4	26.7
10	26.7	26.9	27.5	26.9	26.8	26.3	25.9	26.6	27.7	29.3	30.5	31.3	32.3	34.5	36.1	36.5	36.5	36.2	34.9	32.7	31.6	31.4	31.1	30.7	30.7	36.5	25.9
11	29.7	29.1	28.7	28.5	27.8	27.1	27.8	28.3	29.4	26.9	27.1	27.4	30.2	33.0	34.4	35.1	34.9	34.4	34.0	32.5	25.8	26.8	25.8	27.8	29.7	35.1	25.8
12	27.8	27.5	27.6	27.7	27.7	27.9	27.4	28.4	29.8	30.5	31.9	32.3	33.5	33.1	34.9	37.1	37.8	37.3	33.6	32.0	31.2	31.1	29.8	29.7	31.2	37.8	27.4
13	29.3	28.6	27.8	28.9	29.6	29.7	30.3	31.9	33.7	35.9	37.2	38.8	39.4	40.0	40.5	40.5	40.3	39.7	38.3	36.8	35.9	35.3	34.9	33.6	34.9	40.5	27.8
14	33.5	33.2	33.4	33.1	31.6	31.1	31.3	31.8	34.0	36.0	37.9	39.8	41.2	41.7	41.8	40.8	37.3	34.8	34.6	34.9	33.4	33.5	33.2	34.1	35.3	41.8	31.1
15	33.8	31.9	30.7	30.9	30.2	28.9	30.3	31.3	33.6	36.1	38.1	37.8	39.7	39.4	40.1	40.6	40.5	39.9	39.1	37.6	36.7	36.0	34.5	33.9	35.5	40.6	28.9
16	33.7	33.1	32.2	31.7	30.5	29.8	29.0	30.1	31.0	32.8	33.6	35.8	37.0	37.4	38.2	38.6	38.6	37.9	37.3	36.4	35.5	34.9	34.2	33.2	34.3	38.6	29.0
17	32.4	31.7	30.6	29.6	29.4	29.0	27.9	28.0	28.5	29.6	30.3	31.8	34.0	34.9	36.3	36.4	36.0	35.6	35.0	34.2	33.6	32.8	32.0	30.9	32.1	36.4	27.9
18	29.5	28.1	27.4	26.9	26.4	25.8	26.0	27.6	28.3	30.1	30.9	32.4	33.1	34.2	35.0	35.0	35.4	35.1	34.2	33.2	32.1	31.2	30.7	30.0	30.8	35.4	25.8
19	29.4	28.2	27.3	26.3	25.8	25.2	25.0	27.6	28.5	29.9	31.4	32.8	33.4	34.4	35.6	35.5	35.7	34.8	34.0	32.8	31.8	31.9	31.4	29.7	30.8	35.7	25.0
20	29.0	28.9	28.3	27.9	26.7	26.5	26.5	28.2	29.6	30.6	31.2	32.9	34.2	35.0	35.0	35.7	35.6	35.5	34.5	32.9	31.0	30.4	29.8	28.9	31.0	35.7	26.5
21	28.4	28.3	27.9	27.4	27.1	26.8	27.1	27.4	27.9	28.5	30.3	32.4	32.6	34.0	34.8	34.8	35.2	34.8	34.1	33.1	32.4	31.5	30.8	30.6	30.7	35.2	26.8
22	29.7	29.3	28.9	28.2	27.7	27.4	27.2	27.9	29.0	29.5	30.8	32.6	33.5	33.9	34.6	35.0	35.0	34.6	33.9	32.9	31.3	30.5	29.8	28.7	30.9	35.0	27.2
23	28.1	27.5	26.7	26.9	25.7	25.7	26.2	27.4	28.2	29.4	30.1	32.3	34.5	35.3	36.1	36.2	35.6	31.0	31.3	29.3	28.4	29.5	27.9	27.3	29.9	36.2	25.7
24	27.3	28.0	28.1	27.8	27.1	26.2	26.3	27.3	29.0	30.3	32.1	34.0	34.6	36.8	37.0	37.0	36.4	35.7	34.9	34.0	33.3	32.8	32.0	31.1	31.6	37.0	26.2
25	30.1	28.3	27.4	26.6	26.3	26.2	26.3	26.1	27.5	30.0	31.9	31.7	33.2	33.8	34.1	32.4	23.6	24.4	24.3	25.7	26.1	25.3	25.3	25.8	28.0	34.1	23.6
26	26.1	25.7	25.8	25.4	25.3	25.4	25.7	26.4	28.3	29.9	31.6	33.1	33.4	35.1	35.5	35.6	35.8	35.3	34.4	31.0	29.7	29.7	29.9	29.6	30.2	35.8	25.3
27	27.4	27.7	26.7	26.4	26.3	26.6	27.0	28.7	30.7	32.7	34.3	35.5	35.8	36.0	35.3	27.5	26.1	27.6	26.9	27.2	27.0	26.5	26.0	25.6	29.1	36.0	25.6
28	25.5	24.7	24.5	24.0	24.6	23.6	23.7	25.9	28.3	30.0	31.8	33.9	34.7	36.1	37.3	36.9	36.4	35.8	34.7	33.2	31.6	31.0	30.1	29.3	30.3	37.3	23.6
29	28.6	28.7	28.1	28.0	27.8	27.4	28.8	30.0	31.6	33.2	35.0	36.2	37.5	37.7	36.9	35.1	35.1	34.8	29.7	29.1	28.1	27.9	28.6	28.9	31.4	37.7	27.4
30	28.9	28.8	28.4	27.6	27.0	27.2	26.9	28.6	30.6	32.3	33.6	35.2	35.5	36.0	36.5	36.9	36.2	35.8	34.4	33.0	31.7	30.5	29.2	29.0	31.7	36.9	26.9
31	28.3	28.0	27.8	28.0	27.7	26.9	27.3	27.8	29.2	31.2	32.5	33.1	34.5	35.4	35.3	35.1	35.3	34.9	33.3	29.5	28.3	26.3	21.7	21.3	29.9	35.4	21.3
Avg	29.1	28.7	28.1	27.8	27.4	27.0	27.1	28.4	29.9	31.4	32.7	33.8	34.9	35.7	36.1	35.9	35.4	34.9	33.9	32.6	31.4	30.8	30.0	29.5	31.4	--	--
Max	33.8	33.2	33.4	33.1	31.6	31.1	31.3	31.9	34.0	36.1	38.1	39.8	41.2	41.7	41.8	40.8	40.5	39.9	39.1	37.6	36.7	36.0	34.9	34.1	--	41.8	--
Min	24.7	24.1	24.0	23.9	23.5	23.4	23.6	24.7	27.0	26.9	27.1	27.4	30.2	31.7	29.6	27.5	23.6	24.4	24.3	25.7	25.3	25.3	21.7	21.3	--	--	21.3

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Temp_2m_C"
Month: Sep 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	22.1	23.6	22.5	21.5	22.6	23.2	22.8	23.3	24.8	27.1	28.5	30.5	31.5	31.9	32.4	33.0	33.2	32.4	31.2	30.2	29.4	28.5	28.8	27.8	27.6	33.2	21.5
2	25.0	23.4	23.7	24.7	24.4	24.2	23.8	25.8	26.9	28.3	30.0	31.1	32.3	33.7	34.2	33.2	32.5	32.0	31.1	29.8	29.5	29.3	28.6	27.9	28.6	34.2	23.4
3	27.4	26.9	26.4	26.1	25.8	25.2	25.1	26.0	27.9	29.6	30.7	31.5	31.0	30.0	29.4	28.9	28.2	25.0	23.4	22.7	22.6	23.2	22.1	22.0	26.5	31.5	22.0
4	23.1	21.5	21.3	21.1	22.3	21.0	21.8	23.5	25.3	26.7	27.6	28.7	30.4	31.0	30.8	30.2	28.9	27.3	25.2	25.7	25.5	25.1	24.8	24.4	25.5	31.0	21.0
5	24.1	23.7	23.7	23.5	23.2	23.9	23.7	24.1	25.1	25.1	24.5	23.7	24.7	26.9	29.0	29.5	29.2	28.2	26.8	26.3	25.9	25.5	25.3	25.0	25.4	29.5	23.2
6	24.8	24.6	24.5	24.1	24.0	23.5	23.7	24.6	27.2	29.3	30.7	32.1	33.0	34.1	34.5	34.0	34.5	33.7	32.4	31.2	30.0	28.9	28.6	27.7	29.0	34.5	23.5
7	27.4	27.1	27.1	27.2	27.1	26.2	26.1	27.9	29.4	31.2	32.4	31.8	34.6	34.8	33.9	34.1	34.4	33.8	33.0	31.6	31.1	31.2	29.6	29.5	30.5	34.8	26.1
8	29.6	28.6	28.6	28.1	28.4	28.0	27.8	28.1	29.1	31.0	32.5	32.5	33.5	33.6	32.8	32.9	33.4	32.6	31.6	30.6	30.1	28.8	28.5	27.6	30.3	33.6	27.6
9	26.7	26.3	25.3	24.8	24.5	24.7	25.1	24.9	26.1	27.6	29.0	31.2	30.9	30.7	30.4	30.1	29.8	29.5	29.0	28.6	28.3	27.8	27.6	27.4	27.8	31.2	24.5
10	27.2	27.1	26.3	26.3	26.1	25.4	25.4	25.1	25.8	26.8	27.8	28.3	28.5	28.0	27.2	26.8	26.2	25.9	25.4	25.0	24.7	24.5	24.0	23.5	26.1	28.5	23.5
11	22.9	23.2	22.2	22.2	22.2	22.8	22.2	23.5	25.9	27.8	29.2	30.4	31.3	32.4	33.1	33.0	32.8	32.3	31.2	30.1	29.3	28.5	27.8	27.5	27.7	33.1	22.2
12	26.9	26.1	26.5	26.9	26.3	25.4	25.3	27.3	28.8	31.2	33.3	35.4	36.6	36.9	37.2	35.8	33.9	31.4	32.0	32.1	30.4	29.5	28.7	28.1	30.5	37.2	25.3
13	27.7	26.9	26.9	27.2	26.3	26.8	26.2	27.7	30.7	31.8	33.1	34.0	34.9	34.9	34.9	35.7	34.8	34.3	31.8	26.5	25.1	26.1	26.1	25.4	29.8	35.7	25.1
14	24.4	24.5	23.5	23.4	23.7	23.7	23.3	24.6	26.6	28.1	30.2	30.8	31.9	31.7	31.5	31.8	31.7	31.0	29.7	28.9	28.8	27.7	27.1	26.3	27.7	31.9	23.3
15	25.7	25.3	24.9	24.6	24.2	23.7	23.4	24.2	25.4	27.6	28.1	28.8	30.1	30.6	30.1	30.7	31.1	30.4	29.4	28.1	26.9	26.3	25.6	25.0	27.1	31.1	23.4
16	24.3	23.5	23.2	22.5	22.4	22.2	21.9	23.8	25.5	27.8	28.6	30.4	29.5	30.4	31.3	31.8	31.2	30.2	29.3	28.4	27.9	27.1	26.3	25.3	26.9	31.8	21.9
17	24.9	24.2	23.9	23.1	22.8	22.4	22.3	24.7	26.8	27.6	29.5	31.0	32.1	31.8	32.4	32.1	31.4	31.0	30.0	28.6	27.9	26.9	26.0	25.3	27.4	32.4	22.3
18	24.7	24.5	24.1	23.8	23.5	23.1	23.0	25.5	27.7	29.9	30.9	32.2	32.9	33.0	33.4	33.4	32.5	31.4	30.5	29.7	28.8	28.0	27.3	26.7	28.4	33.4	23.0
19	25.8	25.5	25.7	27.0	26.3	26.5	25.6	27.3	29.9	31.9	32.4	33.3	33.7	34.1	34.1	34.4	33.0	30.4	28.8	27.7	26.9	26.8	26.4	25.7	29.1	34.4	25.5
20	25.4	25.3	24.8	24.5	24.1	23.7	23.8	24.9	26.7	28.6	30.5	31.6	33.4	35.0	35.8	36.0	35.4	34.0	32.6	31.7	30.3	29.6	29.4	28.1	29.4	36.0	23.7
21	27.3	26.5	26.3	25.3	24.9	24.7	24.4	24.6	25.7	26.2	23.8	23.4	23.7	22.5	21.9	21.3	20.7	20.2	21.1	20.8	19.7	18.8	18.4	18.5	22.9	27.3	18.4
22	18.9	18.8	18.9	19.2	19.3	19.3	19.1	19.7	20.8	22.0	22.7	22.8	23.9	24.9	27.1	26.6	26.3	26.0	24.9	24.3	23.9	22.2	22.3	21.5	22.3	27.1	18.8
23	21.7	21.8	21.6	21.2	20.8	20.8	20.9	22.4	23.8	25.5	27.2	28.8	30.4	30.4	31.3	31.2	30.6	29.5	28.4	27.7	26.5	25.6	25.2	24.3	25.7	31.3	20.8
24	24.1	23.9	23.5	24.0	24.4	23.7	23.0	25.2	27.8	29.4	32.3	34.0	33.9	35.5	35.7	35.7	35.6	34.4	32.8	31.4	30.6	30.2	29.8	29.7	29.6	35.7	23.0
25	29.5	29.1	28.6	28.0	26.8	26.8	26.6	27.1	28.0	29.4	30.7	31.2	32.1	32.8	33.4	33.3	32.9	31.9	30.9	30.3	29.6	28.8	28.3	27.3	29.7	33.4	26.6
26	26.5	26.6	26.7	26.5	26.0	25.7	25.4	26.6	28.9	30.0	31.3	32.6	33.3	34.0	34.4	34.6	33.5	32.8	31.6	30.7	30.0	29.7	29.4	29.1	29.8	34.6	25.4
27	28.8	28.6	28.1	27.4	26.8	25.2	26.4	28.0	29.7	31.4	32.9	34.6	34.8	35.3	34.8	35.4	34.4	33.7	32.0	31.0	29.7	28.5	27.8	27.9	30.5	35.4	25.2
28	27.2	27.1	26.0	25.6	24.6	24.9	24.1	25.4	28.1	29.9	31.6	32.3	32.9	34.1	33.3	32.8	32.1	31.9	30.5	29.8	29.0	27.7	27.2	26.9	28.9	34.1	24.1
29	26.3	25.9	25.5	25.0	24.7	24.1	24.0	25.4	28.4	30.2	31.3	32.3	33.9	34.5	35.0	34.8	34.6	33.5	31.8	30.6	29.5	28.7	27.8	27.2	29.4	35.0	24.0
30	26.8	26.9	26.5	25.7	25.7	25.0	26.5	28.0	28.7	31.3	33.5	35.5	36.3	36.4	36.5	36.3	35.4	34.6	33.0	31.9	30.7	30.3	29.2	29.3	30.8	36.5	25.0
Avg	25.6	25.2	24.9	24.7	24.5	24.2	24.1	25.3	27.1	28.7	29.9	30.9	31.7	32.2	32.4	32.3	31.8	30.8	29.7	28.7	28.0	27.3	26.8	26.3	28.0	--	--
Max	29.6	29.1	28.6	28.1	28.4	28.0	27.8	28.1	30.7	31.9	33.5	35.5	36.6	36.9	37.2	36.3	35.6	34.6	33.0	32.1	31.1	31.2	29.8	29.7	--	37.2	--
Min	18.9	18.8	18.9	19.2	19.3	19.3	19.1	19.7	20.8	22.0	22.7	22.8	23.7	22.5	21.9	21.3	20.7	20.2	21.1	20.8	19.7	18.8	18.4	18.5	--	--	18.4

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Jul 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	12	116	351	547	725	890	977	999	951	872	716	461	168	68	10	0	0	0	0	328	999	0
2	0	0	0	0	0	7	138	370	579	764	902	984	1006	958	868	721	537	337	144	8	0	0	0	0	347	1006	0
3	1	2	1	0	0	0	13	59	201	344	483	367	447	807	655	740	539	335	134	6	0	0	0	0	214	807	0
4	0	0	0	0	0	9	98	330	484	534	699	965	932	972	775	410	150	72	27	3	0	0	0	0	269	972	0
5	0	0	0	0	0	4	52	175	146	179	227	155	295	791	315	98	97	71	36	8	0	0	0	0	110	791	0
6	0	0	0	0	0	6	113	341	588	756	899	911	900	980	869	767	605	234	54	7	0	0	0	0	335	980	0
7	0	0	0	0	0	8	129	366	574	762	900	988	1024	964	826	692	547	353	137	8	0	0	0	0	345	1024	0
8	0	0	0	0	0	5	134	328	518	789	802	907	783	945	760	738	504	248	80	10	0	0	0	0	315	945	0
9	0	0	0	0	0	5	86	188	330	473	540	521	852	787	594	710	587	247	87	10	0	0	0	0	251	852	0
10	0	0	0	0	0	4	136	375	592	782	880	807	956	963	809	650	563	346	138	4	0	0	0	0	334	963	0
11	0	0	0	0	0	6	141	378	566	749	703	648	878	727	842	682	550	341	141	6	0	0	0	0	307	878	0
12	0	0	0	0	0	8	131	159	392	648	800	921	1003	922	854	679	592	344	70	15	0	0	0	0	314	1003	0
13	0	0	0	0	0	7	92	336	571	659	700	840	992	912	895	--	--	--	31	9	0	0	0	0	288	992	0
14	0	0	0	0	0	6	98	305	319	697	886	974	1006	850	890	721	468	183	64	4	0	0	1	0	311	1006	0
15	0	0	0	0	0	5	60	174	441	735	887	981	998	899	800	703	548	330	129	7	0	0	0	0	321	998	0
16	0	0	0	0	0	6	117	340	528	--	--	982	1008	973	887	737	552	351	145	16	0	0	0	0	302	1008	0
17	0	0	0	0	0	4	73	126	179	307	198	168	151	158	354	520	408	75	33	1	0	0	0	0	115	520	0
18	0	0	0	0	0	4	78	209	263	467	726	918	1031	925	725	282	134	70	42	1	0	0	0	0	245	1031	0
19	0	0	0	0	0	8	93	187	417	755	887	957	1013	984	861	741	554	336	95	6	0	0	0	0	329	1013	0
20	0	0	0	0	0	4	111	343	559	762	792	966	862	922	845	729	529	329	128	6	0	0	0	0	329	966	0
21	0	0	0	0	0	4	109	349	564	757	915	852	956	965	892	736	550	336	132	5	0	0	0	0	338	965	0
22	0	0	0	0	0	3	128	325	549	755	902	987	1014	975	888	738	545	333	129	5	0	0	0	0	345	1014	0
23	0	0	0	0	0	7	84	316	473	546	793	461	508	383	504	570	391	171	48	5	0	0	0	0	219	793	0
24	0	0	0	0	0	2	44	276	331	601	633	731	1000	954	874	721	531	322	123	6	0	0	0	0	298	1000	0
25	0	0	0	0	0	4	66	181	310	596	891	923	876	917	509	350	564	163	51	3	0	0	0	0	267	923	0
26	0	0	0	0	0	6	113	310	470	750	853	867	886	845	828	682	444	275	79	6	0	0	0	0	309	886	0
27	0	0	0	0	0	2	84	285	529	705	528	965	999	945	875	698	528	316	116	6	0	0	0	0	316	999	0
28	0	0	0	0	0	2	38	137	379	689	798	976	957	928	843	767	670	297	41	2	0	1	0	0	314	976	0
29	0	0	0	0	0	2	65	224	302	562	845	985	999	954	862	707	504	227	3	0	1	0	0	0	302	999	0
30	0	0	0	0	0	4	81	302	544	735	875	972	999	965	894	760	475	192	135	5	0	0	0	0	331	999	0
31	0	0	0	0	0	3	68	292	495	622	786	944	1018	632	503	38	40	19	13	0	2	0	0	0	228	1018	0
Avg	0	0	0	0	0	5	93	272	443	640	754	826	882	866	767	627	472	247	86	6	0	0	0	0	289	--	--
Max	1	2	1	0	0	12	141	378	592	789	915	988	1031	984	895	767	670	353	145	16	2	1	1	0	--	1031	--
Min	0	0	0	0	0	0	13	59	146	179	198	155	151	158	315	38	40	19	3	0	0	0	0	0	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Aug 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	3	73	323	531	724	865	948	991	977	892	766	573	421	209	30	0	0	0	0	347	991	0
2	0	0	0	0	0	1	77	331	545	735	876	754	820	814	742	723	522	312	108	3	0	0	0	0	307	876	0
3	0	0	0	0	0	1	82	330	547	740	883	972	1001	971	880	726	527	311	108	2	0	0	0	0	337	1001	0
4	0	0	0	0	0	1	82	332	550	742	887	979	1005	966	844	724	523	309	107	2	0	0	0	0	336	1005	0
5	0	0	0	0	0	1	78	292	500	730	884	970	990	913	823	774	560	290	127	4	0	0	0	0	331	990	0
6	0	0	0	0	0	2	98	233	372	547	471	386	145	299	427	448	516	294	90	0	0	0	0	0	180	547	0
7	0	0	0	0	0	1	58	270	531	680	800	661	778	922	300	192	103	121	10	0	0	0	0	0	226	922	0
8	0	0	0	0	0	1	35	198	526	717	865	973	943	697	812	692	501	288	82	5	0	0	0	0	306	973	0
9	0	0	0	0	0	2	69	299	519	708	855	949	945	958	852	705	520	310	96	2	0	0	0	0	325	958	0
10	0	0	0	0	0	1	55	105	259	410	488	489	483	1052	933	768	579	302	54	0	0	0	0	0	249	1052	0
11	0	0	0	0	0	1	43	103	366	87	58	281	448	691	641	360	433	258	139	14	4	0	0	0	163	691	0
12	0	0	0	0	0	1	64	309	338	415	333	528	414	242	705	678	482	271	20	0	0	0	0	0	200	705	0
13	0	0	0	0	0	1	61	316	538	731	870	973	1000	963	860	707	503	281	80	0	0	0	0	0	328	1000	0
14	0	0	0	0	0	2	61	291	511	699	843	939	975	943	803	548	242	75	34	0	0	0	0	0	290	975	0
15	0	0	0	0	0	1	56	295	511	683	862	854	912	820	809	680	479	266	71	0	0	0	0	0	304	912	0
16	0	0	0	0	0	1	55	285	504	698	845	934	958	917	824	684	536	202	53	9	0	0	0	0	313	958	0
17	0	0	0	0	0	0	37	178	511	694	841	928	951	916	820	666	473	259	67	0	0	0	0	0	306	951	0
18	0	0	0	0	0	1	53	271	501	698	843	918	955	896	838	676	472	259	65	0	0	0	0	0	310	955	0
19	0	0	0	0	0	0	52	285	503	699	852	947	970	926	830	670	478	229	54	0	0	0	0	0	312	970	0
20	0	0	0	0	0	0	50	280	497	685	833	923	950	911	815	654	455	240	55	0	0	0	0	0	306	950	0
21	0	0	0	0	0	0	22	74	196	341	817	840	846	850	820	610	439	224	59	0	0	0	0	0	256	850	0
22	0	0	0	0	0	0	49	251	440	599	833	898	969	859	756	626	466	246	56	0	0	0	0	0	294	969	0
23	0	0	0	0	0	0	70	127	284	288	476	901	942	898	809	680	520	152	119	1	0	0	0	0	261	942	0
24	0	0	0	0	0	1	48	259	459	509	799	856	952	929	847	670	243	138	53	0	0	0	0	0	282	952	0
25	0	0	0	0	0	0	14	96	248	562	495	436	749	545	800	244	12	26	24	1	0	0	0	0	177	800	0
26	0	0	0	0	0	0	39	179	481	648	821	918	966	928	777	654	463	255	81	0	0	0	0	0	300	966	0
27	0	0	0	0	0	0	37	269	487	675	834	943	908	766	402	57	256	113	15	0	0	0	0	0	240	943	0
28	0	0	0	0	0	0	41	287	498	690	837	925	948	910	815	643	447	224	35	0	0	0	0	0	304	948	0
29	0	0	0	0	0	0	39	271	491	686	828	916	946	957	451	101	157	73	8	1	0	0	0	0	247	957	0
30	0	0	0	0	0	0	38	273	496	652	886	925	932	892	794	639	444	231	37	0	0	0	0	0	302	932	0
31	0	0	0	0	0	0	14	209	444	675	817	908	871	874	745	649	436	183	51	0	0	0	0	0	286	908	0
Avg	0	0	0	0	0	1	53	246	457	618	758	831	860	845	757	594	431	231	70	2	0	0	0	0	281	--	--
Max	0	0	0	0	0	3	98	332	550	742	887	979	1005	1052	933	774	579	421	209	30	4	0	0	0	--	1052	--
Min	0	0	0	0	0	0	14	74	196	87	58	281	145	242	300	57	12	26	8	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, SR_Wm2_2m"
Month: Sep 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	39	192	400	638	823	940	939	886	758	608	408	215	34	0	0	0	0	0	287	940	0
2	0	0	0	0	0	0	28	131	288	507	853	862	943	943	787	607	272	107	23	0	0	0	0	0	265	943	0
3	0	0	0	0	0	0	44	227	474	661	822	905	247	107	193	100	31	14	4	0	0	0	0	0	159	905	0
4	0	0	0	0	0	0	28	223	459	687	822	914	822	751	471	294	162	63	9	0	0	0	0	0	238	914	0
5	0	0	0	0	0	0	16	112	162	115	132	214	379	713	755	631	355	143	10	0	0	0	0	0	156	755	0
6	0	0	0	0	0	0	25	263	485	678	805	909	953	909	826	392	415	181	15	0	0	0	0	0	286	953	0
7	0	0	0	0	0	0	31	149	390	722	638	773	926	652	375	555	382	111	15	0	0	0	0	0	238	926	0
8	0	0	0	0	0	0	12	51	238	420	550	455	657	514	740	406	332	164	15	0	0	0	0	0	190	740	0
9	0	0	0	0	0	0	15	69	315	519	699	760	407	519	349	331	202	91	10	0	0	0	0	0	179	760	0
10	0	0	0	0	0	0	4	56	107	180	243	169	379	361	393	333	186	77	7	0	0	0	0	0	104	393	0
11	0	0	0	0	0	0	17	242	456	655	801	886	902	846	738	575	372	161	12	0	0	0	0	0	278	902	0
12	0	0	0	0	0	0	20	236	455	649	794	881	894	863	854	355	44	23	5	0	0	0	0	0	253	894	0
13	0	0	0	0	0	0	18	222	454	647	797	884	852	840	761	579	362	161	13	0	0	0	0	0	275	884	0
14	0	0	0	0	0	0	13	238	462	654	797	880	910	714	664	560	322	118	6	0	0	0	0	0	264	910	0
15	0	0	0	0	0	0	20	151	332	596	500	521	715	658	453	509	289	75	7	0	0	0	0	0	201	715	0
16	0	0	0	0	0	0	10	207	410	668	707	958	584	698	555	557	352	127	9	0	0	0	0	0	243	958	0
17	0	0	0	0	0	0	10	238	467	659	803	870	884	847	729	569	358	134	6	0	0	0	0	0	274	884	0
18	0	0	0	0	0	0	12	240	469	664	807	894	909	821	776	497	226	66	8	0	0	0	0	0	266	909	0
19	0	0	0	0	0	0	19	154	477	735	809	802	835	832	656	539	299	67	2	0	0	0	0	0	259	835	0
20	0	0	0	0	0	0	10	216	453	645	788	867	881	825	727	589	383	126	6	0	0	0	0	0	272	881	0
21	0	0	0	0	0	0	11	76	130	59	97	190	280	138	136	132	105	28	1	0	0	0	0	0	58	280	0
22	0	0	0	0	0	0	9	88	224	450	229	363	490	324	689	324	230	91	1	0	0	0	0	0	146	689	0
23	0	0	0	0	0	0	10	207	440	635	808	893	882	813	711	533	324	108	4	0	0	0	0	0	265	893	0
24	0	0	0	0	0	0	9	208	445	638	782	854	862	819	697	524	320	106	2	0	0	0	0	0	261	862	0
25	0	0	0	0	0	0	8	210	458	649	791	869	879	816	700	531	319	106	2	0	0	0	0	0	264	879	0
26	0	0	0	0	0	0	9	201	449	652	791	867	876	808	694	527	311	98	1	0	0	0	0	0	262	876	0
27	0	0	0	0	0	0	9	200	439	607	775	865	806	817	658	518	307	94	1	0	0	0	0	0	254	865	0
28	0	0	0	0	0	0	8	189	427	593	771	843	856	773	545	266	142	83	1	0	0	0	0	0	229	856	0
29	0	0	0	0	0	0	9	182	421	614	756	834	843	784	669	495	287	84	1	0	0	0	0	0	249	843	0
30	0	0	0	0	0	0	8	190	409	616	761	827	856	789	676	500	275	85	0	0	0	0	0	0	250	856	0
Avg	0	0	0	0	0	0	16	179	387	574	685	758	755	706	625	465	279	104	8	0	0	0	0	0	231	--	--
Max	0	0	0	0	0	0	44	263	485	735	853	958	953	943	854	631	415	215	34	0	0	0	0	0	--	958	--
Min	0	0	0	0	0	0	4	51	107	59	97	169	247	107	136	100	31	14	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Jul 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	48	60	62	63	63	64	62	55	50	45	43	40	37	33	32	31	29	29	31	34	37	41	43	45	45	64	29
2	46	47	49	50	51	51	47	41	38	36	33	32	29	27	27	26	25	25	25	25	27	27	29	50	36	51	25
3	72	67	68	68	71	68	67	65	53	44	44	37	36	37	33	32	30	30	32	36	39	44	44	36	48	72	30
4	46	44	43	42	43	42	41	39	36	36	34	28	27	28	26	26	27	26	30	32	33	35	39	39	35	46	26
5	40	42	43	43	42	42	43	43	44	42	42	46	43	35	33	59	61	59	58	54	55	55	56	61	47	61	33
6	63	67	66	69	68	70	69	56	50	44	43	39	36	35	34	31	27	26	26	29	36	44	45	49	47	70	26
7	49	50	51	53	54	57	53	44	41	36	33	30	28	26	23	23	21	19	19	22	24	27	28	27	35	57	19
8	30	31	32	32	31	32	31	25	22	20	23	25	24	20	21	17	16	17	22	23	26	29	29	28	25	32	16
9	26	25	29	31	33	36	39	42	36	30	27	28	27	25	27	24	23	24	36	34	34	37	25	25	30	42	23
10	28	29	31	34	36	37	35	29	32	28	24	24	24	23	22	22	22	20	22	26	28	30	33	35	28	37	20
11	37	38	39	40	42	48	50	45	40	37	34	31	30	29	27	27	26	23	21	21	22	23	25	24	33	50	21
12	25	26	26	27	28	28	27	25	22	21	20	19	18	18	18	18	18	19	20	30	33	34	34	34	25	34	18
13	35	35	34	34	37	36	34	31	27	26	25	24	22	22	21	--	--	--	30	36	36	38	39	36	31	39	21
14	43	44	44	45	47	46	41	36	34	32	28	26	24	22	20	19	19	19	21	24	27	31	49	49	33	49	19
15	45	45	43	43	42	42	42	41	38	33	32	32	30	29	26	24	24	23	24	26	29	30	31	33	34	45	23
16	37	39	39	39	39	39	39	33	32	--	--	24	23	22	20	19	18	18	17	19	23	25	31	38	29	39	17
17	41	40	41	42	43	43	42	41	39	43	51	52	47	42	38	32	28	30	35	36	35	33	41	48	40	52	28
18	49	50	50	51	52	55	54	48	43	41	36	34	30	29	27	29	39	53	54	52	59	72	73	85	48	85	27
19	90	84	80	76	66	77	82	75	62	51	49	46	40	38	36	35	36	36	37	38	41	46	53	56	55	90	35
20	57	59	61	61	61	62	59	49	47	43	39	37	34	32	29	28	27	27	28	30	34	36	39	41	43	62	27
21	41	41	42	43	44	44	43	36	35	31	28	27	25	23	21	19	19	21	21	23	25	28	30	31	31	44	19
22	32	34	33	35	32	29	27	20	19	19	20	17	18	20	19	19	18	18	20	22	24	25	32	36	24	36	17
23	37	31	33	35	35	38	38	36	36	36	30	31	28	30	27	20	16	19	22	22	22	38	57	60	32	60	16
24	56	53	56	57	58	60	60	55	51	48	44	42	35	31	26	25	23	23	23	24	23	25	27	28	40	60	23
25	30	30	28	29	29	28	27	28	26	22	18	17	15	14	15	15	14	12	12	12	12	12	12	13	20	30	12
26	14	15	15	16	16	18	17	13	12	10	10	10	11	10	8	8	8	8	9	11	12	16	17	19	13	19	8
27	20	20	23	27	31	35	37	35	32	29	28	24	22	20	19	19	17	17	20	21	21	23	24	26	25	37	17
28	27	29	33	36	37	38	42	42	38	34	32	29	27	25	22	21	20	21	22	24	37	60	56	56	34	60	20
29	58	67	72	71	68	67	60	49	44	37	34	35	33	33	33	33	32	39	73	78	57	60	55	61	52	78	32
30	59	58	58	57	61	54	53	54	52	48	41	35	32	31	26	25	25	26	25	28	33	37	40	41	42	61	25
31	40	39	42	37	43	41	41	35	34	34	33	31	29	32	29	52	57	59	63	80	73	81	64	57	47	81	29
Avg	43	43	44	45	45	46	45	41	38	35	33	31	28	27	25	26	26	26	29	31	33	37	39	41	36	--	--
Max	90	84	80	76	71	77	82	75	62	51	51	52	47	42	38	59	61	59	73	80	73	81	73	85	--	90	--
Min	14	15	15	16	16	18	17	13	12	10	10	10	11	10	8	8	8	8	9	11	12	12	12	13	--	--	8

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Aug 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	53	59	61	59	59	63	52	45	37	34	32	31	29	27	25	27	27	30	33	37	41	42	46	42	63	25
2	45	47	49	47	47	48	48	43	39	35	32	28	25	21	21	19	18	19	19	21	24	27	28	27	32	49	18
3	28	28	31	31	34	35	38	29	26	25	22	21	19	17	14	14	13	13	13	16	19	19	20	21	23	38	13
4	22	23	25	26	28	32	34	26	23	21	18	16	14	14	14	14	14	13	13	14	15	17	20	21	20	34	13
5	21	22	23	24	25	27	28	22	18	17	16	15	14	13	11	11	10	11	11	13	15	18	19	21	18	28	10
6	23	23	33	43	46	46	43	39	35	32	30	30	31	32	30	27	21	19	19	22	24	27	27	27	30	46	19
7	29	32	38	42	45	47	50	47	44	41	39	36	34	30	48	49	42	46	48	66	73	73	72	64	47	73	29
8	67	70	68	67	68	67	65	63	53	43	40	37	35	32	30	30	29	27	30	32	34	37	39	41	46	70	27
9	42	42	46	46	49	48	48	43	37	35	33	30	27	26	23	22	21	21	23	25	32	37	39	40	35	49	21
10	50	45	40	43	44	46	49	47	42	37	35	34	31	27	25	23	22	22	24	30	34	34	35	36	36	50	22
11	39	40	40	40	43	46	44	44	42	44	39	39	30	24	24	23	23	24	26	30	55	49	54	41	38	55	23
12	40	41	40	39	40	39	42	40	36	35	31	31	29	30	23	20	18	18	26	30	32	32	36	35	33	42	18
13	35	37	40	37	35	34	31	27	22	19	16	13	13	11	10	10	10	10	11	13	15	16	17	20	21	40	10
14	21	21	22	22	27	28	27	28	23	20	19	15	14	12	12	16	21	24	28	24	27	25	25	22	22	28	12
15	22	27	29	28	29	33	30	30	26	20	18	19	18	18	16	15	15	15	15	16	17	19	21	22	22	33	15
16	22	23	25	29	34	36	39	37	35	31	29	26	24	23	23	22	22	21	22	23	25	27	28	29	27	39	21
17	30	34	40	44	43	41	45	46	46	45	45	41	36	32	28	29	29	29	28	29	30	32	35	38	36	46	28
18	39	43	47	48	46	46	43	36	34	30	28	25	24	22	20	20	20	20	21	24	26	29	30	32	31	48	20
19	34	36	35	36	36	38	38	30	28	26	25	24	23	20	19	19	18	19	20	22	24	25	26	29	27	38	18
20	32	33	36	38	41	44	46	44	44	43	40	35	32	30	28	26	27	26	28	31	34	33	35	37	35	46	26
21	38	38	40	43	45	49	50	52	55	55	48	42	41	35	32	30	26	27	27	30	33	35	36	37	39	55	26
22	39	42	44	51	51	51	52	50	49	48	41	36	34	32	30	28	26	26	26	28	33	35	34	37	38	52	26
23	38	39	41	43	45	45	44	42	40	39	38	33	29	27	26	26	27	35	32	39	39	32	40	41	37	45	26
24	42	38	38	39	41	45	46	42	39	37	32	28	26	24	23	21	21	23	24	26	27	29	30	32	32	46	21
25	36	45	48	48	48	47	48	50	45	36	34	35	32	31	30	38	75	76	80	67	62	62	57	51	49	80	30
26	50	51	51	53	53	53	51	49	44	41	36	33	31	27	26	26	24	24	26	35	40	36	32	32	38	53	24
27	42	40	47	47	45	42	41	37	33	29	27	28	26	25	26	59	51	42	43	39	39	42	45	48	39	59	25
28	48	51	51	53	48	52	52	45	38	34	32	27	24	21	22	23	23	23	25	29	33	32	35	37	36	53	21
29	39	38	39	38	37	38	33	32	30	27	24	23	21	19	21	23	24	25	44	48	48	48	42	39	33	48	19
30	38	37	37	40	42	38	39	35	31	28	25	23	23	21	21	20	18	19	23	28	34	39	44	43	31	44	18
31	46	48	49	48	49	52	48	46	43	36	33	31	29	27	28	27	24	25	29	38	40	49	79	78	42	79	24
Avg	37	38	40	42	43	44	44	40	37	34	31	29	26	24	24	24	24	25	27	30	33	34	36	36	33	--	--
Max	67	70	68	67	68	67	65	63	55	55	48	42	41	35	48	59	75	76	80	67	73	73	79	78	--	80	--
Min	21	21	22	22	25	27	27	22	18	17	16	13	13	11	10	10	10	10	11	13	15	16	17	20	--	--	10

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, RH_Percent"
Month: Sep 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	65	54	64	71	60	55	59	61	55	46	39	36	36	35	33	30	30	30	32	34	36	41	39	45	45	71	30
2	60	69	73	63	67	66	68	58	54	42	33	35	29	22	20	21	23	25	29	33	33	35	41	43	43	73	20
3	43	43	44	45	45	46	44	43	38	32	26	28	30	34	39	38	41	56	61	63	62	58	66	65	45	66	26
4	54	64	64	65	55	63	59	53	46	43	41	37	34	31	32	34	40	43	49	48	51	54	57	59	49	65	31
5	61	63	63	64	64	58	58	56	55	55	59	63	57	47	39	40	40	43	49	52	53	53	53	52	54	64	39
6	52	51	51	51	51	53	52	49	43	37	32	31	28	27	26	27	25	25	27	30	35	39	38	41	38	53	25
7	41	41	40	40	39	42	42	39	34	29	29	32	27	26	27	26	25	25	25	30	31	28	33	32	33	42	25
8	30	33	33	34	33	34	36	35	33	31	28	32	28	27	31	30	29	30	32	35	34	37	39	44	33	44	27
9	50	51	54	55	56	56	53	55	49	45	42	37	37	38	41	42	43	44	46	46	47	49	50	49	47	56	37
10	48	47	50	51	53	57	58	64	61	53	47	44	44	49	53	53	56	56	59	59	60	61	63	65	55	65	44
11	67	64	68	69	67	62	64	58	49	44	42	40	38	35	34	33	31	31	32	34	36	38	40	40	47	69	31
12	43	46	44	41	42	46	47	42	38	32	28	24	21	19	17	19	20	28	26	23	28	30	33	35	32	47	17
13	37	39	39	37	40	37	39	36	29	27	26	26	24	25	24	20	21	22	28	44	47	39	40	44	33	47	20
14	51	51	58	56	51	49	51	45	41	36	32	32	29	32	34	33	32	34	37	38	40	47	51	53	42	58	29
15	58	63	62	65	68	71	74	72	67	52	48	45	40	35	37	32	28	30	34	42	49	51	55	53	51	74	28
16	52	59	63	65	63	68	68	62	60	47	40	35	35	33	31	30	30	32	33	36	38	40	38	38	46	68	30
17	37	38	40	42	44	47	51	43	31	35	35	30	26	25	24	25	27	26	28	31	31	33	35	36	34	51	24
18	38	38	39	40	41	41	42	35	31	26	24	23	22	20	18	17	15	18	20	21	22	24	25	26	28	42	15
19	27	27	27	21	23	23	25	22	18	16	14	13	14	15	16	17	26	33	39	43	45	44	45	47	27	47	13
20	47	46	48	49	51	53	52	48	42	37	34	30	24	22	20	20	21	23	26	28	31	32	32	35	36	53	20
21	43	51	58	60	63	69	69	68	60	50	66	65	64	69	70	70	70	71	67	70	78	88	93	93	68	93	43
22	95	97	95	94	91	90	94	89	84	74	71	76	67	64	54	55	56	55	59	63	65	69	69	73	75	97	54
23	69	66	69	69	70	68	68	62	56	50	45	40	36	35	33	34	37	38	41	43	50	55	55	57	52	70	33
24	56	54	56	52	50	52	55	47	38	32	23	21	21	20	19	17	16	17	21	24	25	25	26	27	33	56	16
25	28	29	29	29	29	26	24	23	24	28	28	27	25	23	22	21	21	24	26	28	29	30	30	33	27	33	21
26	35	35	34	34	35	35	36	34	29	26	23	20	20	19	18	17	17	17	18	20	20	20	19	19	25	36	17
27	20	20	21	23	24	28	26	23	21	19	17	16	16	14	15	13	14	15	17	18	21	23	24	25	20	28	13
28	28	28	32	32	35	34	37	33	27	25	23	25	23	19	21	21	23	21	24	24	27	31	31	32	27	37	19
29	33	34	35	36	35	37	38	34	26	25	23	22	21	20	19	19	19	20	23	26	27	29	31	32	28	38	19
30	32	30	31	33	30	32	30	29	28	24	20	15	13	13	12	12	12	11	14	15	16	17	19	18	21	33	11
Avg	47	48	49	49	49	50	51	47	42	37	35	33	31	30	29	29	30	31	34	37	39	41	42	44	40	--	--
Max	95	97	95	94	91	90	94	89	84	74	71	76	67	69	70	70	70	71	67	70	78	88	93	93	--	97	--
Min	20	20	21	21	23	23	24	22	18	16	14	13	13	13	12	12	12	11	14	15	16	17	19	18	--	--	11

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Jul 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	0.064	0.064	0.064	0
3	0.161	0.024	0	0.095	0.06	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.348	0.161	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	--	--	--	0.02	0	0	0	0	0	0.02	0.02	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.016	0.012	0	0.028	0.016	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
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	0.008	0.008	0.008	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	0.052	0.032	0	0	0.084	0.052	0
29	0	0.004	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.316	0.213	0.008	0	0	0	0.545	0.316	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	0.004	0	0.004	0	0.106	0	0	0	0	0.114	0.106	0
Total	0.161	0.028	0.004	0.095	0.06	0.008	0	0	0	0	0	0	0	0	0	0.004	0	0.004	0.336	0.319	0.06	0.048	0.012	0.072	1.21	--	--
Max	0.161	0.024	0.004	0.095	0.06	0.008	0	0	0	0	0	0	0	0	0	0.004	0	0.004	0.316	0.213	0.052	0.032	0.012	0.064	--	0.316	--
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, West_Plant
"Component, Channel: Table100, Precip_Inches"
Month: Aug 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	0.028	0	0.004	0.012	0	0.044	0.028	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	0.063	0.004	0.016	0	0.083	0.063	0
12	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.004	0.004	0
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	0.004	0	0	0	0	0	0	0.004	0.004	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	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	0.004	0	0	0	0	0	0	0.004	0.004	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	0.055	0.276	0.024	0	0	0	0	0	0	0.355	0.276	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	0.54	0.386	0	0	0	0	0	0	0	0.926	0.54	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	0.111	0	0	0.004	0	0	0.115	0.111	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	0.3	0.068	0.368	0.3	0
Total	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.595	0.662	0.032	0.111	0.028	0.063	0.012	0.328	0.068	1.9	--	--
Max	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.54	0.386	0.024	0.111	0.028	0.063	0.004	0.3	0.068	--	0.54	--
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: Sep 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	0.028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.028	0.028	0
2	0	0.032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.032	0.032	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	0.004	0	0.004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.008	0.004	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	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	0.032	0.024	0.008	0.008	0.032	0.012	0.012	0.008	0	0	0.004	0.012	0.044	0.052	0.248	0.052	0
22	0.04	0.036	0.004	0	0	0	0.004	0	0	0	0	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0.092	0.04	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0.02	0.02	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.072	0.068	0.008	0	0	0	0.004	0	0	0	0.032	0.032	0.008	0.008	0.032	0.012	0.032	0.008	0	0	0.004	0.012	0.044	0.052	0.428	--	--
Max	0.04	0.036	0.004	0	0	0	0.004	0	0	0	0.032	0.024	0.008	0.008	0.032	0.012	0.02	0.008	0	0	0.004	0.012	0.044	0.052	--	0.052	--
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: Jul 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	683	683	683	683	683	683	683	683	683	683	683	683	682	682	682	681	681	681	681	681	682	682	683	683	682	683	681
2	683	683	683	683	683	683	683	683	683	683	683	683	682	682	681	681	680	680	680	680	681	681	681	681	682	683	680
3	682	682	681	682	683	683	684	683	683	683	682	682	682	681	681	680	679	679	679	680	680	680	680	680	681	684	679
4	680	680	680	680	680	680	681	681	681	682	682	682	681	681	681	680	680	680	680	681	681	681	681	681	681	682	680
5	681	681	681	681	682	682	683	683	684	684	684	684	684	683	682	683	683	683	683	683	683	683	683	684	683	684	681
6	683	684	684	684	684	684	684	685	684	685	684	684	684	683	683	682	681	681	681	681	682	682	682	682	683	685	681
7	682	682	682	682	682	683	683	683	683	683	683	683	682	681	681	680	680	679	679	679	679	680	680	680	681	683	679
8	680	680	680	680	680	680	681	681	681	681	681	681	680	679	679	679	678	678	678	678	679	680	680	680	680	681	678
9	680	680	680	680	680	681	681	681	681	681	681	681	681	680	680	679	679	679	679	679	680	680	681	681	680	681	679
10	681	681	681	681	681	682	682	682	683	683	682	682	682	681	681	680	680	680	680	680	680	681	681	682	681	683	680
11	682	682	682	682	682	682	683	683	683	684	684	684	683	683	683	682	682	682	682	682	683	683	683	684	683	684	682
12	684	684	684	684	684	684	684	685	685	685	685	684	684	683	683	682	682	682	682	683	683	684	684	683	684	685	682
13	683	683	683	683	683	683	683	684	684	683	683	683	682	681	681	--	--	--	682	682	684	684	684	684	683	684	681
14	684	684	684	684	684	684	684	684	684	684	684	684	683	683	682	682	681	681	682	682	682	683	684	684	683	684	681
15	684	683	683	684	684	684	685	685	686	686	686	686	685	685	684	683	683	683	683	683	683	684	684	684	684	686	683
16	685	685	685	685	685	685	686	686	686	--	--	685	684	684	683	683	682	682	682	683	683	684	685	685	684	686	682
17	684	684	684	684	684	684	685	685	686	686	686	686	685	685	684	683	683	683	683	683	684	684	685	685	684	686	683
18	685	684	684	685	685	685	686	686	687	687	687	686	686	685	685	684	684	685	685	686	686	687	688	688	686	688	684
19	687	687	687	687	687	688	688	688	688	688	688	688	688	687	687	686	686	686	686	686	687	687	687	687	687	688	686
20	687	687	687	687	687	687	687	687	687	687	687	687	686	686	685	685	684	684	684	684	684	684	684	684	686	687	684
21	684	684	684	684	684	684	684	684	684	684	684	684	684	683	683	682	681	681	681	681	682	682	682	683	683	684	681
22	683	683	683	683	683	684	684	684	684	684	684	684	684	683	683	682	682	682	682	682	683	683	684	684	683	684	682
23	684	685	685	685	685	685	686	686	687	687	687	687	686	686	686	685	685	685	685	685	686	687	687	687	686	687	684
24	686	686	686	686	687	687	687	688	688	688	688	687	687	686	686	685	685	684	685	685	685	686	686	686	686	688	684
25	685	685	685	685	685	686	686	686	686	686	686	686	685	685	684	684	683	683	683	683	683	683	683	683	685	686	683
26	683	683	682	683	683	683	684	684	684	684	684	684	684	683	683	682	682	682	682	682	683	683	683	683	683	684	682
27	683	683	683	683	683	684	684	684	684	684	684	684	683	683	683	682	682	682	682	682	683	683	683	683	683	684	682
28	683	683	683	684	684	684	685	685	685	685	685	684	684	683	683	682	682	682	683	683	684	685	686	686	684	686	682
29	686	686	685	685	685	686	686	686	687	687	687	687	686	686	685	685	684	685	687	687	687	686	687	687	686	687	684
30	687	686	686	686	687	687	687	688	688	688	688	688	687	687	686	685	685	685	685	685	686	686	687	686	687	688	685
31	686	686	686	686	686	686	687	687	687	687	687	687	686	685	685	686	686	686	686	687	687	687	686	686	686	687	685
Avg	684	683	683	684	684	684	684	685	685	685	685	684	684	683	683	683	682	682	682	683	683	683	684	684	684	--	--
Max	687	687	687	687	687	688	688	688	688	688	688	688	688	687	687	686	686	686	687	687	687	687	688	688	--	688	--
Min	680	680	680	680	680	680	681	681	681	681	681	681	680	679	679	679	678	678	678	678	679	680	680	680	--	--	678

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Aug 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	686	685	685	685	685	685	685	686	686	686	685	685	685	684	683	683	682	682	682	683	683	684	684	684	684	686	682
2	684	684	684	684	683	684	684	684	684	685	684	684	684	683	683	682	682	681	682	682	682	682	683	683	683	685	681
3	683	683	683	683	683	683	684	684	685	685	685	685	684	684	683	683	682	682	682	682	683	683	683	683	683	685	682
4	683	683	683	684	684	684	685	685	685	685	685	685	684	684	684	683	683	683	683	683	684	684	684	684	684	685	683
5	684	684	684	684	685	685	685	686	686	686	686	686	685	685	684	684	683	683	683	683	684	684	684	684	684	686	683
6	684	684	684	684	684	685	685	686	686	686	686	686	686	685	684	683	682	682	682	682	683	683	683	683	684	686	682
7	683	683	683	683	684	684	684	685	685	685	684	684	683	683	683	683	682	682	682	683	684	684	684	684	683	685	682
8	684	684	684	684	684	685	685	685	685	685	685	685	684	684	683	683	683	682	683	683	683	684	684	684	684	685	682
9	684	684	684	684	684	684	685	685	685	685	685	685	684	684	683	683	683	683	683	684	684	685	685	686	684	686	683
10	685	685	684	684	684	685	685	686	686	686	685	685	684	684	683	682	682	682	682	683	683	684	684	684	684	686	682
11	684	684	684	684	684	684	685	685	686	687	687	686	686	685	684	684	683	683	683	684	685	687	687	686	685	687	683
12	686	686	686	686	686	686	687	687	687	687	687	687	687	687	686	685	685	685	686	686	686	686	686	686	686	687	685
13	686	686	686	686	686	686	686	686	687	687	687	686	686	686	685	684	684	684	684	684	685	685	685	685	685	687	684
14	685	685	685	685	685	686	686	686	686	686	686	686	685	685	684	684	684	684	684	684	685	685	685	685	685	686	684
15	685	685	685	685	685	685	685	685	685	685	685	685	685	684	684	683	682	682	682	683	683	684	684	684	684	685	682
16	684	684	684	685	685	686	686	686	686	686	685	685	684	684	683	682	682	682	682	682	683	683	683	683	684	686	682
17	683	683	683	684	685	685	686	685	685	685	685	685	684	683	683	682	682	681	681	682	682	683	683	684	683	686	681
18	683	684	684	684	684	684	684	684	684	684	684	684	683	683	682	682	681	681	681	681	682	682	682	682	683	684	681
19	682	682	683	683	683	683	684	684	684	684	684	684	683	683	682	682	682	682	682	682	682	682	682	682	683	684	682
20	682	682	683	683	683	684	684	684	685	685	684	684	684	683	682	682	682	681	681	682	683	683	683	683	683	685	681
21	683	683	683	683	684	684	685	685	685	685	685	685	684	684	683	682	682	682	682	682	682	683	683	683	683	685	682
22	683	684	684	684	684	685	685	685	686	686	686	685	685	684	684	683	683	683	683	683	684	685	685	685	684	686	683
23	685	685	685	685	685	685	686	686	686	687	686	686	685	685	684	684	683	684	684	685	686	686	686	686	685	687	683
24	686	686	686	686	686	686	687	687	687	687	687	686	685	685	684	683	683	683	683	684	684	685	685	686	685	687	683
25	686	686	686	686	686	686	686	687	687	687	687	687	686	685	685	684	685	685	686	686	687	687	687	686	686	687	684
26	686	686	686	686	686	687	687	687	688	688	688	687	687	686	686	685	685	685	685	686	686	687	686	686	686	688	685
27	686	686	687	686	686	687	687	687	687	687	687	687	686	686	685	686	685	685	685	685	686	686	686	686	686	687	685
28	686	685	685	685	685	685	686	686	686	686	686	685	684	684	683	683	682	683	683	683	684	684	684	684	684	686	682
29	684	684	684	684	684	684	685	685	685	686	685	685	684	684	683	683	683	683	684	684	685	685	685	684	684	686	683
30	684	684	684	684	684	685	685	685	685	685	685	685	684	684	683	682	682	682	682	682	683	684	684	683	684	685	682
31	683	684	684	684	684	684	685	685	685	685	685	685	684	683	683	682	682	682	683	683	684	685	687	687	684	687	682
Avg	684	684	684	684	685	685	685	686	686	686	686	685	685	684	684	683	683	683	683	683	684	684	684	684	684	--	--
Max	686	686	687	686	686	687	687	687	688	688	688	687	687	687	686	686	685	685	686	686	687	687	687	687	--	688	--
Min	682	682	683	683	683	683	684	684	684	684	684	684	683	683	682	682	681	681	681	681	682	682	682	682	--	--	681

SAROAD for Resolution, West_Plant
"Component, Channel: Table100, BP_mmHg"
Month: Sep 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	686	685	685	685	685	684	685	685	686	686	686	685	685	685	684	684	683	683	684	684	685	685	685	685	685	686	683
2	686	686	685	685	685	686	686	686	686	686	686	686	685	685	684	684	684	684	684	684	684	684	684	684	685	686	684
3	684	684	684	684	684	684	685	685	685	685	685	684	684	683	683	683	683	684	684	684	684	684	683	683	684	685	683
4	683	683	683	683	683	683	684	684	684	684	684	684	683	683	683	682	682	683	683	683	684	684	684	684	683	684	682
5	684	684	683	684	684	684	684	685	685	686	686	686	685	685	685	684	684	684	684	685	685	685	685	685	685	686	683
6	685	685	685	685	685	685	686	686	686	686	686	686	685	685	684	684	684	683	683	684	684	685	684	684	685	686	683
7	684	684	684	684	684	684	685	685	686	686	686	685	684	684	683	683	683	683	683	683	684	684	684	684	684	686	683
8	684	684	683	683	683	684	684	685	685	685	685	685	684	684	683	683	683	683	683	684	684	684	684	685	684	685	683
9	685	685	685	685	685	685	685	685	685	685	685	684	684	684	683	683	683	683	683	684	684	685	685	685	684	685	683
10	685	685	685	685	685	685	685	686	686	686	686	686	686	686	686	685	685	685	685	685	685	685	685	685	685	686	685
11	685	685	685	685	685	685	685	686	686	686	686	686	685	685	684	684	684	684	684	685	685	685	686	686	685	686	684
12	686	686	685	685	685	685	686	686	686	686	686	686	685	684	683	683	683	684	683	683	684	684	684	684	685	686	683
13	684	684	684	683	684	683	684	684	684	684	684	683	683	682	681	681	681	680	681	683	683	684	684	684	683	684	680
14	683	683	683	682	682	683	683	684	684	684	684	684	683	683	682	682	681	681	681	681	682	683	683	683	683	684	681
15	683	683	683	683	684	684	684	685	685	685	685	685	685	684	684	683	683	683	683	684	684	684	685	685	684	685	683
16	685	685	685	685	685	685	686	686	686	686	686	686	685	685	684	684	684	684	684	684	684	684	684	684	685	686	684
17	684	684	684	684	684	684	685	685	685	685	685	685	684	684	683	683	683	683	682	683	683	683	683	683	684	685	682
18	683	683	683	683	683	683	683	684	684	684	684	684	683	683	682	682	682	682	682	682	682	682	682	682	683	684	682
19	682	682	682	682	682	682	683	683	683	683	683	683	683	682	682	682	682	682	683	683	684	684	684	684	683	684	682
20	684	684	684	684	684	685	685	685	685	685	685	685	684	683	683	682	682	682	682	682	682	683	683	683	684	685	682
21	683	683	683	683	683	683	683	683	683	683	683	682	682	682	681	681	681	681	681	682	683	683	683	683	682	683	681
22	683	683	683	684	684	684	684	685	685	686	686	686	685	685	684	683	683	684	684	684	685	685	685	685	684	686	683
23	685	684	684	684	684	685	685	685	685	686	685	685	684	684	683	683	683	683	683	683	684	684	684	684	684	686	683
24	684	684	684	684	684	684	685	685	685	685	685	685	684	684	683	683	683	683	684	684	684	685	685	685	684	685	683
25	685	685	685	685	685	686	686	687	687	687	687	686	686	685	685	684	684	684	684	685	685	685	685	685	685	687	684
26	685	685	685	685	685	685	686	686	686	686	686	685	685	684	684	683	683	683	683	683	683	683	683	683	684	686	683
27	683	683	683	683	683	683	684	684	684	684	684	684	683	683	682	682	682	682	682	683	683	683	683	683	683	684	682
28	683	683	683	683	683	683	684	684	685	685	685	684	684	683	683	683	683	683	683	683	683	684	684	683	683	685	683
29	683	683	683	683	683	683	684	684	685	685	685	684	684	683	683	682	682	682	683	683	683	683	683	683	683	685	682
30	683	683	683	683	683	684	684	684	685	685	685	684	684	684	683	683	683	683	683	683	683	684	684	684	684	685	683
Avg	684	684	684	684	684	684	685	685	685	685	685	685	684	684	683	683	683	683	683	683	684	684	684	684	684	--	--
Max	686	686	685	685	685	686	686	687	687	687	687	686	686	686	686	685	685	685	685	685	685	685	686	686	--	687	--
Min	682	682	682	682	682	682	683	683	683	683	683	682	682	682	681	681	681	680	681	681	682	682	682	682	--	--	680

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Jul 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	5.5	2.5	1.0	0.4	0.4	1.0	0.5	1.1	1.9	3.4	3.4	4.0	4.0	4.4	5.2	5.7	5.8	6.0	5.2	4.9	3.7	3.6	3.3	2.7	3.3	6.0	0.4
2	1.1	0.5	1.2	0.8	0.8	1.0	0.9	1.2	1.6	3.9	5.0	5.3	5.8	5.5	5.9	5.7	5.8	5.4	5.4	4.0	3.4	2.1	1.7	5.5	3.3	5.9	0.5
3	3.1	2.4	1.6	1.9	4.4	2.3	3.0	2.6	2.7	2.4	1.0	1.1	2.8	1.9	2.8	3.0	2.9	3.3	3.3	2.5	1.2	1.2	1.2	1.0	2.3	4.4	1.0
4	2.5	3.4	2.6	2.0	1.5	0.8	0.6	0.4	1.1	3.3	3.8	4.0	5.1	5.3	5.0	4.3	3.9	4.1	3.1	2.9	1.0	1.5	2.0	2.4	2.8	5.3	0.4
5	2.2	2.0	0.4	1.1	0.9	1.6	0.7	0.5	2.0	1.7	4.2	2.4	2.9	2.0	3.6	7.4	1.3	2.5	1.9	2.3	1.0	1.4	1.9	1.6	2.1	7.4	0.4
6	1.1	0.4	1.2	0.9	0.9	0.9	0.7	1.0	1.3	1.8	2.9	3.5	4.2	4.3	5.3	4.3	4.4	4.7	3.7	3.1	3.9	1.9	1.0	0.5	2.4	5.3	0.4
7	1.0	1.0	0.9	0.8	1.3	0.9	1.2	0.7	1.3	2.2	2.7	2.7	3.4	3.5	4.3	4.2	4.2	4.4	3.2	2.7	0.7	2.1	1.3	1.2	2.2	4.4	0.7
8	1.4	1.3	0.9	1.1	1.1	1.3	1.4	0.5	0.7	2.5	3.2	4.0	4.4	5.0	6.1	5.5	5.4	5.0	4.8	5.3	5.4	5.1	5.0	4.1	3.3	6.1	0.5
9	3.3	2.2	0.4	0.6	1.0	1.5	0.7	0.6	3.7	4.5	4.9	4.6	4.4	5.2	6.5	5.6	5.5	5.2	5.2	4.1	3.9	3.4	3.5	2.3	3.4	6.5	0.4
10	0.8	1.1	1.6	1.3	1.7	1.5	1.2	1.3	2.7	3.8	4.3	4.4	5.1	3.7	4.4	4.5	5.1	5.2	4.6	2.9	2.3	2.6	3.1	3.8	3.1	5.2	0.8
11	3.1	0.7	1.1	0.9	1.5	1.6	1.8	0.5	2.2	3.6	3.1	3.0	3.9	3.5	3.5	3.9	4.1	4.2	3.5	2.7	1.2	0.7	2.4	3.5	2.5	4.2	0.5
12	2.0	0.7	1.9	1.5	1.6	1.6	1.7	0.5	0.3	1.2	1.4	2.0	2.8	3.6	4.5	5.0	4.7	4.0	3.0	4.0	3.5	3.0	2.1	2.5	2.5	5.0	0.3
13	2.5	2.5	2.5	2.4	3.1	2.7	2.4	1.7	2.3	1.8	2.1	3.0	3.3	3.4	3.6	3.8	3.8	3.5	3.8	5.0	3.7	3.7	3.3	2.7	3.0	5.0	1.7
14	5.7	4.3	3.6	3.0	2.7	2.7	2.4	2.5	2.5	--	--	--	3.0	3.3	3.6	4.2	4.2	3.6	3.6	4.1	3.2	4.1	4.5	3.1	3.5	5.7	2.4
15	2.0	2.3	2.3	2.1	2.3	2.6	1.8	3.3	4.5	4.1	4.3	3.6	3.2	3.0	3.6	2.9	3.4	3.4	2.1	1.5	0.5	1.0	1.8	1.7	2.6	4.5	0.5
16	2.5	3.0	2.5	2.0	1.5	1.1	0.5	0.8	1.6	2.4	2.6	3.3	3.4	3.5	4.1	3.9	4.0	4.2	3.5	3.4	1.3	4.1	5.4	1.3	2.7	5.4	0.5
17	0.9	1.0	0.4	1.1	1.1	0.9	0.4	0.9	3.5	2.5	6.1	5.2	2.9	1.4	1.3	1.5	1.6	1.2	2.2	0.9	0.6	2.6	3.0	1.6	1.9	6.1	0.4
18	0.7	0.9	1.3	1.5	2.0	0.9	1.6	1.0	0.8	1.1	2.1	2.2	3.6	3.4	3.6	4.3	6.9	3.0	2.3	3.3	2.2	2.7	1.2	1.1	2.2	6.9	0.7
19	1.5	1.5	1.7	0.5	2.4	2.5	0.9	0.9	0.5	1.5	2.9	3.4	3.7	3.5	4.2	4.0	3.5	3.4	3.4	3.0	2.7	2.6	2.7	1.2	2.4	4.2	0.5
20	0.4	1.0	1.1	1.6	1.2	0.9	0.6	0.5	1.1	2.0	3.3	3.7	4.1	3.7	4.5	4.0	4.5	3.9	3.7	3.0	2.4	1.1	1.2	1.2	2.3	4.5	0.4
21	1.1	1.3	1.4	1.2	1.3	1.0	0.5	0.5	0.9	1.9	2.3	3.0	3.3	3.6	3.1	3.9	3.7	4.2	3.4	2.2	0.7	1.5	1.2	1.6	2.0	4.2	0.5
22	1.5	1.1	1.2	1.8	1.5	1.4	1.4	0.7	2.2	3.4	3.0	2.8	3.2	3.6	4.1	3.6	3.6	2.9	3.4	1.7	1.2	2.0	3.1	4.0	2.4	4.1	0.7
23	3.6	3.5	2.7	2.3	1.0	1.8	1.0	0.5	1.7	2.6	2.4	2.6	3.3	2.6	1.6	1.6	1.3	1.4	2.4	2.8	3.1	4.2	2.2	0.8	2.2	4.2	0.5
24	1.3	0.9	0.3	0.2	1.0	1.1	0.6	1.0	2.2	2.0	2.4	3.4	3.6	4.3	5.0	5.0	5.4	6.1	5.4	4.3	2.5	0.7	1.4	1.7	2.6	6.1	0.2
25	1.3	1.3	1.2	1.1	1.4	0.9	0.5	0.5	1.0	1.7	2.9	3.2	4.2	4.6	4.9	4.4	4.0	4.3	3.1	2.9	2.0	1.5	1.8	1.6	2.3	4.9	0.5
26	1.7	1.4	1.4	1.3	1.5	1.5	1.3	0.5	0.3	2.7	3.5	3.8	4.6	4.8	5.2	5.1	5.7	4.9	4.4	3.4	3.3	1.0	1.7	1.7	2.8	5.7	0.3
27	1.4	0.9	1.4	1.4	1.3	1.4	1.0	0.8	1.9	2.7	3.1	3.1	3.6	4.2	3.9	4.1	3.5	3.4	3.7	2.6	0.7	0.8	1.6	1.6	2.2	4.2	0.7
28	1.4	1.0	1.5	2.5	2.8	1.0	0.9	0.4	1.1	1.7	2.2	3.3	2.5	4.1	3.9	5.1	5.2	5.9	4.3	3.7	3.7	2.8	3.4	2.3	2.8	5.9	0.4
29	2.0	1.2	0.9	1.7	1.0	0.7	0.7	0.9	2.0	2.9	4.7	4.3	4.1	4.3	5.1	4.9	4.5	5.6	6.8	5.1	2.4	3.2	4.4	3.0	3.2	6.8	0.7
30	3.4	2.0	1.7	2.5	2.8	2.4	2.9	3.0	3.7	4.6	3.3	2.6	3.0	2.5	2.4	1.8	2.4	3.1	2.4	2.8	1.4	2.0	1.5	1.8	2.6	4.6	1.4
31	2.3	1.0	1.5	1.4	0.9	0.9	1.9	1.7	2.5	3.9	4.9	3.7	2.7	4.6	6.8	3.3	2.6	3.2	3.4	1.9	1.6	1.3	2.2	2.9	2.6	6.8	0.9
Avg	2.1	1.6	1.5	1.5	1.6	1.4	1.2	1.1	1.9	2.7	3.3	3.4	3.7	3.7	4.2	4.2	4.1	4.0	3.7	3.2	2.3	2.3	2.5	2.2	2.6	--	--
Max	5.7	4.3	3.6	3.0	4.4	2.7	3.0	3.3	4.5	4.6	6.1	5.3	5.8	5.5	6.8	7.4	6.9	6.1	6.8	5.3	5.4	5.1	5.4	5.5	--	7.4	--
Min	0.4	0.4	0.3	0.2	0.4	0.7	0.4	0.4	0.3	1.1	1.0	1.1	2.5	1.4	1.3	1.5	1.3	1.2	1.9	0.9	0.5	0.7	1.0	0.5	--	--	0.2

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Aug 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	2.1	1.8	1.1	0.9	1.8	1.6	0.5	0.8	0.5	2.5	2.8	2.6	3.3	3.2	3.0	3.9	4.4	4.2	3.6	3.2	1.7	1.4	1.8	2.0	2.3	4.4	0.5
2	2.6	2.2	1.9	1.8	2.1	2.8	2.3	2.8	2.5	2.2	2.3	3.1	3.9	4.6	4.3	4.7	4.8	4.2	3.5	2.2	1.0	2.3	1.5	1.9	2.8	4.8	1.0
3	1.5	1.5	1.3	1.2	1.8	1.2	1.2	0.9	1.2	2.5	2.5	2.9	2.8	3.3	3.3	4.0	4.1	4.3	4.0	2.7	0.7	2.4	1.6	1.4	2.3	4.3	0.7
4	1.5	1.6	1.3	1.5	1.1	1.3	1.4	1.0	0.7	1.8	2.3	3.1	3.3	4.8	5.3	5.2	5.2	4.6	4.4	3.1	0.9	1.7	1.7	1.4	2.5	5.3	0.7
5	1.4	1.6	1.6	1.5	1.3	1.4	1.4	1.1	0.8	2.5	3.4	3.5	4.2	4.4	4.9	4.7	4.9	5.0	4.6	3.2	1.2	2.0	1.7	1.5	2.6	5.0	0.8
6	1.2	1.2	1.1	1.0	1.3	1.1	0.6	0.6	1.1	2.2	3.5	4.2	2.8	2.5	1.8	1.4	1.3	1.6	1.4	1.3	2.0	1.4	2.0	0.8	1.6	4.2	0.6
7	0.7	0.9	2.0	2.2	2.4	1.7	0.9	0.6	2.4	2.1	2.5	3.6	4.8	4.7	6.6	6.3	3.3	4.6	1.9	1.9	1.8	1.8	1.7	2.0	2.6	6.6	0.6
8	1.7	3.1	2.8	2.8	3.2	3.4	3.2	2.7	2.2	1.9	2.5	2.4	2.6	3.0	3.9	3.8	3.7	3.4	3.2	1.8	0.4	0.4	1.7	0.8	2.5	3.9	0.4
9	0.9	0.8	1.2	0.7	1.4	1.3	1.2	1.8	1.2	1.4	2.0	3.5	3.5	3.9	3.7	3.5	4.0	3.7	3.1	2.8	4.5	3.3	1.7	2.8	2.4	4.5	0.7
10	5.8	4.7	2.0	1.2	2.7	2.5	2.0	1.8	1.6	1.3	1.9	1.7	1.5	2.2	1.9	3.1	3.2	3.5	4.2	2.7	1.8	2.2	1.5	3.0	2.5	5.8	1.2
11	2.7	1.0	1.5	1.9	1.8	1.7	2.3	2.9	5.4	3.7	3.0	2.9	3.6	2.3	1.6	2.0	2.9	3.8	3.7	2.2	4.3	2.1	3.4	6.2	2.9	6.2	1.0
12	5.9	4.4	5.2	4.7	4.8	4.4	4.3	4.6	4.5	4.2	3.0	4.1	2.9	3.3	2.8	2.4	2.1	2.3	5.5	2.5	1.0	2.1	1.7	1.1	3.5	5.9	1.0
13	1.5	1.4	2.0	3.4	4.0	3.7	3.1	2.4	3.2	2.9	3.5	4.6	4.2	4.3	3.1	3.1	3.1	2.3	2.8	2.4	1.1	0.8	1.5	1.2	2.7	4.6	0.8
14	0.7	1.1	0.5	0.7	1.2	2.0	1.1	0.8	1.0	1.6	1.9	2.4	3.5	3.4	2.9	5.4	4.5	5.2	2.6	3.5	2.7	2.0	2.1	1.5	2.3	5.4	0.5
15	1.0	1.1	2.0	1.9	2.7	3.4	3.7	3.1	1.8	2.1	3.7	3.4	3.5	3.4	3.5	3.8	4.0	3.9	3.9	2.4	0.9	1.0	2.5	2.2	2.7	4.0	0.9
16	1.2	1.2	0.8	1.0	1.1	2.2	2.6	1.8	1.9	1.1	1.5	3.7	4.3	4.3	4.4	4.5	5.3	4.8	5.2	2.5	0.7	1.4	1.5	1.1	2.5	5.3	0.7
17	1.5	3.1	4.1	3.8	2.5	3.1	1.6	0.5	1.9	3.2	2.9	2.5	2.7	3.0	4.9	5.6	5.4	5.3	4.9	4.3	3.0	3.3	3.5	3.1	3.3	5.6	0.5
18	3.2	3.5	0.9	0.4	0.5	0.7	0.8	0.7	1.5	2.3	2.5	2.9	3.8	4.3	5.1	5.4	5.2	4.9	4.7	3.8	2.2	1.0	1.2	1.3	2.6	5.4	0.4
19	1.5	1.5	0.9	1.4	1.2	1.4	1.7	1.2	0.9	2.5	2.1	3.1	3.6	3.7	4.7	4.5	5.1	4.2	3.8	1.8	0.6	1.6	1.8	1.6	2.3	5.1	0.6
20	1.0	1.8	1.7	1.1	1.3	0.8	0.7	0.4	1.9	2.5	2.6	3.3	3.2	3.7	3.3	4.1	4.2	3.8	3.9	4.9	3.5	1.5	0.8	1.2	2.4	4.9	0.4
21	1.3	0.9	0.8	0.9	1.1	1.1	1.3	0.9	1.5	2.8	3.3	2.9	3.5	3.8	4.1	4.8	4.4	4.0	4.0	2.3	0.7	0.8	1.4	2.0	2.3	4.8	0.7
22	3.0	2.4	3.6	4.5	3.1	1.8	1.5	2.7	3.0	3.1	3.2	3.4	3.8	3.8	3.9	4.6	4.5	4.0	3.4	2.5	4.2	1.9	0.6	0.4	3.0	4.6	0.4
23	0.9	1.3	0.8	1.4	1.6	1.5	1.1	0.5	0.6	1.3	1.9	2.2	2.6	3.3	4.4	4.4	5.5	5.4	3.8	3.9	4.2	2.7	1.4	1.9	2.4	5.5	0.5
24	1.8	1.2	1.7	1.6	2.4	3.1	3.4	3.5	4.1	4.2	2.6	1.8	2.4	2.7	2.8	3.3	3.5	4.2	3.9	3.0	2.0	1.2	4.1	4.8	2.9	4.8	1.2
25	4.5	3.4	4.3	3.4	4.5	3.9	2.3	2.9	1.9	1.2	2.6	4.7	3.9	2.4	2.2	3.4	6.8	3.2	1.5	2.6	2.1	4.5	3.8	5.3	3.4	6.8	1.2
26	4.5	4.3	4.3	4.1	2.3	2.3	2.1	2.0	2.8	3.6	2.4	1.9	1.8	1.9	1.9	2.7	3.6	4.2	4.1	4.5	3.7	2.4	1.4	1.5	2.9	4.5	1.4
27	1.1	0.5	1.3	1.9	2.5	3.5	3.1	2.2	1.3	1.1	1.9	3.2	3.9	3.0	3.4	7.8	7.5	5.3	4.8	3.0	3.1	2.5	2.6	3.4	3.1	7.8	0.5
28	1.6	2.0	3.2	3.0	3.4	2.8	2.5	1.6	0.7	0.9	1.3	2.3	2.4	3.8	3.7	4.2	3.6	3.6	4.0	2.3	0.7	2.1	1.9	1.5	2.5	4.2	0.7
29	2.0	1.8	1.8	1.5	1.2	1.1	1.3	2.0	3.0	2.8	2.7	1.9	2.3	2.7	4.3	2.1	2.2	4.0	4.1	2.5	3.4	2.7	1.5	1.9	2.4	4.3	1.1
30	2.4	1.4	0.6	1.9	2.4	2.8	2.2	3.1	3.3	3.3	2.4	2.8	2.3	3.8	4.0	3.1	2.8	2.8	2.8	2.2	4.2	3.4	2.0	1.0	2.6	4.2	0.6
31	0.7	0.7	0.9	1.6	0.6	1.1	1.5	0.8	1.5	1.9	2.2	2.9	3.4	4.1	4.1	4.2	3.5	3.9	3.0	4.7	6.2	6.4	3.7	4.8	2.9	6.4	0.6
Avg	2.0	1.9	1.9	2.0	2.1	2.2	1.9	1.8	2.0	2.3	2.5	3.0	3.2	3.5	3.7	4.1	4.1	4.0	3.7	2.9	2.3	2.1	2.0	2.1	2.6	--	--
Max	5.9	4.7	5.2	4.7	4.8	4.4	4.3	4.6	5.4	4.2	3.7	4.7	4.8	4.8	6.6	7.8	7.5	5.4	5.5	4.9	6.2	6.4	4.1	6.2	--	7.8	--
Min	0.7	0.5	0.5	0.4	0.5	0.7	0.5	0.4	0.5	0.9	1.3	1.7	1.5	1.9	1.6	1.4	1.3	1.6	1.4	1.3	0.4	0.4	0.6	0.4	--	--	0.4

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_20m"
Month: Sep 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	3.3	4.2	4.2	2.8	3.3	3.9	3.3	3.4	2.4	2.2	2.1	1.9	2.0	2.5	2.4	2.7	2.8	2.2	0.4	1.4	1.5	1.5	4.1	2.6	4.2	0.4
2	3.6	2.2	1.7	1.7	1.2	1.5	1.2	0.6	0.8	1.6	1.9	1.8	2.8	3.4	4.1	4.0	3.3	2.1	0.8	1.1	1.6	1.9	2.3	2.4	2.1	4.1	0.6
3	3.4	4.1	2.4	1.7	1.0	1.0	1.3	1.3	2.7	2.0	2.3	3.1	3.0	3.4	4.1	3.7	3.3	5.6	2.5	1.4	0.6	0.8	1.5	2.7	2.4	5.6	0.6
4	1.7	1.4	1.7	1.2	0.9	1.3	0.9	0.6	0.8	1.5	1.7	2.0	2.4	2.0	3.2	3.8	3.7	3.6	2.8	2.0	1.1	1.2	2.1	1.7	1.9	3.8	0.6
5	0.8	1.3	1.0	1.8	2.3	1.1	0.8	0.7	3.1	4.1	4.5	5.8	6.2	4.0	3.5	3.8	3.0	2.7	2.6	2.7	1.9	1.6	1.5	1.4	2.6	6.2	0.7
6	1.5	2.0	1.3	1.6	2.4	2.7	2.1	2.4	2.9	2.7	1.8	2.1	3.0	2.8	3.2	3.3	3.0	3.7	3.3	2.8	0.7	1.9	1.6	1.5	2.3	3.7	0.7
7	1.7	1.6	1.5	0.8	1.0	2.2	1.4	1.0	0.2	1.3	3.7	3.2	2.9	4.6	5.1	5.4	4.2	3.4	3.4	2.1	1.9	1.0	1.6	2.6	2.4	5.4	0.2
8	1.9	1.3	1.3	1.2	1.7	1.5	0.6	0.8	1.3	2.1	1.4	3.4	3.7	4.6	3.7	3.0	2.8	2.7	2.8	1.4	1.5	2.7	1.7	2.2	2.1	4.6	0.6
9	1.0	0.3	0.8	1.1	0.8	1.4	0.4	0.7	1.3	1.1	1.7	2.9	3.4	3.9	3.6	3.2	3.4	2.9	2.7	2.5	2.0	2.0	1.0	0.4	1.9	3.9	0.3
10	0.8	0.9	2.3	2.0	0.9	1.1	1.1	1.2	1.1	1.3	1.4	3.2	4.7	5.7	4.6	3.7	2.7	2.5	1.8	1.1	0.5	0.5	0.9	0.8	1.9	5.7	0.5
11	0.3	0.6	1.1	1.3	1.1	1.3	1.4	1.4	0.8	2.0	2.7	3.3	3.4	3.9	4.3	4.2	4.2	3.7	2.9	0.7	1.4	1.9	1.4	1.3	2.1	4.3	0.3
12	0.9	1.8	1.4	1.0	1.0	0.8	1.4	0.7	0.7	1.3	1.7	2.7	2.6	2.3	2.1	4.6	3.7	1.5	2.2	1.9	3.2	1.1	0.9	1.4	1.8	4.6	0.7
13	1.3	1.4	1.0	1.1	0.9	1.4	1.2	2.2	1.6	3.3	3.3	2.9	4.1	4.4	3.7	3.6	3.9	3.4	5.1	5.2	5.1	4.0	0.9	2.8	2.8	5.2	0.9
14	2.5	1.4	0.9	1.0	1.6	1.1	0.5	0.4	0.9	1.1	1.9	4.1	3.2	3.6	3.2	3.9	3.2	2.8	1.3	1.8	3.8	3.8	2.0	1.9	2.2	4.1	0.4
15	1.7	1.2	0.5	1.5	2.4	1.3	2.2	3.2	3.0	4.0	4.2	4.5	5.1	5.1	4.4	4.5	4.5	4.5	4.6	5.2	2.9	2.4	3.3	3.5	3.3	5.2	0.5
16	3.7	2.0	0.8	1.8	1.3	0.9	1.7	1.0	1.9	3.4	2.8	3.3	3.2	4.4	5.1	4.9	4.7	3.7	2.9	2.0	1.8	2.3	0.5	1.8	2.6	5.1	0.5
17	2.0	0.9	1.4	1.4	1.1	1.3	1.3	0.8	0.5	1.2	2.5	3.5	3.5	4.0	4.4	4.8	4.3	2.8	2.6	1.0	1.2	1.3	1.5	1.4	2.1	4.8	0.5
18	1.5	1.6	1.5	1.3	1.2	1.4	1.5	1.7	2.0	1.6	2.3	3.0	3.4	3.6	3.6	3.9	3.9	4.0	2.4	0.4	1.0	1.5	1.4	1.5	2.1	4.0	0.4
19	1.6	1.5	1.6	0.9	1.2	0.9	1.6	0.8	0.6	2.5	2.3	3.0	3.9	3.9	3.4	3.3	3.1	6.0	6.1	4.3	4.7	2.4	2.2	3.1	2.7	6.1	0.6
20	2.9	3.1	1.6	2.4	2.5	2.4	2.8	2.7	3.7	3.6	2.7	2.0	2.8	2.3	2.5	3.1	3.1	3.5	2.9	0.9	1.1	1.6	1.3	2.8	2.5	3.7	0.9
21	1.7	0.7	1.1	1.0	0.3	0.7	1.1	1.0	1.1	2.4	3.5	3.1	5.6	5.2	5.0	4.9	5.2	5.5	3.7	3.7	1.3	2.3	1.7	0.9	2.6	5.6	0.3
22	0.3	1.6	0.7	1.0	0.9	1.0	1.2	0.7	0.7	0.9	1.2	1.1	1.0	1.9	2.6	2.6	3.3	2.5	2.2	2.0	2.4	2.6	1.4	1.2	1.5	3.3	0.3
23	1.1	1.2	1.6	1.1	1.6	1.5	1.1	1.7	0.5	1.0	1.6	1.5	1.5	3.0	2.6	4.0	3.9	3.4	2.3	0.7	1.2	1.5	1.3	1.7	1.8	4.0	0.5
24	1.3	1.6	1.7	1.2	1.2	0.6	0.4	1.2	1.3	2.8	2.3	1.8	2.6	3.3	1.9	2.3	2.8	3.3	1.6	1.5	1.5	1.6	1.9	1.8	1.8	3.3	0.4
25	1.8	0.9	1.5	3.0	4.3	3.7	2.1	2.2	3.5	5.7	6.9	7.3	7.3	7.1	6.9	6.6	6.1	6.8	3.0	2.9	2.8	2.6	1.6	1.6	4.1	7.3	0.9
26	1.5	1.2	0.9	1.8	2.2	2.0	2.5	3.4	4.9	6.8	8.3	7.4	5.4	4.3	4.2	4.3	3.6	3.2	2.0	1.1	1.1	1.7	1.9	2.1	3.2	8.3	0.9
27	2.0	2.4	2.7	2.6	1.6	2.4	2.8	2.6	2.8	2.1	2.1	2.2	2.7	3.7	3.8	3.4	3.3	3.3	2.6	1.2	2.0	1.8	2.0	1.6	2.5	3.8	1.2
28	1.8	1.3	1.1	1.9	1.7	1.2	1.2	1.4	0.5	1.6	3.3	3.1	3.1	3.2	3.6	3.9	3.1	2.8	1.7	0.9	2.4	1.6	1.8	1.7	2.1	3.9	0.5
29	1.2	1.4	1.6	1.3	1.3	1.3	1.2	1.0	0.7	1.6	2.8	3.2	3.1	2.9	2.6	3.2	3.2	3.5	2.5	0.9	2.1	1.7	1.4	1.6	2.0	3.5	0.7
30	1.5	1.6	1.3	1.3	1.5	1.5	1.2	0.8	0.9	0.9	2.0	2.8	3.2	3.1	3.3	3.5	4.0	2.9	1.1	1.9	2.3	1.9	1.8	1.3	2.0	4.0	0.8
Avg	1.7	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.7	2.3	2.8	3.2	3.5	3.7	3.7	3.9	3.6	3.5	2.7	1.9	1.9	1.9	1.6	1.9	2.3	--	--
Max	3.7	4.1	4.2	4.2	4.3	3.7	3.9	3.4	4.9	6.8	8.3	7.4	7.3	7.1	6.9	6.6	6.1	6.8	6.1	5.2	5.1	4.0	3.3	4.1	--	8.3	--
Min	0.3	0.3	0.5	0.8	0.3	0.6	0.4	0.4	0.2	0.9	1.2	1.1	1.0	1.9	1.9	2.3	2.7	1.5	0.8	0.4	0.5	0.5	0.5	0.4	--	--	0.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: Jul 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	4.7	2.0	0.8	0.4	0.5	0.5	0.4	1.0	1.7	3.0	3.0	3.6	3.6	3.9	4.5	4.9	4.9	4.9	4.4	3.9	2.9	2.8	2.6	2.1	2.8	4.9	0.4
2	0.9	0.3	0.8	0.7	0.6	0.6	0.7	1.1	1.4	3.5	4.3	4.7	5.0	4.8	5.2	4.9	4.9	4.6	4.4	3.2	2.6	1.4	1.3	4.3	2.8	5.2	0.3
3	2.2	1.7	1.1	1.5	3.0	1.7	2.1	1.9	1.8	1.7	0.9	0.9	2.5	1.6	2.4	2.7	2.5	2.9	2.8	1.7	0.9	1.0	0.8	0.7	1.8	3.0	0.7
4	1.8	2.5	1.6	1.3	0.7	0.5	0.5	0.4	0.9	2.5	3.1	3.4	4.5	4.5	4.3	3.6	3.3	3.3	2.5	2.4	0.7	1.1	1.5	1.6	2.2	4.5	0.4
5	1.6	1.2	0.3	0.7	0.5	1.0	0.4	0.4	1.7	1.3	3.0	1.8	2.5	1.8	3.1	6.3	1.1	1.9	1.5	1.7	0.7	1.0	1.3	1.0	1.6	6.3	0.3
6	0.7	0.3	0.9	0.6	0.6	0.7	0.6	0.9	1.1	1.7	2.6	3.1	3.8	3.8	4.6	3.8	3.8	3.9	3.0	2.6	3.3	1.5	0.7	0.4	2.0	4.6	0.3
7	0.6	0.6	0.7	0.5	0.8	0.5	0.9	0.7	1.2	2.0	2.4	2.4	3.0	3.1	3.8	3.6	3.6	3.7	2.7	1.9	0.6	1.2	0.9	0.6	1.7	3.8	0.5
8	1.0	0.7	0.7	0.9	0.8	0.7	0.9	0.4	0.7	2.3	2.7	3.5	3.8	4.3	5.3	4.8	4.7	4.2	4.0	4.5	4.5	4.3	4.2	3.4	2.8	5.3	0.4
9	2.7	1.6	0.2	0.5	0.8	1.0	0.5	0.6	3.1	3.9	4.3	3.9	3.9	4.4	5.5	4.9	4.8	4.5	4.4	3.5	3.2	2.7	2.6	1.7	2.9	5.5	0.2
10	0.7	0.9	1.1	0.7	1.0	0.9	0.9	1.2	2.4	3.3	3.6	3.9	4.4	3.2	3.8	4.0	4.5	4.5	3.9	2.4	1.8	2.0	2.3	2.9	2.5	4.5	0.7
11	2.3	0.6	0.9	0.6	0.7	0.7	1.2	0.4	1.8	2.9	2.5	2.6	3.4	3.2	3.1	3.4	3.7	3.6	3.0	2.0	0.6	0.5	1.8	2.6	2.0	3.7	0.4
12	1.6	0.6	1.3	0.8	1.0	0.9	1.2	0.4	0.3	1.1	1.3	1.9	2.6	3.1	3.9	4.3	4.1	3.5	2.5	2.9	2.7	2.2	1.6	1.5	2.0	4.3	0.3
13	1.7	1.7	1.6	1.4	2.2	1.9	1.8	1.3	1.9	1.6	2.0	2.7	3.1	3.0	3.2	3.4	3.3	3.0	3.1	4.1	2.9	2.9	2.6	1.9	2.4	4.1	1.3
14	4.3	3.3	2.8	2.2	2.0	2.1	1.6	1.9	1.9	--	--	--	2.6	3.0	3.2	3.7	3.7	3.2	3.1	3.5	2.7	3.3	3.3	2.2	2.8	4.3	1.6
15	1.3	1.6	1.7	1.5	1.5	1.7	1.3	2.6	3.4	3.3	3.9	3.2	2.9	2.7	3.2	2.5	2.9	3.0	1.9	1.1	0.5	0.8	1.4	1.2	2.1	3.9	0.5
16	1.8	2.1	1.9	1.4	1.0	0.8	0.3	0.7	1.5	2.1	2.3	2.9	3.1	3.1	3.6	3.4	3.5	3.6	2.9	2.6	1.1	3.2	4.5	1.2	2.3	4.5	0.3
17	0.6	0.5	0.4	0.8	0.7	0.5	0.4	0.8	3.0	2.0	4.6	4.0	2.4	1.2	1.1	1.5	1.5	1.0	1.9	0.7	0.3	2.2	2.5	1.2	1.5	4.6	0.3
18	0.6	0.6	0.8	1.1	1.7	0.6	1.1	0.9	0.7	1.0	1.9	2.0	3.3	3.0	3.2	3.6	5.8	2.6	2.0	2.8	1.6	2.0	0.9	0.8	1.9	5.8	0.6
19	1.0	1.0	1.2	0.4	1.8	2.0	0.8	0.7	0.5	1.4	2.6	3.0	3.3	3.1	3.8	3.6	3.2	2.9	2.8	2.4	2.0	1.9	2.1	0.8	2.0	3.8	0.4
20	0.2	1.0	0.9	1.1	0.8	0.6	0.4	0.5	1.1	1.8	2.9	3.3	3.6	3.2	3.9	3.5	3.9	3.3	3.1	2.3	1.6	0.7	0.8	0.9	1.9	3.9	0.2
21	0.7	0.9	1.0	0.6	0.7	0.8	0.4	0.4	0.9	1.8	2.1	2.7	3.0	3.2	2.8	3.5	3.1	3.6	2.8	1.5	0.4	0.9	0.6	1.2	1.6	3.6	0.4
22	0.9	0.8	1.0	1.1	0.6	1.1	0.9	0.5	2.0	3.0	2.7	2.5	2.8	3.2	3.6	3.2	3.2	2.6	2.8	1.1	0.6	0.9	2.3	3.2	1.9	3.6	0.5
23	2.9	2.9	2.1	1.8	0.9	0.9	0.6	0.4	1.5	2.3	2.2	2.4	3.0	2.2	1.5	1.5	1.2	1.2	2.0	2.3	2.4	3.5	1.8	0.7	1.8	3.5	0.4
24	0.9	0.8	0.1	0.2	0.6	0.7	0.5	0.9	2.0	1.8	2.2	3.1	3.3	3.8	4.4	4.4	4.6	5.1	4.4	3.4	1.8	0.4	1.0	0.8	2.1	5.1	0.1
25	0.8	0.7	0.9	0.6	1.0	0.5	0.2	0.5	0.9	1.7	2.6	2.9	3.8	3.9	4.1	3.8	3.4	3.5	2.4	2.1	1.2	1.1	1.2	0.9	1.9	4.1	0.2
26	0.9	0.6	0.7	0.7	0.8	1.0	0.8	0.3	0.3	2.4	3.1	3.4	4.0	4.1	4.4	4.4	4.7	4.1	3.5	2.6	2.5	0.8	1.0	1.1	2.2	4.7	0.3
27	0.8	0.5	0.6	0.5	0.8	0.9	0.6	0.6	1.7	2.4	2.7	2.8	3.1	3.7	3.4	3.4	3.1	2.8	3.0	1.9	0.4	0.7	0.8	1.1	1.8	3.7	0.4
28	0.7	0.7	0.9	1.9	2.3	0.8	0.6	0.4	1.1	1.5	2.0	3.0	2.2	3.6	3.5	4.4	4.5	4.9	3.6	3.0	2.8	2.1	2.8	1.8	2.3	4.9	0.4
29	1.4	0.8	0.6	1.2	0.7	0.4	0.5	0.7	1.8	2.6	4.2	3.8	3.7	3.9	4.4	4.2	3.9	4.6	5.4	3.9	1.8	2.5	3.3	2.3	2.6	5.4	0.4
30	2.6	1.3	1.3	2.0	2.0	1.6	2.1	2.4	3.1	3.7	2.8	2.2	2.5	2.2	2.1	1.6	2.1	2.7	2.0	2.1	0.8	1.2	0.9	1.1	2.0	3.7	0.8
31	1.3	0.7	0.9	0.8	0.9	0.7	1.3	1.3	2.0	3.0	3.8	3.1	2.3	3.9	5.6	2.7	2.0	2.4	2.6	1.3	1.2	0.9	1.5	2.1	2.0	5.6	0.7
Avg	1.5	1.2	1.0	1.0	1.1	0.9	0.9	0.9	1.6	2.3	2.8	3.0	3.3	3.3	3.7	3.7	3.5	3.4	3.0	2.5	1.7	1.7	1.8	1.6	2.1	--	--
Max	4.7	3.3	2.8	2.2	3.0	2.1	2.1	2.6	3.4	3.9	4.6	4.7	5.0	4.8	5.6	6.3	5.8	5.1	5.4	4.5	4.5	4.3	4.5	4.3	--	6.3	--
Min	0.2	0.3	0.1	0.2	0.5	0.4	0.2	0.3	0.3	1.0	0.9	0.9	2.2	1.2	1.1	1.5	1.1	1.0	1.5	0.7	0.3	0.4	0.6	0.4	--	--	0.1

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: Aug 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	1.5	1.4	0.9	0.7	1.3	1.0	0.4	0.7	0.5	2.0	2.4	2.2	2.7	2.9	2.7	3.4	3.8	3.6	3.1	2.5	1.2	0.9	1.4	1.4	1.9	3.8	0.4
2	2.0	1.5	1.3	1.3	1.5	2.0	1.6	2.3	2.2	1.9	2.0	2.8	3.5	4.0	3.8	4.1	4.1	3.6	2.9	1.7	0.9	1.6	0.9	1.1	2.3	4.1	0.9
3	1.0	1.0	0.9	0.9	1.2	0.9	0.8	0.7	1.2	2.3	2.3	2.7	2.6	3.0	2.9	3.5	3.6	3.6	3.3	1.8	0.5	1.3	0.9	0.9	1.8	3.6	0.5
4	1.1	0.9	0.7	0.8	0.6	0.6	0.9	0.8	0.7	1.7	2.1	2.8	3.1	4.2	4.5	4.5	4.4	3.8	3.6	2.3	0.7	0.9	1.0	0.9	2.0	4.5	0.6
5	0.7	1.1	0.9	0.7	0.9	0.8	1.0	0.9	0.8	2.3	3.0	3.1	3.7	3.8	4.2	4.1	4.2	4.3	3.9	2.3	0.6	1.3	0.9	1.0	2.1	4.3	0.6
6	0.8	0.9	0.9	0.8	0.9	0.9	0.5	0.6	0.9	2.0	3.1	3.7	2.4	2.1	1.6	1.3	1.2	1.4	1.2	0.8	1.5	1.2	1.2	0.5	1.4	3.7	0.5
7	0.7	0.8	1.5	1.7	2.0	1.2	0.7	0.4	2.1	1.9	2.2	3.1	4.3	4.2	5.1	4.8	2.7	3.6	1.6	1.5	1.3	1.3	1.2	1.4	2.1	5.1	0.4
8	1.1	2.2	2.2	2.1	2.6	2.6	2.2	2.0	1.9	1.7	2.1	2.2	2.4	2.6	3.5	3.4	3.3	3.0	2.6	1.3	0.3	0.5	1.1	0.5	2.1	3.5	0.3
9	0.6	0.7	0.8	0.6	0.8	0.8	0.8	1.5	1.1	1.4	1.9	3.1	3.2	3.4	3.3	3.0	3.5	3.2	2.6	2.3	3.5	2.6	1.2	2.1	2.0	3.5	0.6
10	4.6	3.8	1.3	0.8	2.2	1.7	1.6	1.4	1.3	1.2	1.6	1.5	1.5	1.9	1.8	2.8	2.9	3.1	3.6	2.1	1.4	1.7	1.0	2.3	2.0	4.6	0.8
11	1.8	0.7	1.0	1.3	1.2	1.1	1.6	2.3	4.1	2.9	2.3	2.3	2.9	2.0	1.4	1.8	2.6	3.3	3.0	1.7	3.3	1.7	2.5	4.8	2.2	4.8	0.7
12	4.6	3.5	4.0	3.7	3.8	3.4	3.3	3.7	3.6	3.4	2.5	3.3	2.5	2.8	2.4	2.0	1.7	1.8	4.3	1.9	0.8	1.4	1.2	0.7	2.8	4.6	0.7
13	1.0	1.1	1.3	2.1	2.7	2.6	2.3	1.8	2.6	2.5	2.9	3.7	3.4	3.4	2.5	2.7	2.5	1.9	2.1	1.4	0.7	0.7	1.1	0.8	2.1	3.7	0.7
14	0.4	0.7	0.4	0.6	0.9	1.5	0.7	0.6	0.8	1.4	1.7	2.0	2.8	2.8	2.4	4.7	3.6	4.0	2.0	2.7	2.1	1.4	1.5	0.9	1.8	4.7	0.4
15	0.8	0.6	1.4	1.2	1.5	2.4	2.5	2.2	1.5	2.0	3.3	3.1	3.1	3.1	3.1	3.3	3.5	3.3	3.2	1.7	0.5	0.7	1.7	1.1	2.1	3.5	0.5
16	0.8	0.8	0.7	1.0	0.7	1.8	2.2	1.6	1.7	1.1	1.4	3.3	3.8	3.8	3.9	3.9	4.6	4.1	4.3	1.9	0.5	0.8	0.8	0.7	2.1	4.6	0.5
17	0.9	2.3	3.5	3.1	1.9	2.4	1.2	0.4	1.8	2.8	2.5	2.3	2.5	2.6	4.3	4.7	4.6	4.4	3.9	3.3	2.2	2.4	2.8	2.6	2.7	4.7	0.4
18	2.7	2.8	0.7	0.4	0.4	0.7	0.6	0.6	1.5	2.1	2.3	2.7	3.5	3.9	4.5	4.6	4.5	4.2	3.8	3.0	1.2	0.6	0.9	1.0	2.2	4.6	0.4
19	1.0	1.0	0.6	1.0	0.7	1.1	1.1	1.0	0.9	2.3	1.9	2.8	3.2	3.2	4.1	3.9	4.3	3.6	3.1	1.1	0.5	1.1	1.2	0.9	1.9	4.3	0.5
20	0.5	1.1	1.1	0.5	0.8	0.5	0.6	0.4	1.7	2.4	2.3	2.9	2.8	3.3	3.0	3.5	3.6	3.3	3.2	4.1	2.9	1.2	0.5	0.9	2.0	4.1	0.4
21	0.7	0.7	0.6	0.8	0.8	0.8	0.8	0.7	1.3	2.5	2.9	2.6	3.1	3.5	3.6	4.2	3.8	3.4	3.3	1.6	0.4	0.6	0.7	1.3	1.9	4.2	0.4
22	2.3	1.8	3.0	3.8	2.6	1.4	1.2	2.4	2.7	2.7	2.8	3.0	3.3	3.4	3.4	3.9	3.9	3.4	2.8	1.8	3.5	1.5	0.5	0.3	2.5	3.9	0.3
23	0.6	0.9	0.6	0.8	1.0	0.9	0.8	0.4	0.5	1.2	1.8	2.0	2.4	3.0	3.9	3.8	4.7	4.4	2.9	2.9	3.2	2.0	1.2	1.3	2.0	4.7	0.4
24	1.3	0.8	1.1	1.1	1.7	2.2	2.6	2.8	3.4	3.2	2.2	1.6	2.1	2.4	2.5	3.0	3.0	3.5	3.1	2.3	1.5	0.9	2.9	3.5	2.3	3.5	0.8
25	3.4	2.4	3.2	2.6	3.5	3.0	1.6	2.2	1.6	1.0	2.1	3.8	3.1	2.0	2.0	3.0	5.1	2.4	1.2	1.9	1.5	3.5	2.9	4.0	2.6	5.1	1.0
26	3.5	3.3	3.2	3.1	1.7	1.6	1.5	1.5	2.3	2.9	2.1	1.7	1.7	1.8	1.6	2.4	3.1	3.5	3.4	3.3	2.8	1.6	0.8	1.0	2.3	3.5	0.8
27	0.8	0.4	0.9	1.2	1.4	2.2	2.0	1.6	1.1	1.0	1.8	2.8	3.4	2.7	2.9	6.1	6.0	4.4	3.8	2.4	2.4	1.6	1.8	2.5	2.4	6.1	0.4
28	1.0	1.2	2.1	1.9	2.2	1.8	1.6	1.3	0.6	0.9	1.3	2.1	2.2	3.4	3.3	3.7	3.1	3.1	3.2	1.5	0.7	1.3	0.9	0.8	1.9	3.7	0.6
29	1.2	1.1	1.3	1.1	1.0	0.8	0.8	1.5	2.5	2.3	2.1	1.7	2.0	2.5	3.5	1.7	1.9	3.3	3.1	2.0	2.8	2.0	1.1	1.4	1.9	3.5	0.8
30	1.6	0.8	0.5	1.4	1.4	2.1	1.4	2.4	2.7	2.7	2.0	2.4	2.1	3.5	3.5	2.9	2.5	2.4	2.4	1.7	3.5	2.8	1.5	0.8	2.1	3.5	0.5
31	0.6	0.5	0.7	1.0	0.3	0.9	0.9	0.6	1.4	1.6	2.0	2.5	3.0	3.6	3.7	3.6	3.0	3.3	2.3	3.5	4.8	4.9	2.7	3.8	2.3	4.9	0.3
Avg	1.5	1.4	1.4	1.4	1.5	1.5	1.3	1.4	1.7	2.0	2.2	2.6	2.9	3.1	3.2	3.5	3.5	3.4	3.0	2.1	1.7	1.6	1.4	1.5	2.1	--	--
Max	4.6	3.8	4.0	3.8	3.8	3.4	3.3	3.7	4.1	3.4	3.3	3.8	4.3	4.2	5.1	6.1	6.0	4.4	4.3	4.1	4.8	4.9	2.9	4.8	--	6.1	--
Min	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.5	0.9	1.3	1.5	1.5	1.8	1.4	1.3	1.2	1.4	1.2	0.8	0.3	0.5	0.5	0.3	--	--	0.3

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WS_ms_10m"
Month: Sep 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	2.4	3.2	3.3	1.9	2.2	2.6	2.4	2.8	2.0	1.9	1.8	1.8	1.7	2.3	2.2	2.4	2.4	1.7	0.3	0.9	0.6	0.8	3.0	2.0	3.3	0.3
2	2.7	1.5	1.0	1.1	0.8	0.9	0.8	0.4	0.7	1.5	1.8	1.7	2.5	3.1	3.6	3.5	2.9	1.8	0.6	0.5	1.1	1.4	1.4	1.8	1.6	3.6	0.4
3	2.6	3.1	1.4	1.3	0.8	0.7	0.9	1.0	2.3	1.7	2.0	2.8	2.6	2.9	3.5	3.0	2.5	4.4	2.1	1.2	0.4	0.6	1.1	1.8	2.0	4.4	0.4
4	1.1	1.1	1.2	0.8	0.5	1.0	0.5	0.6	0.7	1.4	1.4	1.7	2.1	1.7	2.8	3.3	3.3	2.8	2.2	1.3	0.7	0.7	1.4	1.2	1.5	3.3	0.5
5	0.6	0.9	0.8	1.2	1.6	0.6	0.6	0.5	2.4	3.0	3.4	4.4	4.6	3.3	2.9	3.0	2.4	2.2	1.9	1.9	1.2	1.2	1.1	1.0	1.9	4.6	0.5
6	1.0	1.2	0.8	0.7	1.3	1.6	1.4	1.7	2.5	2.2	1.6	1.9	2.7	2.6	2.8	2.9	2.7	3.1	2.5	2.0	0.5	1.4	0.8	1.0	1.8	3.1	0.5
7	1.0	1.1	0.9	0.6	0.6	1.2	0.9	0.8	0.3	1.2	3.2	2.9	2.5	4.1	4.3	4.6	3.6	2.9	2.7	1.6	1.4	0.9	1.3	1.9	1.9	4.6	0.3
8	1.5	0.9	0.8	0.8	1.0	0.9	0.6	0.5	0.9	1.7	1.2	3.0	3.3	4.0	3.3	2.7	2.5	2.4	2.3	1.1	0.9	2.1	1.3	1.8	1.7	4.0	0.5
9	0.7	0.2	0.5	0.8	0.5	0.9	0.2	0.5	1.1	1.1	1.6	2.5	3.0	3.5	3.2	2.9	2.9	2.4	2.1	2.0	1.6	1.3	0.6	0.3	1.5	3.5	0.2
10	0.5	0.6	1.7	1.7	0.8	0.8	0.8	0.9	1.0	1.1	1.3	2.8	4.1	4.8	4.0	3.2	2.3	2.1	1.4	0.7	0.3	0.4	0.5	0.6	1.6	4.8	0.3
11	0.3	0.4	1.0	0.8	0.8	0.7	0.9	1.1	0.8	1.8	2.4	3.0	3.0	3.5	3.8	3.7	3.6	3.0	2.2	0.3	1.1	1.1	0.7	0.7	1.7	3.8	0.3
12	0.8	1.3	1.0	0.7	0.8	0.7	1.0	0.5	0.6	1.2	1.6	2.3	2.2	2.1	1.9	3.6	2.9	1.3	1.6	1.4	2.4	0.9	0.7	0.9	1.4	3.6	0.5
13	0.8	0.8	0.8	0.7	0.8	0.9	0.9	1.6	1.3	2.9	3.0	2.6	3.7	3.8	3.3	3.1	3.4	2.9	4.1	4.0	4.1	3.1	0.7	2.2	2.3	4.1	0.7
14	1.7	1.0	0.7	0.8	1.1	0.6	0.3	0.4	0.9	1.1	1.8	3.7	2.9	3.3	2.8	3.4	2.8	2.4	1.0	1.2	3.0	3.2	1.6	1.4	1.8	3.7	0.3
15	1.3	0.8	0.3	1.1	1.9	1.0	1.8	2.7	2.6	3.4	3.7	3.9	4.5	4.4	3.8	3.9	3.8	3.8	3.9	4.3	2.4	2.0	2.7	2.9	2.8	4.5	0.3
16	3.0	1.5	0.6	1.3	0.6	0.5	1.1	0.8	1.6	2.9	2.5	2.9	2.9	3.8	4.3	4.2	4.1	3.1	2.4	1.5	1.2	1.8	0.3	1.0	2.1	4.3	0.3
17	1.1	0.4	0.9	0.7	0.5	0.7	1.0	0.6	0.5	1.2	2.1	3.1	3.0	3.6	3.8	4.2	3.7	2.4	1.9	0.7	0.8	0.9	1.0	0.9	1.7	4.2	0.4
18	0.8	1.0	1.0	0.6	0.6	0.9	1.1	1.3	1.6	1.4	2.0	2.7	3.1	3.2	3.2	3.4	3.4	3.3	1.8	0.3	0.6	0.7	1.0	0.8	1.7	3.4	0.3
19	1.0	0.9	1.0	0.5	0.9	0.4	1.0	0.5	0.6	2.2	2.0	2.7	3.4	3.5	3.1	2.9	2.5	4.3	4.5	3.3	3.4	1.7	1.6	2.4	2.1	4.5	0.4
20	2.2	2.3	1.1	1.6	1.7	1.8	1.9	2.1	3.0	2.9	2.4	1.8	2.4	2.0	2.2	2.7	2.8	3.0	2.2	0.6	0.8	1.1	0.8	2.1	2.0	3.0	0.6
21	1.3	0.3	0.3	0.4	0.3	0.6	0.7	0.8	0.9	1.9	2.8	2.4	4.4	4.0	3.8	3.8	4.0	4.2	3.0	2.9	1.0	1.6	1.3	0.8	2.0	4.4	0.3
22	0.2	1.2	0.7	0.8	0.7	0.7	0.7	0.6	0.7	0.7	1.0	1.0	1.0	1.7	2.3	2.1	2.9	2.0	1.7	1.4	1.9	2.1	1.1	0.8	1.3	2.9	0.2
23	0.7	0.7	0.9	0.8	0.8	0.8	0.7	1.3	0.5	0.9	1.4	1.4	1.5	2.7	2.3	3.5	3.4	2.9	1.6	0.4	0.7	0.9	0.8	1.1	1.4	3.5	0.4
24	0.8	1.0	1.0	0.8	0.7	0.5	0.4	0.9	1.2	2.3	2.0	1.7	2.5	3.0	1.8	2.0	2.3	2.5	0.9	0.8	0.5	1.1	1.2	1.4	1.4	3.0	0.4
25	1.2	0.6	1.2	2.1	3.2	2.6	1.3	1.6	2.9	4.4	5.3	5.7	5.7	5.4	5.4	5.1	4.7	5.0	2.2	2.2	2.1	1.9	0.8	1.1	3.1	5.7	0.6
26	1.1	0.7	0.5	1.1	1.7	1.3	1.8	2.7	4.0	5.4	6.4	5.6	4.3	3.5	3.4	3.4	2.9	2.4	1.1	0.9	0.6	0.8	1.1	1.3	2.4	6.4	0.5
27	1.5	1.5	1.4	1.5	0.9	1.3	1.9	1.8	2.2	1.7	1.7	1.9	2.4	3.2	3.4	3.0	2.9	2.7	1.7	0.5	1.2	1.0	0.9	0.9	1.8	3.4	0.5
28	1.0	0.7	0.9	1.2	0.9	0.5	0.8	1.0	0.5	1.4	3.0	2.8	2.7	2.9	3.1	3.4	2.6	2.4	1.0	0.6	1.5	0.9	1.1	0.9	1.6	3.4	0.5
29	0.7	0.9	0.9	0.8	1.0	0.9	0.7	0.7	0.6	1.5	2.6	2.8	2.7	2.6	2.4	2.8	2.8	2.8	1.7	0.6	1.1	1.1	0.8	0.8	1.5	2.8	0.6
30	0.9	1.2	1.1	0.8	1.1	1.0	0.7	0.5	0.7	0.8	1.8	2.5	2.8	2.6	3.0	3.1	3.4	2.4	0.6	0.9	1.1	1.2	1.1	0.9	1.5	3.4	0.5
Avg	1.2	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.4	2.0	2.4	2.7	3.0	3.2	3.2	3.3	3.1	2.9	2.0	1.4	1.4	1.3	1.1	1.3	1.8	--	--
Max	3.0	3.1	3.2	3.3	3.2	2.6	2.6	2.7	4.0	5.4	6.4	5.7	5.7	5.4	5.4	5.1	4.7	5.0	4.5	4.3	4.1	3.2	2.7	3.0	--	6.4	--
Min	0.2	0.2	0.3	0.4	0.3	0.4	0.2	0.4	0.3	0.7	1.0	1.0	1.0	1.7	1.8	2.0	2.3	1.3	0.6	0.3	0.3	0.4	0.3	0.3	--	--	0.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Jul 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	213	188	89	181	90	99	25	341	269	252	252	259	259	266	274	272	278	274	262	259	256	245	240	224	253	341	25
2	332	210	107	118	99	96	118	218	284	257	257	262	262	272	262	276	267	265	278	266	250	262	1	55	260	332	1
3	71	48	122	91	109	84	86	79	116	133	238	186	283	255	273	276	275	264	260	248	311	118	115	98	142	311	48
4	105	104	106	104	92	54	110	86	196	146	166	192	252	272	275	271	273	273	231	203	109	38	74	117	144	275	38
5	134	116	84	114	85	107	41	6	201	198	111	135	97	109	230	192	104	157	114	96	77	71	292	272	116	292	6
6	86	274	111	90	114	106	26	347	90	331	275	261	268	258	272	270	266	273	261	232	216	290	247	97	269	347	26
7	112	105	108	109	96	133	94	76	58	274	279	274	247	262	269	273	280	264	272	265	346	109	96	94	172	346	58
8	94	89	86	108	106	94	105	67	56	249	199	222	204	232	226	232	229	240	227	230	222	227	227	219	190	249	56
9	221	248	132	124	97	105	117	86	208	210	221	215	220	233	217	222	232	240	212	217	226	236	241	209	205	248	86
10	93	105	112	90	92	105	98	100	201	200	203	209	212	232	236	251	221	227	232	239	204	227	250	251	194	251	90
11	267	41	87	103	103	86	102	288	119	117	184	220	229	240	245	252	235	255	249	269	286	103	275	260	220	288	41
12	270	134	105	111	87	91	97	78	188	156	201	311	257	277	282	273	269	282	254	156	104	108	92	111	158	311	78
13	111	112	106	108	116	92	78	111	116	102	162	224	248	258	235	248	281	257	177	75	97	69	86	107	128	281	69
14	103	92	86	79	94	97	115	128	137	--	--	--	131	231	255	244	228	247	221	220	220	274	78	102	152	274	78
15	116	124	116	122	116	117	107	98	119	159	216	223	252	243	255	249	255	245	265	288	15	100	110	168	167	288	15
16	127	112	95	79	98	112	120	96	239	281	289	286	253	237	269	280	256	254	287	273	280	169	216	307	240	307	79
17	85	126	116	92	117	118	94	321	191	131	109	113	101	107	136	164	154	154	220	236	98	161	262	293	134	321	85
18	335	115	111	159	330	306	102	115	119	156	269	222	257	269	259	235	223	238	231	229	269	279	249	236	233	335	102
19	106	116	300	134	286	306	277	120	315	299	262	273	263	255	257	259	264	256	253	240	249	236	233	311	262	315	106
20	63	108	108	102	108	95	110	205	269	250	268	270	257	275	256	259	266	274	275	277	285	297	115	103	244	297	63
21	94	105	85	100	96	98	80	341	329	302	277	262	252	255	256	223	259	257	249	248	357	106	91	95	259	357	80
22	92	357	83	103	96	104	121	318	241	257	281	256	261	245	250	243	263	250	264	259	157	194	180	208	228	357	83
23	218	221	217	219	80	109	96	285	290	240	218	214	238	232	256	360	157	189	224	202	178	251	269	42	221	360	42
24	84	297	153	332	285	283	298	273	288	245	259	253	265	256	264	257	270	270	270	263	267	332	108	99	272	332	84
25	98	105	98	83	100	119	83	260	283	282	274	262	243	262	261	258	258	268	271	256	270	107	106	97	235	283	83
26	97	90	93	101	85	93	102	106	276	274	259	269	278	272	280	269	278	274	272	245	239	113	97	93	227	280	85
27	86	87	93	91	102	102	88	6	233	224	236	267	278	261	260	300	289	282	274	279	295	106	101	90	264	300	6
28	104	87	303	222	207	37	15	46	268	209	288	270	250	260	257	269	259	268	256	249	219	241	303	283	264	303	15
29	267	258	256	191	127	145	108	24	286	252	252	239	263	252	283	280	266	302	89	92	114	95	60	96	236	302	24
30	79	106	113	111	105	104	85	90	85	106	116	120	99	80	89	96	274	279	269	270	279	111	108	96	102	279	79
31	103	125	104	91	98	108	109	110	122	119	124	117	139	47	298	159	88	117	243	120	101	89	107	107	111	298	47
Avg	102	112	106	111	100	98	91	62	215	220	234	237	244	252	257	254	254	254	249	241	243	154	142	122	202	--	--
Max	335	357	303	332	330	306	298	347	329	331	289	311	283	277	298	360	289	302	287	288	357	332	303	311	--	360	--
Min	63	41	83	79	80	37	15	6	56	102	109	113	97	47	89	96	88	117	89	75	15	38	1	42	--	--	1

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Aug 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	104	119	127	109	121	222	112	161	117	127	138	176	223	231	251	259	241	266	273	239	141	96	103	160	273	90
2	107	87	93	104	113	125	111	101	100	108	216	291	264	270	269	274	256	295	281	247	113	107	98	97	134	295	87
3	88	99	111	107	102	100	92	112	99	223	231	286	309	277	259	295	287	265	281	277	24	101	84	81	98	309	24
4	88	89	78	106	101	102	103	103	147	297	267	271	255	279	289	274	283	295	306	297	191	96	85	89	111	306	78
5	88	87	101	100	98	89	97	101	36	268	261	267	262	271	282	274	273	277	282	264	325	102	99	97	358	325	36
6	100	91	48	314	106	98	112	301	90	217	216	211	209	223	318	10	75	204	226	197	203	112	88	103	145	318	10
7	99	117	187	215	217	236	125	5	237	259	257	236	241	245	132	110	109	118	215	80	209	32	101	86	172	259	5
8	102	101	77	102	85	97	104	122	114	95	148	219	232	259	288	279	262	268	260	273	187	106	104	111	142	288	77
9	101	106	95	106	94	98	105	112	145	178	294	285	267	252	258	264	255	266	257	238	191	194	146	103	181	294	94
10	68	77	68	96	102	142	109	85	133	117	143	134	200	131	327	265	249	264	250	251	118	76	105	89	121	327	68
11	123	56	119	113	114	111	99	77	109	188	97	100	101	79	42	260	261	274	275	258	154	333	55	77	102	333	42
12	73	81	72	84	76	85	74	78	67	76	79	60	51	39	61	129	172	169	177	71	131	113	103	95	89	177	39
13	105	89	102	105	109	111	114	117	89	86	94	116	109	154	123	126	101	161	149	139	110	124	93	80	112	161	80
14	148	98	92	114	90	108	95	98	135	181	161	140	140	156	179	213	340	75	122	84	95	101	111	109	120	340	75
15	47	249	104	130	103	108	105	119	151	200	246	259	262	253	259	254	274	270	275	282	47	121	105	91	189	282	47
16	77	101	152	77	125	212	218	219	301	214	25	249	249	263	249	264	264	276	272	273	278	102	93	355	242	355	25
17	225	240	205	206	204	206	128	155	156	223	184	223	258	267	254	269	275	270	280	281	274	256	255	227	233	281	128
18	214	197	115	102	84	111	74	79	239	227	224	252	258	271	263	262	268	275	275	275	259	299	102	99	233	299	74
19	104	94	106	107	108	105	99	108	132	242	230	256	266	263	267	266	263	260	277	272	104	101	97	91	160	277	91
20	102	104	100	100	105	130	107	213	212	229	248	263	248	265	265	281	273	274	271	228	225	339	133	105	213	339	100
21	94	111	105	113	103	105	99	96	270	222	231	248	231	243	252	251	245	266	275	284	185	101	97	170	187	284	94
22	261	227	227	226	238	22	197	242	256	242	249	260	248	242	269	276	277	263	260	268	200	102	67	92	246	277	22
23	85	94	116	101	97	98	92	98	73	235	297	211	224	257	273	277	275	22	109	110	93	125	57	112	109	297	22
24	114	100	100	109	101	85	90	84	94	124	93	132	177	242	247	243	263	278	286	333	358	140	108	111	117	358	84
25	135	150	144	81	55	54	89	105	119	78	111	105	137	144	274	278	98	123	75	86	92	72	70	71	100	278	54
26	64	72	72	76	82	114	97	102	82	62	82	139	336	285	95	286	284	274	274	117	122	99	84	114	85	336	62
27	78	155	96	122	103	111	106	117	141	116	198	261	254	263	316	29	66	87	99	93	99	120	118	93	110	316	29
28	94	116	111	107	107	100	99	110	58	94	237	305	213	236	256	260	261	278	277	266	55	110	101	92	129	305	55
29	90	94	90	107	101	98	102	111	98	104	119	123	83	275	334	64	96	146	142	130	90	111	113	118	104	334	64
30	116	193	270	118	117	106	119	116	100	90	154	137	172	230	229	207	237	221	208	212	213	244	159	46	169	270	46
31	220	108	130	107	123	107	97	111	89	119	185	195	261	268	256	255	272	267	252	106	69	1	107	81	144	272	1
Avg	102	109	108	110	106	108	108	108	120	169	194	218	231	248	267	264	264	257	255	249	143	104	100	96	139	--	--
Max	261	249	270	314	238	236	222	301	301	297	297	305	336	285	334	295	340	295	306	333	358	339	255	355	--	358	--
Min	47	56	48	76	55	22	74	5	36	62	25	60	51	39	42	10	66	22	75	71	24	1	55	46	--	--	1

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_20m"
Month: Sep 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	91	98	81	94	109	124	127	118	88	105	118	116	128	307	239	216	257	254	252	313	105	102	97	147	122	313	81
2	79	118	120	114	92	103	97	145	94	302	296	249	273	223	231	242	224	245	350	113	124	110	116	93	138	350	79
3	65	90	82	108	37	123	104	76	94	78	221	245	234	210	213	190	152	188	84	69	20	147	173	107	123	245	20
4	110	112	111	127	72	103	108	79	105	95	103	118	124	116	203	223	224	144	111	116	106	117	142	122	120	224	72
5	112	95	105	113	103	115	95	98	123	139	136	116	109	110	123	140	148	118	135	151	115	89	125	119	118	151	89
6	99	97	113	109	97	98	94	113	111	146	114	243	264	257	260	255	262	281	268	261	27	114	98	94	133	281	27
7	89	92	84	91	76	102	87	156	241	223	265	278	292	281	274	262	289	292	311	18	65	141	162	101	145	311	18
8	109	88	108	100	99	83	92	120	119	140	157	225	223	243	264	263	243	222	213	289	285	206	262	235	186	289	83
9	291	92	98	99	116	116	67	295	297	271	281	279	268	239	238	247	245	261	270	259	237	237	224	77	251	297	67
10	117	124	205	332	216	115	110	90	154	288	281	251	223	218	222	218	266	273	268	253	65	110	92	130	197	332	65
11	87	102	99	108	104	96	103	99	16	289	256	260	275	266	278	279	277	274	267	311	112	104	83	90	84	311	16
12	99	90	92	89	101	94	100	104	115	90	42	120	131	73	108	11	285	351	69	134	200	19	112	117	92	351	11
13	101	93	84	107	101	95	105	113	134	303	251	266	241	245	248	262	279	270	206	95	91	22	226	277	176	303	22
14	327	125	90	117	111	106	125	302	276	269	258	224	214	219	220	249	244	227	256	112	190	224	204	195	210	327	90
15	224	249	314	275	239	229	211	227	218	207	216	229	222	237	258	234	235	217	221	203	216	217	208	206	228	314	203
16	205	186	109	104	107	120	94	111	107	201	216	225	241	233	230	267	268	244	224	226	230	226	102	105	189	268	94
17	100	78	105	103	103	95	103	95	110	127	184	219	240	256	228	247	257	258	289	208	108	104	97	90	141	289	78
18	90	99	92	88	115	105	96	95	123	154	218	259	266	276	276	274	280	283	273	334	108	103	98	96	123	334	88
19	100	93	88	93	96	102	93	88	235	280	274	266	280	280	268	256	240	137	131	110	115	98	101	77	123	280	77
20	88	95	123	113	111	105	119	111	109	105	102	152	43	56	355	206	261	283	289	249	108	105	99	163	112	355	43
21	75	292	298	316	93	105	102	100	132	131	92	89	68	70	72	62	61	67	89	79	80	128	84	58	82	316	58
22	313	203	295	320	17	83	82	36	1	79	142	161	38	205	197	164	221	207	229	258	260	110	97	120	159	320	1
23	120	94	96	90	93	80	75	97	159	257	133	350	10	282	276	259	246	258	288	280	97	101	96	96	99	350	10
24	91	97	90	88	82	26	260	130	319	355	12	344	246	246	253	74	131	139	111	114	82	91	98	101	87	355	12
25	103	116	104	106	78	78	104	89	69	106	117	109	110	115	109	113	108	116	100	80	51	79	113	110	100	117	51
26	122	137	122	99	106	101	108	86	87	102	114	110	117	111	111	111	117	116	119	96	112	96	102	104	109	137	86
27	101	102	99	98	86	93	102	102	125	118	155	161	310	284	260	251	262	259	247	49	93	90	92	83	113	310	49
28	86	78	69	86	96	73	79	101	104	324	270	259	257	278	298	266	294	274	283	73	100	87	86	86	60	324	69
29	77	77	99	90	95	89	94	99	135	284	258	274	246	279	268	290	283	253	251	38	101	99	82	83	94	290	38
30	87	88	93	109	94	97	114	98	138	28	313	319	230	200	239	266	268	278	142	94	96	100	92	105	109	319	28
Avg	96	104	98	97	97	100	102	102	117	147	198	227	239	241	242	241	248	242	236	108	106	112	116	110	128	--	--
Max	327	292	314	332	239	229	260	302	319	355	313	350	310	307	355	290	294	351	350	334	285	237	262	277	--	355	--
Min	65	77	69	86	17	26	67	36	1	28	12	89	10	56	72	11	61	67	69	18	20	19	82	58	--	--	1

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: Jul 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	213	188	89	190	117	98	22	341	268	252	252	259	259	266	274	272	278	274	262	259	256	245	240	224	251	341	22
2	334	192	107	116	100	98	118	219	283	257	257	262	262	272	262	276	267	265	278	266	250	262	3	55	259	334	3
3	71	46	123	91	109	83	86	79	116	133	239	195	283	255	273	276	275	264	260	248	311	115	115	102	144	311	46
4	105	104	106	104	94	48	106	57	195	146	166	192	252	272	275	271	273	273	231	203	107	33	74	117	142	275	33
5	134	116	51	110	107	107	30	7	201	194	111	135	97	108	230	192	105	157	114	96	85	72	293	277	116	293	7
6	86	267	112	99	115	105	15	343	86	333	276	261	268	258	272	270	266	273	261	232	216	289	235	46	272	343	15
7	106	105	107	112	97	128	94	75	59	274	280	276	247	263	269	273	280	264	272	265	8	109	96	90	143	280	8
8	95	98	120	108	106	96	103	63	58	249	199	222	204	232	226	232	229	240	227	230	222	227	227	219	191	249	58
9	221	248	108	126	103	105	115	80	208	210	221	215	220	233	217	222	232	240	212	217	226	236	241	209	205	248	80
10	94	103	114	89	92	105	98	100	201	200	203	209	212	232	236	251	221	227	233	239	204	227	250	251	194	251	89
11	267	17	89	101	103	88	102	288	118	117	185	220	229	240	245	252	235	255	249	269	288	99	278	260	224	288	17
12	275	115	105	110	89	91	97	79	198	153	199	310	257	277	282	273	269	282	254	156	104	108	92	111	155	310	79
13	111	112	106	108	116	92	78	111	117	102	160	224	248	258	235	248	281	257	177	75	98	69	86	107	128	281	69
14	103	92	86	79	94	97	115	128	137	--	--	--	131	235	255	244	228	247	221	220	220	274	78	102	152	274	78
15	116	124	116	122	116	117	107	98	119	159	216	223	252	243	255	248	255	245	265	288	104	98	109	168	164	288	98
16	127	112	95	79	100	112	98	100	239	282	290	286	253	237	269	280	256	254	287	273	288	171	216	303	242	303	79
17	87	127	113	91	114	116	101	324	191	131	109	113	101	108	135	164	154	154	220	223	97	161	262	293	134	324	87
18	337	106	111	161	330	349	102	115	120	152	269	223	257	269	259	235	223	238	231	229	263	279	250	233	233	349	102
19	105	116	299	136	290	306	277	120	313	299	262	273	264	255	257	259	264	256	253	240	249	236	233	311	262	313	105
20	63	108	108	102	108	96	107	223	270	249	268	270	257	275	256	259	266	274	275	277	285	295	113	103	247	295	63
21	94	105	84	100	84	98	78	339	330	300	277	262	252	255	256	223	258	257	249	247	0	106	90	95	268	339	0
22	93	358	83	103	98	104	120	328	241	257	281	255	261	245	250	243	263	250	264	257	159	197	180	208	228	358	83
23	218	221	217	219	95	107	95	274	290	240	217	212	238	232	256	359	183	189	224	202	178	251	270	42	221	359	42
24	84	285	170	329	285	283	302	272	288	245	259	253	265	256	264	257	270	270	270	263	267	329	109	102	270	329	84
25	98	106	98	83	100	110	68	246	283	281	274	262	243	262	261	258	258	268	271	256	270	107	106	98	235	283	68
26	97	96	93	96	86	93	101	107	270	273	260	269	278	272	280	269	278	274	272	245	239	115	99	93	224	280	86
27	86	87	96	90	105	102	91	327	233	224	235	267	278	260	260	300	289	282	274	279	321	110	99	90	265	327	86
28	100	95	301	222	207	36	24	61	280	210	288	270	250	261	257	269	259	268	256	249	219	241	303	283	263	303	24
29	267	258	257	188	127	164	109	23	286	252	252	239	263	252	283	280	266	302	89	92	115	95	60	96	236	302	23
30	79	106	113	111	105	104	85	90	85	106	116	120	99	81	88	97	274	280	269	270	280	111	108	96	102	280	79
31	103	126	104	93	101	103	109	110	122	119	124	117	139	47	298	159	89	117	243	124	100	86	107	107	111	298	47
Avg	102	113	106	112	103	97	89	59	216	219	234	238	244	252	257	254	254	254	249	240	234	156	141	118	202	--	--
Max	337	358	301	329	330	349	302	343	330	333	290	310	283	277	298	359	289	302	287	288	321	329	303	311	--	359	--
Min	63	17	51	79	84	36	15	7	58	102	109	113	97	47	88	97	89	117	89	75	0	33	3	42	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: Aug 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	89	104	117	125	109	125	339	112	168	118	127	137	176	223	233	251	259	241	266	273	239	140	96	103	156	339	89
2	107	87	93	104	113	125	111	101	100	108	217	291	264	269	269	274	256	295	281	247	109	107	98	97	134	295	87
3	88	99	111	105	102	100	92	111	98	224	232	287	309	277	258	295	287	265	281	277	186	101	83	80	143	309	80
4	88	87	79	106	103	103	103	104	139	298	267	271	255	279	289	274	283	295	306	297	191	96	86	91	109	306	79
5	87	87	97	99	102	89	97	101	44	268	261	267	262	271	282	274	273	277	282	264	301	103	99	97	324	301	44
6	101	91	46	307	106	97	68	299	88	216	216	211	209	223	318	8	76	204	226	198	203	113	90	102	142	318	8
7	96	111	185	216	217	236	123	7	236	260	257	236	241	245	132	110	109	118	216	80	208	34	99	86	170	260	7
8	101	101	77	102	85	97	104	122	114	95	149	218	233	259	287	279	262	268	260	273	182	106	104	109	141	287	77
9	104	103	96	114	94	98	105	112	146	178	295	285	267	252	259	263	255	265	257	238	191	191	146	103	181	295	94
10	68	77	67	96	102	142	109	85	132	115	142	134	199	132	323	265	249	263	250	251	119	76	105	89	121	323	67
11	123	55	120	113	114	111	99	77	109	189	97	100	101	81	42	260	262	274	275	258	154	322	55	77	103	322	42
12	73	81	72	84	76	85	74	78	67	76	79	60	51	39	61	129	171	169	177	73	131	113	103	97	90	177	39
13	101	95	102	105	109	111	114	117	89	86	94	116	110	154	123	126	100	160	149	139	112	118	93	78	112	160	78
14	162	101	91	110	92	108	95	98	135	179	162	140	141	156	179	213	340	75	122	84	95	102	111	104	120	340	75
15	34	271	104	131	103	108	105	119	151	199	246	259	263	253	259	254	274	270	275	282	58	117	105	90	191	282	34
16	75	99	128	76	121	212	218	219	302	214	38	249	249	263	249	264	264	276	272	273	268	103	93	8	240	302	8
17	221	240	205	206	204	206	120	156	153	223	184	223	258	267	254	269	275	270	280	281	274	256	255	227	233	281	120
18	214	197	104	96	78	102	75	89	239	228	223	252	258	271	263	262	268	275	275	275	259	333	103	99	235	333	75
19	104	102	105	107	108	109	99	108	88	242	231	255	266	262	267	266	263	260	277	278	89	102	97	91	153	278	88
20	101	102	100	96	104	126	105	237	213	229	248	263	249	265	266	281	273	274	271	228	225	338	89	102	219	338	89
21	94	113	102	115	103	102	99	94	269	222	231	248	231	243	252	251	245	266	275	284	177	101	97	174	187	284	94
22	261	227	227	226	238	24	238	242	256	242	249	260	247	242	269	276	277	263	260	268	200	102	44	121	248	277	24
23	78	102	117	101	98	98	92	119	71	234	297	214	224	257	273	277	275	22	109	110	93	125	47	112	111	297	22
24	114	101	99	104	101	85	90	84	94	124	92	134	177	242	246	243	263	278	286	333	359	139	108	111	116	359	84
25	135	150	144	81	55	54	89	105	119	79	111	105	137	144	275	278	98	123	75	86	92	72	70	71	100	278	54
26	64	72	72	76	82	114	97	102	82	62	82	138	336	284	95	286	284	274	274	119	122	99	84	115	85	336	62
27	88	140	95	122	103	111	106	117	141	115	198	260	254	264	315	29	66	87	99	93	99	120	118	93	110	315	29
28	95	117	111	107	107	100	99	109	59	95	245	304	215	236	256	260	261	278	277	266	58	110	101	93	129	304	58
29	90	94	90	107	101	98	102	111	98	104	120	123	89	275	335	62	96	146	142	131	90	111	113	118	104	335	62
30	116	193	264	118	117	106	119	116	100	90	154	137	174	230	229	207	237	221	208	212	213	244	158	37	169	264	37
31	144	104	136	107	117	104	97	109	89	119	185	193	261	268	256	255	272	267	252	106	69	1	107	81	136	272	1
Avg	102	108	106	110	106	108	101	109	117	168	194	218	231	248	267	265	264	257	255	249	151	102	98	96	138	--	--
Max	261	271	264	307	238	236	339	299	302	298	297	304	336	284	335	295	340	295	306	333	359	338	255	227	--	359	--
Min	34	55	46	76	55	24	68	7	44	62	38	60	51	39	42	8	66	22	75	73	58	1	44	8	--	--	1

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, WD_10m"
Month: Sep 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	91	98	81	94	109	124	127	118	88	105	118	116	129	100	239	216	257	254	252	270	107	106	98	148	125	270	81
2	79	118	121	112	96	104	100	145	92	302	295	248	273	223	231	242	224	245	350	111	124	110	116	93	139	350	79
3	63	90	82	108	25	122	103	76	94	73	221	245	234	210	213	190	152	189	84	69	16	146	154	107	121	245	16
4	110	112	110	120	78	103	109	76	105	98	103	118	124	117	203	223	224	144	111	116	106	116	142	122	120	224	76
5	110	95	105	113	103	114	95	96	123	139	136	116	109	110	123	140	148	118	135	151	115	89	125	119	118	151	89
6	99	97	99	109	100	98	94	113	111	146	113	240	265	257	260	255	262	281	268	261	32	114	98	94	131	281	32
7	89	91	84	98	87	102	87	158	252	221	265	278	292	281	274	262	289	292	311	18	66	147	162	100	160	311	18
8	109	88	111	90	99	83	84	120	118	140	157	225	223	243	264	263	243	222	213	306	286	206	265	235	185	306	83
9	287	93	95	101	116	115	62	295	297	271	278	281	268	239	238	247	245	261	270	259	237	237	240	49	256	297	49
10	122	121	205	332	216	115	109	90	155	289	281	251	223	218	222	218	266	273	268	253	68	115	93	121	197	332	68
11	71	102	99	108	104	96	104	99	16	289	256	260	275	266	278	279	277	274	267	304	111	104	85	106	90	304	16
12	99	90	94	92	106	91	100	111	112	90	40	120	131	72	107	11	285	351	69	135	200	19	105	117	92	351	11
13	101	93	84	109	97	95	105	113	134	303	251	266	241	245	249	263	279	270	206	95	91	23	231	277	177	303	23
14	326	124	89	113	111	112	105	301	277	269	260	224	215	219	221	249	244	227	239	112	190	224	204	195	209	326	89
15	224	258	322	276	239	229	211	227	218	207	216	229	222	237	258	234	235	217	221	203	216	217	208	206	229	322	203
16	205	186	109	104	106	118	94	110	107	200	216	225	241	233	230	267	268	244	224	226	230	226	93	105	189	268	93
17	100	78	104	102	105	92	103	103	109	128	184	219	241	256	228	247	257	258	289	210	106	107	97	90	141	289	78
18	90	101	92	88	110	105	96	95	123	154	216	259	266	277	276	274	280	283	273	21	107	99	96	96	117	283	21
19	100	94	89	88	98	101	92	87	233	280	274	266	280	280	269	256	240	137	131	110	115	98	101	77	123	280	77
20	88	95	125	113	111	105	119	111	109	105	102	152	43	57	354	206	261	283	289	250	108	106	99	163	112	354	43
21	76	296	315	312	82	107	102	101	132	131	92	89	68	70	72	62	61	67	89	79	82	128	83	56	80	315	56
22	307	203	294	320	18	91	85	38	360	80	142	156	36	206	197	164	221	207	229	258	260	108	97	119	160	360	18
23	120	94	96	90	96	80	73	97	160	257	132	349	14	282	277	259	246	258	288	187	97	100	96	96	108	349	14
24	92	98	89	90	83	353	273	132	318	356	12	346	247	246	262	75	132	139	111	114	93	91	98	101	85	356	12
25	103	119	106	106	78	78	104	89	69	106	117	109	110	115	109	113	108	116	100	80	51	79	113	108	100	119	51
26	122	136	134	99	106	101	108	86	87	102	114	110	117	111	111	111	117	116	119	96	112	96	102	104	109	136	86
27	101	102	99	98	87	96	102	102	125	118	155	160	310	284	260	251	262	259	247	74	93	90	92	82	115	310	74
28	85	79	89	88	97	75	81	101	103	315	270	259	257	278	299	266	294	274	283	57	100	87	86	83	61	315	57
29	77	77	98	90	95	89	94	99	134	284	259	274	246	279	268	290	283	253	251	37	101	99	82	82	93	290	37
30	87	88	93	107	94	98	100	92	138	26	313	319	230	199	239	267	268	278	147	94	96	99	90	105	107	319	26
Avg	96	104	98	97	97	100	100	103	117	149	198	227	240	234	242	241	248	242	234	119	106	113	114	109	127	--	--
Max	326	296	322	332	239	353	273	301	360	356	313	349	310	284	354	290	294	351	350	306	286	237	265	277	--	360	--
Min	63	77	81	88	18	75	62	38	16	26	12	89	14	57	72	11	61	67	69	18	16	19	82	49	--	--	11

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Jul 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	0.13	0.15	0.55	0.91	1.03	0.73	0.11	-0.44	-0.61	-1.03	-1.35	-1.50	-1.54	-1.52	-1.56	-1.47	-0.98	-0.38	-0.14	0.02	0.14	0.19	0.24	0.31	-0.33	1.03	-1.56
2	0.83	2.08	0.96	1.05	1.35	1.18	-0.13	-0.44	-0.68	-0.99	-1.41	-1.48	-1.61	-1.55	-1.59	-1.41	-1.27	-0.97	-0.39	0.17	0.37	0.79	1.09	-0.14	-0.17	2.08	-1.61
3	0.69	0.56	0.56	0.50	0.35	0.32	0.45	0.31	-0.06	-0.28	-0.13	-0.18	-0.25	-0.42	-0.76	-0.62	-0.72	-0.60	-0.13	0.64	1.70	1.10	0.91	1.06	0.21	1.70	-0.76
4	0.90	0.55	0.65	0.95	0.98	1.17	0.44	-0.18	-0.07	-0.65	-0.55	-1.15	-1.16	-1.31	-1.01	-0.80	-0.25	0.09	0.30	0.38	0.88	0.95	0.27	0.35	0.07	1.17	-1.31
5	0.44	0.47	1.39	0.82	0.99	0.81	1.11	0.18	0.03	0.14	0.13	-0.34	-0.55	-0.97	-0.47	-0.27	-0.21	-0.22	-0.21	-0.04	0.41	0.28	0.17	0.57	0.19	1.39	-0.97
6	0.42	0.89	0.28	0.29	0.61	0.45	-0.06	-0.39	-0.79	-0.87	-0.99	-1.27	-1.35	-1.44	-1.30	-1.29	-1.24	-0.31	0.12	0.30	0.28	0.52	1.34	1.60	-0.18	1.60	-1.44
7	1.33	1.48	0.84	1.06	0.77	1.05	-0.24	-0.62	-0.67	-0.75	-0.90	-1.06	-1.30	-1.28	-1.09	-0.91	-0.96	-0.79	-0.26	0.88	2.40	1.31	2.01	1.80	0.17	2.40	-1.30
8	1.96	1.91	2.16	1.96	1.73	1.96	0.07	-0.66	-0.31	-0.77	-1.02	-1.26	-1.20	-1.39	-1.39	-1.10	-1.10	-0.43	-0.15	0.17	0.23	0.21	0.23	0.32	0.09	2.16	-1.39
9	0.41	0.65	2.17	2.17	1.73	1.12	0.53	-0.03	-0.33	-0.71	-0.78	-0.74	-1.26	-1.07	-1.38	-1.00	-1.09	-0.77	-0.25	0.20	0.43	0.46	0.53	0.65	0.07	2.17	-1.38
10	1.51	1.01	0.95	1.97	1.29	1.44	-0.05	-0.51	-0.65	-0.89	-1.14	-1.24	-1.42	-1.22	-1.33	-1.06	-1.07	-0.79	-0.21	0.44	0.85	0.69	0.38	0.33	-0.03	1.97	-1.42
11	0.32	1.80	1.12	1.06	1.60	1.24	-0.11	-0.01	-0.62	-1.06	-0.78	-0.82	-1.22	-1.25	-1.24	-1.29	-1.17	-0.86	-0.33	0.57	2.67	2.62	1.51	0.62	0.18	2.67	-1.29
12	0.98	1.80	1.01	1.44	1.42	1.45	0.04	-0.44	-0.31	-0.60	-0.59	-0.79	-1.04	-1.14	-1.02	-1.27	-1.15	-0.73	-0.17	0.06	0.11	0.17	0.34	0.51	0.00	1.80	-1.27
13	0.45	0.57	0.41	0.59	0.50	0.52	0.17	-0.23	-0.65	-0.74	-0.84	-1.23	-1.17	-1.32	-1.32	-1.22	-0.98	-0.54	-0.25	-0.15	-0.06	-0.03	0.02	0.31	-0.30	0.59	-1.32
14	0.03	0.05	0.11	0.14	0.16	0.16	-0.03	-0.30	-0.47	--	--	--	-1.23	-1.40	-1.32	-1.35	-0.86	-0.24	0.03	0.14	0.25	0.05	-0.04	0.50	-0.27	0.50	-1.40
15	0.82	0.82	0.91	1.06	1.00	0.72	0.59	-0.18	-0.44	-0.84	-1.23	-1.40	-1.36	-1.35	-1.23	-1.09	-1.02	-0.80	-0.26	0.85	2.29	1.93	1.16	0.87	0.08	2.29	-1.40
16	0.56	0.22	0.27	0.46	1.07	1.53	0.35	-0.48	-0.56	-0.79	-1.01	-1.17	-1.40	-1.39	-1.40	-1.24	-1.16	-0.85	-0.28	0.29	1.57	1.26	0.06	0.36	-0.16	1.57	-1.40
17	1.15	1.20	1.48	1.08	1.24	1.30	0.69	0.01	-0.25	-0.37	-0.54	-0.90	-0.63	-0.51	-0.67	-0.74	-0.58	0.01	0.14	0.99	1.72	1.02	0.11	0.19	0.30	1.72	-0.90
18	0.79	0.82	0.92	0.61	0.26	1.20	-0.04	-0.39	-0.36	-0.47	-0.59	-1.10	-1.57	-1.42	-1.27	-0.67	-0.43	-0.36	-0.24	-0.06	0.56	0.23	0.40	0.25	-0.12	1.20	-1.57
19	0.06	0.12	0.23	0.25	0.17	0.00	-0.03	-0.27	-0.19	-0.58	-0.84	-1.07	-1.24	-1.04	-0.96	-1.20	-1.05	-0.85	-0.20	0.35	0.61	0.58	0.43	1.27	-0.23	1.27	-1.24
20	1.66	0.65	0.57	0.43	0.78	0.99	-0.21	-0.37	-0.49	-0.74	-0.94	-1.24	-1.39	-1.21	-1.45	-1.22	-1.12	-0.74	-0.28	0.39	0.88	2.27	1.76	1.50	0.02	2.27	-1.45
21	1.63	1.54	1.29	1.22	1.78	1.58	0.57	-0.24	-0.46	-0.70	-0.97	-1.14	-1.33	-1.35	-1.34	-1.30	-1.02	-0.81	-0.31	0.99	2.91	2.02	2.26	1.19	0.33	2.91	-1.35
22	1.32	1.98	1.49	1.16	1.95	1.77	0.74	0.13	-0.33	-0.86	-1.07	-1.10	-1.28	-1.43	-1.44	-1.28	-1.10	-0.82	-0.31	1.22	2.95	2.74	0.64	0.40	0.31	2.95	-1.44
23	0.48	0.53	0.73	0.92	1.22	1.23	0.75	-0.05	-0.20	-0.87	-1.06	-0.84	-0.78	-0.53	-0.57	-0.69	-0.50	-0.34	-0.04	0.27	0.36	-0.12	-0.02	0.08	0.00	1.23	-1.06
24	0.20	0.72	1.11	1.04	0.63	0.58	0.51	-0.10	-0.43	-0.88	-0.77	-1.22	-1.45	-1.61	-1.62	-1.49	-1.15	-0.84	-0.38	0.21	0.70	2.34	1.36	1.86	-0.03	2.34	-1.62
25	1.75	1.96	1.72	2.10	0.81	1.51	1.21	0.28	0.04	-0.81	-1.15	-1.22	-1.35	-1.60	-0.98	-0.43	-0.34	0.00	0.19	0.84	2.27	1.62	1.20	2.59	0.51	2.59	-1.60
26	2.16	2.68	2.74	2.71	2.77	2.49	1.31	-0.06	-0.13	-0.61	-1.02	-1.15	-1.27	-1.39	-1.38	-1.28	-0.97	-0.52	0.02	0.55	0.66	1.73	1.52	1.53	0.55	2.77	-1.39
27	2.38	2.01	2.18	2.11	2.36	1.66	1.01	-0.23	-0.66	-1.04	-1.26	-1.31	-1.60	-1.55	-1.54	-1.37	-1.08	-0.74	-0.35	0.85	2.78	2.18	2.00	1.18	0.42	2.78	-1.60
28	1.61	0.87	2.18	0.68	0.33	0.53	0.71	-0.01	-0.31	-0.77	-1.09	-1.33	-1.32	-1.62	-1.55	-1.42	-1.40	-0.71	-0.07	0.13	0.42	0.37	0.05	0.07	-0.15	2.18	-1.62
29	0.17	0.47	0.63	0.27	0.48	0.46	0.20	-0.19	-0.35	-0.75	-1.54	-1.80	-1.70	-1.77	-1.62	-1.58	-1.27	-0.78	-0.21	0.06	0.19	0.29	0.22	0.17	-0.41	0.63	-1.80
30	0.13	0.38	0.73	0.70	0.42	0.43	0.21	-0.32	-0.68	-1.00	-1.23	-1.23	-1.38	-1.07	-0.71	-0.85	-0.76	-0.57	-0.27	0.65	1.90	0.95	1.12	0.65	-0.08	1.90	-1.38
31	0.43	1.01	1.15	0.68	0.92	1.31	-0.02	-0.33	-0.59	-1.10	-1.30	-1.43	-1.48	-1.13	-0.69	-0.20	-0.14	0.15	0.59	0.30	0.43	0.39	0.27	0.36	-0.02	1.31	-1.48
Avg	0.89	1.03	1.08	1.04	1.05	1.06	0.35	-0.21	-0.41	-0.75	-0.93	-1.12	-1.25	-1.27	-1.20	-1.07	-0.91	-0.55	-0.14	0.41	1.09	1.00	0.76	0.75	0.03	--	--
Max	2.38	2.68	2.74	2.71	2.77	2.49	1.31	0.31	0.04	0.14	0.13	-0.18	-0.25	-0.42	-0.47	-0.20	-0.14	0.15	0.59	1.22	2.95	2.74	2.26	2.59	--	2.95	--
Min	0.03	0.05	0.11	0.14	0.16	0.00	-0.24	-0.66	-0.79	-1.10	-1.54	-1.80	-1.70	-1.77	-1.62	-1.58	-1.40	-0.97	-0.39	-0.15	-0.06	-0.12	-0.04	-0.14	--	--	-1.80

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Aug 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	0.41	0.76	1.00	1.14	0.74	0.85	0.18	-0.74	-0.46	-0.82	-1.08	-1.26	-1.48	-1.49	-1.40	-1.45	-1.23	-0.95	-0.29	0.22	1.36	1.09	0.90	0.77	-0.14	1.36	-1.49
2	0.29	0.37	0.45	0.85	0.56	0.54	0.23	-0.57	-0.79	-0.98	-1.11	-1.28	-1.45	-1.48	-1.50	-1.33	-1.19	-0.78	-0.20	1.12	2.08	1.35	2.15	1.43	-0.05	2.15	-1.50
3	2.03	1.78	1.18	2.02	1.23	1.81	0.64	-0.67	-0.73	-0.91	-1.19	-1.29	-1.46	-1.46	-1.43	-1.39	-1.10	-0.73	-0.13	1.24	3.06	1.53	2.23	2.62	0.37	3.06	-1.46
4	1.89	1.78	2.16	2.55	2.36	2.10	0.73	-0.55	-0.50	-0.76	-1.04	-1.36	-1.50	-1.63	-1.43	-1.35	-1.08	-0.71	-0.17	0.83	3.53	2.76	2.59	2.26	0.56	3.53	-1.63
5	2.45	1.66	2.59	2.63	2.06	2.43	0.45	-0.58	-0.55	-0.86	-1.26	-1.22	-1.64	-1.61	-1.63	-1.44	-1.01	-0.74	-0.22	0.74	2.74	1.25	2.22	1.49	0.41	2.74	-1.64
6	1.46	1.14	1.26	1.07	1.46	1.37	0.58	0.02	-0.57	-0.74	-0.88	-0.68	-0.33	-0.39	-0.70	-0.61	-0.89	-0.65	-0.06	1.85	1.80	1.12	1.27	2.09	0.42	2.09	-0.89
7	1.73	1.65	1.02	0.65	0.45	1.00	0.82	0.05	-0.70	-0.95	-1.34	-1.04	-1.51	-1.76	-0.93	-0.98	-0.68	-0.39	0.13	0.44	0.56	0.40	0.47	0.60	-0.01	1.73	-1.76
8	0.62	0.26	0.17	0.31	0.08	0.13	0.14	-0.34	-0.80	-0.90	-1.12	-1.16	-1.60	-1.36	-1.62	-1.40	-1.21	-0.82	-0.17	0.86	2.28	2.00	1.00	1.68	-0.12	2.28	-1.62
9	1.37	1.73	1.15	1.17	1.02	1.43	0.71	-0.60	-0.73	-0.84	-1.18	-1.35	-1.62	-1.59	-1.59	-1.52	-1.15	-0.82	-0.23	0.52	0.27	0.14	0.64	0.31	-0.11	1.73	-1.62
10	-0.09	-0.02	0.29	0.74	0.22	0.23	0.02	-0.22	-0.46	-0.66	-1.15	-0.94	-1.04	-1.26	-1.35	-1.48	-1.36	-1.16	-0.45	0.19	0.15	0.03	0.32	0.10	-0.39	0.74	-1.48
11	0.23	0.83	1.16	0.66	0.86	1.56	0.12	-0.25	-0.33	-0.12	0.22	-0.09	-0.69	-0.84	-0.79	-0.58	-0.75	-0.74	-0.25	0.71	0.83	1.10	0.38	0.36	0.15	1.56	-0.84
12	0.21	0.23	0.22	0.24	0.19	0.22	0.12	-0.26	-0.35	-0.46	-0.63	-0.81	-0.94	-0.58	-1.09	-1.06	-0.75	-0.23	0.05	0.17	1.25	0.85	0.76	1.31	-0.06	1.31	-1.09
13	1.22	1.10	0.64	0.56	0.45	0.44	0.34	-0.33	-0.61	-0.79	-1.02	-1.39	-1.38	-1.67	-1.40	-1.13	-0.98	-0.56	0.00	1.55	2.30	2.21	1.57	1.39	0.10	2.30	-1.67
14	1.75	1.89	1.95	1.82	1.24	0.69	0.89	-0.57	-0.60	-0.75	-1.13	-1.30	-1.47	-1.57	-0.87	-1.22	-0.69	-0.26	-0.14	0.10	0.52	0.96	0.48	1.07	0.12	1.95	-1.57
15	1.53	2.04	1.06	1.18	0.56	0.37	0.07	-0.36	-0.65	-0.85	-1.26	-1.43	-1.35	-1.46	-1.63	-1.58	-1.22	-0.73	-0.06	1.31	3.29	2.72	1.16	1.00	0.15	3.29	-1.63
16	1.65	2.41	1.98	1.90	1.98	0.63	0.27	-0.23	-0.68	-0.72	-0.92	-1.60	-1.85	-1.73	-1.86	-1.53	-1.21	-0.60	-0.12	0.62	2.28	1.72	2.02	2.01	0.27	2.41	-1.86
17	2.28	0.73	0.25	0.16	0.19	0.37	0.48	-0.09	-0.62	-1.14	-1.38	-1.51	-1.51	-1.66	-1.84	-1.49	-1.21	-0.73	-0.19	0.27	0.54	0.56	0.32	0.35	-0.29	2.28	-1.84
18	0.26	0.21	0.46	1.38	1.47	1.38	0.54	-0.30	-0.72	-1.02	-1.32	-1.46	-1.58	-1.63	-1.69	-1.51	-1.18	-0.68	-0.15	0.38	1.14	2.77	1.51	1.36	-0.01	2.77	-1.69
19	1.02	0.76	1.76	1.58	2.13	1.20	0.68	-0.60	-0.54	-0.91	-1.23	-1.46	-1.51	-1.61	-1.68	-1.48	-1.24	-0.57	-0.03	1.71	2.81	1.39	1.06	1.75	0.21	2.81	-1.68
20	2.08	1.18	1.13	1.68	1.88	1.69	0.83	-0.32	-0.72	-1.06	-1.37	-1.49	-1.61	-1.69	-1.50	-1.42	-1.18	-0.72	-0.16	0.11	0.17	0.61	1.66	1.51	0.05	2.08	-1.69
21	1.46	1.74	1.45	1.30	0.94	0.81	0.58	-0.34	-0.46	-0.68	-1.14	-1.30	-1.58	-1.79	-1.81	-1.55	-0.98	-0.59	-0.14	0.67	2.30	1.65	1.21	1.40	0.13	2.30	-1.81
22	0.38	0.52	0.14	0.03	0.05	0.12	0.10	-0.40	-0.68	-1.04	-1.36	-1.34	-1.81	-1.91	-1.52	-1.48	-1.20	-0.81	-0.17	0.74	0.20	0.27	1.70	2.26	-0.30	2.26	-1.91
23	1.70	1.10	1.42	1.15	0.70	0.72	0.35	-0.18	-0.56	-0.61	-0.92	-1.16	-1.59	-1.57	-1.65	-1.48	-1.21	-0.72	-0.40	0.03	-0.02	0.22	0.59	0.75	-0.14	1.70	-1.65
24	0.37	0.77	0.84	1.65	0.80	0.29	0.03	-0.31	-0.68	-1.06	-1.18	-1.25	-1.51	-1.47	-1.40	-1.25	-0.73	-0.45	-0.03	0.16	0.24	0.72	0.51	0.04	-0.20	1.65	-1.51
25	0.01	0.00	0.02	0.02	-0.04	-0.03	0.02	-0.23	-0.48	-0.64	-1.12	-1.16	-1.13	-0.91	-1.38	-1.41	-0.16	-0.09	0.08	0.10	0.18	0.10	0.15	0.16	-0.33	0.18	-1.41
26	0.19	0.21	0.23	0.19	0.51	0.61	0.43	-0.23	-0.60	-0.73	-1.12	-1.23	-1.16	-0.77	-0.65	-1.02	-0.93	-0.65	0.01	0.12	0.11	0.45	1.01	1.37	-0.15	1.37	-1.23
27	1.41	1.66	1.08	1.01	0.37	0.20	0.13	-0.42	-0.71	-0.93	-1.18	-1.40	-1.50	-1.44	-1.32	-1.09	-0.49	-0.31	-0.10	0.03	0.12	0.40	0.25	0.17	-0.17	1.66	-1.50
28	0.91	0.81	0.28	0.41	0.30	0.32	-0.03	-0.51	-0.62	-0.79	-1.04	-1.31	-1.52	-1.64	-1.43	-1.46	-1.05	-0.39	0.17	1.22	2.21	1.13	1.72	1.35	-0.04	2.21	-1.64
29	0.61	0.94	0.56	0.92	1.31	1.73	1.31	-0.41	-0.68	-0.99	-1.30	-1.34	-1.41	-1.03	-0.86	-0.28	-0.46	-0.11	0.66	0.39	0.08	0.04	0.45	0.40	0.02	1.73	-1.41
30	0.57	1.46	2.08	1.71	1.34	0.38	0.69	-0.42	-0.78	-0.96	-1.19	-1.42	-1.44	-1.76	-1.57	-1.45	-1.06	-0.67	0.19	1.16	0.15	0.08	0.16	0.80	-0.08	2.08	-1.76
31	1.08	0.72	0.59	0.16	0.94	1.13	0.41	-0.08	-0.62	-0.98	-1.23	-1.58	-1.50	-1.53	-1.47	-1.43	-0.95	-0.60	0.02	-0.08	-0.10	-0.04	0.05	0.11	-0.29	1.13	-1.58
Avg	1.07	1.04	0.99	1.06	0.92	0.86	0.41	-0.36	-0.61	-0.83	-1.10	-1.25	-1.41	-1.43	-1.39	-1.29	-0.99	-0.61	-0.08	0.63	1.24	1.02	1.05	1.11	0.00	--	--
Max	2.45	2.41	2.59	2.63	2.36	2.43	1.31	0.05	-0.33	-0.12	0.22	-0.09	-0.33	-0.39	-0.65	-0.28	-0.16	-0.09	0.66	1.85	3.53	2.77	2.59	2.62	--	3.53	--
Min	-0.09	-0.02	0.02	0.02	-0.04	-0.03	-0.03	-0.74	-0.80	-1.14	-1.38	-1.60	-1.85	-1.91	-1.86	-1.58	-1.36	-1.16	-0.45	-0.08	-0.10	-0.04	0.05	0.04	--	--	-1.91

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, DeltaT"
Month: Sep 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	0.34	0.26	0.18	0.06	0.20	0.42	0.30	-0.02	-0.33	-0.82	-1.07	-1.17	-1.10	-1.08	-1.30	-1.20	-0.86	-0.42	0.63	2.16	1.04	0.97	0.95	0.37	-0.06	2.16	-1.30
2	0.10	0.57	0.41	0.30	0.38	0.27	0.11	-0.22	-0.46	-0.60	-0.97	-1.11	-1.26	-1.61	-1.41	-1.25	-0.81	-0.07	0.69	2.10	1.63	0.73	1.19	0.59	-0.03	2.10	-1.61
3	0.37	0.16	0.46	1.18	2.12	2.25	1.38	-0.22	-0.65	-0.80	-1.17	-1.40	-0.75	-0.09	-0.18	-0.29	-0.03	-0.17	-0.16	-0.07	0.65	0.72	0.74	0.09	0.17	2.25	-1.40
4	0.80	0.69	0.55	0.78	1.17	0.94	0.99	-0.31	-0.61	-0.89	-1.19	-1.33	-1.56	-1.12	-0.93	-0.72	-0.44	-0.28	-0.10	0.34	0.87	0.57	0.43	0.32	-0.04	1.17	-1.56
5	1.33	0.91	1.04	0.49	0.24	0.74	0.60	-0.15	-0.34	-0.39	-0.53	-0.54	-0.59	-1.32	-1.18	-1.34	-0.86	-0.61	0.03	0.21	0.21	0.40	0.55	0.97	0.00	1.33	-1.34
6	0.69	0.64	1.08	1.16	0.54	0.21	0.08	-0.39	-0.71	-1.03	-1.16	-1.12	-1.36	-1.43	-1.34	-1.41	-0.99	-0.42	0.28	0.62	1.96	1.12	1.71	0.79	-0.02	1.96	-1.43
7	0.69	0.52	0.82	1.55	1.34	0.47	0.24	-0.06	-0.25	-0.76	-0.61	-1.13	-1.33	-1.38	-0.75	-1.14	-0.84	-0.26	0.13	0.43	1.05	1.07	1.53	0.60	0.08	1.55	-1.38
8	0.61	0.65	0.86	0.79	0.57	0.75	1.26	0.67	-0.14	-0.61	-0.81	-0.87	-1.52	-1.06	-1.31	-0.92	-0.93	-0.53	0.23	1.06	2.23	1.02	0.54	0.28	0.12	2.23	-1.52
9	1.12	1.68	1.33	0.62	1.16	0.40	0.99	0.27	-0.20	-0.53	-0.88	-1.15	-0.91	-1.15	-0.82	-0.72	-0.48	-0.22	0.08	0.19	0.37	0.54	0.99	1.11	0.16	1.68	-1.15
10	1.09	1.10	0.46	0.14	0.55	0.55	0.45	-0.02	-0.18	-0.22	-0.34	-0.29	-0.75	-0.87	-1.06	-1.00	-0.53	-0.29	0.02	0.60	1.44	1.28	1.45	1.11	0.20	1.45	-1.06
11	1.46	1.36	0.84	0.71	1.11	0.98	0.54	-0.41	-0.50	-0.87	-1.18	-1.49	-1.50	-1.61	-1.43	-1.27	-0.96	-0.46	0.28	2.24	1.39	1.01	1.90	1.58	0.16	2.24	-1.61
12	1.48	0.83	1.17	1.57	1.52	1.27	0.51	-0.47	-0.78	-0.86	-0.95	-1.37	-1.26	-1.35	-1.24	-0.68	-0.26	-0.04	0.14	0.84	0.93	1.17	1.52	0.85	0.19	1.57	-1.37
13	1.29	1.17	1.58	1.31	1.36	1.21	0.73	-0.30	-0.61	-0.84	-1.23	-1.30	-1.72	-1.73	-1.59	-1.41	-0.87	-0.46	-0.04	-0.13	-0.11	-0.12	0.15	0.11	-0.15	1.58	-1.73
14	0.41	0.53	0.63	0.54	0.36	1.20	0.89	-0.24	-0.22	-0.69	-1.12	-1.55	-1.54	-1.71	-1.53	-1.34	-1.01	-0.30	0.69	0.47	0.40	0.13	0.38	0.76	-0.16	1.20	-1.71
15	0.80	1.50	1.50	1.07	0.24	0.99	0.49	-0.26	-0.46	-0.99	-1.14	-1.16	-1.49	-1.50	-1.35	-1.40	-0.86	-0.20	0.04	0.06	0.19	0.43	0.28	0.35	-0.12	1.50	-1.50
16	0.37	0.76	0.90	0.68	1.20	1.63	0.57	-0.51	-0.70	-0.91	-1.17	-1.49	-1.26	-1.64	-1.61	-1.11	-0.96	-0.32	0.21	0.85	1.40	1.10	1.93	1.47	0.06	1.93	-1.64
17	0.81	1.85	1.94	1.96	2.01	1.91	1.10	-0.46	-0.51	-0.91	-1.19	-1.60	-1.44	-1.62	-1.58	-1.40	-1.00	-0.48	0.50	2.23	2.09	1.72	1.74	1.34	0.38	2.23	-1.62
18	1.64	1.37	1.33	1.72	1.70	1.42	0.74	-0.35	-0.68	-0.93	-1.20	-1.36	-1.46	-1.35	-1.45	-1.26	-0.65	-0.12	0.60	2.49	1.83	2.02	1.90	1.75	0.41	2.49	-1.46
19	1.65	1.39	1.64	1.51	1.50	1.95	1.23	0.48	-0.47	-0.36	-0.98	-1.50	-1.37	-1.46	-1.42	-1.27	-0.46	-0.14	-0.02	0.05	0.09	0.20	0.22	0.19	0.11	1.95	-1.50
20	0.21	0.21	1.44	0.79	0.65	0.65	0.49	-0.30	-0.67	-0.91	-1.18	-1.25	-1.37	-1.31	-1.11	-1.35	-0.97	-0.31	0.44	2.31	2.41	1.12	2.19	0.97	0.13	2.41	-1.37
21	0.53	1.64	1.74	1.19	1.22	0.84	0.31	-0.03	-0.13	0.12	0.04	-0.04	-0.16	-0.06	0.07	0.16	0.11	0.03	0.04	0.03	0.06	-0.02	-0.01	-0.07	0.32	1.74	-0.16
22	-0.09	0.17	0.07	0.02	0.08	0.24	0.23	-0.06	-0.35	-0.64	-0.53	-0.50	-0.50	-0.89	-0.97	-1.14	-0.95	-0.19	0.47	0.47	0.23	0.06	0.22	0.90	-0.15	0.90	-1.14
23	1.25	0.94	0.79	0.57	0.56	0.84	1.35	-0.29	-0.46	-0.75	-1.15	-1.01	-1.02	-1.29	-1.24	-1.27	-0.94	-0.37	0.56	2.31	1.58	1.26	1.50	0.96	0.20	2.31	-1.29
24	1.23	0.87	0.86	1.40	1.78	1.92	1.77	0.14	-0.32	-0.68	-1.01	-1.10	-1.48	-1.51	-1.30	-0.89	-0.87	-0.34	1.91	3.23	3.24	1.68	1.35	0.97	0.54	3.24	-1.51
25	1.32	2.05	2.92	1.70	0.63	0.72	2.34	0.15	-0.41	-0.81	-1.22	-1.21	-1.31	-1.39	-1.14	-1.04	-0.72	-0.29	0.22	0.39	0.69	1.07	3.47	2.71	0.45	3.47	-1.39
26	2.98	3.02	2.78	2.11	1.87	2.04	0.73	0.19	-0.32	-0.68	-1.03	-1.18	-1.41	-1.37	-1.29	-1.13	-0.80	-0.32	1.22	3.26	2.82	3.02	2.72	1.73	0.87	3.26	-1.41
27	1.46	1.87	2.34	2.12	2.58	2.11	0.81	0.00	-0.59	-0.99	-1.15	-1.37	-1.27	-1.32	-1.38	-1.34	-0.79	-0.18	1.37	2.83	1.82	1.92	1.72	1.66	0.59	2.83	-1.38
28	0.96	1.53	1.59	1.27	1.79	2.56	2.14	-0.12	-0.68	-0.75	-1.14	-1.29	-1.48	-1.40	-1.23	-0.71	-0.30	0.01	2.22	3.23	1.04	2.70	1.59	1.17	0.61	3.23	-1.48
29	1.64	1.61	1.91	2.33	1.76	2.25	2.34	-0.08	-0.58	-0.73	-1.13	-1.31	-1.60	-1.32	-1.25	-1.16	-0.78	-0.19	0.86	2.62	1.43	2.23	2.40	2.07	0.64	2.62	-1.60
30	1.44	1.43	1.99	2.51	2.01	1.90	2.09	0.21	-0.53	-0.73	-1.03	-1.27	-1.49	-1.49	-1.42	-1.09	-0.66	-0.02	2.54	2.76	2.27	1.95	1.58	2.18	0.71	2.76	-1.49
Avg	1.00	1.11	1.24	1.14	1.14	1.19	0.93	-0.11	-0.46	-0.72	-0.98	-1.15	-1.24	-1.28	-1.19	-1.07	-0.72	-0.27	0.54	1.34	1.24	1.10	1.29	1.00	0.21	--	--
Max	2.98	3.02	2.92	2.51	2.58	2.56	2.34	0.67	-0.13	0.12	0.04	-0.04	-0.16	-0.06	0.07	0.16	0.11	0.03	2.54	3.26	3.24	3.02	3.47	2.71	--	3.47	--
Min	-0.09	0.16	0.07	0.02	0.08	0.21	0.08	-0.51	-0.78	-1.03	-1.23	-1.60	-1.72	-1.73	-1.61	-1.41	-1.01	-0.61	-0.16	-0.13	-0.11	-0.12	-0.01	-0.07	--	--	-1.73

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Jul 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	29.0	27.0	25.9	24.5	23.8	23.5	25.4	27.5	29.4	30.9	32.2	33.7	34.9	35.8	36.5	36.9	36.6	35.4	34.5	33.2	31.8	30.9	30.3	29.6	30.8	36.9	23.5
2	28.3	25.7	25.3	24.5	23.0	22.6	25.5	29.1	30.9	32.8	34.5	35.4	36.4	37.1	37.5	37.8	37.7	37.3	36.3	35.0	34.1	32.9	31.6	28.1	31.6	37.8	22.6
3	24.0	23.7	23.6	23.9	22.7	22.3	22.9	23.7	25.2	28.1	29.9	31.4	31.6	32.6	33.8	34.2	34.9	34.9	34.0	32.0	29.3	27.5	26.8	25.7	28.3	34.9	22.3
4	27.7	28.5	26.5	25.3	24.0	23.1	24.5	27.3	30.8	33.3	33.5	35.5	35.9	36.2	36.2	36.4	35.6	35.0	33.8	32.9	31.8	31.0	31.1	30.3	31.1	36.4	23.1
5	30.0	29.3	27.1	27.1	26.8	27.5	26.5	28.5	29.3	29.0	25.4	27.2	29.5	32.3	32.8	26.6	26.5	26.4	26.7	26.5	25.7	25.7	25.6	24.9	27.6	32.8	24.9
6	24.2	23.2	23.5	23.7	23.1	22.7	23.9	26.7	28.6	30.4	31.8	33.3	34.2	34.9	35.3	35.9	36.3	34.9	34.0	33.3	32.0	30.1	28.0	26.6	29.6	36.3	22.7
7	25.6	24.6	24.1	23.9	23.8	22.8	25.6	28.9	30.6	32.3	33.7	34.8	36.0	36.6	37.0	37.1	37.6	37.4	36.4	34.0	30.3	28.5	27.0	25.7	30.6	37.6	22.8
8	25.5	24.1	22.7	21.4	20.9	20.2	24.2	29.2	31.5	33.6	34.8	35.8	36.4	37.3	38.0	38.0	38.3	36.7	36.0	34.7	33.5	32.4	31.6	30.7	31.1	38.3	20.2
9	29.9	28.7	25.5	23.1	22.7	22.4	23.8	27.4	30.0	31.2	32.3	32.3	33.5	33.5	34.8	34.6	35.0	34.5	33.1	31.6	30.7	29.5	28.5	27.3	29.8	35.0	22.4
10	23.7	23.2	22.3	20.3	20.0	18.8	22.4	27.0	29.2	31.0	32.4	33.4	34.3	34.8	35.5	35.3	35.9	35.5	34.1	32.5	31.4	30.5	29.7	29.0	29.3	35.9	18.8
11	28.3	25.4	24.5	24.4	23.1	22.9	25.6	28.2	31.3	33.1	33.2	34.1	35.3	36.1	36.7	37.2	36.9	37.0	36.1	34.0	30.4	27.3	28.8	30.2	30.8	37.2	22.9
12	28.5	24.1	23.4	21.8	21.5	20.8	24.2	28.2	31.1	32.9	33.9	35.5	37.2	37.9	38.0	38.3	37.9	37.2	36.3	34.5	32.4	31.6	30.7	29.2	31.1	38.3	20.8
13	28.3	27.4	27.2	26.7	26.9	27.7	29.2	30.9	33.2	34.3	35.4	37.0	37.6	38.4	39.1	39.3	39.0	38.3	36.8	33.7	31.5	30.6	30.4	29.7	32.9	39.3	26.7
14	29.3	28.7	28.6	28.0	27.3	27.2	27.5	30.0	31.6	--	--	--	37.1	38.1	38.5	39.0	38.1	36.8	36.2	35.2	34.0	32.6	29.1	26.1	32.3	39.0	26.1
15	25.9	25.9	26.0	25.6	25.3	25.1	25.4	28.9	30.4	31.6	32.5	33.6	34.7	35.7	36.5	36.8	37.0	36.6	35.9	33.9	30.5	29.3	30.3	30.5	31.0	37.0	25.1
16	30.0	29.4	28.4	27.7	25.9	24.1	26.2	29.7	31.6	33.1	34.4	35.9	36.7	37.5	38.1	38.2	38.3	38.1	37.3	35.6	33.1	32.0	31.5	29.1	32.6	38.3	24.1
17	27.4	27.1	26.2	25.8	25.2	24.6	26.0	28.6	28.2	28.8	28.2	29.2	29.3	30.0	31.2	32.5	33.4	32.8	32.1	30.6	28.6	28.5	28.0	27.1	28.7	33.4	24.6
18	26.0	25.1	24.4	24.9	25.6	23.7	24.9	27.3	28.8	30.0	31.0	32.8	34.5	34.9	35.1	34.2	30.3	28.4	28.4	28.3	23.6	22.4	22.8	22.3	27.9	35.1	22.3
19	22.4	22.4	22.3	22.3	22.2	21.9	22.3	23.2	24.5	27.0	28.5	30.0	31.5	31.8	32.6	33.1	33.2	32.8	31.7	30.3	29.2	28.5	27.9	26.4	27.4	33.2	21.9
20	24.6	24.2	23.6	23.2	22.2	21.6	24.0	27.0	29.0	30.5	31.6	33.0	33.8	34.5	35.3	35.4	35.6	35.1	34.1	32.4	30.7	28.5	26.6	25.2	29.2	35.6	21.6
21	24.1	23.3	23.3	22.6	21.7	21.3	23.7	27.9	30.3	32.4	34.0	35.1	36.1	36.8	37.3	37.7	37.4	36.8	35.7	33.2	29.2	27.6	26.2	26.5	30.0	37.7	21.3
22	25.4	25.3	25.0	23.8	21.3	20.4	23.1	27.4	30.3	31.4	32.7	33.9	35.2	36.2	36.7	36.9	36.8	36.5	35.5	33.0	29.7	29.1	31.7	31.1	30.4	36.9	20.4
23	30.2	29.7	28.2	27.2	24.1	22.5	23.6	27.2	28.9	30.6	31.8	32.1	32.2	31.9	32.6	33.8	34.0	34.0	33.8	33.1	32.4	29.0	27.4	27.2	29.9	34.0	22.5
24	27.3	26.3	25.6	25.2	25.5	25.7	26.0	27.2	28.2	29.8	30.7	32.8	34.6	35.9	36.8	37.3	37.0	36.5	35.4	34.0	32.6	29.4	27.6	26.2	30.6	37.3	25.2
25	25.9	24.3	24.1	23.2	24.6	24.2	24.8	27.5	30.2	33.3	35.2	36.7	37.4	38.7	37.9	36.9	36.9	36.4	36.1	34.7	32.0	28.9	28.2	24.8	31.0	38.7	23.2
26	23.7	21.9	20.9	20.0	19.3	19.0	21.3	26.9	31.6	34.8	36.0	36.8	37.7	38.4	39.3	39.3	38.7	37.7	36.4	34.9	33.8	29.7	27.2	25.7	30.5	39.3	19.0
27	23.5	22.6	21.8	21.2	21.1	21.4	22.8	28.6	30.9	32.5	33.9	35.1	36.4	37.2	37.6	38.0	37.8	37.3	36.5	34.1	30.5	28.4	27.6	27.5	30.2	38.0	21.1
28	26.1	26.7	27.6	29.7	29.4	28.3	27.8	29.3	30.5	32.1	33.6	35.3	36.3	38.0	38.6	38.9	39.1	37.4	35.7	35.0	32.4	29.7	28.9	28.0	32.3	39.1	26.1
29	27.5	26.4	25.8	26.3	26.0	25.7	26.5	28.7	30.0	31.5	33.6	34.0	34.5	35.5	36.0	36.2	36.0	34.6	27.0	22.3	23.1	25.0	25.6	25.5	29.3	36.2	22.3
30	25.3	24.4	23.8	24.2	24.3	23.8	25.8	27.8	29.7	31.4	32.8	34.0	35.2	35.8	36.0	37.1	37.6	37.2	36.8	34.7	32.1	29.8	28.2	27.6	30.6	37.6	23.8
31	27.4	26.8	26.2	26.2	26.1	24.6	26.3	30.2	33.7	35.5	36.1	37.1	37.9	37.0	30.6	27.9	28.3	27.8	24.9	25.0	23.8	23.5	23.7	24.6	28.8	37.9	23.5
Avg	26.6	25.7	24.9	24.4	23.8	23.3	24.9	27.9	30.0	31.6	32.7	33.9	35.0	35.7	36.1	36.0	35.9	35.3	34.1	32.5	30.5	29.0	28.3	27.4	30.2	--	--
Max	30.2	29.7	28.6	29.7	29.4	28.3	29.2	30.9	33.7	35.5	36.1	37.1	37.9	38.7	39.3	39.3	39.1	38.3	37.3	35.6	34.1	32.9	31.7	31.1	--	39.3	--
Min	22.4	21.9	20.9	20.0	19.3	18.8	21.3	23.2	24.5	27.0	25.4	27.2	29.3	30.0	30.6	26.6	26.5	26.4	24.9	22.3	23.1	22.4	22.8	22.3	--	--	18.8

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Aug 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	26.1	25.6	25.1	24.1	24.3	23.7	24.4	27.7	29.7	32.8	34.3	35.4	36.4	37.0	37.3	37.9	37.4	36.8	35.3	33.9	32.1	30.9	29.8	29.5	31.1	37.9	23.7
2	29.2	28.7	28.1	27.1	27.1	26.6	27.3	30.4	32.3	33.9	35.3	36.4	37.3	37.9	38.5	38.4	38.4	37.8	36.7	34.5	30.9	29.5	27.2	26.3	32.3	38.5	26.3
3	24.8	24.2	24.0	22.6	22.7	21.7	23.8	29.3	33.1	34.6	35.6	36.9	38.2	39.1	39.8	40.1	39.9	39.1	37.8	34.8	30.1	28.3	26.3	25.1	31.3	40.1	21.7
4	24.5	23.5	22.7	21.4	20.7	20.0	23.1	29.5	33.2	35.5	37.1	38.6	39.8	40.6	41.0	40.9	40.3	39.7	38.5	36.0	30.6	27.8	26.4	25.3	31.5	41.0	20.0
5	24.1	24.2	22.5	21.9	21.5	20.9	24.0	29.3	33.5	36.1	37.5	38.4	39.8	40.6	41.3	41.4	40.7	40.2	39.0	36.7	32.7	30.9	27.9	27.4	32.2	41.4	20.9
6	27.0	27.4	29.1	29.7	26.9	26.4	27.7	30.5	32.4	34.0	34.6	34.1	33.7	33.6	34.5	35.2	36.7	37.0	36.2	32.4	32.2	30.2	28.6	26.4	31.5	37.0	26.4
7	26.2	25.9	29.1	30.3	30.3	29.0	28.1	29.9	31.9	33.1	34.2	34.8	36.2	37.0	33.4	31.9	31.9	31.9	30.2	27.6	26.2	25.6	24.5	24.5	30.2	37.0	24.5
8	24.4	25.4	25.5	25.3	25.4	24.7	24.6	26.3	28.9	30.8	32.0	32.8	34.5	35.0	35.9	36.2	36.2	35.6	34.4	32.4	29.3	28.1	27.9	26.4	29.9	36.2	24.4
9	26.0	25.1	25.0	24.2	24.1	23.0	24.7	29.7	31.8	33.4	34.8	36.2	37.2	38.0	38.4	38.7	38.4	37.7	36.6	35.1	33.4	31.7	29.8	29.4	31.8	38.7	23.0
10	28.5	27.9	27.9	26.9	27.5	27.1	27.6	28.4	29.6	30.9	33.2	33.7	34.6	36.4	37.3	38.3	38.2	38.1	36.5	34.5	33.0	32.2	31.6	32.0	32.2	38.3	26.9
11	31.3	29.6	28.6	28.4	27.3	25.7	27.7	30.4	31.4	27.2	27.4	28.1	31.9	34.5	35.8	36.3	36.7	36.6	35.1	33.4	24.6	24.2	23.4	25.6	30.0	36.7	23.4
12	26.2	26.3	26.5	26.9	26.9	27.1	27.3	29.1	30.8	32.6	34.3	35.5	36.5	36.0	37.4	38.7	39.1	38.5	34.6	32.0	30.0	29.2	28.1	26.6	31.5	39.1	26.2
13	25.5	24.8	24.7	25.2	24.9	24.5	25.9	32.0	35.9	38.0	39.7	41.0	41.4	41.9	42.0	42.0	41.9	41.3	40.1	36.3	32.5	30.9	30.2	30.6	33.9	42.0	24.5
14	29.7	29.2	28.7	28.7	28.9	29.2	29.1	33.5	35.8	37.7	39.6	41.3	42.7	43.3	42.1	41.8	40.8	37.1	35.3	35.7	34.9	32.6	31.4	30.1	35.0	43.3	28.7
15	29.5	28.6	27.9	27.5	27.2	27.1	27.8	33.0	36.4	38.2	39.1	40.3	40.6	41.2	42.4	43.1	42.8	42.1	40.7	37.6	32.9	31.7	32.4	30.8	35.0	43.1	27.1
16	29.2	27.5	27.2	27.5	27.8	30.8	30.6	31.7	33.0	34.1	35.9	38.2	39.1	39.8	40.8	40.9	40.6	40.0	38.7	37.0	33.7	31.6	30.3	29.5	34.0	40.9	27.2
17	29.9	32.7	32.0	31.3	31.1	29.6	25.4	27.2	30.5	31.9	32.9	34.7	36.1	37.8	38.9	38.8	38.5	37.9	36.9	35.7	34.7	34.2	33.6	32.3	33.5	38.9	25.4
18	30.7	29.6	28.6	26.1	25.1	24.0	25.0	28.7	30.5	31.8	33.3	34.6	35.6	37.0	37.6	38.0	37.9	37.2	35.9	34.5	32.4	29.4	27.6	26.5	31.6	38.0	24.0
19	25.9	25.4	23.8	23.4	21.8	21.3	22.4	27.4	30.2	31.9	33.4	35.0	36.1	37.0	37.9	38.2	37.9	36.8	35.6	32.3	28.7	27.6	26.9	25.4	30.1	38.2	21.3
20	24.2	24.1	24.2	22.4	22.0	21.8	23.6	28.6	31.1	32.4	34.0	35.4	36.4	37.2	37.7	38.1	38.1	37.6	36.3	34.2	32.5	30.9	28.2	26.9	30.7	38.1	21.8
21	26.0	24.9	24.4	24.0	24.2	24.6	25.1	28.3	30.1	30.9	32.5	33.9	35.2	36.6	37.6	37.9	37.4	36.9	35.9	33.8	30.8	29.6	29.1	29.1	30.8	37.9	24.0
22	31.1	30.7	30.8	29.7	29.4	28.8	29.0	30.1	31.0	32.1	33.7	34.2	35.8	36.8	37.2	37.6	37.3	36.8	35.5	33.5	32.6	31.8	28.8	26.7	32.5	37.6	26.7
23	26.2	25.5	24.3	24.0	24.1	23.7	24.6	27.6	30.3	31.4	33.1	34.7	36.5	37.5	38.4	38.4	38.6	36.7	33.8	32.0	29.5	29.3	29.2	27.8	30.7	38.6	23.7
24	27.5	26.8	27.4	26.2	26.3	27.4	27.9	29.5	31.3	33.1	34.4	35.7	37.2	38.4	39.0	38.9	38.3	37.4	36.2	35.2	33.0	31.7	32.6	32.8	32.7	39.0	26.2
25	31.9	30.4	29.2	28.1	27.8	27.4	27.6	28.5	29.3	31.4	33.9	34.8	34.8	34.7	36.3	37.1	27.0	24.9	25.6	26.4	26.8	26.5	26.0	26.3	29.7	37.1	24.9
26	26.3	26.6	26.5	26.2	25.2	24.1	25.0	27.5	30.2	31.8	33.7	35.2	36.0	36.0	36.3	37.9	38.1	37.7	35.9	33.0	31.4	30.2	29.3	28.0	31.2	38.1	24.1
27	26.4	25.2	25.6	25.3	25.2	25.1	25.6	29.7	32.6	34.8	36.1	37.5	38.0	38.3	38.7	33.4	30.0	30.6	29.8	29.3	28.6	27.4	26.9	27.3	30.3	38.7	25.1
28	25.4	23.9	24.2	24.1	23.5	23.4	23.2	27.1	30.1	32.6	34.6	36.8	38.6	39.7	39.2	39.6	39.0	38.1	36.6	34.2	31.2	29.9	27.7	27.1	31.2	39.7	23.2
29	26.9	26.0	25.8	24.7	23.5	22.5	23.4	29.9	33.7	35.9	37.4	38.3	39.7	39.7	38.9	36.3	37.5	36.4	31.3	30.6	29.7	28.6	27.8	27.8	31.3	39.7	22.5
30	27.7	26.2	25.2	24.9	24.5	24.7	25.8	30.0	32.9	34.6	36.1	37.2	37.9	38.8	38.7	38.9	38.7	38.0	36.2	34.3	33.7	32.0	30.8	29.7	32.4	38.9	24.5
31	28.4	28.2	28.2	28.2	27.0	25.8	26.1	28.6	31.3	33.5	35.1	36.4	36.9	37.4	37.8	37.7	37.4	36.9	35.5	32.4	29.3	25.9	21.4	22.2	31.2	37.8	21.4
Avg	27.3	26.8	26.5	26.0	25.6	25.2	25.9	29.3	31.8	33.3	34.8	36.0	37.1	37.9	38.3	38.3	37.8	37.1	35.6	33.6	31.1	29.7	28.4	27.8	31.7	--	--
Max	31.9	32.7	32.0	31.3	31.1	30.8	30.6	33.5	36.4	38.2	39.7	41.3	42.7	43.3	42.4	43.1	42.8	42.1	40.7	37.6	34.9	34.2	33.6	32.8	--	43.3	--
Min	24.1	23.5	22.5	21.4	20.7	20.0	22.4	26.3	28.9	27.2	27.4	28.1	31.9	33.6	33.4	31.9	27.0	24.9	25.6	26.4	24.6	24.2	21.4	22.2	--	--	20.0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Temp_2m_C"
Month: Sep 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	22.5	23.0	23.6	22.9	22.2	22.4	23.0	24.4	26.8	28.8	30.5	31.8	32.9	34.1	34.7	35.2	35.0	34.4	32.3	28.9	27.9	27.3	26.9	28.1	28.3	35.2	22.2
2	26.6	24.6	24.7	24.4	24.2	23.9	23.9	25.9	28.3	31.2	32.5	33.4	34.3	35.7	35.7	35.4	34.9	33.6	32.7	29.2	28.3	28.4	27.8	28.8	29.5	35.7	23.9
3	28.5	28.5	27.2	25.2	23.7	22.7	23.5	27.5	30.0	31.5	33.0	34.2	33.1	31.8	31.0	29.7	29.9	25.8	24.8	23.9	23.0	23.0	22.0	22.2	27.3	34.2	22.0
4	21.3	20.6	20.5	19.2	18.6	18.6	18.8	22.5	26.2	28.3	30.0	31.0	32.5	32.4	32.4	31.7	31.2	29.8	28.1	27.9	26.6	26.3	26.2	25.7	26.1	32.5	18.6
5	23.7	23.7	23.0	23.3	23.7	23.6	23.5	25.1	27.0	27.0	26.7	26.2	27.1	29.6	30.9	31.5	30.9	30.5	29.1	28.1	27.4	26.5	25.3	24.2	26.6	31.5	23.0
6	24.0	23.0	21.7	20.7	21.6	22.1	22.1	26.1	30.0	31.8	33.1	34.0	35.2	36.1	36.6	36.9	36.3	35.2	33.4	32.0	29.0	27.5	25.7	25.6	29.2	36.9	20.7
7	25.2	24.7	24.1	22.7	21.9	22.9	24.1	26.8	29.3	32.5	32.6	33.7	36.1	36.9	35.4	36.4	36.5	35.4	34.0	32.6	31.2	30.9	29.9	30.5	30.3	36.9	21.9
8	29.4	28.1	27.6	27.2	27.0	26.6	25.8	26.6	29.4	32.6	34.5	34.8	36.1	34.9	35.3	35.1	35.3	34.7	33.0	31.0	28.6	29.7	29.7	28.6	30.9	36.1	25.8
9	26.7	24.8	23.8	23.7	22.9	23.8	23.6	25.4	27.5	29.0	31.1	32.7	32.7	32.6	32.2	32.2	31.9	31.4	30.7	30.2	29.8	29.1	28.3	27.1	28.5	32.7	22.9
10	26.5	26.1	27.4	27.2	26.2	25.7	25.3	26.3	27.6	29.1	30.1	30.2	30.4	29.5	29.2	28.7	28.2	27.6	26.8	26.0	24.5	23.6	22.6	22.1	27.0	30.4	22.1
11	21.1	20.3	20.5	20.0	19.3	18.8	19.3	23.4	27.1	29.3	31.1	32.5	33.8	34.8	35.1	35.4	35.1	34.3	32.6	29.1	27.3	26.4	24.7	23.9	27.3	35.4	18.8
12	23.6	23.5	22.6	21.8	21.1	20.9	21.7	26.2	30.5	33.2	34.7	36.9	37.6	38.4	39.4	36.8	32.9	32.5	32.6	31.4	30.2	28.5	26.6	26.0	29.6	39.4	20.9
13	25.2	24.5	24.0	23.4	22.3	22.1	22.1	26.3	31.6	33.3	34.4	35.8	37.1	37.4	37.6	37.6	37.0	36.2	33.2	30.4	28.3	27.1	26.4	25.9	30.0	37.6	22.1
14	24.5	23.6	23.4	22.8	22.6	21.1	20.6	24.0	26.1	29.0	31.1	32.7	33.3	33.9	33.9	34.4	34.0	32.6	30.8	29.8	29.9	29.2	28.3	27.4	28.3	34.4	20.6
15	26.6	25.1	24.3	24.5	25.6	24.5	24.8	25.9	26.8	29.0	29.9	30.3	32.3	33.0	33.0	33.9	33.2	32.1	30.9	29.7	28.7	27.9	27.4	26.6	28.6	33.9	24.3
16	26.1	24.9	21.8	20.9	19.4	18.5	19.6	23.9	27.1	28.9	30.3	31.6	31.9	33.3	33.9	33.1	33.3	32.2	31.0	29.9	28.5	27.9	24.4	22.9	27.3	33.9	18.5
17	22.5	20.1	19.4	19.0	18.0	17.6	18.2	23.2	27.4	29.8	31.6	32.8	33.5	34.3	34.6	34.5	33.9	33.1	30.9	27.3	24.8	23.9	22.5	21.8	26.4	34.6	17.6
18	20.6	20.3	19.8	18.7	18.0	17.9	18.5	23.6	29.1	31.7	32.9	34.1	35.1	35.2	36.1	35.9	34.6	33.1	31.5	28.1	26.0	24.4	23.4	22.2	27.1	36.1	17.9
19	21.5	21.0	20.9	21.1	20.7	19.9	21.1	23.3	29.7	31.8	33.7	35.6	36.0	36.7	36.7	36.8	35.0	32.7	30.8	29.4	28.6	28.0	27.9	27.3	28.6	36.8	19.9
20	26.7	26.3	23.5	23.7	23.6	23.3	23.1	26.6	28.9	30.8	32.5	33.7	35.4	36.6	37.5	37.6	36.8	35.5	33.3	29.6	27.3	26.9	25.6	27.4	29.7	37.6	23.1
21	27.9	25.6	24.4	24.4	23.7	23.8	24.3	25.5	26.4	26.9	25.8	24.9	26.5	25.1	23.7	22.2	22.3	22.3	21.9	22.1	19.9	19.6	19.5	19.0	23.7	27.9	19.0
22	19.1	19.8	19.9	19.9	20.0	19.8	19.6	20.4	22.0	23.8	24.3	25.0	25.5	27.6	28.6	29.5	29.7	28.3	26.5	25.4	24.3	23.3	22.9	21.6	23.6	29.7	19.1
23	20.4	20.2	19.6	19.4	18.9	18.8	18.6	22.3	25.8	28.2	29.8	30.4	31.2	32.5	33.0	33.3	32.7	31.5	29.3	26.0	24.7	23.8	22.8	22.3	25.7	33.3	18.6
24	21.3	21.0	20.4	19.7	19.3	18.8	18.0	23.5	28.2	31.4	34.0	35.4	36.3	37.0	37.4	37.6	37.9	36.9	32.2	27.2	24.9	24.8	24.2	24.4	28.0	37.9	18.0
25	22.9	21.7	21.2	25.6	27.3	26.0	22.0	27.9	30.3	31.8	33.1	33.9	34.9	35.7	35.9	35.9	35.4	34.3	32.6	31.5	30.5	29.4	25.1	24.6	29.6	35.9	21.2
26	22.6	20.9	19.9	19.8	21.3	20.2	20.5	26.5	30.7	32.6	33.8	34.9	35.8	36.1	36.6	36.7	36.2	35.2	31.5	27.2	24.2	22.3	21.7	21.8	27.9	36.7	19.8
27	21.5	20.9	20.5	20.8	19.8	20.6	22.2	25.8	31.3	33.7	35.3	36.2	36.6	37.3	37.4	37.5	36.7	35.3	32.0	27.5	25.9	23.9	22.9	22.7	28.5	37.5	19.8
28	22.9	21.7	20.4	21.0	20.2	18.9	18.9	23.4	28.6	31.6	33.2	34.3	35.5	36.2	36.3	35.3	34.5	33.9	30.0	25.5	25.5	22.9	22.9	22.5	27.3	36.3	18.9
29	21.4	20.9	19.8	18.7	18.8	18.0	17.4	22.7	28.1	31.6	33.3	34.7	36.0	36.4	36.9	37.1	36.6	35.2	32.4	28.1	26.4	24.5	23.0	22.2	27.5	37.1	17.4
30	22.4	21.7	20.4	18.7	18.8	18.2	17.2	23.2	30.1	33.3	35.6	36.6	38.1	38.6	38.7	38.4	37.6	36.2	30.1	26.3	25.0	24.6	23.7	21.6	28.1	38.7	17.2
Avg	23.8	23.0	22.4	22.0	21.7	21.3	21.4	24.8	28.3	30.5	31.8	32.8	33.8	34.3	34.5	34.4	33.8	32.7	30.7	28.4	26.9	26.1	25.0	24.6	27.9	--	--
Max	29.4	28.5	27.6	27.2	27.3	26.6	25.8	27.9	31.6	33.7	35.6	36.9	38.1	38.6	39.4	38.4	37.9	36.9	34.0	32.6	31.2	30.9	29.9	30.5	--	39.4	--
Min	19.1	19.8	19.4	18.7	18.0	17.6	17.2	20.4	22.0	23.8	24.3	24.9	25.5	25.1	23.7	22.2	22.3	22.3	21.9	22.1	19.9	19.6	19.5	19.0	--	--	17.2

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Jul 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	14	99	316	556	651	790	935	964	932	848	707	446	167	64	10	0	0	0	0	312	964	0
2	0	0	0	0	0	11	147	349	552	729	860	939	970	940	851	713	542	345	143	11	0	0	0	0	338	970	0
3	0	0	1	0	0	1	18	62	168	299	377	363	495	542	775	533	542	342	143	8	0	0	0	0	195	775	0
4	0	0	0	0	0	14	65	246	284	567	434	964	922	928	697	501	192	54	17	4	0	0	0	0	245	964	0
5	0	0	0	0	0	2	40	157	162	79	127	320	405	914	336	78	84	77	53	12	0	0	0	0	119	914	0
6	0	0	0	0	0	6	120	345	538	720	857	949	971	913	807	760	611	155	50	9	0	0	0	0	325	971	0
7	0	0	0	0	0	13	148	342	544	724	859	941	934	968	633	611	514	357	148	13	0	0	0	0	323	968	0
8	0	0	0	0	0	11	152	309	468	729	868	957	869	928	869	645	572	212	120	18	0	0	0	0	322	957	0
9	0	0	0	0	0	6	83	209	336	564	555	473	888	620	871	574	554	340	127	10	0	0	0	0	259	888	0
10	0	0	0	0	0	9	153	352	557	738	877	953	996	955	827	620	513	351	111	5	0	0	0	0	334	996	0
11	0	0	0	0	0	9	128	229	518	763	564	684	869	898	853	719	551	349	149	12	0	0	0	0	304	898	0
12	0	0	0	0	0	10	128	276	450	565	599	931	975	852	696	736	559	339	108	11	0	0	0	0	301	975	0
13	0	0	0	0	0	6	79	227	567	717	880	915	955	896	831	697	549	274	83	13	0	0	0	0	320	955	0
14	0	0	0	0	0	5	71	214	333	--	--	--	977	967	874	733	408	143	58	6	0	0	0	0	228	977	0
15	0	0	0	0	0	6	70	248	320	660	852	932	969	941	856	713	538	334	132	12	0	0	0	0	316	969	0
16	0	0	0	0	0	8	128	322	529	713	845	935	973	946	861	719	546	346	142	17	0	0	0	0	335	973	0
17	0	0	0	0	0	4	70	108	158	210	244	466	290	270	512	517	388	76	31	2	0	0	0	0	139	517	0
18	0	0	0	0	0	4	76	228	299	408	499	923	1003	934	756	271	89	79	45	2	0	0	0	0	234	1003	0
19	0	0	0	0	0	9	74	157	392	708	829	947	1040	745	693	755	539	337	104	10	0	0	0	0	306	1040	0
20	0	0	0	0	0	6	138	336	537	670	771	909	958	966	864	712	540	309	132	9	0	0	0	0	327	966	0
21	0	0	0	0	0	5	130	328	537	724	863	915	1002	974	870	704	527	343	137	8	0	0	0	0	336	1002	0
22	0	0	0	0	0	4	128	266	495	725	865	949	984	950	821	730	549	340	136	9	0	0	0	0	331	984	0
23	0	0	0	0	0	7	80	248	326	694	819	515	402	338	427	502	341	200	67	9	0	0	0	0	207	819	0
24	0	0	0	0	0	2	37	167	339	579	537	784	973	946	855	685	533	331	132	9	0	0	0	0	288	973	0
25	0	0	0	0	0	3	46	158	283	785	929	879	792	916	460	237	243	112	85	6	0	0	0	0	247	929	0
26	0	0	0	0	0	5	73	268	478	730	838	824	885	878	847	691	503	265	90	9	0	0	0	0	308	885	0
27	0	0	0	0	0	3	106	307	516	710	863	933	968	933	845	701	522	325	127	7	0	0	0	0	328	968	0
28	0	0	0	0	0	1	30	125	303	612	847	871	957	935	838	682	583	276	43	3	0	0	0	0	296	957	0
29	0	0	0	0	0	2	39	178	295	515	908	968	963	930	835	735	476	274	30	0	0	0	0	0	298	968	0
30	0	0	0	0	0	4	76	268	518	704	838	926	967	821	390	631	428	267	142	6	0	0	0	0	291	967	0
31	0	0	0	0	0	4	89	182	428	689	748	907	965	643	186	41	65	7	15	2	0	0	0	0	207	965	0
Avg	0	0	0	0	0	6	91	243	412	623	725	830	880	849	732	602	453	249	96	8	0	0	0	0	281	--	--
Max	0	0	1	0	0	14	153	352	567	785	929	968	1040	974	874	760	611	357	149	18	0	0	0	0	--	1040	--
Min	0	0	0	0	0	1	18	62	158	79	127	320	290	270	186	41	65	7	15	0	0	0	0	0	--	--	0

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Aug 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	95	304	503	688	820	903	924	902	746	726	548	326	119	19	0	0	0	0	318	924	0
2	0	0	0	0	0	1	84	309	517	698	835	933	952	874	821	708	525	317	115	4	0	0	0	0	320	952	0
3	0	0	0	0	0	2	110	308	517	703	844	930	968	947	785	711	530	319	113	3	0	0	0	0	325	968	0
4	0	0	0	0	0	2	109	309	517	707	848	932	969	939	852	701	523	309	113	3	0	0	0	0	326	969	0
5	0	0	0	0	0	2	103	293	499	700	843	906	955	928	884	711	492	349	144	6	0	0	0	0	326	955	0
6	0	0	0	0	0	2	72	163	409	513	465	348	179	268	467	335	513	300	93	0	0	0	0	0	172	513	0
7	0	0	0	0	0	1	41	241	518	705	829	557	841	867	362	427	234	85	3	0	0	0	0	0	238	867	0
8	0	0	0	0	0	1	37	230	501	695	691	888	964	864	839	683	506	290	81	3	0	0	0	0	303	964	0
9	0	0	0	0	0	2	90	283	492	679	820	910	950	916	828	684	479	296	98	2	0	0	0	0	314	950	0
10	0	0	0	0	0	1	45	105	231	445	674	600	633	823	846	715	582	412	106	1	0	0	0	0	259	846	0
11	0	0	0	0	0	1	50	155	175	40	34	198	471	543	550	297	393	314	116	13	2	1	0	1	140	550	0
12	0	0	0	0	0	1	88	325	389	492	543	692	752	322	800	666	442	190	21	0	0	0	0	0	238	800	0
13	0	0	0	0	0	1	92	293	508	694	835	923	955	936	837	649	471	284	83	1	0	0	0	0	315	955	0
14	0	0	0	0	0	1	83	272	481	667	807	895	935	919	414	548	299	113	35	0	0	0	0	0	270	935	0
15	0	0	0	0	0	1	83	275	482	670	725	944	724	808	812	662	478	272	78	0	0	0	0	0	292	944	0
16	0	0	0	0	0	0	75	268	476	662	799	890	921	890	803	659	472	249	71	7	0	0	0	0	302	921	0
17	0	0	0	0	0	0	31	179	477	666	797	884	919	891	802	651	469	261	74	0	0	0	0	0	296	919	0
18	0	0	0	0	0	1	76	260	476	665	804	881	917	880	820	659	473	264	72	0	0	0	0	0	302	917	0
19	0	0	0	0	0	0	74	268	480	672	811	901	933	904	816	668	478	215	68	0	0	0	0	0	304	933	0
20	0	0	0	0	0	0	73	259	469	655	790	879	909	882	789	638	437	242	59	0	0	0	0	0	295	909	0
21	0	0	0	0	0	0	40	124	268	321	629	749	836	896	825	622	354	215	61	0	0	0	0	0	247	896	0
22	0	0	0	0	0	0	74	262	437	624	798	727	881	907	748	657	463	251	62	0	0	0	0	0	287	907	0
23	0	0	0	0	0	0	51	188	280	394	637	751	904	869	784	643	482	268	95	0	0	0	0	0	264	904	0
24	0	0	0	0	0	1	45	228	409	580	762	800	900	856	713	545	271	172	37	0	0	0	0	0	263	900	0
25	0	0	0	0	0	0	14	96	190	405	577	651	515	372	776	609	57	49	18	0	0	0	0	0	180	776	0
26	0	0	0	0	0	0	45	177	473	602	791	870	749	481	280	599	456	299	80	0	0	0	0	0	246	870	0
27	0	0	0	0	0	0	49	255	462	641	783	891	853	871	681	446	249	104	15	0	0	0	0	0	263	891	0
28	0	0	0	0	0	0	63	250	469	655	793	886	911	878	785	630	440	189	38	0	0	0	0	0	291	911	0
29	0	0	0	0	0	0	56	250	464	651	785	873	862	612	344	106	204	54	2	0	0	0	0	0	219	873	0
30	0	0	0	0	0	0	59	252	501	633	773	878	907	871	774	627	437	239	32	0	0	0	0	0	291	907	0
31	0	0	0	0	0	0	22	127	421	642	773	866	906	823	780	610	392	225	41	0	0	0	0	0	276	906	0
Avg	0	0	0	0	0	1	65	236	435	599	733	804	839	798	721	600	424	241	69	2	0	0	0	0	274	--	--
Max	0	0	0	0	0	4	110	325	518	707	848	944	969	947	884	726	582	412	144	19	2	1	0	1	--	969	--
Min	0	0	0	0	0	0	14	96	175	40	34	198	179	268	280	106	57	49	2	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, SR_wm2"
Month: Sep 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	0	0	0	0	30	159	407	621	748	849	915	854	755	604	417	210	22	0	0	0	0	0	275	915	0
2	0	0	0	0	0	0	33	134	370	609	727	866	788	889	762	631	350	111	31	0	0	0	0	0	262	889	0
3	0	0	0	0	0	0	51	208	445	637	730	884	332	89	181	115	39	18	9	0	0	0	0	0	156	884	0
4	0	0	0	0	0	0	22	185	435	639	789	893	949	607	415	300	179	68	11	0	0	0	0	0	229	949	0
5	0	0	0	0	0	0	17	111	155	141	201	212	301	806	575	530	305	178	9	0	0	0	0	0	148	806	0
6	0	0	0	0	0	0	51	245	457	643	780	868	894	901	778	622	403	169	15	0	0	0	0	0	284	901	0
7	0	0	0	0	0	0	63	112	321	592	363	767	788	702	371	538	398	136	17	0	0	0	0	0	215	788	0
8	0	0	0	0	0	0	8	61	162	444	454	495	739	453	672	451	355	194	18	0	0	0	0	0	188	739	0
9	0	0	0	0	0	0	14	63	228	454	681	613	466	469	303	279	181	89	10	0	0	0	0	0	160	681	0
10	0	0	0	0	0	0	6	66	127	176	247	153	362	366	451	320	178	82	8	0	0	0	0	0	106	451	0
11	0	0	0	0	0	0	41	217	433	622	761	850	865	823	728	569	371	166	16	0	0	0	0	0	269	865	0
12	0	0	0	0	0	0	40	221	426	618	751	838	861	837	814	205	37	35	8	0	0	0	0	0	237	861	0
13	0	0	0	0	0	0	28	208	425	619	739	822	843	822	723	564	374	167	10	0	0	0	0	0	264	843	0
14	0	0	0	0	0	0	36	223	435	617	756	845	872	760	708	544	356	85	3	0	0	0	0	0	260	872	0
15	0	0	0	0	0	0	33	141	241	517	573	527	732	721	616	574	306	71	5	0	0	0	0	0	211	732	0
16	0	0	0	0	0	0	36	225	402	540	755	806	772	770	690	445	359	102	15	0	0	0	0	0	246	806	0
17	0	0	0	0	0	0	35	224	436	625	762	852	873	830	729	563	359	145	9	0	0	0	0	0	268	873	0
18	0	0	0	0	0	0	37	232	439	630	766	849	837	769	732	581	229	89	10	0	0	0	0	0	258	849	0
19	0	0	0	0	0	0	33	134	508	317	779	865	797	804	709	510	158	28	2	0	0	0	0	0	235	865	0
20	0	0	0	0	0	0	30	211	425	613	747	829	852	804	695	552	341	106	7	0	0	0	0	0	259	852	0
21	0	0	0	0	0	0	13	78	128	71	126	201	274	183	159	133	81	23	1	0	0	0	0	0	61	274	0
22	0	0	0	0	0	0	9	107	236	505	315	360	256	632	548	542	347	88	2	0	0	0	0	0	164	632	0
23	0	0	0	0	0	0	27	205	411	598	725	728	686	802	688	523	317	116	4	0	0	0	0	0	243	802	0
24	0	0	0	0	0	0	26	203	415	606	741	822	834	807	690	518	317	112	2	0	0	0	0	0	254	834	0
25	0	0	0	0	0	0	25	209	427	616	751	836	848	802	694	527	320	114	2	0	0	0	0	0	257	848	0
26	0	0	0	0	0	0	24	201	421	611	748	830	840	791	681	514	308	104	1	0	0	0	0	0	253	840	0
27	0	0	0	0	0	0	26	203	398	582	735	789	816	790	642	511	306	102	1	0	0	0	0	0	246	816	0
28	0	0	0	0	0	0	16	193	403	569	698	808	798	699	574	285	157	85	1	0	0	0	0	0	220	808	0
29	0	0	0	0	0	0	22	189	395	582	719	802	814	769	661	494	287	90	1	0	0	0	0	0	243	814	0
30	0	0	0	0	0	0	21	196	386	581	718	794	814	776	664	489	274	91	0	0	0	0	0	0	242	814	0
Avg	0	0	0	0	0	0	28	172	363	533	646	722	727	704	613	468	280	106	8	0	0	0	0	0	224	--	--
Max	1	1	0	0	0	0	63	245	508	643	789	893	949	901	814	631	417	210	31	0	0	0	0	0	--	949	--
Min	0	0	0	0	0	0	6	61	127	71	126	153	256	89	159	115	37	18	0	0	0	0	0	0	--	--	0

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Jul 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	49	59	61	67	71	72	63	52	46	42	39	35	33	31	29	27	27	28	29	32	36	39	41	42	44	72	27
2	45	53	54	56	62	62	52	40	35	32	29	28	26	25	24	23	23	23	23	24	25	27	30	46	36	62	23
3	77	74	80	84	84	87	80	76	70	56	46	40	39	37	34	31	28	29	30	35	48	62	67	73	57	87	28
4	54	47	57	63	72	80	73	59	43	35	32	27	28	28	26	25	25	24	28	31	35	39	39	42	42	80	24
5	41	44	57	57	59	48	59	48	41	43	67	68	48	36	34	61	60	59	58	60	65	67	65	69	55	69	34
6	74	80	82	80	83	85	74	59	49	44	40	36	35	33	31	27	25	25	25	29	37	43	51	58	50	85	25
7	62	66	69	71	70	73	60	46	42	34	30	29	27	25	23	21	19	17	19	23	31	37	40	43	41	73	17
8	44	48	54	58	60	62	45	30	23	21	22	23	22	21	18	16	16	19	20	21	25	27	27	26	31	62	16
9	24	25	35	43	45	46	45	39	37	31	27	27	26	26	24	23	23	23	25	27	21	22	23	24	30	46	21
10	33	36	39	46	47	52	41	32	36	30	25	23	22	21	20	22	20	19	22	26	28	31	32	33	31	52	19
11	35	43	46	47	52	52	44	40	37	34	34	31	29	27	26	25	24	20	19	21	26	33	27	22	33	52	19
12	24	35	37	41	40	43	34	26	20	22	21	20	18	17	17	17	17	18	18	24	30	31	33	36	27	43	17
13	37	39	40	42	41	40	36	32	28	25	24	22	21	20	19	18	18	19	21	28	34	37	36	37	30	42	18
14	39	40	39	41	45	44	44	38	33	--	--	--	22	20	19	18	19	20	21	23	25	29	39	58	32	58	18
15	57	55	52	51	50	51	53	40	35	32	33	31	28	25	23	22	21	21	23	27	33	35	34	34	36	57	21
16	35	37	39	40	45	51	44	34	27	25	23	22	21	19	18	18	17	17	16	18	21	25	33	40	29	51	16
17	44	45	47	48	49	52	50	41	43	43	46	43	41	38	35	30	27	26	30	33	39	39	44	47	41	52	26
18	51	54	55	54	53	60	56	48	42	38	36	33	29	27	26	28	43	52	51	51	87	91	91	93	52	93	26
19	92	92	93	94	95	94	90	86	74	59	55	50	43	40	37	35	35	35	36	40	46	51	55	63	62	95	35
20	76	76	76	76	80	83	67	52	48	44	40	36	34	30	29	28	26	27	28	32	38	46	53	57	49	83	26
21	59	61	59	61	64	66	57	42	37	34	30	28	24	22	19	19	20	20	22	25	36	39	42	40	39	66	19
22	41	45	45	47	56	57	46	32	22	22	20	17	16	17	17	17	17	17	19	24	31	34	32	35	30	57	16
23	33	28	33	35	43	47	46	38	38	35	32	30	29	29	24	22	22	24	24	22	21	49	57	58	34	58	21
24	56	60	64	66	65	63	62	57	53	47	42	36	31	28	25	24	23	22	21	22	22	29	33	36	41	66	21
25	38	42	43	45	41	44	46	37	29	22	19	16	15	14	14	15	14	12	12	12	13	18	18	25	25	46	12
26	25	28	30	32	33	35	31	22	14	11	11	10	10	9	8	8	8	9	10	11	14	19	21	23	18	35	8
27	28	30	33	35	36	37	38	31	33	30	26	22	20	18	18	17	16	18	19	21	27	31	32	31	27	38	16
28	34	33	37	36	37	40	43	41	38	33	31	28	25	22	21	20	19	20	22	23	34	46	47	49	32	49	19
29	49	54	56	54	58	62	59	47	39	35	30	31	30	29	29	29	29	32	56	83	82	63	58	58	48	83	29
30	59	66	69	66	65	69	57	49	45	41	36	33	30	28	26	24	23	22	21	25	31	42	50	55	43	69	21
31	57	58	59	60	58	65	59	43	32	29	29	28	26	26	39	54	57	59	80	75	86	86	84	75	55	86	26
Avg	48	50	53	55	57	59	53	44	38	34	32	30	27	25	24	25	25	25	27	31	36	41	43	46	39	--	--
Max	92	92	93	94	95	94	90	86	74	59	67	68	48	40	39	61	60	59	80	83	87	91	91	93	--	95	--
Min	24	25	30	32	33	35	31	22	14	11	11	10	10	9	8	8	8	9	10	11	13	18	18	22	--	--	8

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Aug 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	62	65	68	72	70	73	69	53	43	34	31	29	28	27	26	25	26	26	31	32	35	38	44	44	44	73	25
2	45	47	49	52	51	51	49	40	37	32	28	24	23	20	18	18	18	18	19	21	27	32	37	42	33	52	18
3	46	48	50	55	53	54	50	36	26	23	21	20	17	16	14	13	12	12	14	16	21	26	31	34	30	55	12
4	35	38	41	46	48	51	43	31	22	19	17	16	14	13	13	14	14	13	12	14	21	27	30	31	26	51	12
5	35	35	40	42	42	45	38	28	20	17	15	14	12	11	10	10	10	11	12	14	18	21	26	27	23	45	10
6	30	30	35	43	48	50	47	37	33	30	29	29	29	30	27	24	20	18	19	25	26	28	33	38	32	50	18
7	40	41	40	41	43	46	48	45	41	38	35	34	30	27	36	38	38	36	44	61	71	77	85	81	47	85	27
8	79	68	67	65	64	67	66	59	49	42	39	37	32	30	28	28	27	27	28	33	40	44	44	49	46	79	27
9	51	55	55	58	59	63	58	43	35	31	28	27	24	23	21	21	20	21	22	24	30	35	38	39	37	63	20
10	47	47	44	45	45	48	46	44	41	36	30	29	28	25	23	21	21	21	24	29	34	36	37	35	35	48	21
11	36	39	41	43	47	53	49	41	39	53	46	45	31	23	21	22	21	23	25	30	73	78	82	64	43	82	21
12	58	56	53	50	50	49	48	44	40	35	30	28	25	25	21	19	17	18	28	35	43	46	49	55	39	58	17
13	59	60	59	55	55	57	52	34	23	18	15	13	12	11	11	10	10	11	12	16	22	27	29	29	29	60	10
14	33	36	40	42	42	40	43	30	24	20	18	15	13	12	13	17	16	23	30	26	24	29	34	38	27	43	12
15	39	40	41	45	45	44	42	29	23	20	20	19	19	18	16	14	14	13	14	17	24	26	25	29	27	45	13
16	33	37	38	37	39	35	37	36	33	30	27	24	23	22	21	21	21	20	21	23	30	33	36	38	30	39	20
17	38	36	39	40	39	44	73	64	45	44	42	37	32	27	26	27	26	26	27	27	29	31	33	36	37	73	26
18	37	42	45	52	55	57	51	37	31	29	25	23	21	19	18	18	18	18	20	23	27	32	36	38	32	57	18
19	40	42	47	48	51	52	48	35	27	26	24	22	20	18	18	17	17	18	19	24	30	31	33	36	31	52	17
20	39	40	41	47	49	51	49	40	43	40	35	32	29	26	25	25	25	25	27	30	31	34	40	43	36	51	25
21	45	47	49	50	50	49	50	44	48	50	45	40	36	33	29	25	24	25	26	31	37	40	40	41	40	50	24
22	38	39	42	47	44	46	46	47	46	41	36	35	31	29	28	25	24	24	25	28	32	33	39	44	36	47	24
23	46	47	50	50	49	51	49	41	36	36	33	30	27	26	25	24	22	25	29	31	38	39	36	40	37	51	22
24	44	47	44	46	46	44	43	39	35	31	28	25	22	21	19	19	21	22	23	25	31	33	31	32	32	47	19
25	35	41	45	47	46	48	47	45	43	37	31	30	31	31	27	26	60	75	76	72	69	62	60	54	47	76	26
26	55	53	53	55	60	66	62	52	42	39	34	30	28	28	27	23	21	21	24	32	35	40	38	42	40	66	21
27	49	55	55	56	58	58	55	39	31	25	24	23	23	21	21	35	39	34	35	36	36	40	47	45	39	58	21
28	51	56	58	56	59	57	61	45	33	27	25	22	19	19	20	20	20	21	22	25	29	33	42	45	36	61	19
29	46	47	48	50	53	57	55	37	27	24	22	20	18	18	19	23	21	23	39	40	44	48	51	50	37	57	18
30	49	52	54	54	56	57	50	35	28	25	22	21	19	20	20	17	16	18	22	25	33	37	40	43	34	57	16
31	47	48	49	51	55	58	59	48	38	33	29	26	26	25	24	24	23	23	25	32	42	59	89	85	42	89	23
Avg	45	46	48	50	51	52	51	41	35	32	29	26	24	22	21	21	22	23	26	29	35	39	43	44	36	--	--
Max	79	68	68	72	70	73	73	64	49	53	46	45	36	33	36	38	60	75	76	72	73	78	89	85	--	89	--
Min	30	30	35	37	39	35	37	28	20	17	15	13	12	11	10	10	10	11	12	14	18	21	25	27	--	--	10

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, RH_percent"
Month: Sep 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	76	71	66	73	77	71	67	63	53	46	38	34	31	29	29	28	26	26	30	47	56	60	60	51	50	77	26
2	56	70	68	72	75	76	77	66	50	26	24	23	24	21	19	19	21	25	27	44	47	45	46	45	44	77	19
3	45	40	43	51	58	64	59	43	36	31	26	25	28	30	33	45	38	56	59	62	65	66	70	69	48	70	25
4	72	74	74	80	83	83	81	64	47	41	37	35	30	29	31	34	34	38	41	39	46	50	52	57	52	83	29
5	65	66	69	68	67	66	67	60	52	52	54	56	51	41	35	35	35	38	43	46	48	51	56	60	54	69	35
6	61	64	69	73	68	66	65	51	37	32	28	27	28	25	24	23	23	24	27	32	39	43	48	49	43	73	23
7	52	53	55	60	63	59	54	47	38	31	33	31	26	25	27	24	23	24	26	30	32	32	32	30	38	63	23
8	33	37	38	40	42	43	48	47	37	28	23	25	24	28	28	28	26	27	29	33	39	37	38	45	34	48	23
9	50	55	59	59	63	61	63	57	48	42	38	35	35	37	38	38	39	41	42	43	44	45	47	51	47	63	35
10	54	55	51	52	56	59	64	60	54	46	41	39	43	49	50	50	51	53	54	56	60	64	67	69	54	69	39
11	72	75	75	77	80	82	79	63	49	44	40	38	34	32	30	29	27	28	30	37	41	43	48	51	50	82	27
12	52	53	56	60	63	64	62	46	35	29	27	22	20	18	16	20	27	27	28	28	32	37	42	43	38	64	16
13	44	46	48	50	54	55	55	44	29	29	28	26	23	23	21	20	21	21	27	33	38	43	43	47	36	55	20
14	59	68	74	78	77	79	83	59	50	39	34	30	29	30	31	29	29	33	37	37	39	47	50	53	49	83	29
15	57	63	65	66	69	70	73	68	64	52	47	45	35	32	33	27	27	28	35	42	46	49	51	51	50	73	27
16	50	55	64	68	73	75	72	59	53	44	37	34	32	30	28	30	28	29	31	33	37	40	47	50	46	75	28
17	50	56	57	57	60	61	58	44	34	30	29	27	25	24	22	23	23	24	27	32	37	39	42	44	39	61	22
18	47	48	50	53	56	57	55	42	29	25	23	23	19	18	16	14	16	18	20	24	28	30	32	34	32	57	14
19	36	37	37	38	39	41	37	35	19	16	13	13	13	13	14	14	19	30	35	39	41	43	42	44	29	44	13
20	45	47	53	53	54	55	56	45	39	34	31	28	21	18	16	19	20	23	26	32	36	36	39	45	36	56	16
21	50	56	60	63	64	65	64	62	66	61	63	72	58	65	70	74	70	67	69	68	86	91	92	94	69	94	50
22	95	93	93	94	93	94	94	92	82	70	67	64	63	55	48	45	43	47	54	59	61	66	69	77	72	95	43
23	83	84	86	85	86	85	87	68	52	45	39	37	35	35	33	33	34	34	40	53	60	61	66	69	58	87	33
24	73	74	76	78	79	81	85	58	41	30	22	20	22	21	20	17	15	15	23	36	43	42	42	42	44	85	15
25	46	52	54	38	33	33	42	26	22	25	26	25	22	21	20	19	19	21	24	27	29	30	40	41	31	54	19
26	47	53	57	56	50	54	53	37	28	24	22	19	18	18	17	15	15	15	19	27	34	39	40	38	33	57	15
27	37	39	39	38	42	39	36	30	21	17	16	15	15	14	13	13	13	14	17	24	26	31	33	34	26	42	13
28	35	38	43	42	45	50	50	38	28	27	28	25	22	20	18	20	20	20	25	33	32	38	39	41	32	50	18
29	44	46	49	53	53	55	58	42	31	25	22	21	19	19	18	18	18	19	23	30	32	36	39	42	34	58	18
30	41	43	46	52	51	52	55	40	27	21	19	17	14	11	12	10	10	12	19	23	25	25	27	30	28	55	10
Avg	54	57	59	61	62	63	63	52	42	35	33	31	29	28	27	27	27	29	33	38	43	45	48	50	43	--	--
Max	95	93	93	94	93	94	94	92	82	70	67	72	63	65	70	74	70	67	69	68	86	91	92	94	--	95	--
Min	33	37	37	38	33	33	36	26	19	16	13	13	13	11	12	10	10	12	17	23	25	25	27	30	--	--	10

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, Precip_inch"
Month: Jul 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	0.17	0.04	0	0.2	0.14	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.2	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	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	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	0.01	0.01	0.01	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	0.01	0.21	0.11	0.03	0.09	0.45	0.21	0
19	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
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	0.01	0.04	0	0	0	0	0.05	0.04	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	0.02	0	0.01	0	0	0	0.03	0.02	0
Total	0.17	0.05	0	0.2	0.14	0.04	0	0	0	0	0	0.01	0	0	0	0	0	0	0.03	0.05	0.22	0.11	0.03	0.1	1.15	--	--
Max	0.17	0.04	0	0.2	0.14	0.04	0	0	0	0	0	0.01	0	0	0	0	0	0	0.02	0.04	0.21	0.11	0.03	0.09	--	0.21	--
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: Aug 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	0.03	0.01	0	0.04	0.03	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	0.17	0.02	0.04	0.01	0.24	0.17	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	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	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	0.09	0	0	0	0	0	0	0	0.09	0.09	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	0.19	0.19	0.03	0.41	0.19	0
Total	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0.17	0.24	0.24	0.04	0.79	--	--
Max	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0.17	0.19	0.19	0.03	--	0.19	--
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: Sep 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	0.01	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
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	0.01	0.02	0	0	0.06	0.03	0.01	0	0	0	0.01	0.01	0.05	0.04	0.24	0.06	0
22	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.02	0.01	0	0	0	0	0	0	0	0	0.01	0.02	0	0	0.06	0.03	0.01	0	0	0	0.01	0.01	0.05	0.04	0.27	--	--
Max	0.02	0.01	0	0	0	0	0	0	0	0	0.01	0.02	0	0	0.06	0.03	0.01	0	0	0	0.01	0.01	0.05	0.04	--	0.06	--
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: Jul 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	700	700	700	700	700	700	700	701	701	700	700	700	699	699	698	698	698	698	698	698	699	699	700	700	699	701	698
2	700	700	700	700	700	700	700	700	701	700	700	700	699	699	698	698	697	696	697	697	697	698	698	699	699	701	696
3	699	699	698	699	700	701	701	701	700	700	699	699	699	698	698	697	696	696	696	697	697	697	697	697	698	701	696
4	697	697	697	697	697	697	698	698	698	699	699	699	698	698	698	697	697	697	697	697	698	698	698	698	698	699	697
5	698	698	698	699	699	700	700	700	701	701	701	701	701	700	699	700	700	700	700	700	700	700	701	701	700	701	698
6	701	701	701	701	701	702	702	702	702	702	702	701	701	700	700	699	698	698	698	698	699	699	700	699	700	702	698
7	699	700	699	699	700	700	700	701	701	700	700	699	699	698	698	697	696	696	696	696	696	697	697	697	698	701	696
8	697	697	697	697	697	698	698	698	699	698	698	697	697	696	696	695	695	695	695	695	696	696	697	697	697	699	695
9	697	697	697	697	697	698	698	698	698	699	698	698	698	698	697	696	696	696	696	696	697	697	698	698	697	699	696
10	698	698	698	698	699	699	699	700	700	700	700	699	699	698	698	697	697	696	697	697	697	698	698	699	698	700	696
11	699	699	699	699	699	700	700	700	701	701	701	701	700	700	700	699	699	699	699	699	700	700	700	701	700	701	699
12	701	701	701	701	701	702	702	702	702	702	702	701	701	700	699	699	699	699	699	699	700	700	701	701	700	701	702	699
13	700	700	700	700	700	700	701	701	701	700	700	700	699	698	698	697	697	696	697	697	698	699	699	699	699	701	696
14	699	699	699	699	699	699	699	699	699	--	--	--	698	697	697	696	696	696	696	696	697	698	698	699	698	699	696
15	698	698	698	699	699	699	700	700	701	701	701	701	700	699	699	698	698	697	697	697	698	698	699	699	699	701	697
16	700	700	700	700	700	700	701	701	701	701	700	700	699	699	698	698	697	697	697	697	698	699	699	700	699	701	697
17	699	699	699	699	699	699	700	700	701	701	701	701	701	700	699	698	698	697	697	698	699	699	700	700	699	701	697
18	700	700	700	700	700	701	701	702	702	702	702	701	701	700	700	699	700	700	701	701	702	703	703	703	701	703	699
19	703	702	702	702	703	703	703	703	704	704	704	703	703	702	702	702	701	701	701	701	702	702	702	702	702	704	701
20	702	702	702	702	702	702	702	702	702	702	702	702	701	701	700	699	699	699	699	699	699	699	699	699	701	702	699
21	699	699	699	699	699	699	699	699	699	699	699	699	699	698	697	697	696	696	696	696	697	697	697	697	698	699	696
22	697	698	698	698	698	699	699	699	700	700	699	699	699	698	698	697	697	697	697	697	697	698	699	699	698	700	697
23	699	699	700	700	700	701	701	702	702	702	702	702	701	701	701	700	700	700	700	700	701	702	702	702	701	702	699
24	701	701	701	702	702	702	703	703	703	703	703	702	702	701	701	700	700	699	699	700	700	701	701	700	701	703	699
25	700	700	700	700	700	701	701	701	701	701	701	701	700	700	699	699	698	698	698	698	698	698	698	698	700	701	698
26	698	698	697	698	698	698	699	699	699	699	699	699	699	698	697	697	697	697	697	697	697	697	698	698	698	699	697
27	698	698	698	698	698	699	699	699	699	699	699	699	698	698	698	697	697	696	696	697	697	698	698	698	698	699	696
28	698	698	698	698	699	699	700	700	700	700	700	699	699	698	698	697	697	697	697	698	699	700	701	701	699	701	697
29	701	701	700	700	701	701	701	702	702	702	702	702	702	701	700	700	699	700	702	703	702	702	702	702	701	703	699
30	702	702	702	702	702	702	703	703	703	703	703	703	702	701	701	700	700	699	700	700	701	701	701	701	702	703	699
31	701	701	701	701	701	701	702	702	702	702	702	701	701	700	700	701	701	701	702	703	702	702	701	701	701	703	700
Avg	699	699	699	699	700	700	700	701	701	701	701	700	700	699	699	698	698	698	698	698	699	699	699	700	699	--	--
Max	703	702	702	702	703	703	703	703	704	704	704	703	703	702	702	702	701	701	702	703	702	703	703	703	--	704	--
Min	697	697	697	697	697	697	698	698	698	698	698	697	697	696	696	695	695	695	695	695	696	696	697	697	--	--	695

-- Indicates Invalid Data

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Aug 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	701	700	700	700	700	700	700	701	701	701	700	700	699	699	698	698	697	697	697	697	698	698	698	699	699	701	697
2	699	699	699	698	698	699	699	699	699	699	699	699	698	698	698	697	696	696	696	696	697	697	697	698	698	699	696
3	698	698	698	698	698	698	699	699	699	700	700	699	699	699	698	697	697	697	697	697	697	698	698	698	698	700	697
4	698	698	698	698	699	699	700	700	700	700	700	700	699	699	698	698	698	698	698	698	699	699	699	699	699	700	698
5	699	699	699	699	699	700	700	701	701	701	701	700	700	700	699	698	698	698	697	698	698	698	698	698	699	701	697
6	699	699	699	699	699	700	700	701	701	701	701	701	701	700	699	698	697	697	697	697	698	698	698	698	699	701	697
7	698	698	698	698	698	699	699	700	700	700	699	699	698	698	698	698	697	697	697	698	699	699	699	699	698	700	697
8	699	699	699	699	699	700	700	700	700	700	700	700	699	699	698	698	697	697	697	698	698	699	699	699	699	700	697
9	699	699	699	699	699	700	700	700	700	700	700	700	699	699	698	698	697	697	698	698	699	700	700	700	699	700	697
10	701	700	700	699	700	700	700	701	701	701	700	700	699	699	698	697	697	696	697	697	698	698	699	698	699	701	696
11	698	698	699	699	699	699	700	700	701	702	702	701	700	700	699	699	698	698	698	699	700	702	702	702	700	702	698
12	701	701	701	701	701	702	702	702	702	702	702	702	702	701	701	700	699	699	700	701	701	701	701	701	701	702	699
13	701	701	701	701	701	701	701	701	701	701	701	701	701	700	700	699	698	698	698	699	699	700	700	700	700	701	698
14	700	700	700	700	700	700	701	701	701	701	701	700	700	699	699	698	698	698	698	699	699	700	700	700	700	701	698
15	700	700	700	700	699	700	700	700	700	700	700	700	700	699	698	697	697	697	697	697	697	698	698	698	699	700	697
16	698	698	699	699	700	700	701	701	701	701	700	700	699	699	698	697	697	696	696	697	697	697	697	697	699	701	696
17	697	697	698	699	699	700	701	701	700	700	700	699	699	698	697	697	696	696	696	697	697	698	698	698	698	701	696
18	698	698	699	699	699	699	699	699	699	699	699	699	698	698	697	696	696	696	696	696	696	696	697	697	698	699	696
19	697	697	697	698	698	698	699	699	699	699	699	699	698	698	697	697	696	696	696	696	697	697	697	697	698	699	696
20	697	697	698	698	698	699	699	699	700	699	699	699	698	698	697	697	696	696	696	697	697	698	698	698	698	700	696
21	698	698	698	698	699	699	700	700	700	700	700	700	699	698	698	697	697	696	696	697	697	697	698	698	698	700	696
22	698	698	699	699	699	700	700	700	701	701	701	700	700	699	698	698	698	698	698	698	699	700	700	700	699	701	698
23	700	700	700	700	700	700	701	701	701	702	701	701	700	700	699	698	698	699	699	700	700	701	701	701	700	702	698
24	701	701	701	701	701	701	702	702	702	702	702	701	700	700	699	698	698	698	698	699	699	700	700	700	700	702	698
25	701	701	701	701	701	701	701	702	702	702	702	701	701	700	699	699	700	700	701	701	702	702	702	702	701	702	699
26	701	701	701	701	701	702	702	702	703	703	703	702	702	701	700	700	699	699	700	701	702	702	701	701	701	703	699
27	701	701	702	701	701	702	702	702	702	702	702	702	701	700	700	701	700	700	700	700	701	701	701	701	701	702	700
28	701	701	700	700	700	700	701	701	701	701	700	700	699	699	698	697	697	697	697	698	698	699	698	698	699	701	697
29	699	698	698	699	699	699	700	700	700	700	700	700	699	698	698	698	697	698	698	699	700	700	700	699	699	700	697
30	699	699	699	699	699	699	700	700	700	700	700	700	699	698	698	697	697	696	697	697	698	699	698	698	699	700	696
31	698	698	699	699	699	699	700	700	700	700	700	700	699	698	698	697	697	697	697	698	699	701	702	702	699	702	697
Avg	699	699	699	699	700	700	700	701	701	701	700	700	700	699	698	698	697	697	698	698	699	699	699	699	699	--	--
Max	701	701	702	701	701	702	702	702	703	703	703	702	702	701	701	701	700	700	701	701	702	702	702	702	--	703	--
Min	697	697	697	698	698	698	699	699	699	699	699	699	698	698	697	696	696	696	696	696	696	696	697	697	--	--	696

SAROAD for Resolution, Hewitt_Station
"Component, Channel: Table100, BP_mmHg"
Month: Sep 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	702	701	700	700	700	700	700	700	701	701	701	700	700	699	699	699	698	698	698	699	699	700	700	700	700	702	698
2	701	701	700	700	701	701	701	701	702	701	701	701	700	700	699	699	699	698	698	699	699	699	699	699	700	702	698
3	699	699	699	699	699	699	700	700	700	700	700	699	698	698	698	698	698	699	699	700	699	699	699	699	699	700	698
4	698	698	698	698	698	699	699	699	699	700	699	699	698	698	697	697	697	698	698	698	699	699	699	699	698	700	697
5	699	699	699	699	699	699	699	700	700	701	701	701	700	700	700	699	699	699	699	700	700	700	700	700	700	701	699
6	700	700	700	700	700	701	701	701	701	701	701	701	700	700	699	699	698	698	698	698	699	699	699	699	700	701	698
7	699	699	699	699	699	699	700	700	701	701	701	700	699	699	698	698	697	697	698	698	699	699	699	699	699	701	697
8	699	698	698	698	698	699	699	700	700	700	700	700	699	699	698	698	698	698	698	699	699	699	699	700	699	700	698
9	700	700	700	700	700	700	700	701	701	700	700	699	699	699	698	698	698	698	698	699	699	699	700	700	699	701	698
10	700	700	700	700	700	700	700	701	701	701	701	701	701	701	701	700	700	700	700	700	700	701	700	700	700	701	700
11	700	700	700	700	700	700	701	701	701	701	701	701	700	700	699	699	699	699	699	699	700	700	701	701	700	701	699
12	701	701	701	700	701	701	701	701	701	702	701	701	700	699	698	698	698	698	698	698	699	699	699	699	700	702	698
13	699	699	699	699	699	699	699	699	699	699	699	698	698	697	696	696	695	695	696	698	699	699	699	699	698	699	695
14	699	698	698	698	698	698	698	699	699	699	699	699	698	698	697	697	696	696	696	696	697	698	698	698	698	699	696
15	698	698	698	699	699	699	700	700	700	700	700	700	700	699	699	698	698	698	698	699	699	699	700	700	699	700	698
16	700	700	700	700	700	700	701	701	701	701	701	701	701	700	699	699	699	699	698	698	699	699	699	699	700	701	698
17	699	699	699	699	699	700	700	700	700	700	700	700	699	699	698	698	698	697	697	697	698	698	698	698	699	700	697
18	698	698	698	698	698	698	699	699	699	699	699	699	698	697	697	697	697	697	697	697	697	697	697	697	698	699	697
19	697	697	697	697	697	697	698	698	698	698	698	698	698	697	697	697	697	697	698	698	699	699	699	699	698	699	697
20	699	699	699	699	699	700	700	700	701	701	700	700	699	698	697	697	697	697	697	697	697	697	698	698	699	701	697
21	698	698	698	698	698	698	698	698	698	698	698	698	697	697	697	697	696	696	697	697	698	698	699	699	698	699	696
22	699	699	699	699	699	699	700	701	701	701	701	701	700	700	699	699	698	699	699	699	700	700	700	700	700	701	698
23	700	700	700	700	700	700	700	701	701	701	701	700	700	699	698	698	698	698	698	698	699	699	699	699	699	701	698
24	699	699	699	699	699	699	700	700	700	700	700	700	699	699	698	698	698	698	698	699	699	700	700	700	699	700	698
25	700	700	700	700	700	701	701	702	702	702	702	701	701	700	700	699	699	699	699	699	700	700	700	700	700	702	699
26	700	700	700	700	700	700	701	701	701	701	701	700	700	699	698	698	698	698	698	698	698	698	698	698	699	701	698
27	698	698	698	698	698	698	699	699	699	699	699	699	698	698	697	697	697	697	697	697	698	698	698	698	698	699	697
28	698	698	698	698	698	699	699	699	700	700	700	699	699	698	698	698	697	697	698	698	698	698	698	698	698	700	697
29	698	698	698	698	698	699	699	700	700	700	700	699	699	698	697	697	697	697	697	698	698	698	698	698	698	700	697
30	698	698	698	698	698	699	699	699	700	700	700	699	699	698	698	698	698	698	698	698	698	699	699	699	698	700	698
Avg	699	699	699	699	699	699	700	700	700	700	700	700	699	699	698	698	698	698	698	698	699	699	699	699	699	--	--
Max	702	701	701	700	701	701	701	702	702	702	702	701	701	701	701	700	700	700	700	700	700	701	701	701	--	702	--
Min	697	697	697	697	697	697	698	698	698	698	698	698	697	697	696	696	695	695	696	696	697	697	697	697	--	--	695

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: Jul 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	17.4	10.4	8.1	5.8	6.9	8.0	9.2	12.7	12.7	--	9.3	10.6	15.3	16.6	29.7	32.0	35.6	33.2	31.9	22.4	21.1	19.8	14.0	12.8	17.2	35.6	5.8
2	13.9	13.9	17.4	17.4	15.0	13.8	10.4	11.6	13.9	14.0	14.1	14.2	14.2	15.4	17.8	23.8	25.0	20.3	17.8	20.2	14.2	13.0	14.1	12.8	15.8	25.0	10.4
3	8.1	7.0	10.5	17.4	19.4	9.1	8.0	10.3	9.2	6.9	7.0	8.2	5.9	2.4	2.4	5.9	5.9	7.1	13.0	13.0	10.6	10.6	10.5	8.2	9.0	19.4	2.4
4	5.8	7.0	11.6	9.3	7.0	8.1	10.4	9.4	10.6	11.7	10.6	11.8	14.2	22.6	9.5	8.3	20.1	13.0	13.0	18.8	12.9	11.7	9.3	10.5	11.6	22.6	5.8
5	10.5	11.6	11.6	9.3	10.5	13.9	15.0	12.7	9.3	10.4	12.8	11.6	8.1	8.2	11.7	75.1	6.9	47.3	6.9	5.8	30.1	18.5	21.9	9.2	16.2	75.1	5.8
6	9.2	10.3	6.9	4.6	5.7	9.2	10.3	9.2	8.1	8.1	10.5	10.5	10.6	10.6	13.0	11.8	13.0	15.4	15.3	10.6	10.6	19.8	17.5	15.1	11.1	19.8	4.6
7	11.6	10.4	13.9	11.5	8.1	10.4	19.6	13.9	12.8	12.9	15.3	18.9	17.8	19.0	20.2	17.9	19.1	20.3	15.5	15.4	14.2	10.6	9.4	12.9	14.6	20.3	8.1
8	12.9	14.1	15.2	11.7	17.4	18.5	25.5	8.2	7.0	7.1	11.8	15.4	19.0	10.7	13.1	20.3	22.7	20.3	26.2	28.5	47.3	37.7	27.0	15.2	18.9	47.3	7.0
9	11.7	8.2	8.2	8.1	8.1	10.4	15.1	15.1	14.0	14.0	14.1	12.9	7.1	7.1	17.7	16.6	16.6	18.9	9.4	12.9	12.8	12.8	12.8	12.7	12.4	18.9	7.1
10	9.3	8.1	8.1	8.0	6.9	5.7	11.5	13.9	13.9	15.1	11.7	10.6	10.6	10.6	13.0	14.2	22.5	17.8	18.9	14.1	21.1	15.2	19.9	20.9	13.4	22.5	5.7
11	16.2	19.7	10.4	9.2	9.2	10.3	8.1	7.0	9.3	10.5	11.7	15.2	15.3	13.0	19.0	16.6	20.2	16.6	15.4	11.8	9.4	11.7	14.0	17.5	13.2	20.2	7.0
12	9.3	8.1	8.1	9.2	10.4	10.4	8.1	9.3	9.3	9.4	8.2	7.1	9.5	10.7	13.1	15.5	14.3	14.3	15.4	15.2	11.7	4.7	5.8	12.8	10.4	15.5	4.7
13	15.1	13.9	15.1	13.9	10.4	8.1	10.4	19.9	12.9	9.4	9.5	15.4	13.1	11.9	14.4	14.4	15.6	16.7	20.0	10.5	9.3	7.0	6.9	9.3	12.6	20.0	6.9
14	10.4	10.4	10.4	9.2	9.2	9.2	9.3	11.6	11.7	10.6	8.3	7.1	11.9	14.3	--	--	22.8	10.7	13.1	39.1	34.2	21.2	9.2	11.5	13.9	39.1	7.1
15	10.4	10.4	11.5	9.2	6.9	6.9	9.2	12.7	10.4	11.7	15.2	14.1	20.0	18.9	21.3	15.4	21.4	23.8	15.4	28.4	28.3	24.6	19.9	21.0	16.1	28.4	6.9
16	16.3	20.8	9.2	9.2	8.1	10.3	12.7	11.6	17.5	16.4	24.7	16.5	15.4	22.6	15.5	22.7	23.9	25.1	20.3	19.0	10.6	14.1	17.6	22.1	16.8	25.1	8.1
17	95.2	36.0	47.7	40.6	30.2	35.9	37.1	12.8	13.9	16.2	13.8	9.2	8.1	5.8	7.0	11.7	13.0	12.9	19.9	23.4	17.5	12.8	10.4	24.3	23.1	95.2	5.8
18	17.3	25.4	15.0	15.0	16.1	14.9	12.6	12.7	17.3	16.2	15.1	15.2	12.9	11.8	15.4	16.5	123.0	67.0	26.6	12.7	11.5	8.0	6.9	8.0	21.4	123.0	6.9
19	11.4	10.3	6.9	6.8	5.7	6.8	6.8	5.7	9.2	9.2	8.1	7.0	8.2	7.0	7.0	8.2	8.2	9.4	7.0	7.0	9.3	10.4	11.5	17.3	8.5	17.3	5.7
20	9.2	9.2	8.0	8.0	10.3	33.2	10.3	10.4	10.4	12.8	15.2	15.2	15.3	12.9	13.0	13.0	15.4	14.2	14.1	15.3	14.1	15.2	12.8	10.5	13.2	33.2	8.0
21	11.6	11.6	13.9	12.7	9.3	10.4	13.9	15.1	14.0	15.2	17.7	15.4	14.2	11.9	11.9	15.5	14.3	20.3	17.8	20.1	14.2	15.3	15.2	21.0	14.7	21.0	9.3
22	15.2	14.0	12.8	11.6	10.5	8.1	4.6	4.7	7.0	7.0	9.4	13.0	10.6	9.5	9.5	20.2	15.5	15.5	14.2	13.0	9.4	9.4	11.7	19.9	11.5	20.2	4.6
23	22.2	14.0	15.1	19.7	11.5	11.5	11.5	11.5	12.7	12.7	10.5	10.5	12.8	14.0	15.2	14.1	10.6	8.2	7.0	4.7	4.7	5.8	80.7	21.8	15.1	80.7	4.7
24	5.8	6.9	6.9	8.1	8.1	6.9	10.3	8.1	5.8	6.9	10.5	10.5	9.4	11.8	10.7	11.9	11.9	13.0	15.4	15.3	12.9	11.7	12.9	14.1	10.2	15.4	5.8
25	11.7	8.2	8.2	22.2	15.2	14.0	14.0	17.5	22.2	46.8	15.3	14.2	15.5	19.1	11.9	11.9	10.7	13.1	13.1	8.3	9.5	18.9	3.5	8.3	14.7	46.8	3.5
26	10.6	7.1	8.2	8.2	9.3	8.2	10.5	15.3	10.6	7.1	10.7	10.7	9.5	13.1	13.2	10.8	32.3	7.2	9.5	10.7	8.3	7.1	11.8	15.3	11.0	32.3	7.1
27	15.3	15.2	12.9	14.0	15.1	12.8	19.7	15.1	19.8	17.5	16.4	16.5	13.0	13.1	15.5	11.9	17.9	19.1	20.2	13.0	13.0	14.2	18.8	12.9	15.6	20.2	11.9
28	12.9	12.9	14.0	21.0	15.1	13.9	18.6	10.5	14.0	15.2	25.8	15.4	15.4	17.9	16.7	18.0	19.2	23.9	22.6	18.9	26.9	18.6	11.6	10.5	17.1	26.9	10.5
29	9.3	8.1	8.1	8.1	8.1	10.4	11.5	13.9	15.1	14.0	9.3	7.0	10.6	15.3	11.8	10.6	17.8	38.5	15.9	10.2	4.6	3.4	2.3	5.7	11.2	38.5	2.3
30	8.0	4.6	3.4	4.6	5.7	8.0	6.8	5.7	8.1	9.3	5.8	5.9	5.9	5.9	10.6	13.0	11.9	8.3	7.1	9.4	12.9	11.7	8.2	8.2	7.9	13.0	3.4
31	8.1	5.8	8.1	15.0	13.9	13.9	19.6	9.3	10.5	11.7	10.6	7.1	9.5	13.1	13.1	10.5	9.3	10.4	8.1	9.1	13.8	11.5	11.5	13.8	11.1	19.6	5.8
Avg	14.6	12.0	11.8	12.2	11.1	12.0	12.9	11.5	12.0	12.9	12.5	12.0	12.2	12.8	13.8	16.9	20.5	19.4	15.7	15.4	15.5	13.8	14.8	14.1	13.9	--	--
Max	95.2	36.0	47.7	40.6	30.2	35.9	37.1	19.9	22.2	46.8	25.8	18.9	20.0	22.6	29.7	75.1	123.0	67.0	31.9	39.1	47.3	37.7	80.7	24.3	--	123.0	--
Min	5.8	4.6	3.4	4.6	5.7	5.7	4.6	4.7	5.8	6.9	5.8	5.9	5.9	2.4	2.4	5.9	5.9	7.1	6.9	4.7	4.6	3.4	2.3	5.7	--	--	2.3

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

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

Month: Aug 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	9.2	18.4	9.2	9.2	6.9	5.7	5.8	5.8	7.0	8.2	5.9	8.3	9.5	9.5	9.5	8.3	7.2	6.0	9.5	11.8	9.4	--	--	--	8.6	18.4	5.7
2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.8	16.8	25.1	-6.0	27.3	20.1	3.5	3.6	--	27.3	-6.0
5	9.5	7.1	3.5	9.4	8.2	9.3	10.5	17.6	10.6	10.6	11.9	13.1	13.1	12.0	13.2	12.0	13.2	14.4	13.2	13.1	9.5	9.5	14.3	14.2	11.4	17.6	3.5
6	14.2	11.8	31.6	40.9	39.6	36.1	28.0	19.8	10.5	14.1	17.6	7.0	9.4	11.7	12.9	13.0	11.9	8.3	8.3	9.5	13.0	9.4	7.1	8.2	16.4	40.9	7.0
7	3.5	7.0	11.7	9.4	10.5	18.6	20.9	26.7	26.8	22.2	17.6	17.7	15.4	22.5	17.4	9.3	3.5	7.0	7.0	4.6	8.1	12.7	12.7	11.5	13.5	26.8	3.5
8	9.2	8.0	8.0	8.0	8.0	8.0	6.9	6.9	4.6	4.6	7.0	8.2	9.4	9.4	9.5	10.7	13.0	13.0	11.8	11.8	14.1	11.7	9.3	10.5	9.2	14.1	4.6
9	12.8	11.6	12.7	13.9	13.8	12.7	10.4	10.5	10.5	10.5	12.9	20.1	14.2	14.3	15.5	15.5	15.5	14.3	13.1	17.8	30.6	26.9	21.0	17.4	15.4	30.6	10.4
10	13.8	9.2	9.3	9.2	5.8	6.9	10.4	8.1	5.8	7.0	9.4	8.2	9.4	11.9	9.5	10.7	13.1	14.3	10.7	9.5	11.8	12.9	16.4	15.2	10.3	16.4	5.8
11	11.7	4.7	4.7	5.8	2.3	5.8	6.9	8.1	12.8	24.2	8.1	6.9	7.0	5.9	5.9	7.1	9.5	8.3	8.3	9.4	8.1	9.2	9.2	6.9	8.2	24.2	2.3
12	9.2	10.3	6.9	8.0	11.5	12.6	9.2	10.4	10.4	10.5	12.8	19.9	12.9	12.9	11.9	17.9	14.3	20.3	17.7	5.9	5.9	10.5	10.5	7.0	11.6	20.3	5.9
13	8.2	11.6	13.9	15.1	12.7	11.5	12.7	15.2	14.1	15.4	21.5	12.0	13.2	9.6	8.4	10.8	6.0	7.2	4.8	1.2	7.1	8.3	9.5	11.8	10.9	21.5	1.2
14	11.8	10.6	9.4	11.8	14.1	17.5	16.4	16.5	22.5	20.2	14.4	20.4	16.9	16.9	14.5	14.5	16.8	15.5	13.1	20.2	14.2	14.2	14.1	15.3	15.5	22.5	9.4
15	11.8	7.1	8.2	11.7	12.8	12.8	10.5	9.4	9.5	11.9	11.9	20.4	16.8	24.1	14.5	15.7	16.9	15.7	15.7	15.6	24.0	17.8	15.4	15.3	14.4	24.1	7.1
16	10.6	9.4	18.8	22.4	18.8	18.7	25.6	25.6	22.2	29.4	27.2	32.1	39.4	32.3	27.6	33.7	32.5	27.6	30.0	37.1	32.2	31.0	33.4	27.3	26.9	39.4	9.4
17	26.1	27.2	29.4	22.2	15.2	15.1	15.1	11.6	19.8	24.5	31.6	28.2	30.8	33.3	27.5	35.9	33.5	40.6	27.4	27.3	32.0	28.4	20.0	28.2	26.3	40.6	11.6
18	19.9	22.1	13.9	19.7	19.7	10.4	10.4	10.4	11.6	14.0	18.8	23.6	28.4	22.6	23.8	29.8	34.6	35.8	23.8	17.8	20.1	22.4	21.2	15.3	20.4	35.8	10.4
19	16.4	19.9	17.5	16.3	22.0	12.7	11.6	18.6	20.9	24.5	22.3	18.9	26.1	32.1	34.6	29.8	39.4	28.6	28.5	32.0	33.1	22.5	20.1	20.1	23.7	39.4	11.6
20	21.2	23.5	11.7	18.7	16.3	16.2	12.7	13.9	14.0	11.7	11.8	11.8	17.8	17.8	15.5	22.7	21.5	25.1	26.2	30.8	17.7	17.6	19.9	14.0	17.9	30.8	11.7
21	17.5	12.8	14.0	23.3	18.6	19.7	20.9	12.7	19.7	23.3	18.7	16.4	18.8	20.1	23.7	23.8	20.3	19.0	23.8	14.2	15.4	16.5	24.7	20.0	19.1	24.7	12.7
22	21.1	17.5	14.0	19.8	16.2	15.1	15.1	20.9	22.1	22.2	23.4	22.3	15.4	21.3	17.8	27.3	20.2	23.8	18.9	17.7	17.6	18.7	9.3	10.5	18.7	27.3	9.3
23	11.6	12.7	13.9	13.9	12.7	12.7	18.4	19.7	20.9	19.8	19.8	24.6	22.5	21.4	28.6	21.5	46.2	17.5	14.1	22.1	20.8	10.4	10.5	10.4	18.6	46.2	10.4
24	8.1	6.9	9.3	6.9	5.7	6.9	9.2	10.4	11.6	11.7	10.6	8.3	7.1	20.3	13.1	14.3	11.9	13.1	16.6	14.2	14.1	14.1	12.9	14.0	11.3	20.3	5.7
25	12.8	8.1	6.9	8.1	4.6	4.6	8.0	9.2	8.1	8.2	11.7	12.9	9.4	18.9	13.0	14.2	11.5	8.1	9.3	68.0	12.6	10.3	5.7	4.6	12.0	68.0	4.6
26	6.9	5.7	4.6	4.6	4.6	2.3	2.3	5.7	7.0	9.3	11.7	7.1	7.1	9.5	8.3	10.7	10.7	11.9	11.8	26.8	11.6	9.3	9.3	9.3	8.7	26.8	2.3
27	4.6	5.8	11.6	12.7	10.4	9.2	10.4	10.4	8.2	9.4	11.8	10.7	11.9	9.5	--	24.3	6.9	6.9	3.5	3.5	6.9	11.5	12.6	6.9	9.5	24.3	3.5
28	3.4	3.4	4.6	3.4	6.8	8.0	5.7	5.8	7.0	8.2	11.8	11.9	11.9	8.4	3.6	9.6	14.4	14.3	11.9	8.3	10.6	11.8	9.4	9.4	8.5	14.4	3.4
29	10.6	9.4	11.7	11.7	9.3	9.3	9.3	12.8	15.3	13.0	13.0	11.9	11.9	13.2	11.8	10.6	10.7	9.5	10.6	18.8	56.0	23.2	17.4	18.6	14.6	56.0	9.3
30	10.4	11.6	10.4	8.1	6.9	6.9	5.8	5.8	4.7	2.4	1.2	2.4	7.1	7.2	4.8	7.2	7.2	6.0	7.1	11.8	20.0	18.8	8.2	22.2	8.5	22.2	1.2
31	12.8	12.8	34.9	34.8	16.3	18.5	16.2	16.2	14.0	11.7	12.9	13.0	13.0	13.1	20.2	19.1	15.5	16.6	16.6	12.8	11.5	8.0	6.8	7.9	15.6	34.9	6.8
Avg	12.1	11.7	12.7	14.2	12.5	12.3	12.3	13.0	13.3	14.4	14.6	14.9	15.2	16.5	15.4	17.1	16.9	16.0	15.1	16.8	17.8	15.6	13.7	13.4	14.5	--	--
Max	26.1	27.2	34.9	40.9	39.6	36.1	28.0	26.7	26.8	29.4	31.6	32.1	39.4	33.3	34.6	35.9	46.2	40.6	30.0	68.0	56.0	31.0	33.4	28.2	--	68.0	--
Min	3.4	3.4	3.5	3.4	2.3	2.3	2.3	5.7	4.6	2.4	1.2	2.4	7.0	5.9	3.6	7.1	3.5	6.0	3.5	-6.0	5.9	8.0	3.5	3.6	--	--	-6.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: Table125, conc_PM10_µg/m^3_STP"
Month: Sep 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	6.8	5.7	4.5	5.7	6.8	9.1	9.1	5.7	6.9	9.2	9.3	5.8	4.7	5.9	7.1	9.4	7.1	7.1	8.2	9.4	11.7	11.6	11.6	9.3	7.8	11.7	4.5
2	4.6	3.4	5.8	10.4	12.7	11.5	12.7	19.5	18.5	17.4	16.3	16.3	14.1	9.4	--	--	8.2	9.4	--	12.9	14.0	15.1	10.4	5.8	11.8	19.5	3.4
3	4.6	4.6	5.8	8.1	6.9	6.9	13.8	11.5	9.3	10.5	9.4	10.6	15.2	16.4	12.8	12.8	15.1	13.9	10.3	8.0	5.7	3.4	6.9	10.3	9.7	16.4	3.4
4	9.2	6.9	6.9	3.4	2.3	2.3	3.4	6.9	8.1	6.9	9.3	9.3	7.0	10.5	9.4	5.9	7.0	11.5	9.2	8.1	12.7	10.4	6.9	8.0	7.6	12.7	2.3
5	11.5	10.3	8.0	9.2	5.7	5.7	6.9	5.7	6.9	6.9	5.7	6.9	5.7	4.6	3.5	1.2	3.5	4.6	3.5	6.9	8.1	8.0	9.2	4.6	6.4	11.5	1.2
6	3.4	6.9	6.9	5.7	3.4	2.3	4.6	6.9	6.9	7.0	8.2	9.4	5.9	5.9	7.1	4.7	4.7	8.3	8.3	2.4	7.0	9.4	5.9	7.0	6.2	9.4	2.3
7	8.1	7.0	5.8	4.6	3.5	4.6	6.9	7.0	8.2	7.0	5.9	9.4	10.6	5.9	5.9	8.3	13.0	13.0	8.3	10.6	11.7	10.5	8.2	7.0	8.0	13.0	3.5
8	4.7	4.7	4.7	2.3	4.7	8.1	11.6	23.1	31.3	21.1	11.7	9.4	17.7	8.3	9.5	13.0	11.8	11.8	11.8	11.7	11.7	10.5	14.0	13.9	11.8	31.3	2.3
9	8.1	9.3	12.7	13.8	16.1	25.2	21.8	23.0	20.8	23.2	20.9	16.4	17.6	18.8	22.3	25.8	28.1	23.4	30.3	33.8	32.6	30.2	31.3	29.0	22.3	33.8	8.1
10	23.2	20.9	23.2	19.7	30.0	30.0	20.7	19.6	15.0	17.3	17.4	20.9	16.2	17.4	20.8	23.1	9.2	10.4	9.2	6.9	8.0	8.0	9.2	12.6	17.0	30.0	6.9
11	12.6	9.2	17.3	5.8	8.0	9.1	11.4	17.2	12.7	13.9	16.3	14.0	12.9	16.5	24.8	16.5	18.9	16.5	22.3	19.9	19.9	10.5	17.5	10.4	14.7	24.8	5.8
12	9.2	11.5	16.1	13.8	11.5	12.7	--	17.4	21.0	18.8	20.1	21.3	13.1	15.5	14.4	11.9	10.7	8.2	9.4	12.9	12.8	11.7	14.0	31.5	14.8	31.5	8.2
13	37.4	38.3	30.2	34.8	30.1	--	28.8	41.7	28.1	24.8	30.7	42.6	39.3	35.8	37.0	28.7	14.3	20.2	43.6	9.2	10.3	6.9	2.3	4.6	26.9	43.6	2.3
14	6.9	6.9	3.4	2.3	4.6	5.7	3.4	3.5	5.8	7.0	9.3	8.2	9.4	9.4	5.9	5.9	7.1	9.4	12.9	11.7	12.8	27.9	20.9	25.5	9.4	27.9	2.3
15	17.3	16.2	12.7	12.7	10.4	9.2	11.5	12.6	10.4	8.1	6.9	8.1	9.3	11.7	11.7	--	9.4	7.0	4.7	19.8	8.1	11.6	15.0	16.1	11.3	19.8	4.7
16	11.5	6.9	5.7	3.4	1.1	1.1	1.1	3.4	3.4	6.9	6.9	2.3	4.7	7.0	8.2	10.5	11.7	9.4	7.0	7.0	8.2	10.5	8.1	5.8	6.3	11.7	1.1
17	5.8	2.3	3.5	4.6	3.4	5.7	8.0	11.5	11.6	7.0	4.7	2.3	1.2	0.0	2.4	5.9	11.8	11.8	8.2	8.2	7.0	7.0	6.9	6.9	6.1	11.8	0.0
18	6.9	5.8	4.6	5.8	8.1	5.7	3.4	4.6	26.8	11.7	10.6	7.1	7.1	7.1	3.6	3.6	4.7	10.6	10.6	7.0	4.7	4.7	7.0	8.1	7.5	26.8	3.4
19	3.5	1.2	5.8	8.1	4.6	5.8	8.1	5.8	4.7	5.9	5.9	4.7	3.6	7.1	9.5	4.8	28.4	25.8	12.8	11.6	6.9	4.6	6.9	8.1	8.1	28.4	1.2
20	9.2	9.2	6.9	3.4	4.6	5.7	5.7	8.0	10.4	18.6	19.9	7.1	18.9	32.1	8.3	7.2	9.6	9.5	7.1	7.1	10.6	10.5	8.2	9.3	10.3	32.1	3.4
21	9.3	8.1	11.6	11.6	8.1	4.6	25.3	25.4	9.3	9.3	9.2	9.2	6.9	4.6	4.6	6.8	5.7	5.7	2.3	0.0	0.0	0.0	1.1	3.4	7.6	25.4	0.0
22	1.1	-1.1	0.0	0.0	-1.1	-1.1	3.4	4.5	4.5	4.5	3.4	1.1	0.0	-2.3	-2.3	1.2	3.5	3.5	4.6	2.3	2.3	6.9	4.6	4.6	2.0	6.9	-2.3
23	7.9	6.8	3.4	3.4	5.6	6.8	6.8	9.1	6.9	5.8	5.8	5.8	7.0	9.4	10.6	9.4	8.2	7.0	8.2	9.3	4.6	0.0	3.5	6.9	6.6	10.6	0.0
24	8.1	5.8	5.7	8.0	8.0	8.0	10.3	13.8	15.1	18.6	14.1	11.8	10.7	8.3	8.3	13.1	11.9	8.3	8.2	9.4	7.0	7.0	5.8	2.3	9.5	18.6	2.3
25	2.3	5.8	11.5	8.1	2.3	9.2	13.8	12.7	12.7	26.7	17.5	14.0	21.1	18.8	9.4	11.8	11.8	9.4	9.4	8.2	10.5	8.1	6.9	8.1	11.3	26.7	2.3
26	6.9	9.2	13.8	13.8	12.6	11.5	18.3	20.7	24.4	25.7	24.6	15.3	14.1	13.0	9.5	9.5	9.5	7.1	25.8	14.0	15.1	9.3	8.1	11.6	14.3	25.8	6.9
27	9.3	6.9	10.4	12.6	9.2	9.2	10.3	10.4	35.0	21.1	11.8	11.8	11.9	8.3	4.8	6.0	9.5	11.9	15.3	13.0	8.2	8.2	10.5	9.3	11.5	35.0	4.8
28	8.1	9.3	9.3	10.4	10.4	6.9	8.1	11.6	18.6	12.9	23.4	20.0	15.4	13.0	9.5	11.8	15.3	14.1	12.9	12.9	15.2	16.4	21.0	17.5	13.5	23.4	6.9
29	18.7	12.8	12.8	14.0	12.7	9.2	8.1	32.4	18.6	18.7	21.1	16.5	16.6	14.2	14.3	16.7	16.6	22.5	20.1	14.1	21.1	17.6	16.4	16.3	16.8	32.4	8.1
30	15.1	13.9	10.5	10.5	10.4	8.1	18.4	25.5	31.6	17.7	14.2	13.1	28.6	7.2	10.7	11.9	10.7	9.5	8.3	10.6	12.9	10.5	17.5	9.4	14.0	31.6	7.2
Avg	9.7	8.8	9.3	9.0	8.6	8.2	10.9	14.0	14.8	13.7	13.0	11.7	12.2	11.3	10.5	10.6	11.2	11.4	12.2	10.6	10.7	10.2	10.5	10.8	11.0	--	--
Max	37.4	38.3	30.2	34.8	30.1	30.0	28.8	41.7	35.0	26.7	30.7	42.6	39.3	35.8	37.0	28.7	28.4	25.8	43.6	33.8	32.6	30.2	31.3	31.5	--	43.6	--
Min	1.1	-1.1	0.0	0.0	-1.1	-1.1	1.1	3.4	3.4	4.5	3.4	1.1	0.0	-2.3	-2.3	1.2	3.5	3.5	2.3	0.0	0.0	0.0	1.1	2.3	--	--	-2.3

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

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

Month: Jul 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	5.0	1.0	1.0	2.0	0.0	0.0	2.0	2.0	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.0	0.0
2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.0	3.0	2.0	1.0	3.0	5.0	6.0	5.0	4.0	--	6.0	1.0
8	5.0	3.0	2.0	3.0	4.0	3.0	4.0	3.0	2.0	2.0	2.0	4.0	6.0	5.0	4.0	2.0	2.0	4.0	3.0	4.0	7.0	6.0	5.0	2.0	3.6	7.0	2.0
9	2.0	2.0	2.0	0.0	0.0	2.0	4.0	3.0	1.0	5.0	3.0	0.0	2.0	2.0	5.0	8.0	8.0	5.0	1.0	2.0	1.0	3.0	3.0	3.0	2.8	8.0	0.0
10	4.0	2.0	1.0	2.0	5.0	6.0	3.0	0.0	2.0	4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0	0.0
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.0	6.0	5.0	6.0	7.0	6.0	2.0	3.0	1.0	--	7.0	1.0
15	0.0	1.0	1.0	2.0	1.0	3.0	5.0	5.0	4.0	2.0	3.0	5.0	2.0	4.0	6.0	8.0	7.0	7.0	8.0	8.0	9.0	9.0	8.0	7.0	4.8	9.0	0.0
16	8.0	5.0	3.0	3.0	4.0	5.0	6.0	6.0	7.0	8.0	7.0	6.0	6.0	5.0	3.0	6.0	8.0	6.0	7.0	9.0	8.0	6.0	4.0	4.0	5.8	9.0	3.0
17	10.0	12.0	7.0	7.0	8.0	5.0	6.0	9.0	9.0	6.0	4.0	3.0	2.0	4.0	6.0	6.0	7.0	6.0	5.0	7.0	6.0	5.0	4.0	2.0	6.1	12.0	2.0
18	1.0	4.0	6.0	3.0	2.0	4.0	4.0	2.0	2.0	3.0	4.0	3.0	3.0	3.0	3.0	4.0	7.0	9.0	6.0	2.0	0.0	2.0	3.0	3.0	3.5	9.0	0.0
19	1.0	2.0	1.0	0.0	1.0	0.0	1.0	2.0	1.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	3.0	6.0	6.0	5.0	6.0	4.0	2.0	2.0	2.3	6.0	0.0
20	2.0	3.0	3.0	2.0	3.0	3.0	1.0	0.0	3.0	6.0	4.0	4.0	7.0	6.0	5.0	3.0	3.0	4.0	4.0	5.0	6.0	7.0	7.0	7.0	4.1	7.0	0.0
21	6.0	8.0	8.0	4.0	4.0	6.0	8.0	6.0	3.0	5.0	5.0	4.0	6.0	6.0	5.0	4.0	2.0	2.0	5.0	5.0	6.0	7.0	7.0	6.0	5.3	8.0	2.0
22	5.0	4.0	3.0	5.0	5.0	4.0	3.0	1.0	0.0	2.0	4.0	2.0	3.0	4.0	1.0	2.0	4.0	3.0	3.0	4.0	2.0	3.0	3.0	3.0	3.0	5.0	0.0
23	3.0	3.0	2.0	2.0	5.0	3.0	3.0	6.0	6.0	4.0	3.0	3.0	1.0	3.0	5.0	3.0	1.0	2.0	5.0	3.0	3.0	2.0	0.0	0.0	3.0	6.0	0.0
24	1.0	3.0	3.0	1.0	0.0	3.0	4.0	4.0	4.0	2.0	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	5.0	5.0	4.0	4.0	5.0	6.0	2.9	6.0	0.0
25	4.0	3.0	3.0	4.0	2.0	3.0	4.0	3.0	2.0	4.0	4.0	3.0	4.0	2.0	2.0	3.0	4.0	1.0	1.0	2.0	2.0	4.0	4.0	4.0	3.0	4.0	1.0
26	4.0	2.0	3.0	4.0	5.0	5.0	5.0	6.0	5.0	1.0	3.0	3.0	3.0	5.0	2.0	0.0	0.0	1.0	1.0	1.0	1.0	-1.0	1.0	3.0	2.6	6.0	-1.0
27	2.0	2.0	4.0	3.0	3.0	4.0	5.0	5.0	5.0	4.0	2.0	3.0	4.0	4.0	4.0	3.0	4.0	4.0	3.0	3.0	2.0	2.0	4.0	5.0	3.5	5.0	2.0
28	5.0	6.0	3.0	2.0	3.0	4.0	6.0	5.0	6.0	6.0	3.0	4.0	5.0	4.0	4.0	4.0	3.0	1.0	4.0	6.0	4.0	4.0	5.0	3.0	4.2	6.0	1.0
29	1.0	1.0	3.0	2.0	1.0	1.0	1.0	2.0	5.0	4.0	4.0	4.0	3.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	0.0	2.2	5.0	0.0
30	0.0	0.0	2.0	2.0	5.0	4.0	1.0	2.0	3.0	1.0	1.0	2.0	2.0	2.0	1.0	3.0	3.0	0.0	0.0	5.0	5.0	1.0	0.0	2.0	2.0	5.0	0.0
31	2.0	4.0	5.0	1.0	2.0	5.0	5.0	5.0	4.0	5.0	2.0	2.0	3.0	0.0	2.0	3.0	1.0	1.0	1.0	5.0	5.0	3.0	3.0	3.0	3.0	5.0	0.0
Avg	3.4	3.4	3.1	2.6	3.0	3.5	3.9	3.7	3.6	3.8	3.2	3.1	3.5	3.6	3.4	3.7	3.8	3.5	3.6	4.4	4.2	3.8	3.7	3.3	3.6	--	--
Max	10.0	12.0	8.0	7.0	8.0	6.0	8.0	9.0	9.0	8.0	7.0	6.0	7.0	6.0	6.0	8.0	8.0	9.0	8.0	9.0	9.0	9.0	8.0	7.0	--	12.0	--
Min	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	-1.0	0.0	0.0	--	--	-1.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

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

Month: Aug 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	4.0	6.0	5.0	1.0	1.0	2.0	2.0	4.0	4.0	3.0	3.0	3.0	2.0	3.0	6.0	4.0	1.0	2.0	1.0	2.0	4.0	3.0	3.0	6.0	1.0
2	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	1.0	1.0	3.0	2.0	3.0	3.0	3.0	5.0	4.0	3.0	5.0	4.0	4.0	6.0	4.0	3.0	2.8	6.0	1.0
3	3.0	2.0	3.0	2.0	4.0	3.0	4.0	4.0	3.0	4.0	3.0	5.0	4.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	6.0	5.0	4.0	4.0	3.3	6.0	1.0
4	2.0	5.0	5.0	5.0	4.0	6.0	7.0	4.0	4.0	5.0	4.0	5.0	4.0	2.0	4.0	3.0	1.0	3.0	5.0	4.0	6.0	4.0	2.0	4.0	4.1	7.0	1.0
5	4.0	2.0	3.0	5.0	4.0	3.0	5.0	4.0	2.0	5.0	5.0	3.0	3.0	2.0	4.0	5.0	3.0	2.0	0.0	2.0	3.0	5.0	6.0	5.0	3.5	6.0	0.0
6	3.0	3.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	6.0	5.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	4.0	6.0	7.0	7.0	3.0	0.0	4.0	7.0	0.0
7	2.0	2.0	1.0	3.0	4.0	4.0	2.0	3.0	5.0	5.0	5.0	5.0	6.0	5.0	1.0	--	5.0	11.0	6.0	5.0	3.0	2.0	4.0	4.0	4.0	11.0	1.0
8	5.0	2.0	1.0	1.0	1.0	-1.0	-1.0	-1.0	3.0	6.0	3.0	1.0	2.0	4.0	4.0	3.0	5.0	7.0	7.0	6.0	5.0	6.0	4.0	2.0	3.1	7.0	-1.0
9	3.0	4.0	3.0	2.0	4.0	3.0	3.0	6.0	6.0	6.0	6.0	7.0	8.0	7.0	8.0	7.0	5.0	7.0	8.0	6.0	4.0	5.0	6.0	5.0	5.4	8.0	2.0
10	4.0	2.0	0.0	2.0	3.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.0	3.0	5.0	6.0	5.0	4.0	3.0	2.0	2.0	3.0	3.0	3.0	3.5	6.0	0.0
11	4.0	3.0	2.0	2.0	1.0	-1.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	3.0	3.0	4.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	1.4	4.0	-1.0
12	2.0	4.0	3.0	3.0	4.0	3.0	4.0	5.0	4.0	4.0	6.0	8.0	4.0	2.0	4.0	5.0	6.0	5.0	7.0	6.0	6.0	5.0	3.0	5.0	4.5	8.0	2.0
13	4.0	5.0	5.0	4.0	5.0	5.0	5.0	3.0	2.0	5.0	7.0	6.0	6.0	5.0	5.0	4.0	3.0	4.0	5.0	4.0	3.0	4.0	3.0	2.0	4.3	7.0	2.0
14	2.0	3.0	4.0	4.0	7.0	8.0	6.0	6.0	8.0	8.0	7.0	7.0	5.0	5.0	5.0	5.0	5.0	7.0	7.0	8.0	8.0	7.0	5.0	5.0	5.9	8.0	2.0
15	6.0	6.0	6.0	5.0	6.0	7.0	5.0	4.0	3.0	3.0	8.0	9.0	6.0	7.0	9.0	10.0	9.0	6.0	7.0	7.0	7.0	7.0	5.0	6.0	6.4	10.0	3.0
16	5.0	4.0	6.0	6.0	3.0	2.0	2.0	3.0	3.0	2.0	1.0	2.0	3.0	4.0	5.0	6.0	6.0	6.0	7.0	8.0	7.0	5.0	4.0	6.0	4.4	8.0	1.0
17	5.0	4.0	6.0	5.0	7.0	6.0	3.0	3.0	4.0	6.0	5.0	5.0	7.0	6.0	5.0	7.0	9.0	9.0	9.0	8.0	5.0	4.0	6.0	6.0	5.8	9.0	3.0
18	6.0	6.0	5.0	3.0	5.0	5.0	6.0	6.0	3.0	2.0	4.0	3.0	4.0	7.0	5.0	5.0	6.0	8.0	7.0	6.0	5.0	4.0	3.0	4.0	4.9	8.0	2.0
19	5.0	5.0	6.0	6.0	5.0	6.0	6.0	7.0	7.0	5.0	4.0	5.0	6.0	8.0	7.0	5.0	6.0	7.0	6.0	6.0	7.0	8.0	6.0	4.0	6.0	8.0	4.0
20	6.0	4.0	3.0	5.0	6.0	6.0	3.0	4.0	5.0	4.0	4.0	2.0	1.0	4.0	6.0	5.0	4.0	4.0	6.0	7.0	5.0	6.0	6.0	3.0	4.5	7.0	1.0
21	4.0	6.0	6.0	5.0	5.0	6.0	5.0	3.0	3.0	4.0	1.0	-1.0	2.0	4.0	6.0	--	5.0	6.0	8.0	5.0	3.0	5.0	7.0	7.0	4.6	8.0	-1.0
22	5.0	2.0	3.0	1.0	2.0	6.0	6.0	5.0	4.0	6.0	4.0	2.0	4.0	3.0	5.0	6.0	6.0	6.0	7.0	8.0	7.0	5.0	3.0	3.0	4.5	8.0	1.0
23	3.0	3.0	2.0	2.0	2.0	1.0	4.0	4.0	3.0	5.0	5.0	3.0	6.0	6.0	4.0	4.0	6.0	6.0	4.0	5.0	7.0	7.0	5.0	4.0	4.2	7.0	1.0
24	3.0	4.0	3.0	4.0	5.0	1.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	3.0	6.0	6.0	1.0	2.0	3.0	3.0	4.0	2.0	1.0	0.0	2.8	6.0	0.0
25	4.0	2.0	-1.0	1.0	0.0	1.0	3.0	1.0	2.0	3.0	5.0	5.0	4.0	6.0	3.0	3.0	5.0	6.0	4.0	1.0	3.0	4.0	3.0	1.0	2.9	6.0	-1.0
26	2.0	2.0	1.0	3.0	2.0	0.0	1.0	2.0	4.0	4.0	5.0	5.0	4.0	2.0	2.0	3.0	4.0	5.0	5.0	3.0	1.0	2.0	3.0	2.0	2.8	5.0	0.0
27	2.0	3.0	2.0	2.0	2.0	1.0	4.0	4.0	3.0	3.0	3.0	4.0	3.0	4.0	--	4.0	2.0	1.0	0.0	1.0	4.0	1.0	-2.0	3.0	2.4	4.0	-2.0
28	4.0	-1.0	-1.0	1.0	1.0	-1.0	0.0	2.0	2.0	1.0	1.0	2.0	3.0	4.0	4.0	4.0	3.0	4.0	6.0	5.0	4.0	4.0	3.0	3.0	2.4	6.0	-1.0
29	4.0	4.0	5.0	4.0	5.0	4.0	4.0	6.0	5.0	2.0	2.0	3.0	4.0	3.0	2.0	3.0	4.0	3.0	4.0	4.0	6.0	5.0	4.0	5.0	4.0	6.0	2.0
30	1.0	1.0	3.0	3.0	5.0	4.0	3.0	4.0	4.0	1.0	1.0	3.0	1.0	0.0	1.0	3.0	2.0	2.0	2.0	2.0	3.0	1.0	2.0	4.0	2.3	5.0	0.0
31	3.0	4.0	4.0	2.0	2.0	4.0	5.0	4.0	5.0	6.0	5.0	4.0	6.0	6.0	4.0	5.0	6.0	7.0	6.0	2.0	2.0	4.0	4.0	1.0	4.2	7.0	1.0
Avg	3.6	3.2	3.2	3.3	3.7	3.3	3.5	3.7	3.6	3.9	3.9	3.8	3.9	4.0	4.2	4.6	4.5	4.9	5.0	4.5	4.5	4.4	3.7	3.5	3.9	--	--
Max	6.0	6.0	6.0	6.0	7.0	8.0	7.0	7.0	8.0	8.0	8.0	9.0	8.0	8.0	9.0	10.0	9.0	11.0	9.0	8.0	8.0	8.0	7.0	7.0	--	11.0	--
Min	1.0	-1.0	-1.0	1.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	0.0	-1.0	0.0	0.0	1.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	-2.0	0.0	--	--	-2.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant

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

Month: Sep 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	2.0	-1.0	0.0	2.0	3.0	4.0	4.0	2.0	1.0	1.0	2.0	2.0	2.0	3.0	2.0	2.0	3.0	5.0	6.0	5.0	2.0	1.0	2.0	2.4	6.0	-1.0
2	1.0	2.0	2.0	4.0	5.0	5.0	7.0	6.0	4.0	3.0	4.0	5.0	5.0	5.0	--	--	5.0	5.0	--	0.0	1.0	2.0	2.0	3.0	3.6	7.0	0.0
3	4.0	5.0	4.0	4.0	5.0	5.0	5.0	3.0	2.0	2.0	4.0	6.0	6.0	7.0	7.0	9.0	9.0	5.0	3.0	2.0	2.0	4.0	5.0	4.0	4.7	9.0	2.0
4	3.0	3.0	2.0	1.0	4.0	4.0	1.0	3.0	3.0	2.0	2.0	3.0	4.0	5.0	3.0	2.0	4.0	6.0	6.0	3.0	3.0	4.0	4.0	5.0	3.3	6.0	1.0
5	6.0	5.0	6.0	5.0	3.0	3.0	2.0	2.0	3.0	4.0	4.0	3.0	1.0	-2.0	-1.0	1.0	1.0	3.0	4.0	2.0	1.0	0.0	0.0	0.0	2.3	6.0	-2.0
6	-1.0	0.0	0.0	-2.0	0.0	0.0	-2.0	0.0	2.0	1.0	2.0	2.0	0.0	1.0	1.0	0.0	0.0	1.0	3.0	5.0	3.0	0.0	2.0	4.0	0.9	5.0	-2.0
7	2.0	2.0	4.0	4.0	4.0	2.0	2.0	3.0	3.0	2.0	1.0	2.0	2.0	1.0	3.0	6.0	6.0	4.0	4.0	5.0	5.0	1.0	2.0	2.0	3.0	6.0	1.0
8	2.0	3.0	3.0	4.0	5.0	5.0	5.0	5.0	6.0	7.0	5.0	3.0	1.0	1.0	2.0	3.0	4.0	6.0	6.0	5.0	7.0	6.0	4.0	3.0	4.2	7.0	1.0
9	1.0	2.0	3.0	3.0	3.0	4.0	4.0	3.0	4.0	5.0	2.0	2.0	5.0	3.0	4.0	6.0	4.0	2.0	2.0	3.0	4.0	4.0	6.0	8.0	3.6	8.0	1.0
10	6.0	2.0	3.0	5.0	4.0	4.0	5.0	6.0	3.0	2.0	4.0	5.0	3.0	2.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	3.6	6.0	2.0
11	3.0	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	5.0	5.0	3.0	4.0	8.0	8.0	7.0	7.0	6.0	4.0	3.0	4.0	3.0	3.7	8.0	0.0
12	1.0	1.0	3.0	3.0	3.0	5.0	--	11.0	6.0	2.0	3.0	6.0	6.0	4.0	3.0	3.0	3.0	5.0	6.0	5.0	6.0	4.0	3.0	6.0	4.3	11.0	1.0
13	7.0	4.0	6.0	6.0	5.0	--	5.0	5.0	5.0	6.0	6.0	6.0	9.0	10.0	10.0	8.0	6.0	7.0	6.0	3.0	3.0	4.0	5.0	5.0	6.0	10.0	3.0
14	3.0	1.0	1.0	2.0	2.0	0.0	0.0	1.0	2.0	2.0	1.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	5.0	5.0	4.0	1.0	1.0	4.0	2.3	5.0	0.0
15	4.0	2.0	1.0	2.0	4.0	5.0	4.0	5.0	6.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	4.0	4.0	2.0	1.0	1.0	3.0	2.7	6.0	1.0
16	3.0	2.0	3.0	3.0	3.0	3.0	3.0	1.0	0.0	2.0	1.0	1.0	3.0	2.0	3.0	2.0	1.0	3.0	1.0	0.0	2.0	4.0	5.0	4.0	2.3	5.0	0.0
17	3.0	5.0	4.0	2.0	0.0	2.0	3.0	1.0	-2.0	-1.0	0.0	2.0	1.0	0.0	-1.0	1.0	2.0	1.0	3.0	3.0	2.0	0.0	1.0	1.0	1.4	5.0	-2.0
18	1.0	2.0	2.0	2.0	4.0	5.0	4.0	2.0	0.0	0.0	1.0	2.0	3.0	3.0	1.0	1.0	2.0	3.0	2.0	-1.0	1.0	2.0	2.0	3.0	2.0	5.0	-1.0
19	2.0	1.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	0.0	2.0	2.0	0.0	-1.0	1.0	0.0	1.0	1.0	3.0	5.0	1.0	1.0	1.3	5.0	-1.0
20	1.0	1.0	0.0	0.0	0.0	2.0	5.0	4.0	3.0	3.0	2.0	1.0	2.0	3.0	1.0	3.0	5.0	4.0	3.0	1.0	2.0	3.0	3.0	4.0	2.3	5.0	0.0
21	3.0	-1.0	0.0	4.0	4.0	3.0	2.0	1.0	0.0	1.0	3.0	1.0	0.0	1.0	0.0	0.0	0.0	3.0	5.0	2.0	1.0	1.0	-1.0	-2.0	1.3	5.0	-2.0
22	-1.0	0.0	0.0	0.0	-2.0	-1.0	0.0	-1.0	-1.0	0.0	1.0	-2.0	-2.0	0.0	-2.0	-2.0	0.0	-1.0	-1.0	-1.0	0.0	1.0	0.0	1.0	-0.6	1.0	-2.0
23	0.0	1.0	3.0	1.0	3.0	4.0	4.0	4.0	1.0	-1.0	0.0	1.0	4.0	4.0	2.0	3.0	2.0	-1.0	-2.0	-1.0	-3.0	-1.0	1.0	2.0	1.3	4.0	-3.0
24	2.0	2.0	1.0	2.0	2.0	3.0	2.0	1.0	4.0	3.0	3.0	5.0	6.0	5.0	4.0	3.0	3.0	4.0	3.0	1.0	4.0	8.0	6.0	4.0	3.4	8.0	1.0
25	6.0	7.0	5.0	3.0	4.0	4.0	5.0	6.0	6.0	5.0	4.0	1.0	1.0	3.0	5.0	3.0	1.0	4.0	6.0	6.0	6.0	4.0	5.0	6.0	4.4	7.0	1.0
26	5.0	5.0	6.0	7.0	9.0	8.0	8.0	10.0	9.0	7.0	6.0	5.0	4.0	5.0	3.0	3.0	6.0	5.0	4.0	7.0	7.0	5.0	2.0	1.0	5.7	10.0	1.0
27	4.0	4.0	5.0	5.0	3.0	4.0	8.0	8.0	5.0	3.0	3.0	5.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	5.0	7.0	6.0	4.0	6.0	5.0	8.0	3.0
28	6.0	6.0	5.0	6.0	7.0	5.0	5.0	6.0	5.0	4.0	6.0	7.0	6.0	4.0	4.0	4.0	5.0	6.0	6.0	5.0	6.0	7.0	7.0	8.0	5.7	8.0	4.0
29	8.0	8.0	6.0	4.0	4.0	4.0	4.0	7.0	9.0	6.0	5.0	5.0	6.0	6.0	4.0	4.0	3.0	3.0	6.0	7.0	6.0	5.0	5.0	5.0	5.4	9.0	3.0
30	7.0	8.0	6.0	3.0	3.0	4.0	7.0	10.0	9.0	6.0	4.0	3.0	4.0	1.0	1.0	3.0	4.0	6.0	5.0	3.0	4.0	2.0	3.0	2.0	4.5	10.0	1.0
Avg	3.1	2.8	2.8	2.9	3.2	3.4	3.6	4.0	3.4	2.9	2.9	3.1	3.3	3.0	2.6	3.0	3.2	3.6	3.8	3.2	3.4	3.0	2.9	3.4	3.2	--	--
Max	8.0	8.0	6.0	7.0	9.0	8.0	8.0	11.0	9.0	7.0	6.0	7.0	9.0	10.0	10.0	9.0	9.0	7.0	7.0	7.0	7.0	8.0	7.0	8.0	--	11.0	--
Min	-1.0	-1.0	-1.0	-2.0	-2.0	-1.0	-2.0	-1.0	-2.0	-1.0	0.0	-2.0	-2.0	-2.0	-2.0	-2.0	0.0	-1.0	-2.0	-1.0	-3.0	-1.0	-1.0	-2.0	--	--	-3.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_µg/m^3 STP"
Month: Jul 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	22.5	3.4	7.8	13.4	13.4	28.9	13.3	10.1	4.5	18.1	14.7	46.6	25.1	32.2	32.2	35.7	27.6	33.3	39.0	19.4	17.0	19.2	15.8	15.8	21.2	46.6	3.4
2	14.6	10.1	10.1	11.2	16.7	23.4	13.4	32.6	11.3	24.9	30.7	20.6	48.2	39.2	--	106.0	18.5	20.8	15.0	21.9	11.5	10.3	11.4	20.3	23.6	106.0	10.1
3	30.0	14.5	13.4	17.8	14.4	9.9	5.5	4.4	0.0	-2.3	3.4	6.8	3.4	2.3	2.3	2.3	2.3	3.5	5.7	6.9	6.8	6.8	4.5	3.4	7.0	30.0	-2.3
4	5.7	5.7	3.4	3.4	5.7	4.5	5.7	6.8	6.8	8.0	10.3	8.1	10.4	13.8	11.5	6.9	8.1	10.4	12.6	12.6	10.3	20.5	6.8	6.8	8.5	20.5	3.4
5	6.8	5.7	7.9	9.0	18.0	12.4	12.4	11.2	6.7	6.8	9.0	11.2	9.0	6.8	5.7	42.5	6.7	6.7	6.7	7.8	10.1	10.1	10.1	7.8	10.3	42.5	5.7
6	2.2	2.2	4.4	5.5	4.4	8.8	13.3	11.1	6.7	4.5	24.8	11.3	21.6	16.0	21.8	16.1	12.7	10.3	20.6	20.6	10.2	11.3	11.3	13.5	11.9	24.8	2.2
7	14.6	7.8	17.9	3.4	2.2	20.0	10.0	9.0	6.8	11.3	13.7	18.3	25.3	16.1	19.6	16.2	13.9	11.6	12.7	15.0	18.3	13.7	17.1	12.5	13.6	25.3	2.2
8	12.5	17.0	12.4	36.0	6.7	11.2	15.8	10.2	5.7	4.6	6.9	17.2	33.5	15.1	18.6	27.9	20.9	15.1	19.7	25.3	41.3	26.3	20.5	12.5	18.0	41.3	4.6
9	12.5	5.7	2.3	3.4	6.7	17.9	10.1	21.4	7.9	5.7	8.0	10.3	9.2	13.8	60.7	19.6	18.4	24.1	22.7	10.2	12.5	18.0	15.8	12.3	14.5	60.7	2.3
10	9.0	9.0	7.8	5.6	6.7	17.7	8.9	9.0	12.4	14.7	12.5	9.1	6.9	10.3	11.5	9.2	12.7	11.5	9.2	10.3	37.6	9.1	12.4	15.8	11.6	37.6	5.6
11	18.0	19.1	12.3	19.0	13.4	13.4	8.9	7.9	10.2	9.1	6.8	8.0	8.0	6.9	9.2	13.8	13.8	11.5	9.2	9.2	9.1	10.2	11.3	20.3	11.6	20.3	6.8
12	9.0	9.0	7.8	7.8	17.8	17.8	27.9	6.7	4.5	4.5	4.6	4.6	9.2	12.7	19.7	13.9	13.9	12.7	11.5	18.2	9.1	11.3	7.9	3.4	11.1	27.9	3.4
13	3.4	2.3	3.4	5.6	6.7	9.0	10.1	5.7	3.4	5.7	6.9	8.1	--	--	13.9	--	--	--	11.4	12.5	10.2	6.8	2.3	2.3	6.8	13.9	2.3
14	5.6	7.8	9.0	8.9	6.7	5.6	6.7	12.4	10.2	5.7	6.9	9.2	12.6	18.5	11.6	19.7	13.9	17.4	16.1	39.0	24.0	20.5	14.5	12.3	13.1	39.0	5.6
15	10.1	12.3	12.3	12.3	12.3	8.9	8.9	8.9	10.1	12.4	12.4	18.2	27.3	16.0	14.9	13.8	17.3	20.7	21.8	37.8	33.1	20.4	23.8	23.7	17.1	37.8	8.9
16	12.4	17.9	7.8	6.7	6.7	8.9	16.7	9.0	11.3	--	--	16.0	34.4	29.9	25.3	31.2	19.7	18.5	17.3	16.1	13.7	21.6	13.6	109.0	21.1	109.0	6.7
17	76.2	16.8	12.3	19.0	19.0	84.9	22.4	29.1	23.5	11.2	13.3	10.0	4.5	9.0	12.4	6.8	6.8	18.2	15.9	11.3	7.9	6.8	6.7	22.3	19.4	84.9	4.5
18	17.8	13.3	12.2	17.8	11.1	11.1	10.0	10.0	19.0	19.0	18.0	12.4	10.2	22.8	10.3	10.3	123.0	59.2	29.0	13.4	10.0	4.4	4.4	4.4	19.7	123.0	4.4
19	4.4	6.6	5.5	6.6	8.8	6.6	7.7	8.8	8.8	6.7	7.8	19.0	3.4	6.8	6.8	2.3	2.3	5.7	10.2	10.1	11.2	13.4	15.6	15.6	8.3	19.0	2.3
20	10.0	10.0	13.3	7.7	7.7	41.9	13.2	11.1	12.3	18.0	15.8	23.7	13.6	35.3	12.5	12.6	12.6	13.7	23.9	28.4	14.7	13.5	12.4	14.6	16.4	41.9	7.7
21	12.3	7.8	8.9	7.8	22.3	84.6	30.1	12.4	16.9	12.5	10.3	11.4	9.2	60.9	24.2	13.8	12.7	15.0	12.6	12.6	13.7	12.5	13.6	11.3	18.7	84.6	7.8
22	9.0	9.0	9.0	10.1	10.0	43.4	21.2	0.0	20.3	16.9	7.9	18.2	24.0	38.9	31.0	18.4	6.9	5.8	10.3	16.0	15.9	13.6	12.4	7.9	15.7	43.4	0.0
23	18.0	14.6	14.5	13.4	10.0	38.9	14.5	11.2	21.2	10.1	9.0	18.0	19.2	14.6	13.6	8.0	1.1	-1.1	2.3	1.1	1.1	4.5	66.7	20.0	14.4	66.7	-1.1
24	16.7	6.7	8.9	17.8	5.5	31.0	7.8	5.5	27.8	8.9	19.1	12.4	10.2	11.4	27.4	20.6	8.0	12.6	16.0	12.5	10.2	10.2	12.4	15.8	14.0	31.0	5.5
25	13.5	18.0	7.9	5.6	9.0	30.3	53.8	14.6	19.2	11.3	10.3	9.2	10.3	26.5	6.9	3.5	2.3	6.9	13.8	12.6	8.0	9.1	26.1	11.3	14.2	53.8	2.3
26	6.8	5.6	9.0	13.5	22.4	40.3	44.8	10.2	19.3	20.5	11.4	9.2	40.2	12.7	8.1	26.6	15.0	10.4	6.9	8.0	6.9	9.1	9.1	23.7	16.2	44.8	5.6
27	11.3	11.3	11.3	9.0	16.8	95.0	44.7	16.8	--	10.2	18.2	10.3	33.2	33.3	20.7	15.0	15.0	13.8	26.5	14.9	13.7	13.7	12.5	17.0	21.0	95.0	9.0
28	6.8	10.2	12.4	20.3	10.1	39.2	19.0	21.3	14.6	13.6	18.2	9.1	11.5	29.9	13.9	22.0	20.9	20.8	14.9	20.6	34.0	12.3	10.1	10.0	17.3	39.2	6.8
29	6.7	4.4	4.4	4.4	6.7	7.8	6.7	6.7	6.7	6.8	9.0	9.0	22.7	26.1	13.7	14.8	18.3	30.5	19.8	6.6	6.6	6.6	3.3	2.2	10.4	30.5	2.2
30	6.6	4.4	3.3	4.4	3.3	6.6	6.6	4.4	4.5	6.7	6.8	2.3	-1.1	2.3	5.7	6.9	3.5	0.0	2.3	5.7	7.9	12.4	12.4	10.1	5.3	12.4	-1.1
31	6.7	2.3	3.4	6.7	5.6	4.5	6.7	10.1	--	9.1	9.1	6.9	4.6	33.1	16.0	14.5	12.3	7.8	6.7	19.8	8.8	11.0	13.3	13.3	10.1	33.1	2.3
Avg	13.3	9.4	8.9	10.7	10.5	25.3	16.0	11.2	11.5	10.5	11.9	13.0	16.7	20.4	16.7	19.0	16.0	14.9	14.9	15.4	14.4	12.6	13.9	15.8	14.3	--	--
Max	76.2	19.1	17.9	36.0	22.4	95.0	53.8	32.6	27.8	24.9	30.7	46.6	48.2	60.9	60.7	106.0	123.0	59.2	39.0	39.0	41.3	26.3	66.7	109.0	--	123.0	--
Min	2.2	2.2	2.3	3.4	2.2	4.5	5.5	0.0	0.0	-2.3	3.4	2.3	-1.1	2.3	2.3	2.3	1.1	-1.1	2.3	1.1	1.1	4.4	2.3	2.2	--	--	-2.3

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_µg/m^3 STP"
Month: Aug 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	8.9	6.7	7.8	5.5	5.6	5.5	4.4	4.5	3.4	1.1	2.3	3.4	5.7	3.4	1.2	1.2	3.5	6.9	9.2	13.7	10.2	5.7	5.7	4.5	5.4	13.7	1.1
2	5.6	5.6	4.5	3.4	2.2	1.1	-1.1	-1.1	1.1	2.3	4.6	2.3	0.0	2.3	9.2	9.3	4.6	6.9	8.1	5.7	8.0	8.0	4.5	6.8	4.3	9.3	-1.1
3	7.9	6.8	6.8	5.6	6.7	20.2	26.9	17.0	9.1	29.6	6.9	10.3	11.5	9.3	20.8	10.4	13.9	10.4	17.3	8.1	20.5	9.1	12.5	13.6	13.0	29.6	5.6
4	5.7	3.4	9.0	10.1	9.0	81.7	39.1	15.8	27.2	19.4	14.9	31.1	5.8	26.7	24.4	34.9	4.6	4.6	9.3	9.2	6.9	6.9	8.0	11.3	17.5	81.7	3.4
5	7.9	5.7	11.3	11.2	5.6	54.9	60.5	23.7	13.6	12.6	27.5	30.0	65.8	46.3	66.1	50.0	10.5	24.4	11.6	30.0	13.8	13.7	19.4	15.9	26.3	66.1	5.6
6	14.8	11.3	18.1	45.1	51.7	35.9	43.8	33.7	10.2	21.6	9.1	9.1	7.9	7.9	10.2	11.4	6.9	4.6	6.9	4.6	4.6	5.7	5.7	9.1	16.2	51.7	4.6
7	4.5	2.3	5.6	6.8	11.3	27.0	25.8	31.5	21.4	22.7	34.1	21.7	20.6	48.2	36.1	7.9	2.3	2.3	6.8	10.0	7.8	2.2	6.7	8.9	15.6	48.2	2.2
8	5.6	4.4	4.4	2.2	1.1	2.2	2.2	2.2	3.4	6.8	5.7	4.5	6.8	5.7	5.7	9.2	9.2	10.3	9.1	9.1	11.4	10.2	12.4	13.5	6.6	13.5	1.1
9	12.4	11.2	10.1	12.3	14.5	12.3	11.2	12.3	13.5	12.5	13.7	13.7	12.6	13.8	12.7	11.6	13.9	12.7	18.4	12.6	37.5	39.5	9.0	11.2	14.8	39.5	9.0
10	13.4	8.9	4.5	2.2	2.2	4.5	5.6	4.5	4.5	6.8	9.0	6.8	6.8	6.9	8.1	12.7	10.4	4.6	6.9	6.9	2.3	6.8	9.1	7.9	6.8	13.4	2.2
11	10.2	10.1	7.9	5.6	4.5	30.2	6.7	9.0	11.2	12.3	6.7	-1.1	-2.3	3.4	5.7	4.6	5.8	6.9	6.9	8.0	8.9	7.8	6.7	6.7	7.6	30.2	-2.3
12	6.7	5.6	5.6	4.5	3.4	6.7	6.7	9.0	7.9	4.5	7.9	11.3	11.4	10.2	8.0	9.2	10.4	10.4	11.4	10.2	10.2	9.0	9.0	10.1	8.3	11.4	3.4
13	7.9	9.0	10.1	7.9	4.5	7.9	9.0	18.1	16.0	11.5	10.4	12.7	10.5	8.2	3.5	2.3	3.5	2.3	4.6	5.8	5.8	5.7	5.7	6.9	7.9	18.1	2.3
14	9.1	12.5	14.8	12.5	12.5	27.1	15.8	30.6	49.1	16.1	23.1	7.0	9.4	12.9	11.7	12.9	30.1	8.0	8.0	5.7	6.9	10.3	12.5	13.7	15.5	49.1	5.7
15	10.3	9.1	17.0	17.0	13.6	13.5	11.3	18.1	11.4	9.2	9.3	23.1	24.5	39.6	17.5	15.2	14.1	15.2	30.3	12.8	15.0	10.4	5.7	10.3	15.6	39.6	5.7
16	11.4	10.3	12.5	13.6	12.4	24.8	30.3	28.2	20.3	20.5	31.9	33.3	37.0	30.1	36.0	31.4	47.8	45.4	54.5	24.3	25.4	32.2	25.2	27.4	27.8	54.5	10.3
17	31.9	29.6	30.6	13.5	14.6	34.9	16.8	24.6	38.2	30.4	38.4	30.7	50.4	52.9	28.9	46.3	28.9	25.4	27.7	23.0	28.7	19.4	20.5	14.7	29.2	52.9	13.5
18	18.1	10.1	12.3	13.4	13.4	37.9	21.2	7.8	9.0	27.1	15.9	18.2	32.0	39.0	40.3	47.2	32.3	32.3	24.2	16.0	20.5	28.5	10.2	20.4	22.8	47.2	7.8
19	17.0	22.5	13.5	11.2	16.7	27.8	40.0	15.7	20.2	18.1	34.0	37.6	44.6	75.8	47.3	53.1	30.0	28.8	28.7	29.7	25.1	22.8	10.2	18.1	28.7	75.8	10.2
20	15.8	18.0	11.3	11.2	11.2	65.9	24.6	14.6	14.7	24.9	27.2	24.0	39.0	27.6	38.0	30.0	19.6	21.9	28.8	20.6	6.8	6.8	18.1	18.0	22.4	65.9	6.8
21	11.3	13.5	12.4	9.0	10.1	19.0	22.4	31.3	14.6	22.4	28.2	27.3	49.0	24.1	31.0	38.0	26.5	19.6	55.1	84.7	95.9	25.0	23.8	14.7	29.5	95.9	9.0
22	15.8	15.8	16.9	57.3	54.9	7.8	46.9	63.8	195.0	29.3	23.7	27.3	43.4	132.0	24.1	26.5	31.1	32.2	30.9	13.7	19.3	16.9	18.0	16.8	40.0	195.0	7.8
23	39.2	19.0	14.5	14.5	21.1	24.5	20.0	12.3	10.1	18.0	15.8	14.8	24.0	23.0	21.9	20.8	89.8	26.1	7.9	18.0	17.9	1.1	5.6	5.6	20.2	89.8	1.1
24	4.5	6.7	5.6	4.5	4.5	6.7	6.7	17.8	5.6	6.8	24.9	4.6	10.3	9.2	8.1	24.3	9.2	12.7	17.2	13.7	10.3	8.0	5.7	3.4	9.6	24.9	3.4
25	4.5	6.7	4.5	4.5	4.5	5.6	5.6	5.6	5.6	9.0	10.2	5.7	8.0	11.4	32.0	17.1	16.6	10.0	5.5	55.5	10.0	10.0	7.8	4.4	10.8	55.5	4.4
26	2.2	3.3	2.2	2.2	5.5	6.7	5.5	3.3	2.2	5.6	7.9	6.8	18.2	--	8.0	10.3	8.1	4.6	8.0	18.1	21.4	2.3	-3.4	-3.4	6.3	21.4	-3.4
27	2.2	3.4	6.7	8.9	7.8	24.5	17.8	7.8	9.0	5.7	5.7	8.0	5.7	8.1	10.3	31.3	7.8	5.6	3.4	5.6	4.5	5.6	7.8	4.4	8.6	31.3	2.2
28	3.3	3.3	2.2	4.4	2.2	2.2	4.4	5.6	4.5	4.5	4.5	3.4	8.0	19.6	3.5	9.3	12.7	8.1	9.2	10.3	9.1	6.8	6.8	7.9	6.5	19.6	2.2
29	6.8	2.3	3.4	6.7	9.0	7.8	5.6	9.0	11.3	9.1	8.0	8.1	8.1	20.9	8.1	6.9	5.8	8.1	12.4	13.5	56.1	15.7	13.5	10.1	11.1	56.1	2.3
30	6.8	3.4	4.5	5.6	3.4	-1.1	1.1	3.4	3.4	4.6	1.1	-1.2	3.5	4.6	3.5	2.3	3.5	3.5	4.6	11.4	21.6	14.7	12.4	10.1	5.4	21.6	-1.2
31	9.0	9.0	10.1	13.5	14.6	11.2	9.0	17.9	18.0	13.6	12.5	19.4	9.2	25.3	38.0	21.9	8.1	9.2	20.6	18.1	11.2	12.3	10.9	4.4	14.4	38.0	4.4
Avg	10.7	9.3	9.7	11.2	11.4	20.5	17.6	16.1	18.9	14.1	15.3	14.6	18.9	24.9	20.0	20.0	16.8	13.7	16.2	17.1	17.8	12.2	10.5	10.6	15.3	--	--
Max	39.2	29.6	30.6	57.3	54.9	81.7	60.5	63.8	195.0	30.4	38.4	37.6	65.8	132.0	66.1	53.1	89.8	45.4	55.1	84.7	95.9	39.5	25.2	27.4	--	195.0	--
Min	2.2	2.3	2.2	2.2	1.1	-1.1	-1.1	-1.1	1.1	1.1	1.1	-1.2	-2.3	2.3	1.2	1.2	2.3	2.3	3.4	4.6	2.3	1.1	-3.4	-3.4	--	--	-3.4

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table125, conc_PM10_µg/m^3 STP"
Month: Sep 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	1.1	2.2	3.3	0.0	0.0	0.0	2.2	5.5	3.4	1.1	2.3	4.5	8.0	8.0	4.6	2.3	2.3	7.9	12.4	10.1	10.1	11.2	6.7	4.6	12.4	0.0
2	7.8	7.7	7.7	6.7	2.2	6.6	11.0	8.9	13.4	14.6	11.3	9.1	8.0	8.0	5.7	21.7	12.5	10.2	18.2	12.4	12.4	14.7	10.1	9.0	10.4	21.7	2.2
3	6.7	3.4	1.1	1.1	4.5	4.4	3.3	5.6	6.7	5.6	7.9	11.4	11.3	11.3	11.3	9.0	9.0	10.0	7.7	4.4	1.1	5.5	6.6	3.3	6.4	11.4	1.1
4	2.2	0.0	2.2	6.6	3.3	2.2	2.2	3.3	5.6	4.5	4.5	3.4	5.7	8.0	4.5	2.3	5.6	5.6	2.2	3.3	2.2	4.5	6.7	4.4	4.0	8.0	0.0
5	4.4	1.1	2.2	4.4	6.6	4.4	1.1	2.2	3.3	3.3	5.5	6.6	0.0	-5.6	-4.5	-2.3	-1.1	1.1	1.1	0.0	1.1	2.2	-1.1	-3.3	1.4	6.6	-5.6
6	-3.3	-1.1	-1.1	-1.1	0.0	0.0	1.1	5.5	4.5	1.1	3.4	6.8	6.8	2.3	0.0	0.0	0.0	1.1	3.4	5.7	6.8	5.6	5.6	1.1	2.3	6.8	-3.3
7	1.1	5.6	5.6	6.7	5.6	1.1	3.3	10.1	14.6	6.8	2.3	9.1	8.0	2.3	17.2	6.9	4.6	2.3	4.6	6.8	7.9	4.5	6.8	9.0	6.4	17.2	1.1
8	7.9	6.8	5.6	5.6	1.1	1.1	21.3	11.2	7.9	7.9	10.2	9.1	10.3	11.4	19.4	17.1	14.9	10.3	8.0	9.1	16.9	6.8	10.1	11.2	10.1	21.3	1.1
9	10.0	11.1	10.0	8.9	13.3	16.6	20.0	16.6	18.9	17.9	19.1	29.5	26.1	38.5	28.3	28.3	21.5	23.7	25.9	27.0	21.3	25.8	25.8	24.6	21.2	38.5	8.9
10	20.1	17.9	17.8	21.2	16.7	27.8	28.9	18.9	30.0	23.4	22.4	19.0	25.8	26.9	25.7	17.9	7.8	8.9	8.9	5.6	6.7	6.6	6.6	6.6	17.4	30.0	5.6
11	8.8	8.8	8.8	9.9	7.7	9.9	11.0	16.5	11.1	11.2	12.4	19.2	15.9	13.7	25.1	19.4	13.7	11.4	12.5	14.7	14.6	13.5	11.2	10.1	13.0	25.1	7.7
12	11.2	11.1	12.3	12.3	7.8	10.0	13.3	14.5	16.8	19.2	21.6	12.6	13.8	11.6	8.1	11.5	14.9	10.2	11.4	10.2	9.1	12.4	11.2	19.1	12.8	21.6	7.8
13	24.7	30.2	28.0	23.5	39.1	30.2	40.2	30.3	18.1	22.7	34.2	40.1	28.8	32.2	38.0	17.3	20.8	23.0	36.5	42.5	16.7	7.8	1.1	2.2	26.2	42.5	1.1
14	6.7	3.3	1.1	3.3	4.4	4.4	6.6	8.9	5.6	5.6	3.4	19.3	6.8	11.4	19.4	6.8	8.0	9.1	5.7	5.7	9.0	21.3	21.3	23.5	9.2	23.5	1.1
15	20.1	18.9	16.7	13.3	8.9	10.0	7.7	7.8	8.9	5.6	5.6	6.7	9.0	11.3	13.6	11.3	9.1	7.9	4.5	20.2	5.6	6.7	8.9	17.8	10.7	20.2	4.5
16	6.6	8.8	8.8	6.6	2.2	1.1	5.5	6.6	7.8	4.5	-1.1	19.2	7.9	9.0	19.3	14.8	13.6	11.3	7.9	5.6	5.6	6.7	8.9	7.8	8.1	19.3	-1.1
17	5.6	3.3	0.0	3.3	4.4	2.2	3.3	5.5	3.4	0.0	2.3	1.1	3.4	37.5	11.4	23.9	8.0	6.8	4.5	4.5	3.4	4.5	5.6	7.8	6.5	37.5	0.0
18	7.8	4.4	3.3	4.4	4.4	2.2	37.6	7.8	28.0	3.4	7.9	19.4	4.6	5.7	20.6	24.1	2.3	1.1	1.1	4.5	5.6	5.6	6.7	10.1	9.3	37.6	1.1
19	7.8	4.5	2.2	2.2	0.0	3.4	11.2	9.0	10.2	11.4	11.4	6.9	21.8	3.4	18.4	5.8	30.9	12.5	11.3	7.9	22.4	23.5	4.5	5.6	10.3	30.9	0.0
20	7.8	6.7	4.4	3.3	-1.1	3.3	5.5	4.4	3.4	0.0	0.0	2.3	1.1	1.2	3.5	4.6	5.8	3.5	6.9	9.1	11.3	12.4	7.9	6.8	4.8	12.4	-1.1
21	9.0	12.3	12.3	11.1	6.7	5.6	26.7	18.9	19.0	8.9	8.9	6.6	3.3	2.2	3.3	4.4	2.2	0.0	0.0	-3.3	-4.4	-1.1	1.1	1.1	6.5	26.7	-4.4
22	-1.1	-2.2	-1.1	2.2	2.2	-2.2	-4.4	0.0	3.3	0.0	-1.1	-2.2	0.0	-2.2	-4.5	0.0	-1.1	-1.1	0.0	2.2	3.3	2.2	4.4	2.2	0.0	4.4	-4.5
23	0.0	2.2	3.3	5.5	2.2	1.1	1.1	1.1	5.5	3.3	3.4	6.7	1.1	0.0	3.4	4.6	6.8	6.8	4.5	5.6	6.7	4.5	1.1	1.1	3.4	6.8	0.0
24	3.3	5.5	6.6	4.4	3.3	5.5	7.7	8.9	10.1	6.8	3.4	8.0	34.3	15.0	8.1	3.5	2.3	1.2	3.4	3.4	5.7	3.4	1.1	3.4	6.6	34.3	1.1
25	1.1	1.1	2.3	1.1	1.1	2.2	6.7	12.3	15.6	14.6	7.9	1.1	2.3	8.0	11.4	5.7	3.4	3.4	4.5	6.8	6.8	7.9	7.9	8.9	6.0	15.6	1.1
26	10.0	8.9	11.2	10.0	10.0	13.3	13.3	8.9	9.0	18.0	6.8	8.0	8.0	6.9	5.7	3.4	4.6	6.9	4.6	5.7	9.1	5.7	3.4	6.8	8.3	18.0	3.4
27	6.8	4.5	2.3	3.4	4.5	5.6	8.9	12.3	6.8	3.4	5.7	6.9	6.9	9.2	10.4	6.9	4.6	6.9	11.4	18.2	1.1	5.6	11.2	11.2	7.3	18.2	1.1
28	12.3	11.2	7.8	8.9	7.8	6.7	52.1	26.7	12.3	14.7	18.2	11.4	13.7	12.6	12.6	21.7	13.7	10.3	27.2	9.0	7.9	10.1	11.2	9.0	14.5	52.1	6.7
29	8.9	10.0	11.1	10.0	12.2	14.4	29.9	17.8	14.6	15.8	14.7	20.5	16.0	14.9	11.5	43.7	12.6	11.5	19.4	19.3	15.8	18.0	20.2	14.6	16.6	43.7	8.9
30	14.5	13.4	12.3	11.2	10.0	7.8	17.9	15.7	15.7	15.9	12.6	10.3	10.4	8.1	10.4	23.1	12.7	17.2	17.1	9.1	11.3	10.2	7.9	6.8	12.6	23.1	6.8
Avg	7.7	7.4	6.9	7.1	6.4	6.7	13.1	10.6	11.2	9.1	8.9	11.0	10.5	10.8	12.2	12.1	8.9	7.8	9.4	9.6	8.4	8.9	8.2	8.3	9.2	--	--
Max	24.7	30.2	28.0	23.5	39.1	30.2	52.1	30.3	30.0	23.4	34.2	40.1	34.3	38.5	38.0	43.7	30.9	23.7	36.5	42.5	22.4	25.8	25.8	24.6	--	52.1	--
Min	-3.3	-2.2	-1.1	-1.1	-1.1	-2.2	-4.4	0.0	3.3	0.0	-1.1	-2.2	0.0	-5.6	-4.5	-2.3	-1.1	-1.1	0.0	-3.3	-4.4	-1.1	-1.1	-3.3	--	--	-5.6

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"
Month: Jul 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	5.0	4.0	4.0	4.0	4.0	7.0	10.0	4.0	2.0	4.0	4.0	5.0	10.0	13.0	17.0	4.0	21.0	3.0	1.0	19.0	6.0	5.0	6.8	21.0	1.0
2	4.0	3.0	5.0	4.0	1.0	3.0	4.0	8.0	12.0	14.0	23.0	6.0	6.0	--	61.0	7.0	33.0	8.0	6.0	4.0	4.0	4.0	5.0	39.0	11.5	61.0	1.0
3	4.0	3.0	2.0	3.0	6.0	8.0	5.0	2.0	18.0	54.0	50.0	61.0	44.0	0.0	0.0	-1.0	1.0	4.0	4.0	5.0	35.0	30.0	22.0	67.0	17.8	67.0	-1.0
4	30.0	23.0	5.0	5.0	5.0	2.0	2.0	3.0	0.0	0.0	2.0	-1.0	-2.0	4.0	5.0	4.0	4.0	4.0	6.0	6.0	4.0	6.0	53.0	50.0	9.2	53.0	-2.0
5	42.0	38.0	30.0	30.0	33.0	30.0	32.0	27.0	29.0	0.0	4.0	31.0	27.0	43.0	5.0	4.0	4.0	5.0	6.0	9.0	9.0	7.0	7.0	3.0	19.0	43.0	0.0
6	1.0	2.0	0.0	0.0	2.0	4.0	4.0	19.0	27.0	23.0	14.0	10.0	28.0	6.0	3.0	0.0	2.0	2.0	1.0	4.0	6.0	7.0	9.0	11.0	7.7	28.0	0.0
7	10.0	10.0	9.0	6.0	5.0	6.0	8.0	15.0	20.0	20.0	14.0	19.0	18.0	20.0	18.0	16.0	16.0	14.0	15.0	11.0	15.0	7.0	15.0	13.0	13.3	20.0	5.0
8	11.0	7.0	7.0	9.0	8.0	7.0	9.0	9.0	7.0	6.0	6.0	7.0	8.0	8.0	7.0	5.0	5.0	9.0	11.0	8.0	8.0	9.0	10.0	9.0	7.9	11.0	5.0
9	6.0	5.0	7.0	9.0	8.0	7.0	7.0	6.0	6.0	6.0	7.0	7.0	5.0	6.0	8.0	6.0	5.0	5.0	6.0	7.0	7.0	9.0	8.0	6.0	6.6	9.0	5.0
10	6.0	5.0	4.0	6.0	8.0	7.0	6.0	7.0	4.0	2.0	6.0	7.0	6.0	--	--	--	--	--	--	--	--	--	--	--	--	8.0	2.0
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.0	10.0	4.0	5.0	8.0	6.0	4.0	4.0	6.0	6.0	--	10.0	4.0
14	3.0	0.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	-2.0	0.0	3.0	3.0	3.0	5.0	5.0	6.0	7.0	11.0	11.0	8.0	6.0	3.6	11.0	-2.0
15	7.0	7.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	2.0	2.0	3.0	4.0	4.0	2.0	5.0	6.0	6.0	8.0	11.0	12.0	9.0	7.0	7.0	5.6	12.0	2.0
16	7.0	7.0	5.0	4.0	7.0	6.0	5.0	4.0	4.0	4.0	3.0	3.0	6.0	6.0	6.0	6.0	6.0	8.0	10.0	10.0	10.0	9.0	6.0	9.0	6.3	10.0	3.0
17	12.0	9.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	9.0	9.0	6.0	3.0	2.0	3.0	4.0	3.0	5.0	8.0	7.0	6.0	5.0	5.0	6.0	6.5	12.0	2.0
18	4.0	3.0	5.0	6.0	6.0	6.0	6.0	6.0	4.0	4.0	3.0	0.0	2.0	4.0	4.0	2.0	7.0	10.0	5.0	3.0	3.0	1.0	2.0	1.0	4.0	10.0	0.0
19	2.0	3.0	3.0	3.0	4.0	4.0	1.0	3.0	6.0	5.0	3.0	5.0	6.0	4.0	0.0	1.0	4.0	4.0	3.0	4.0	5.0	5.0	5.0	4.0	3.6	6.0	0.0
20	3.0	3.0	4.0	6.0	7.0	6.0	6.0	8.0	6.0	3.0	5.0	4.0	5.0	6.0	6.0	5.0	4.0	7.0	7.0	6.0	8.0	9.0	9.0	9.0	5.9	9.0	3.0
21	9.0	6.0	7.0	9.0	7.0	6.0	6.0	2.0	2.0	5.0	3.0	2.0	4.0	4.0	5.0	5.0	1.0	4.0	8.0	7.0	8.0	8.0	7.0	7.0	5.5	9.0	1.0
22	6.0	5.0	3.0	3.0	4.0	4.0	3.0	3.0	2.0	-1.0	-2.0	1.0	2.0	0.0	2.0	1.0	0.0	1.0	2.0	3.0	5.0	7.0	4.0	3.0	2.5	7.0	-2.0
23	3.0	3.0	4.0	5.0	5.0	4.0	5.0	6.0	3.0	4.0	6.0	6.0	5.0	2.0	3.0	3.0	1.0	1.0	3.0	4.0	3.0	3.0	3.0	3.0	3.7	6.0	1.0
24	4.0	4.0	2.0	2.0	4.0	6.0	7.0	4.0	1.0	2.0	4.0	2.0	2.0	3.0	2.0	2.0	2.0	4.0	6.0	4.0	6.0	5.0	4.0	3.0	3.5	7.0	1.0
25	4.0	5.0	2.0	0.0	2.0	3.0	3.0	3.0	3.0	1.0	0.0	-1.0	-2.0	1.0	3.0	1.0	3.0	6.0	4.0	3.0	2.0	2.0	3.0	1.0	2.2	6.0	-2.0
26	1.0	3.0	5.0	5.0	2.0	1.0	1.0	1.0	1.0	-1.0	-1.0	1.0	4.0	3.0	-2.0	-1.0	4.0	2.0	1.0	2.0	3.0	3.0	2.0	2.0	1.8	5.0	-2.0
27	4.0	3.0	4.0	6.0	5.0	6.0	6.0	2.0	0.0	3.0	0.0	-4.0	-1.0	2.0	4.0	4.0	2.0	1.0	4.0	6.0	6.0	5.0	4.0	3.0	3.1	6.0	-4.0
28	4.0	4.0	6.0	6.0	5.0	7.0	5.0	3.0	6.0	6.0	3.0	2.0	2.0	3.0	3.0	6.0	6.0	5.0	4.0	4.0	8.0	8.0	5.0	6.0	4.9	8.0	2.0
29	4.0	1.0	2.0	1.0	0.0	3.0	2.0	1.0	2.0	2.0	2.0	3.0	5.0	2.0	2.0	2.0	3.0	6.0	6.0	4.0	3.0	3.0	2.0	3.0	2.7	6.0	0.0
30	3.0	2.0	0.0	2.0	2.0	1.0	4.0	4.0	2.0	1.0	0.0	1.0	2.0	3.0	2.0	1.0	2.0	6.0	6.0	4.0	6.0	6.0	4.0	4.0	2.8	6.0	0.0
31	2.0	1.0	3.0	3.0	3.0	4.0	4.0	4.0	--	1.0	0.0	-1.0	-1.0	2.0	2.0	6.0	8.0	3.0	2.0	3.0	5.0	6.0	6.0	6.0	3.1	8.0	-1.0
Avg	7.1	6.0	5.1	5.5	5.6	5.7	5.7	6.1	7.0	6.5	6.0	6.5	6.9	5.6	6.1	4.3	5.6	5.1	6.3	5.5	7.3	7.4	8.1	10.4	6.3	--	--
Max	42.0	38.0	30.0	30.0	33.0	30.0	32.0	27.0	29.0	54.0	50.0	61.0	44.0	43.0	61.0	16.0	33.0	14.0	21.0	11.0	35.0	30.0	53.0	67.0	--	67.0	--
Min	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	-1.0	-2.0	-4.0	-2.0	0.0	-2.0	-1.0	0.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	-	--	-4.0

-- Indicates Invalid Data

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"
Month: Aug 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	7.0	5.0	3.0	3.0	3.0	4.0	1.0	2.0	5.0	4.0	3.0	1.0	2.0	6.0	4.0	1.0	2.0	4.0	5.0	7.0	5.0	4.0	6.0	6.0	3.9	7.0	1.0
2	5.0	4.0	5.0	6.0	6.0	4.0	5.0	5.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	0.0	1.0	4.0	4.0	5.0	6.0	6.0	4.0	5.0	3.7	6.0	0.0
3	5.0	2.0	3.0	5.0	6.0	4.0	1.0	1.0	3.0	1.0	-1.0	-1.0	0.0	0.0	1.0	5.0	5.0	2.0	2.0	4.0	6.0	5.0	3.0	4.0	2.8	6.0	-1.0
4	5.0	4.0	4.0	5.0	5.0	7.0	7.0	7.0	7.0	4.0	3.0	1.0	0.0	3.0	4.0	5.0	4.0	4.0	5.0	5.0	4.0	2.0	3.0	6.0	4.3	7.0	0.0
5	7.0	6.0	6.0	6.0	4.0	4.0	7.0	5.0	3.0	3.0	1.0	2.0	4.0	4.0	3.0	1.0	3.0	5.0	7.0	9.0	6.0	5.0	3.0	4.0	4.5	9.0	1.0
6	5.0	4.0	5.0	6.0	6.0	6.0	7.0	5.0	1.0	-2.0	-1.0	2.0	4.0	3.0	2.0	3.0	2.0	2.0	3.0	1.0	4.0	7.0	5.0	3.0	3.5	7.0	-2.0
7	3.0	4.0	3.0	5.0	5.0	5.0	7.0	6.0	6.0	6.0	7.0	6.0	2.0	3.0	6.0	6.0	5.0	5.0	3.0	0.0	1.0	2.0	2.0	3.0	4.2	7.0	0.0
8	3.0	-1.0	-1.0	1.0	1.0	2.0	3.0	3.0	3.0	0.0	1.0	4.0	5.0	7.0	5.0	5.0	6.0	6.0	5.0	5.0	9.0	9.0	7.0	6.0	3.9	9.0	-1.0
9	4.0	4.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	5.0	5.0	3.0	5.0	5.0	4.0	6.0	7.0	7.0	11.0	14.0	8.0	6.0	5.7	14.0	3.0
10	7.0	6.0	3.0	3.0	5.0	6.0	6.0	6.0	4.0	0.0	-1.0	0.0	0.0	0.0	1.0	0.0	2.0	5.0	4.0	3.0	4.0	3.0	4.0	4.0	3.1	7.0	-1.0
11	3.0	2.0	2.0	4.0	5.0	3.0	3.0	2.0	5.0	6.0	3.0	4.0	3.0	-1.0	1.0	3.0	3.0	3.0	5.0	6.0	6.0	9.0	6.0	5.0	3.8	9.0	-1.0
12	6.0	6.0	7.0	6.0	5.0	4.0	5.0	6.0	6.0	6.0	6.0	5.0	4.0	5.0	6.0	5.0	6.0	5.0	7.0	11.0	11.0	9.0	5.0	4.0	6.1	11.0	4.0
13	6.0	7.0	5.0	5.0	8.0	7.0	5.0	6.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	2.0	4.0	4.0	3.0	7.0	6.0	4.0	6.0	5.2	8.0	2.0
14	8.0	6.0	4.0	6.0	6.0	6.0	7.0	5.0	5.0	6.0	4.0	3.0	4.0	1.0	2.0	5.0	6.0	8.0	7.0	6.0	7.0	7.0	5.0	4.0	5.3	8.0	1.0
15	6.0	8.0	7.0	5.0	5.0	7.0	6.0	6.0	7.0	4.0	1.0	3.0	4.0	5.0	6.0	4.0	5.0	7.0	6.0	9.0	9.0	9.0	9.0	10.0	6.2	10.0	1.0
16	7.0	4.0	5.0	6.0	6.0	6.0	5.0	4.0	5.0	5.0	5.0	2.0	4.0	7.0	8.0	7.0	7.0	8.0	10.0	10.0	9.0	9.0	10.0	11.0	6.7	11.0	2.0
17	10.0	8.0	7.0	6.0	2.0	1.0	3.0	0.0	4.0	7.0	8.0	7.0	4.0	5.0	6.0	6.0	9.0	10.0	9.0	9.0	8.0	6.0	6.0	7.0	6.2	10.0	0.0
18	6.0	5.0	5.0	3.0	2.0	6.0	8.0	5.0	3.0	4.0	4.0	4.0	5.0	2.0	3.0	6.0	8.0	7.0	7.0	9.0	8.0	10.0	9.0	7.0	5.7	10.0	2.0
19	5.0	4.0	7.0	7.0	7.0	6.0	5.0	1.0	-1.0	1.0	5.0	5.0	4.0	5.0	5.0	8.0	10.0	8.0	8.0	9.0	11.0	10.0	8.0	7.0	6.0	11.0	-1.0
20	4.0	4.0	6.0	6.0	6.0	6.0	6.0	5.0	1.0	-2.0	-2.0	1.0	6.0	5.0	3.0	3.0	4.0	8.0	7.0	8.0	8.0	5.0	5.0	6.0	4.5	8.0	-2.0
21	3.0	4.0	3.0	2.0	4.0	5.0	7.0	6.0	3.0	4.0	4.0	3.0	3.0	3.0	4.0	5.0	5.0	7.0	8.0	8.0	8.0	8.0	7.0	6.0	5.0	8.0	2.0
22	6.0	6.0	4.0	2.0	2.0	3.0	3.0	3.0	6.0	7.0	8.0	9.0	6.0	5.0	7.0	5.0	6.0	8.0	5.0	3.0	6.0	7.0	4.0	3.0	5.2	9.0	2.0
23	5.0	4.0	3.0	3.0	2.0	3.0	3.0	0.0	1.0	4.0	4.0	1.0	2.0	5.0	6.0	8.0	8.0	8.0	6.0	6.0	7.0	6.0	5.0	3.0	4.3	8.0	0.0
24	3.0	5.0	5.0	4.0	6.0	7.0	4.0	3.0	3.0	2.0	2.0	3.0	1.0	0.0	2.0	5.0	4.0	2.0	4.0	5.0	6.0	4.0	5.0	4.0	3.7	7.0	0.0
25	3.0	3.0	3.0	3.0	2.0	1.0	2.0	2.0	2.0	3.0	4.0	8.0	8.0	4.0	3.0	6.0	9.0	5.0	3.0	6.0	7.0	5.0	3.0	4.0	4.1	9.0	1.0
26	5.0	5.0	5.0	4.0	1.0	0.0	2.0	4.0	3.0	1.0	1.0	1.0	0.0	--	3.0	4.0	4.0	4.0	5.0	7.0	8.0	8.0	7.0	3.0	3.7	8.0	0.0
27	2.0	4.0	6.0	4.0	2.0	2.0	4.0	5.0	3.0	3.0	4.0	2.0	3.0	5.0	4.0	8.0	5.0	2.0	4.0	3.0	2.0	3.0	5.0	5.0	3.8	8.0	2.0
28	5.0	5.0	3.0	2.0	3.0	3.0	2.0	2.0	-1.0	-2.0	0.0	0.0	-1.0	1.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	3.0	4.0	4.0	2.7	5.0	-2.0
29	4.0	4.0	6.0	7.0	7.0	8.0	9.0	6.0	4.0	5.0	5.0	5.0	4.0	1.0	3.0	7.0	7.0	7.0	8.0	7.0	8.0	7.0	5.0	5.0	5.8	9.0	1.0
30	5.0	3.0	3.0	3.0	2.0	3.0	3.0	2.0	0.0	-1.0	1.0	1.0	-1.0	1.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	7.0	4.0	3.0	2.5	7.0	-1.0
31	4.0	3.0	3.0	5.0	4.0	4.0	7.0	7.0	4.0	4.0	4.0	5.0	5.0	4.0	3.0	1.0	4.0	5.0	6.0	7.0	5.0	5.0	5.0	4.0	4.5	7.0	1.0
Avg	5.1	4.5	4.4	4.5	4.3	4.5	4.8	4.0	3.5	3.1	3.1	3.2	3.1	3.3	3.8	4.5	4.9	5.4	5.6	6.0	6.7	6.5	5.4	5.1	4.5	--	--
Max	10.0	8.0	7.0	7.0	8.0	8.0	9.0	7.0	7.0	7.0	8.0	9.0	8.0	7.0	8.0	8.0	10.0	10.0	10.0	11.0	11.0	14.0	10.0	11.0	--	14.0	--
Min	2.0	-1.0	-1.0	1.0	1.0	0.0	1.0	0.0	-1.0	-2.0	-2.0	-1.0	-1.0	-1.0	1.0	0.0	1.0	2.0	2.0	0.0	1.0	2.0	2.0	3.0	--	--	-2.0

SAROAD for Resolution, West_Plant
"Component, Channel: Table126, conc_PM25_µg/m^3 Actual"
Month: Sep 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	2.0	0.0	0.0	2.0	5.0	2.0	-1.0	-2.0	-2.0	-3.0	-2.0	0.0	1.0	0.0	0.0	4.0	6.0	6.0	6.0	5.0	6.0	6.0	5.0	2.1	6.0	-3.0
2	3.0	1.0	3.0	1.0	0.0	4.0	4.0	2.0	1.0	1.0	1.0	3.0	2.0	1.0	3.0	4.0	4.0	5.0	6.0	6.0	5.0	3.0	5.0	7.0	3.1	7.0	0.0
3	5.0	3.0	2.0	2.0	4.0	3.0	4.0	5.0	4.0	3.0	2.0	2.0	4.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	3.0	5.0	6.0	5.0	4.5	7.0	2.0
4	5.0	6.0	5.0	6.0	7.0	5.0	6.0	2.0	-1.0	2.0	4.0	4.0	3.0	2.0	1.0	1.0	4.0	4.0	2.0	2.0	1.0	-1.0	0.0	4.0	3.1	7.0	-1.0
5	4.0	3.0	3.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	-1.0	1.0	-2.0	-2.0	0.0	0.0	2.0	2.0	0.0	-1.0	-2.0	0.0	0.0	0.4	4.0	-2.0
6	-3.0	-4.0	-2.0	0.0	2.0	-1.0	-4.0	-2.0	-1.0	-1.0	1.0	0.0	-1.0	1.0	2.0	1.0	3.0	4.0	4.0	5.0	5.0	4.0	3.0	3.0	0.8	5.0	-4.0
7	1.0	3.0	2.0	0.0	1.0	2.0	2.0	2.0	4.0	1.0	0.0	2.0	4.0	3.0	5.0	5.0	4.0	4.0	3.0	4.0	4.0	2.0	2.0	4.0	2.7	5.0	0.0
8	4.0	2.0	1.0	2.0	3.0	3.0	4.0	6.0	6.0	3.0	0.0	2.0	2.0	3.0	5.0	3.0	3.0	5.0	8.0	8.0	5.0	5.0	5.0	4.0	3.8	8.0	0.0
9	2.0	3.0	5.0	3.0	0.0	1.0	4.0	2.0	1.0	0.0	-2.0	2.0	5.0	6.0	4.0	6.0	7.0	6.0	4.0	8.0	9.0	6.0	4.0	4.0	3.8	9.0	-2.0
10	6.0	6.0	1.0	1.0	5.0	4.0	2.0	4.0	6.0	8.0	9.0	5.0	5.0	6.0	3.0	2.0	4.0	2.0	3.0	3.0	2.0	3.0	4.0	2.0	4.0	9.0	1.0
11	-2.0	-1.0	2.0	2.0	0.0	2.0	4.0	6.0	6.0	7.0	6.0	4.0	3.0	3.0	5.0	7.0	8.0	6.0	7.0	9.0	5.0	4.0	7.0	5.0	4.4	9.0	-2.0
12	3.0	5.0	4.0	4.0	4.0	4.0	3.0	5.0	10.0	19.0	23.0	6.0	5.0	3.0	18.0	13.0	10.0	7.0	7.0	8.0	7.0	7.0	15.0	6.0	8.2	23.0	3.0
13	5.0	5.0	7.0	9.0	7.0	7.0	8.0	5.0	4.0	6.0	17.0	13.0	10.0	9.0	11.0	9.0	6.0	9.0	10.0	9.0	11.0	6.0	3.0	3.0	7.9	17.0	3.0
14	2.0	2.0	2.0	4.0	3.0	4.0	5.0	3.0	0.0	0.0	1.0	1.0	2.0	2.0	5.0	6.0	5.0	4.0	5.0	7.0	3.0	2.0	4.0	4.0	3.2	7.0	0.0
15	3.0	3.0	6.0	5.0	2.0	1.0	1.0	3.0	5.0	5.0	6.0	5.0	16.0	0.0	2.0	6.0	5.0	2.0	3.0	2.0	3.0	3.0	1.0	2.0	3.8	16.0	0.0
16	6.0	5.0	4.0	3.0	2.0	2.0	3.0	4.0	1.0	2.0	4.0	1.0	-1.0	-1.0	2.0	3.0	1.0	3.0	4.0	4.0	4.0	5.0	6.0	3.0	2.9	6.0	-1.0
17	3.0	2.0	2.0	2.0	2.0	6.0	5.0	0.0	-3.0	-1.0	0.0	0.0	-1.0	-2.0	1.0	4.0	3.0	0.0	1.0	3.0	5.0	4.0	4.0	3.0	1.8	6.0	-3.0
18	0.0	0.0	2.0	4.0	4.0	3.0	4.0	5.0	2.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	3.0	1.6	5.0	-1.0
19	4.0	3.0	1.0	0.0	-1.0	0.0	3.0	5.0	1.0	-4.0	-1.0	1.0	-1.0	-1.0	1.0	3.0	3.0	5.0	6.0	4.0	3.0	4.0	5.0	5.0	2.0	6.0	-4.0
20	3.0	4.0	3.0	2.0	5.0	5.0	6.0	5.0	0.0	0.0	0.0	2.0	1.0	-1.0	-2.0	-1.0	2.0	4.0	4.0	2.0	3.0	6.0	8.0	8.0	2.9	8.0	-2.0
21	6.0	4.0	-1.0	-1.0	2.0	4.0	3.0	1.0	5.0	8.0	4.0	3.0	4.0	5.0	2.0	2.0	1.0	-1.0	0.0	-2.0	-2.0	-1.0	-4.0	-5.0	1.5	8.0	-5.0
22	-5.0	-1.0	1.0	0.0	1.0	0.0	-1.0	-1.0	0.0	1.0	2.0	1.0	1.0	0.0	1.0	3.0	-1.0	0.0	1.0	-1.0	-3.0	-1.0	1.0	3.0	0.1	3.0	-5.0
23	4.0	4.0	4.0	3.0	2.0	1.0	2.0	3.0	3.0	2.0	1.0	-1.0	-4.0	-2.0	2.0	3.0	1.0	2.0	4.0	4.0	2.0	3.0	4.0	4.0	2.1	4.0	-4.0
24	5.0	3.0	2.0	6.0	6.0	4.0	4.0	4.0	-1.0	-1.0	2.0	3.0	3.0	3.0	4.0	4.0	3.0	2.0	2.0	3.0	1.0	1.0	1.0	2.0	2.8	6.0	-1.0
25	4.0	3.0	3.0	4.0	2.0	1.0	1.0	3.0	4.0	1.0	2.0	1.0	0.0	0.0	-1.0	2.0	1.0	1.0	6.0	7.0	3.0	5.0	7.0	7.0	2.8	7.0	-1.0
26	6.0	4.0	3.0	6.0	6.0	6.0	8.0	6.0	3.0	1.0	2.0	1.0	3.0	3.0	1.0	2.0	4.0	4.0	4.0	5.0	5.0	6.0	6.0	5.0	4.2	8.0	1.0
27	2.0	1.0	3.0	5.0	5.0	7.0	8.0	2.0	0.0	1.0	0.0	2.0	5.0	4.0	3.0	4.0	6.0	6.0	4.0	6.0	7.0	8.0	8.0	4.0	4.2	8.0	0.0
28	6.0	7.0	3.0	5.0	4.0	3.0	4.0	6.0	7.0	5.0	5.0	6.0	5.0	2.0	4.0	6.0	7.0	6.0	5.0	6.0	5.0	5.0	6.0	5.0	5.1	7.0	2.0
29	6.0	5.0	4.0	3.0	3.0	7.0	7.0	4.0	2.0	2.0	3.0	5.0	7.0	5.0	2.0	4.0	6.0	6.0	8.0	9.0	8.0	6.0	4.0	4.0	5.0	9.0	2.0
30	5.0	6.0	6.0	6.0	5.0	5.0	8.0	6.0	5.0	6.0	6.0	3.0	2.0	1.0	3.0	5.0	3.0	1.0	4.0	6.0	6.0	5.0	4.0	6.0	4.7	8.0	1.0
Avg	3.2	3.0	2.7	2.9	3.0	3.3	3.7	3.2	2.4	2.5	3.2	2.4	2.8	2.0	3.1	3.8	3.8	3.7	4.4	4.7	3.9	3.7	4.2	3.8	3.3	--	--
Max	6.0	7.0	7.0	9.0	7.0	7.0	8.0	6.0	10.0	19.0	23.0	13.0	16.0	9.0	18.0	13.0	10.0	9.0	10.0	9.0	11.0	8.0	15.0	8.0	--	23.0	--
Min	-5.0	-4.0	-2.0	-1.0	-1.0	-1.0	-4.0	-2.0	-3.0	-4.0	-3.0	-2.0	-4.0	-2.0	-2.0	-1.0	-1.0	-1.0	0.0	-2.0	-3.0	-2.0	-4.0	-5.0	--	--	-5.0

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

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Jul 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	-1.5	-1.7	-1.6	-1.7	-1.3	0.5	-0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-1.1	0.5	-1.7
2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-3.2	-0.7	-1.8	-1.3	-0.6	-0.9	-0.9	-0.5	-1.2	-0.5	-3.2
15	0.3	-0.1	0.1	0.0	-0.2	0.6	1.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1	1.0	0.5	1.7	-0.2
16	1.6	3.3	0.7	0.6	0.9	1.8	2.4	0.8	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.3	0.1	-0.1	-0.1	-0.1	0.0	0.1	0.1	-0.1	0.6	3.3	-0.1
17	-0.2	-0.2	0.6	0.7	1.3	3.1	2.5	2.0	1.3	1.7	0.2	-0.2	0.0	0.5	0.8	0.3	0.1	-0.1	0.3	1.8	1.8	0.6	0.1	0.2	0.8	3.1	-0.2
18	0.1	0.7	0.8	0.5	0.1	0.1	0.1	0.4	0.3	0.4	0.3	0.3	0.2	0.1	0.0	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	0.4	0.4	0.3	0.2	0.8	-0.3
19	0.1	-0.2	0.4	0.8	0.6	0.4	0.7	3.3	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.4	0.4	0.3	0.2	0.1	0.4	1.1	1.5	1.7	0.8	3.3	-0.2
20	1.9	2.0	1.9	2.1	2.2	2.7	1.6	1.1	1.6	1.0	0.7	0.6	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.5	0.6	0.7	0.7	1.1	2.7	0.2
21	1.5	0.8	1.6	1.0	0.5	1.2	1.3	1.2	1.0	1.0	0.6	0.3	0.3	0.1	0.1	-0.1	-0.1	0.0	-0.3	-0.3	0.3	0.4	0.6	0.3	0.6	1.6	-0.3
22	0.2	0.7	0.4	0.1	-0.4	-0.4	-0.3	-0.4	0.1	-0.1	0.3	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.3	-0.4	-0.4	-0.5	-0.6	-0.2	0.0	-0.1	0.7	-0.6
23	0.2	-0.3	-0.3	-0.2	0.0	0.2	0.8	0.3	0.2	0.3	0.4	0.1	0.1	-0.2	--	--	-4.4	-4.7	-4.9	-5.0	-5.0	-4.4	-3.9	-4.3	-1.6	0.8	-5.0
24	-4.3	-4.5	-4.5	-4.4	-4.2	-3.9	-3.4	--	-0.7	-0.5	-0.5	-0.7	-0.7	-0.8	-0.9	-1.0	-1.2	-1.2	-1.2	-1.1	-1.1	-1.0	-0.8	-0.4	-1.9	-0.4	-4.5
25	-0.4	-0.5	-0.7	-0.7	-0.4	-0.6	-0.2	2.0	1.4	0.7	-0.6	-0.9	-1.0	-1.1	-1.4	-1.3	-1.1	-1.1	-1.2	-1.0	-1.0	-1.1	-1.3	-1.3	-0.6	2.0	-1.4
26	-1.2	-1.3	-1.3	-1.1	-0.7	-1.2	0.7	0.9	-1.1	-1.3	-1.4	-1.4	-1.5	-1.5	-1.5	-1.3	-1.2	-1.4	-1.5	-1.5	-1.4	-1.6	-1.6	-1.6	-1.2	0.9	-1.6
27	-1.6	-1.0	-1.3	-1.4	-1.3	-0.7	-0.4	0.0	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.4	-1.4	-1.4	-1.6	-1.6	-1.5	-0.7	-0.7	-1.3	-1.1	0.0	-1.6
28	-1.4	-1.1	-0.5	-0.2	-1.0	-0.8	-1.0	-0.7	-0.8	-0.8	-1.0	-1.1	-1.0	-1.1	-1.1	-1.1	-1.0	-1.2	-1.2	-0.7	0.0	0.8	0.0	0.7	-0.7	0.8	-1.4
29	1.0	1.8	1.6	0.9	2.3	1.9	1.8	3.1	1.9	0.7	-0.1	-0.1	-0.1	-0.3	-0.5	-0.7	-0.6	-0.9	-0.7	-0.9	-0.5	0.4	-0.2	1.0	0.5	3.1	-0.9
30	0.6	-0.4	-0.5	0.2	1.8	0.3	0.7	0.8	0.8	0.7	-0.2	-0.2	-0.1	-0.2	-0.4	-0.4	-0.7	-1.0	-1.0	-1.2	-0.7	-0.9	0.7	0.2	0.0	1.8	-1.2
31	0.8	0.8	0.3	0.6	1.1	1.4	4.8	1.5	1.7	0.8	-0.1	-0.1	-0.1	0.0	-0.3	-0.9	-0.3	-0.1	-0.1	0.2	-0.2	0.3	1.2	-0.3	0.5	4.8	-0.9
Avg	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.7	1.1	0.5	0.3	-0.1	-0.2	-0.2	-0.3	-0.3	-0.5	-0.9	-0.8	-0.9	-0.8	-0.6	-0.4	-0.2	-0.2	-0.1	--	--
Max	1.9	3.3	1.9	2.1	2.3	3.1	4.8	3.3	1.9	1.7	1.1	0.9	0.8	0.7	0.8	0.5	0.5	0.3	0.3	1.8	1.8	1.1	1.5	1.7	--	4.8	--
Min	-4.3	-4.5	-4.5	-4.4	-4.2	-3.9	-3.4	-0.7	-1.1	-1.3	-1.4	-1.4	-1.5	-1.5	-1.5	-1.4	-4.4	-4.7	-4.9	-5.0	-5.0	-4.4	-3.9	-4.3	--	--	-5.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Aug 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	0.2	0.2	-0.4	-0.9	0.6	0.1	-0.1	0.3	0.2	-0.1	-0.1	-0.3	-0.2	-0.4	-0.5	-0.6	-0.9	-1.0	-1.0	-0.9	-0.5	0.2	-0.6	-0.3	0.6	-1.0
2	-0.4	-0.7	0.1	-0.9	-0.6	-0.6	0.2	1.8	0.2	-0.2	0.0	-0.5	-0.7	-0.9	-0.9	-1.0	-1.1	-1.0	-1.3	-1.2	-1.0	-0.8	-0.2	-0.5	-0.5	1.8	-1.3
3	-0.4	-0.6	-1.1	-0.7	-0.2	-0.5	0.5	1.3	-0.1	-0.1	-0.5	-0.8	-0.8	-1.0	-1.1	-1.2	-1.3	-1.3	-1.3	-1.1	-0.8	-0.9	-0.7	0.0	-0.6	1.3	-1.3
4	-1.4	-1.2	-1.2	-0.9	-0.6	2.7	0.9	1.5	-0.2	-0.3	-0.5	-1.0	-1.2	-1.1	-1.2	-1.2	-1.1	-1.3	-1.2	-1.2	-0.2	0.5	-1.0	0.3	-0.5	2.7	-1.4
5	-0.2	-1.2	-1.3	-1.2	-0.9	-1.2	-1.3	--	--	-2.0	-2.1	-2.5	-2.6	-2.6	-2.5	-2.3	-2.4	-2.3	-2.2	-2.3	-2.1	-2.2	-1.9	-1.7	-1.9	-0.2	-2.6
6	-2.1	-2.0	-2.3	-2.3	-2.4	-2.4	-2.3	-1.8	-2.1	-2.1	-2.2	-2.4	-2.6	-2.5	-2.4	-2.3	-2.5	-2.6	-2.8	-2.9	-2.0	-2.0	-2.8	-2.5	-2.3	-1.8	-2.9
7	-2.1	-2.2	-2.8	-3.0	-3.0	-2.5	-2.6	-2.2	-1.7	-1.9	-2.0	-2.3	-2.4	-2.4	-1.9	-1.9	-1.8	-1.0	-1.1	-0.9	-0.5	-0.9	2.4	1.8	-1.6	2.4	-3.0
8	1.1	-0.6	-1.4	-1.7	-2.3	-2.2	-1.8	-0.5	-0.5	-1.3	-1.7	-1.7	-1.8	-2.0	-2.1	-2.1	-2.3	-2.6	-2.8	-2.8	-2.5	-2.1	-1.7	-1.5	-1.7	1.1	-2.8
9	-0.5	-0.3	-1.2	0.4	-0.6	-1.4	-1.3	-1.7	-1.8	-1.5	-1.2	-1.5	-1.9	-2.1	-2.3	-2.4	-2.5	-2.6	-2.8	-2.8	-2.8	-2.7	-2.7	-2.2	-1.8	0.4	-2.8
10	-2.6	-2.8	-2.9	-2.5	-2.2	-2.0	-1.7	--	--	-2.0	-0.3	-2.1	-2.3	-2.5	-2.8	-2.9	-3.0	-3.3	-3.9	-3.3	-3.5	-1.7	-0.8	-2.2	-2.4	-0.3	-3.9
11	-1.7	-3.0	-3.0	-2.7	-2.5	-2.3	0.1	-2.3	-2.4	-2.5	-2.4	-2.9	-2.8	-2.4	-2.7	-3.2	-2.8	-3.1	-3.1	-3.1	-2.2	-1.5	-2.1	-3.0	-2.5	0.1	-3.2
12	-2.7	-2.6	-2.8	-2.7	-2.8	-2.4	-1.8	-0.6	1.9	2.5	2.3	2.6	2.0	1.9	2.2	1.7	1.3	1.2	1.0	1.0	1.5	3.0	2.1	1.8	0.5	3.0	-2.8
13	2.2	4.0	4.2	2.5	2.0	2.3	2.6	2.3	2.0	3.7	2.8	1.4	1.2	1.3	1.5	1.1	0.9	0.9	0.8	0.6	2.3	1.9	1.7	1.2	2.0	4.2	0.6
14	2.8	4.3	4.0	3.0	2.9	4.7	4.0	3.0	3.7	2.8	2.2	1.4	1.6	1.3	1.2	1.3	1.4	1.1	1.2	1.9	1.1	1.2	2.5	2.9	2.4	4.7	1.1
15	2.2	1.4	1.6	2.7	2.3	1.4	2.0	2.4	1.8	2.2	1.7	1.6	1.7	1.7	1.4	1.2	1.1	1.0	0.9	1.0	1.4	1.3	1.3	1.5	1.6	2.7	0.9
16	1.2	1.4	1.6	1.4	1.2	1.0	1.1	1.5	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.5	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.3	1.6	1.0
17	1.6	1.8	1.2	0.9	0.9	0.9	1.0	1.4	1.9	1.6	1.8	1.6	--	-0.8	0.2	0.5	0.5	0.4	0.3	0.6	1.0	0.7	0.0	-0.1	0.9	1.9	-0.8
18	-0.1	-0.4	-0.2	-0.4	-0.3	-0.5	0.0	0.1	0.1	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.8	0.7	0.3	0.5	0.7	0.8	0.7	0.2	0.2	0.8	-0.5
19	0.1	0.1	-0.3	-0.5	-0.5	-0.5	-0.3	0.0	0.2	0.9	0.4	0.2	0.1	0.1	0.1	0.1	0.0	-0.1	0.0	0.7	0.8	0.7	0.5	0.2	0.1	0.9	-0.5
20	0.1	1.2	1.6	1.0	0.3	0.7	0.0	0.3	0.2	0.4	0.5	0.3	0.1	0.1	0.2	0.0	-0.1	-0.2	-0.3	-0.3	-0.2	-0.2	0.1	0.1	0.2	1.6	-0.3
21	0.1	1.3	0.1	0.1	0.1	0.3	0.4	0.2	0.4	0.5	0.4	0.4	0.2	0.5	0.2	0.2	-0.1	-0.1	-0.3	-0.3	0.3	0.7	2.6	1.1	0.4	2.6	-0.3
22	0.5	-0.2	-0.2	-0.2	-0.4	-0.5	-0.5	0.0	0.0	0.2	0.3	0.2	0.2	0.1	0.0	-0.1	-0.2	-0.2	-0.2	-0.1	-0.2	0.5	0.4	0.3	0.0	0.5	-0.5
23	0.4	1.9	0.7	0.3	0.5	0.6	1.9	0.4	0.3	0.5	1.1	1.4	0.8	0.4	0.3	0.1	0.1	0.3	0.6	1.4	1.2	1.2	1.7	0.7	0.8	1.9	0.1
24	1.5	2.2	0.6	1.8	1.3	0.8	0.6	0.9	0.9	0.9	0.9	0.6	0.9	0.6	0.5	0.5	0.0	0.2	-0.2	0.1	0.5	0.4	0.5	-0.1	0.7	2.2	-0.2
25	0.4	0.5	0.8	0.5	0.7	0.7	0.9	1.2	0.5	0.9	1.2	0.8	0.6	0.4	0.9	0.2	0.6	1.2	1.3	2.5	1.5	0.5	0.5	0.5	0.8	2.5	0.2
26	0.5	0.7	0.4	0.6	0.8	0.7	0.9	1.5	1.6	2.0	0.9	0.5	0.5	1.0	0.7	0.3	0.1	-0.2	-0.3	0.5	0.3	0.5	0.6	0.4	0.6	2.0	-0.3
27	2.3	2.7	2.6	2.4	2.6	2.7	3.1	2.7	1.1	1.0	1.4	1.0	0.8	0.7	--	-2.0	-2.0	-1.7	-1.3	-0.8	-0.5	1.2	0.9	-0.2	0.9	3.1	-2.0
28	-0.6	-0.4	-1.6	-1.9	-1.9	-1.9	--	--	-0.7	-1.1	-1.4	-1.0	-1.5	-1.7	-1.9	-2.1	-2.1	-2.2	-2.4	-2.0	-1.8	-1.7	-2.0	-0.5	-1.6	-0.4	-2.4
29	-0.6	1.0	0.1	0.4	0.7	0.7	0.7	1.5	-0.1	-1.1	-1.5	-1.5	-1.6	-2.0	-1.7	-1.0	-1.6	-1.3	-2.1	-1.9	-2.2	-1.1	-0.8	0.6	-0.7	1.5	-2.2
30	0.3	-0.2	-1.3	-1.1	-1.4	-1.2	-1.6	-1.5	-1.7	-2.0	-2.1	-2.0	-2.0	-2.3	-2.3	-2.4	-2.5	-2.7	-2.8	-2.8	-2.4	-1.8	-1.6	-0.6	-1.7	0.3	-2.8
31	-1.2	0.0	2.6	3.4	1.6	1.9	1.2	0.9	-0.6	-0.9	-1.7	-2.0	-2.2	-2.2	-2.3	-2.3	-2.6	-2.7	-2.7	-2.3	-2.0	-2.2	-2.2	-2.0	-0.9	3.4	-2.7
Avg	0.0	0.2	0.0	-0.1	-0.2	0.0	0.2	0.5	0.2	0.1	0.0	-0.3	-0.5	-0.5	-0.6	-0.7	-0.8	-0.8	-0.9	-0.7	-0.5	-0.2	0.0	-0.1	-0.2	--	--
Max	2.8	4.3	4.2	3.4	2.9	4.7	4.0	3.0	3.7	3.7	2.8	2.6	2.0	1.9	2.2	1.7	1.5	1.3	1.3	2.5	2.3	3.0	2.6	2.9	--	4.7	--
Min	-2.7	-3.0	-3.0	-3.0	-3.0	-2.5	-2.6	-2.3	-2.4	-2.5	-2.4	-2.9	-2.8	-2.6	-2.8	-3.2	-3.0	-3.3	-3.9	-3.3	-3.5	-2.7	-2.8	-3.0	--	--	-3.9

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, NO2_ppb"
Month: Sep 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	-1.5	-1.0	-1.8	0.8	-1.3	-0.6	-0.7	-1.1	-0.9	-1.6	-1.6	-0.9	-1.4	-1.5	-1.7	-2.0	-2.2	-2.3	-2.1	-2.1	1.1	0.5	-0.2	-1.2	1.1	-2.3
2	-1.9	-2.2	-2.2	-2.4	-2.6	-2.6	-1.8	5.3	0.0	-0.5	-1.1	-1.5	-1.8	-2.1	-2.3	-2.0	-2.7	-2.5	-1.9	-2.2	0.7	0.6	-0.8	-0.7	-1.3	5.3	-2.7
3	-1.5	-1.7	-1.6	-1.6	-0.8	-0.7	0.1	0.0	-0.6	-1.3	-1.7	-1.9	-2.3	-2.2	-2.0	-2.2	-2.0	-1.7	-2.1	-2.0	-1.6	-1.7	-1.2	-1.3	-1.5	0.1	-2.3
4	-1.4	-1.8	-0.8	0.4	0.1	-1.5	0.1	-0.1	-0.4	-1.3	-0.7	-1.7	-1.7	-2.0	-2.2	-2.2	-2.5	-2.2	-2.5	-2.3	-2.1	-1.4	-1.0	-1.1	-1.3	0.4	-2.5
5	-1.2	-0.4	-0.8	-1.7	-1.9	-0.8	-1.1	-0.4	0.3	-1.8	-0.2	-0.8	-2.3	-2.2	-2.1	-2.0	-2.0	-2.3	-2.5	-0.9	-0.7	2.4	-0.7	-1.6	-1.2	2.4	-2.5
6	-0.9	-1.6	-2.0	-2.2	-2.1	-2.2	-1.8	-1.2	-2.0	-1.8	-1.4	-1.8	-1.8	-2.0	-2.1	-2.4	-2.6	-2.7	-3.0	-2.9	-2.6	-2.4	-2.5	-2.2	-2.1	-0.9	-3.0
7	-1.6	-2.4	-2.5	-2.2	-2.2	-2.0	-1.1	-0.2	-1.4	-1.4	-1.7	-1.9	-1.8	-2.2	-2.3	-2.2	-2.3	-2.7	-2.8	-2.7	-2.1	-2.2	-1.9	-1.9	-2.0	-0.2	-2.8
8	-1.7	-2.2	-2.5	-2.4	-2.0	-1.7	-0.9	0.0	-0.3	-1.7	-1.5	-1.2	-1.3	-1.9	-1.7	-1.9	-2.1	-2.3	-2.4	-2.4	-2.5	-2.5	-2.5	-2.1	-1.8	0.0	-2.5
9	-1.9	-2.2	-2.4	-2.3	-1.9	0.2	0.8	0.2	-0.3	-0.5	-1.3	-1.4	-2.0	-2.0	-2.1	-2.2	-2.2	-2.3	-2.2	-1.9	-1.5	-0.7	0.1	-1.0	-1.4	0.8	-2.4
10	-1.5	-1.2	-0.7	-0.8	-1.0	-0.2	1.8	0.2	0.4	0.0	-1.5	-1.1	-1.2	-0.9	-1.0	-1.6	-2.1	-2.3	-2.4	-2.4	-1.9	-2.0	-1.5	-1.2	-1.1	1.8	-2.4
11	-1.6	-1.1	-2.1	-2.2	-1.3	0.7	0.2	-0.6	-0.8	-1.3	-1.2	-1.5	-1.5	-1.6	-1.7	-1.9	-2.0	-2.3	-2.4	-2.4	-2.4	-2.5	-2.3	-1.7	-1.6	0.7	-2.5
12	-1.4	-1.9	-1.4	-1.2	-1.3	-0.7	0.3	1.4	-0.8	-0.4	-1.5	-1.9	-1.9	-1.8	-2.1	-2.4	-2.5	-2.4	-2.1	-1.7	-1.8	-2.2	-2.1	-2.1	-1.5	1.4	-2.5
13	-2.0	-1.8	-1.8	-1.8	-1.1	-0.7	-1.1	2.4	-0.4	-0.8	-1.2	-1.4	-1.4	-1.7	-1.9	-2.1	-2.2	-2.4	-2.3	-2.3	-1.9	-1.9	-0.8	-1.1	-1.4	2.4	-2.4
14	-2.3	-2.6	-1.5	-1.3	-1.6	-0.9	-0.7	0.9	-0.2	-1.3	-1.6	-1.5	-1.8	-1.8	-2.1	-2.4	-2.3	-2.6	-2.1	-1.1	-1.7	-2.6	-2.5	-2.8	-1.7	0.9	-2.8
15	-2.8	-2.6	-2.6	-2.4	-2.0	-2.2	-2.3	-2.1	-2.1	-2.2	-2.2	-2.1	-2.2	-2.0	-2.3	-2.2	-2.6	-2.9	-2.9	-3.0	-2.9	-2.9	-2.9	-2.9	-2.5	-2.0	-3.0
16	-2.9	-2.7	-2.8	-2.9	-2.8	-2.9	--	--	--	-0.3	-0.7	-0.9	-0.6	-0.9	-0.9	-0.9	-1.0	-1.2	-1.4	-1.5	-1.2	-0.9	-0.9	-0.7	-1.5	-0.3	-2.9
17	-1.2	-1.0	0.0	1.9	1.9	0.4	1.7	2.3	0.3	-0.4	-0.7	-0.9	-0.9	-0.9	-0.9	-0.8	-1.1	-1.3	-1.4	-1.4	-1.0	-1.0	-0.9	-0.7	-0.3	2.3	-1.4
18	-0.7	-0.5	-1.0	-1.0	-1.1	-0.9	-0.5	1.1	0.1	0.5	0.2	-0.7	-0.4	-0.7	-0.8	-0.9	-1.1	-1.2	-1.1	-1.1	-0.4	-0.3	-0.2	-0.9	-0.6	1.1	-1.2
19	-1.1	-1.3	-1.1	-0.9	-0.6	-0.3	-0.4	-0.4	-0.7	-0.9	-0.7	-0.9	-0.9	-1.0	-1.1	-1.1	-0.8	-0.7	-0.7	0.0	0.4	-0.7	-0.6	-0.6	-0.7	0.4	-1.3
20	-0.5	0.0	-0.1	-0.3	-0.3	-0.3	-0.1	-0.5	-0.5	-0.5	-0.3	-0.6	-0.3	-0.4	-0.8	-0.8	-1.0	-1.2	-1.3	-1.2	-0.9	-0.4	-0.5	-0.4	-0.5	0.0	-1.3
21	-0.8	-1.1	-0.6	-0.2	0.2	0.1	2.7	4.3	0.1	-0.1	1.0	-0.1	-0.2	0.0	-0.1	-0.3	-0.6	-0.7	-0.7	-0.9	-1.0	-0.9	-0.8	-0.6	-0.1	4.3	-1.1
22	-1.0	-1.0	-1.0	-1.1	-1.2	-1.0	0.2	0.7	2.1	-0.2	-0.5	-0.5	-0.8	-0.3	0.0	-0.3	-0.6	-1.0	-1.1	-0.3	-0.4	-0.1	0.3	1.2	-0.3	2.1	-1.2
23	2.1	0.9	0.6	0.1	-0.3	0.6	1.6	0.8	0.2	0.0	0.2	0.6	0.7	0.3	0.1	-0.1	-0.4	-0.6	-0.7	-0.6	-0.4	-0.1	0.3	0.1	0.2	2.1	-0.7
24	0.1	-0.3	-0.2	0.2	0.9	0.8	1.0	1.0	1.2	1.7	--	--	0.2	-0.3	-0.4	-0.2	-0.6	-0.6	0.4	0.4	0.1	-0.2	-0.2	6.0	0.5	6.0	-0.6
25	5.7	1.3	0.7	-0.5	0.1	-0.3	-0.6	0.4	-0.2	-0.4	-0.4	-0.5	-0.5	-0.4	-0.6	-0.8	-1.0	-1.2	-1.2	-1.0	-1.0	-0.9	-0.7	0.8	-0.1	5.7	-1.2
26	0.1	0.5	0.3	-0.1	-0.4	-0.3	-0.2	0.3	1.3	-0.4	-0.4	-0.6	-0.6	-0.2	-0.7	-0.6	-0.9	-0.8	0.3	1.4	0.3	-0.4	-0.8	-0.8	-0.2	1.4	-0.9
27	4.2	0.0	-0.5	1.1	0.0	-0.6	-0.1	0.7	0.5	-0.2	-0.5	-0.3	-0.4	-0.6	-0.9	-1.0	-1.2	-1.2	-1.3	-0.7	-1.2	-1.1	-1.1	-1.0	-0.3	4.2	-1.3
28	-0.7	1.1	0.4	-0.9	-0.2	-0.7	-0.8	1.9	3.1	1.5	0.5	-0.2	-0.5	-0.8	-0.6	-1.0	-0.9	-1.0	-0.9	-0.5	-0.1	0.2	0.5	0.5	0.0	3.1	-1.0
29	-0.8	0.4	1.5	-0.9	-0.8	-0.5	-0.1	5.0	1.7	0.2	0.5	-0.2	-0.3	-0.5	-0.5	-0.7	-0.8	-0.8	-0.4	-0.1	-0.3	-0.4	-0.4	-0.1	0.0	5.0	-0.9
30	-0.5	-0.5	-0.9	-1.0	-1.2	-0.6	3.5	4.4	0.4	0.8	-0.5	0.2	-0.1	-0.6	-0.7	-0.7	-1.2	-1.3	-1.3	0.4	-1.1	-1.1	0.6	-1.2	-0.2	4.4	-1.3
Avg	-0.8	-1.0	-1.0	-1.1	-0.9	-0.8	0.0	0.9	0.0	-0.5	-0.8	-1.0	-1.1	-1.2	-1.3	-1.4	-1.6	-1.7	-1.6	-1.3	-1.2	-1.0	-0.9	-0.7	-0.9	--	--
Max	5.7	1.3	1.5	1.9	1.9	0.8	3.5	5.3	3.1	1.7	1.0	0.6	0.7	0.3	0.1	-0.1	-0.4	-0.6	0.4	1.4	0.7	2.4	0.6	6.0	--	6.0	--
Min	-2.9	-2.7	-2.8	-2.9	-2.8	-2.9	-2.3	-2.1	-2.1	-2.2	-2.2	-2.1	-2.3	-2.2	-2.3	-2.4	-2.7	-2.9	-3.0	-3.0	-2.9	-2.9	-2.9	-2.9	--	--	-3.0

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Jul 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	0.3	0.3	0.2	-0.9	0.2	0.2	0.3	--	--	--	0.5	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.8	-0.9
2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6
3	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.6	1.7	1.8	1.5	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.8	1.8	0.5
4	0.6	0.7	0.6	0.6	0.7	0.7	1.9	1.5	0.9	1.1	1.3	1.1	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	1.3	1.0	0.9	1.9	0.6
5	0.8	0.8	0.7	0.7	0.8	0.7	0.7	1.1	1.1	1.3	0.7	0.6	0.5	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.2	1.1	0.8	1.3	0.5
6	0.7	0.6	0.6	0.7	1.6	1.5	1.5	1.2	1.0	0.9	1.1	0.9	0.8	0.8	0.6	0.5	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.8	1.6	0.5
7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.6
8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.6
9	0.6	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.1	0.5	0.7	0.7	0.6	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.1
10	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.6	--	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.6	0.7	0.5
11	0.6	0.7	0.6	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.9	1.1	1.0	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	1.1	0.6
12	0.6	0.5	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.9	1.2	0.7	0.9	0.6	1.5	0.7	1.5	0.5
13	8.5	8.1	4.7	3.2	1.2	3.3	1.0	0.7	0.6	0.6	0.7	0.9	0.8	1.1	0.9	0.7	0.7	0.8	0.9	0.6	0.6	0.7	0.7	0.7	1.8	8.5	0.6
14	0.6	0.6	0.7	2.2	3.3	1.4	0.9	1.2	1.1	1.3	0.8	1.0	1.3	1.6	1.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	1.1	3.3	0.6
15	0.6	1.3	2.0	1.0	2.0	1.4	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3	0.7	1.4	2.3	0.6
16	0.6	1.0	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.9	0.6	0.4	0.5	1.0	0.3
17	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	2.3	2.7	0.7	0.3	0.4	0.4	0.4	0.3	0.4	0.5	2.8	2.9	2.4	2.0	0.7	0.3	0.9	2.9	0.3
18	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.2
19	0.3	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.4	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.1
20	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.2
21	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.4	0.2
22	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.5	0.3	0.3	0.5	0.2
23	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0	0.1	0.3	0.3	--	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.0
24	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.0
25	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.1
26	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.2	0.1	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.1
27	0.3	0.3	0.3	0.3	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	0.3	0.1	0.3	0.4	0.3	0.4	0.1
28	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.4	0.2
29	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.8	1.2	1.0	0.3	0.5	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.6	1.5	1.5	0.5	1.5	0.2
30	1.2	0.3	0.9	2.6	3.3	1.3	0.6	0.6	1.4	0.6	0.2	0.2	0.1	0.2	0.4	0.4	0.3	0.4	0.5	0.4	0.3	0.2	0.3	0.2	0.7	3.3	0.1
31	0.2	0.3	0.2	0.2	1.2	3.6	2.2	2.1	4.4	0.9	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3	1.6	0.2	0.2	0.2	0.2	0.4	0.8	4.4	0.1
Avg	0.7	0.7	0.6	0.7	0.7	0.8	0.6	0.6	0.8	0.7	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	--	--
Max	8.5	8.1	4.7	3.2	3.3	3.6	2.2	2.1	4.4	2.7	1.8	1.5	1.3	1.6	1.5	0.8	0.8	0.8	2.8	2.9	2.4	2.0	2.3	1.5	--	8.5	--
Min	0.0	0.2	0.1	0.2	-0.9	0.2	0.2	0.1	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	--	--	-0.9

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Aug 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	1.6	5.0	4.0	0.8	1.9	1.8	2.7	2.6	2.7	0.7	0.7	1.3	0.8	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.8	0.7	0.7	1.4	5.0	0.4
2	1.9	1.1	0.6	0.4	1.5	2.6	2.2	2.1	1.2	0.5	0.4	0.5	0.5	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.8	2.6	0.2
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.3	0.3	0.4	0.3	0.3	0.4	0.2	0.3	0.7	0.2
4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.4	0.2
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	--	--	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.3	0.5	0.1
6	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.2
7	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.6	0.4	0.6	0.2
8	0.5	0.7	0.8	0.7	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	-0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.4	0.8	-0.2
9	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	1.1	2.1	1.6	1.2	1.3	1.1	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.6	2.1	0.3
10	0.2	0.3	0.3	0.3	0.4	0.4	0.4	--	--	0.2	2.3	2.1	1.1	0.7	0.7	0.6	0.5	0.4	0.5	0.7	0.5	0.6	0.6	0.4	0.6	2.3	0.2
11	0.5	0.4	0.3	0.3	0.3	0.5	0.4	0.5	0.9	0.7	0.9	0.3	0.3	0.5	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.9	0.3
12	0.7	1.6	0.7	1.3	0.9	1.3	0.5	0.4	0.4	0.6	1.2	2.4	0.3	0.3	0.3	0.3	0.3	0.3	1.1	0.6	0.5	0.5	0.4	0.4	0.7	2.4	0.3
13	1.5	0.9	0.8	1.0	0.6	0.3	0.3	0.6	1.1	2.5	5.1	0.6	0.5	0.5	0.7	0.8	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.9	5.1	0.3
14	0.3	0.3	0.3	0.3	1.1	1.5	2.0	3.7	9.2	5.2	6.7	1.0	0.7	0.6	0.6	0.3	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	1.5	9.2	0.3
15	0.4	0.8	1.8	2.8	1.8	0.9	0.9	0.7	0.4	0.4	0.4	0.7	1.5	1.4	1.1	1.0	0.8	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.8	2.8	0.3
16	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.2
17	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	--	0.0	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.0
18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	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	0.4	0.1
19	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.2	0.2	0.3	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.1
20	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2
21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.1
22	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.5	-0.1	0.1	0.2	0.5	-0.1
23	0.4	0.4	0.7	0.7	0.3	0.3	0.2	0.2	0.1	0.4	1.6	2.9	1.1	1.2	1.0	0.5	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.6	2.9	0.1
24	0.8	0.8	0.3	1.2	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.3	0.2	0.3	0.3	0.6	1.1	0.7	0.1	0.4	1.2	0.1
25	0.1	0.1	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.5	0.2	0.1	0.1	0.2	0.7	0.1
26	0.2	0.1	0.1	0.1	0.1	-0.5	1.4	1.8	0.9	0.7	0.3	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.5	1.3	0.6	0.7	0.6	0.4	1.8	-0.5
27	0.3	5.8	6.3	2.7	1.9	1.1	1.0	0.6	0.2	0.4	0.4	0.7	0.5	0.5	--	--	0.1	0.2	0.2	0.3	1.0	0.6	1.3	0.8	1.2	6.3	0.1
28	0.8	0.6	0.6	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.8	0.1
29	0.3	0.3	0.4	0.3	0.3	0.3	0.2	7.4	2.5	2.6	2.6	1.7	1.2	1.0	0.4	0.5	0.7	0.6	0.4	0.4	0.3	0.2	0.3	0.3	1.0	7.4	0.2
30	0.2	0.5	0.3	1.6	1.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.8	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.4	1.6	0.2
31	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.9	1.6	1.8	1.0	1.0	0.8	0.6	0.3	0.3	0.2	0.2	0.2	0.3	0.9	0.5	0.2	0.1	0.5	1.8	0.1
Avg	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.8	0.9	0.8	1.0	0.7	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.5	--	--
Max	2.2	5.8	6.3	4.0	1.9	2.6	2.2	7.4	9.2	5.2	6.7	2.9	1.5	1.4	1.1	1.0	0.8	0.6	1.1	0.7	1.3	1.1	1.3	0.8	--	9.2	--
Min	0.1	0.1	0.1	0.1	0.1	-0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	-0.2	0.2	0.1	0.2	0.2	-0.1	0.1	--	--	-0.5

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, SO2_ppb"
Month: Sep 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	0.2	0.7	0.5	0.2	0.4	0.4	0.4	0.3	0.5	0.7	0.3	0.2	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.9	0.4	0.9	0.2
2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.7	0.3	0.4	0.5	0.7	0.3	0.3	0.7	0.1
3	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.7	1.0	1.3	1.0	1.1	0.8	0.4	0.3	0.3	0.7	2.1	1.3	1.1	0.7	2.1	0.3
4	1.0	1.0	1.0	0.5	0.4	0.5	0.4	0.6	0.6	0.4	0.7	0.8	1.0	1.1	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	1.2	1.3	0.6	1.3	0.3
5	1.7	2.2	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.5	1.9	1.3	0.3	0.2	0.2	0.3	1.2	2.1	0.8	3.4	3.3	2.7	1.1	0.6	1.1	3.4	0.2
6	0.5	0.4	0.3	0.3	0.5	0.5	2.0	6.2	1.7	1.5	1.5	2.0	1.6	1.3	0.9	0.7	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.3	1.1	6.2	0.3
7	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.2	0.2	3.0	1.7	0.5	0.4	0.1	0.2	0.1	-0.1	-0.1	-0.1	-0.2	0.2	0.5	0.3	3.0	-0.2
8	0.4	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	1.3	1.6	1.1	0.9	0.6	0.3	0.2	0.2	0.1	0.0	0.0	0.0	-0.1	0.2	1.6	-0.2
9	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
10	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	-0.2	-0.2	-0.1	-0.2	-0.1	-0.1	-0.2
11	-0.2	-0.2	-0.1	-0.2	-0.1	0.1	1.3	0.1	0.1	0.8	1.1	0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	1.3	-0.2
12	-0.2	-0.2	-0.2	-0.2	-0.2	0.0	3.0	9.9	3.6	4.2	1.6	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.0	1.0	9.9	-0.2
13	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.1	1.2	1.4	1.3	1.5	1.8	0.9	0.3	0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.3	1.8	-0.1
14	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.8	2.0	0.4	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	2.0	-0.2
15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.2	-0.3	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.3
16	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	--	--	--	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.7	-0.2
17	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4
18	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	1.2	1.9	1.1	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	1.9	0.6
19	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.8	0.8	0.8	0.7	1.0	0.9	0.8	2.8	2.9	0.8	0.7	0.7	0.9	2.9	0.6
20	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.6
21	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	1.2	0.8	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	1.2	0.6
22	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6
23	0.7	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.7	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.8	0.5
24	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	--	--	0.7	0.8	0.9	1.2	2.4	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.8	2.4	0.6
25	0.6	0.7	0.7	0.6	0.6	0.6	0.7	0.6	2.2	0.8	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	2.2	0.6
26	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.9	1.0	1.5	1.0	0.8	0.7	0.7	0.7	0.7	0.6	0.7	1.5	0.6
27	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.7	1.3	1.3	1.2	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.8	1.3	0.6
28	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	5.4	7.6	3.3	1.3	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	1.4	7.6	0.6
29	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.7	0.8	0.8	1.3	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	1.3	0.7
30	0.7	0.7	0.7	0.7	0.6	0.7	0.6	1.0	2.7	1.3	0.7	0.9	0.8	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.9	2.7	0.6
Avg	0.4	0.4	0.4	0.3	0.3	0.4	0.6	0.9	0.7	0.8	0.9	0.9	0.7	0.7	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.5	0.6	--	--
Max	1.7	2.2	1.0	0.8	0.7	0.7	3.0	9.9	3.6	5.4	7.6	3.3	1.7	1.9	1.2	1.2	2.4	2.1	0.8	3.4	3.3	2.7	1.3	1.3	--	9.9	--
Min	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.1	-0.2	-0.2	-0.2	-0.2	--	--	-0.3

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Jul 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	0.046	0.047	0.047	0.047	0.049	0.050	0.053	0.057	0.062	0.064	0.065	0.067	0.067	0.067	0.067	0.065	0.062	0.059	0.056	0.054	0.053	0.053	0.052	0.051	0.057	0.067	0.046
2	0.050	0.050	0.050	0.051	0.053	0.055	0.058	0.061	0.064	0.067	0.069	0.071	0.071	0.070	0.068	0.064	0.062	0.059	0.056	0.054	0.052	0.051	0.051	0.051	0.059	0.071	0.050
3	0.050	0.049	0.048	0.046	0.046	0.047	0.049	0.051	0.054	0.058	0.061	0.066	0.069	0.070	0.071	0.070	0.067	0.064	0.061	0.057	0.052	0.049	0.047	0.045	0.056	0.071	0.045
4	0.044	0.045	0.046	0.048	0.050	0.053	0.055	0.057	0.058	0.059	0.060	0.059	0.057	0.054	0.052	0.051	0.050	0.049	0.047	0.047	0.046	0.045	0.044	0.041	0.051	0.060	0.041
5	0.039	0.038	0.037	0.037	0.036	0.036	0.038	0.039	0.041	0.042	0.042	0.043	0.043	0.044	0.044	0.043	0.042	0.041	0.040	0.039	0.037	0.037	0.036	0.036	0.040	0.044	0.036
6	0.037	0.038	0.039	0.040	0.043	0.044	0.046	0.048	0.051	0.053	0.056	0.058	0.059	0.059	0.058	0.056	0.054	0.051	0.047	0.043	0.039	0.036	0.035	0.032	0.047	0.059	0.032
7	0.031	0.031	0.032	0.033	0.034	0.036	0.038	0.040	0.042	0.043	0.044	0.045	0.046	0.047	0.047	0.047	0.046	0.045	0.044	0.042	0.040	0.037	0.035	0.033	0.040	0.047	0.031
8	0.031	0.030	0.030	0.030	0.030	0.032	0.033	0.036	0.037	0.038	0.039	0.038	0.038	0.037	0.036	0.034	0.033	0.032	0.030	0.030	0.029	0.028	0.028	0.028	0.033	0.039	0.028
9	0.027	0.027	0.027	0.028	0.028	0.028	0.029	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.029	0.028	0.028	0.027	0.026	0.029	0.031	0.026
10	0.026	0.026	0.025	0.026	0.026	0.026	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.026	0.026	0.025
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	0.047	0.047	0.048	0.051	0.052	0.053	0.054	0.055	0.053	0.053	0.052	0.051	0.049	0.047	0.044	0.042	0.041	0.039	0.037	0.035	0.033	0.032	0.030	0.045	0.055	0.030
15	0.030	0.030	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.038	0.038	0.038	0.037	0.035	0.038	0.030
16	0.038	0.038	0.038	0.037	0.037	0.037	0.037	0.038	0.038	0.039	0.039	0.041	0.042	0.042	0.043	0.043	0.043	0.041	0.039	0.036	0.034	0.032	0.029	0.027	0.038	0.043	0.027
17	0.026	0.026	0.026	0.028	0.029	0.031	0.033	0.035	0.037	0.038	0.038	0.039	0.039	0.038	0.039	0.039	0.039	0.039	0.039	0.038	0.037	0.037	0.038	0.038	0.035	0.039	0.026
18	0.038	0.038	0.038	0.039	0.040	0.041	0.041	0.042	0.042	0.043	0.042	0.042	0.041	0.040	0.039	0.038	0.037	0.036	0.035	0.035	0.035	0.034	0.034	0.033	0.038	0.043	0.033
19	0.033	0.033	0.034	0.034	0.035	0.037	0.039	0.042	0.045	0.047	0.049	0.051	0.053	0.055	0.056	0.055	0.053	0.051	0.048	0.045	0.042	0.039	0.034	0.032	0.044	0.056	0.032
20	0.032	0.032	0.033	0.034	0.036	0.037	0.040	0.041	0.043	0.046	0.048	0.049	0.051	0.052	0.053	0.053	0.052	0.050	0.048	0.045	0.043	0.040	0.038	0.035	0.043	0.053	0.032
21	0.034	0.034	0.034	0.034	0.035	0.035	0.037	0.038	0.039	0.040	0.041	0.041	0.042	0.043	0.044	0.044	0.044	0.045	0.044	0.042	0.040	0.038	0.035	0.035	0.039	0.045	0.034
22	0.034	0.032	0.032	0.033	0.033	0.034	0.034	0.035	0.034	0.034	0.034	0.034	0.034	0.034	0.033	0.033	0.032	0.032	0.031	0.030	0.028	0.027	0.026	0.025	0.032	0.035	0.025
23	0.024	0.024	0.024	0.025	0.026	0.026	0.027	0.028	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.028	0.028	0.028	0.028	0.029	0.029	0.030	0.029	0.029	0.028	0.030	0.024
24	0.029	0.029	0.029	0.029	0.030	0.031	0.032	0.033	0.035	0.037	0.039	0.040	0.042	0.043	0.043	0.044	0.042	0.041	0.039	0.037	0.035	0.033	0.032	0.030	0.036	0.044	0.029
25	0.029	0.028	0.028	0.029	0.030	0.031	0.032	0.033	0.035	0.038	0.041	0.043	0.044	0.045	0.045	0.045	0.045	0.043	0.041	0.039	0.037	0.035	0.033	0.031	0.037	0.045	0.028
26	0.030	0.029	0.030	0.031	0.032	0.033	0.034	0.035	0.037	0.038	0.038	0.038	0.038	0.038	0.037	0.037	0.036	0.034	0.033	0.031	0.030	0.030	0.029	0.028	0.034	0.038	0.028
27	0.027	0.027	0.027	0.028	0.029	0.030	0.031	0.033	0.034	0.035	0.036	0.037	0.038	0.040	0.041	0.043	0.043	0.043	0.042	0.040	0.038	0.036	0.033	0.031	0.035	0.043	0.027
28	0.029	0.029	0.029	0.030	0.031	0.032	0.033	0.034	0.036	0.038	0.040	0.042	0.045	0.048	0.050	0.050	0.049	0.048	0.046	0.044	0.040	0.036	0.034	0.033	0.039	0.050	0.029
29	0.031	0.031	0.033	0.036	0.038	0.042	0.045	0.049	0.052	0.054	0.054	0.054	0.053	0.051	0.050	0.049	0.047	0.046	0.045	0.044	0.042	0.041	0.040	0.038	0.044	0.054	0.031
30	0.037	0.036	0.036	0.038	0.040	0.042	0.044	0.047	0.050	0.052	0.054	0.055	0.055	0.055	0.054	0.052	0.051	0.049	0.047	0.046	0.044	0.043	0.041	0.041	0.046	0.055	0.036
31	0.040	0.041	0.042	0.043	0.045	0.047	0.049	0.051	0.053	0.054	0.054	0.054	0.054	0.054	0.052	0.050	0.048	0.046	0.045	0.043	0.040	0.038	0.036	0.035	0.046	0.054	0.035
Avg	0.034	0.034	0.035	0.036	0.037	0.038	0.040	0.042	0.044	0.045	0.046	0.047	0.047	0.048	0.047	0.046	0.045	0.044	0.042	0.041	0.039	0.037	0.036	0.034	0.041	0.048	0.034
Max	0.050	0.050	0.050	0.051	0.053	0.055	0.058	0.061	0.064	0.067	0.069	0.071	0.071	0.070	0.071	0.070	0.067	0.064	0.061	0.057	0.053	0.053	0.052	0.051	0.060	0.071	0.050
Min	0.024	0.024	0.024	0.025	0.026	0.026	0.027	0.028	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.028	0.028	0.028	0.028	0.029	0.028	0.027	0.026	0.025	0.027	0.029	0.024

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Aug 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	0.043	0.044	0.045	0.045	0.046	0.048	0.051	0.052	0.054	0.056	0.057	0.060	0.060	0.060	0.059	0.058	0.057	0.056	0.054	0.051	0.051	0.050	0.050	0.052	0.060	0.042
2	0.049	0.049	0.050	0.051	0.051	0.051	0.051	0.052	0.052	0.053	0.054	0.054	0.055	0.055	0.055	0.054	0.054	0.052	0.051	0.049	0.048	0.046	0.045	0.044	0.051	0.055	0.044
3	0.042	0.041	0.040	0.039	0.038	0.039	0.039	0.041	0.043	0.045	0.048	0.050	0.053	0.056	0.057	0.057	0.056	0.055	0.053	0.050	0.046	0.042	0.039	0.036	0.046	0.057	0.036
4	0.033	0.033	0.032	0.033	0.033	0.035	0.037	0.039	0.042	0.044	0.047	0.050	0.051	0.052	0.052	0.052	0.051	0.050	0.048	0.046	0.044	0.042	0.041	0.041	0.043	0.052	0.032
5	0.040	0.040	0.040	0.041	0.042	0.044	0.046	0.048	0.052	0.054	0.056	0.059	0.061	0.062	0.062	0.062	0.060	0.056	0.053	0.049	0.045	0.042	0.040	0.038	0.050	0.062	0.038
6	0.037	0.036	0.035	0.036	0.038	0.039	0.041	0.042	0.043	0.044	0.045	0.046	0.047	0.047	0.048	0.048	0.048	0.049	0.048	0.048	0.048	0.047	0.046	0.045	0.044	0.049	0.035
7	0.044	0.044	0.043	0.043	0.044	0.044	0.045	0.046	0.048	0.049	0.049	0.049	0.049	0.048	0.048	0.046	0.043	0.041	0.040	0.039	0.039	0.039	0.038	0.039	0.044	0.049	0.038
8	0.039	0.039	0.040	0.040	0.041	0.041	0.041	0.042	0.044	0.046	0.046	0.046	0.047	0.047	0.047	0.046	0.045	0.043	0.041	0.039	0.037	0.035	0.034	0.033	0.042	0.047	0.033
9	0.033	0.034	0.035	0.036	0.039	0.041	0.043	0.044	0.046	0.046	0.047	0.047	0.047	0.046	0.046	0.046	0.045	0.046	0.046	0.047	0.047	0.047	0.048	0.049	0.044	0.049	0.033
10	0.049	0.049	0.048	0.049	0.050	0.051	0.053	0.055	0.058	0.058	0.059	0.060	0.060	0.060	0.059	0.058	0.056	0.054	0.052	0.051	0.049	0.047	0.046	0.044	0.053	0.060	0.044
11	0.044	0.044	0.044	0.044	0.045	0.046	0.048	0.050	0.051	0.052	0.053	0.054	0.055	0.054	0.053	0.051	0.049	0.048	0.046	0.044	0.042	0.041	0.040	0.040	0.047	0.055	0.040
12	0.040	0.039	0.039	0.039	0.040	0.040	0.041	0.042	0.043	0.044	0.044	0.045	0.045	0.045	0.044	0.043	0.043	0.042	0.041	0.039	0.038	0.037	0.036	0.036	0.041	0.045	0.036
13	0.035	0.035	0.036	0.038	0.039	0.040	0.042	0.044	0.046	0.048	0.049	0.050	0.051	0.051	0.051	0.050	0.049	0.047	0.045	0.043	0.041	0.040	0.038	0.037	0.043	0.051	0.035
14	0.036	0.036	0.038	0.040	0.041	0.043	0.046	0.048	0.050	0.051	0.052	0.052	0.052	0.052	0.052	0.051	0.050	0.048	0.047	0.046	0.045	0.043	0.042	0.042	0.046	0.052	0.036
15	0.042	0.043	0.044	0.045	0.047	0.049	0.052	0.054	0.057	0.058	0.059	0.061	0.062	0.063	0.062	0.060	0.059	0.058	0.056	0.054	0.051	0.048	0.047	0.045	0.053	0.063	0.042
16	0.045	0.044	0.043	0.042	0.042	0.043	0.044	0.045	0.047	0.051	0.054	0.057	0.059	0.061	0.062	0.063	0.062	0.059	0.056	0.052	0.050	0.047	0.046	0.045	0.051	0.063	0.042
17	0.044	0.044	0.044	0.045	0.045	0.045	0.045	0.044	0.047	0.051	0.056	0.059	0.061	0.062	0.060	0.058	0.055	0.051	0.048	0.045	0.043	0.042	0.040	0.040	0.049	0.062	0.040
18	0.039	0.040	0.039	0.039	0.039	0.039	0.040	0.042	0.044	0.049	0.055	0.057	0.059	0.059	0.058	0.057	0.054	0.048	0.042	0.038	0.036	0.035	0.034	0.033	0.045	0.059	0.033
19	0.033	0.033	0.034	0.035	0.036	0.037	0.038	0.040	0.042	0.045	0.048	0.051	0.056	0.059	0.060	0.059	0.058	0.056	0.053	0.048	0.043	0.038	0.035	0.033	0.044	0.060	0.033
20	0.031	0.030	0.030	0.030	0.030	0.031	0.032	0.033	0.035	0.037	0.039	0.041	0.042	0.043	0.045	0.045	0.045	0.044	0.043	0.043	0.042	0.041	0.040	0.039	0.038	0.045	0.030
21	0.038	0.036	0.035	0.034	0.033	0.033	0.034	0.035	0.037	0.039	0.042	0.044	0.045	0.047	0.048	0.049	0.048	0.047	0.046	0.044	0.042	0.040	0.038	0.037	0.041	0.049	0.033
22	0.036	0.036	0.036	0.036	0.036	0.037	0.038	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.045	0.046	0.046	0.045	0.044	0.044	0.043	0.042	0.042	0.040	0.041	0.046	0.036
23	0.040	0.039	0.040	0.040	0.041	0.043	0.044	0.046	0.047	0.048	0.048	0.048	0.047	0.046	0.045	0.045	0.044	0.043	0.041	0.041	0.040	0.040	0.040	0.041	0.043	0.048	0.039
24	0.041	0.043	0.045	0.046	0.049	0.050	0.052	0.053	0.054	0.055	0.056	0.057	0.057	0.057	0.056	0.055	0.054	0.053	0.052	0.051	0.050	0.050	0.049	0.049	0.051	0.057	0.041
25	0.048	0.048	0.049	0.049	0.050	0.051	0.051	0.052	0.053	0.054	0.054	0.053	0.052	0.051	0.051	0.050	0.050	0.049	0.049	0.048	0.048	0.047	0.046	0.045	0.050	0.054	0.045
26	0.044	0.043	0.043	0.044	0.045	0.047	0.048	0.050	0.052	0.053	0.055	0.056	0.055	0.054	0.053	0.052	0.051	0.050	0.048	0.047	0.046	0.046	0.045	0.045	0.049	0.056	0.043
27	0.044	0.045	0.047	0.048	0.050	0.052	0.054	0.055	0.057	0.057	0.056	0.054	0.051	0.049	0.045	0.044	0.044	0.042	0.041	0.040	0.039	0.038	0.038	0.038	0.047	0.057	0.038
28	0.039	0.039	0.041	0.043	0.045	0.047	0.049	0.051	0.053	0.055	0.056	0.058	0.059	0.061	0.061	0.061	0.061	0.060	0.058	0.056	0.054	0.051	0.050	0.048	0.052	0.061	0.039
29	0.046	0.046	0.046	0.047	0.049	0.050	0.053	0.054	0.055	0.055	0.055	0.054	0.054	0.053	0.052	0.052	0.051	0.051	0.050	0.049	0.048	0.047	0.046	0.044	0.050	0.055	0.044
30	0.044	0.044	0.044	0.045	0.046	0.048	0.049	0.051	0.053	0.054	0.055	0.056	0.056	0.055	0.054	0.053	0.051	0.049	0.046	0.043	0.039	0.037	0.035	0.034	0.048	0.056	0.034
31	0.033	0.033	0.034	0.036	0.039	0.040	0.043	0.045	0.047	0.048	0.049	0.049	0.050	0.051	0.051	0.051	0.051	0.050	0.049	0.048	0.046	0.045	0.043	0.042	0.045	0.051	0.033
Avg	0.040	0.040	0.041	0.041	0.042	0.043	0.045	0.046	0.048	0.050	0.051	0.052	0.053	0.053	0.053	0.052	0.051	0.050	0.048	0.046	0.044	0.043	0.042	0.041	0.047	0.053	0.040
Max	0.049	0.049	0.050	0.051	0.051	0.052	0.054	0.055	0.058	0.058	0.059	0.061	0.062	0.063	0.062	0.063	0.062	0.060	0.058	0.056	0.054	0.051	0.050	0.050	0.056	0.063	0.049
Min	0.031	0.030	0.030	0.030	0.030	0.031	0.032	0.033	0.035	0.037	0.039	0.041	0.042	0.043	0.044	0.043	0.043	0.041	0.040	0.038	0.036	0.035	0.034	0.033	0.036	0.044	0.030

SAROAD for Resolution, East_Plant, rolling 8-hour average
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Sep 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	0.046	0.045	0.045	0.046	0.047	0.049	0.050	0.052	0.054	0.055	0.056	0.056	0.055	0.054	0.052	0.049	0.048	0.046	0.045	0.043	0.042	0.041	0.041	0.041	0.048	0.056	0.041
2	0.038	0.037	0.036	0.036	0.036	0.037	0.038	0.039	0.042	0.043	0.045	0.045	0.045	0.044	0.043	0.042	0.042	0.041	0.040	0.040	0.039	0.040	0.040	0.040	0.040	0.045	0.036
3	0.039	0.039	0.040	0.040	0.040	0.041	0.042	0.043	0.044	0.045	0.045	0.045	0.046	0.046	0.046	0.047	0.046	0.046	0.046	0.045	0.044	0.042	0.042	0.041	0.043	0.047	0.039
4	0.040	0.040	0.040	0.041	0.043	0.045	0.046	0.048	0.050	0.051	0.051	0.051	0.051	0.050	0.049	0.047	0.045	0.043	0.040	0.038	0.036	0.034	0.033	0.033	0.044	0.051	0.033
5	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.032	0.032	0.033	0.033	0.034	0.035	0.034	0.033	0.032	0.030	0.029	0.028	0.027	0.026	0.026	0.027	0.027	0.031	0.035	0.026
6	0.028	0.028	0.029	0.031	0.032	0.034	0.035	0.036	0.037	0.038	0.038	0.037	0.036	0.036	0.037	0.037	0.037	0.036	0.036	0.037	0.036	0.036	0.035	0.035	0.035	0.038	0.028
7	0.034	0.034	0.035	0.035	0.036	0.037	0.038	0.039	0.041	0.043	0.043	0.044	0.043	0.042	0.042	0.041	0.040	0.039	0.038	0.037	0.037	0.037	0.036	0.036	0.039	0.044	0.034
8	0.035	0.034	0.034	0.034	0.035	0.036	0.037	0.039	0.042	0.044	0.047	0.048	0.048	0.048	0.048	0.048	0.047	0.046	0.045	0.044	0.044	0.043	0.042	0.040	0.042	0.048	0.034
9	0.039	0.039	0.038	0.038	0.039	0.040	0.042	0.044	0.046	0.048	0.050	0.050	0.052	0.052	0.052	0.052	0.051	0.050	0.049	0.047	0.045	0.043	0.041	0.039	0.045	0.052	0.038
10	0.037	0.036	0.036	0.036	0.036	0.037	0.039	0.041	0.043	0.044	0.045	0.045	0.045	0.045	0.043	0.042	0.040	0.039	0.038	0.038	0.039	0.039	0.039	0.038	0.040	0.045	0.036
11	0.038	0.039	0.040	0.040	0.041	0.042	0.045	0.048	0.052	0.054	0.056	0.057	0.057	0.058	0.058	0.057	0.055	0.053	0.051	0.049	0.048	0.046	0.045	0.043	0.049	0.058	0.038
12	0.043	0.043	0.044	0.046	0.047	0.049	0.050	0.052	0.053	0.053	0.054	0.054	0.054	0.053	0.052	0.052	0.051	0.051	0.050	0.049	0.048	0.048	0.047	0.045	0.049	0.054	0.043
13	0.044	0.043	0.044	0.046	0.047	0.050	0.052	0.054	0.057	0.059	0.059	0.059	0.058	0.057	0.056	0.054	0.052	0.050	0.049	0.046	0.044	0.043	0.041	0.040	0.050	0.059	0.040
14	0.038	0.037	0.037	0.038	0.040	0.041	0.043	0.045	0.047	0.048	0.048	0.048	0.047	0.046	0.044	0.042	0.040	0.038	0.036	0.035	0.033	0.032	0.032	0.032	0.040	0.048	0.032
15	0.032	0.032	0.032	0.032	0.033	0.033	0.032	0.032	0.032	0.032	0.031	0.030	0.030	0.029	0.028	0.027	0.026	0.025	0.024	0.024	0.023	0.023	0.022	0.021	0.029	0.033	0.021
16	0.021	--	--	--	--	--	--	0.026	0.027	0.027	0.028	0.028	0.029	0.029	0.029	0.028	0.027	0.026	0.025	0.024	0.023	0.021	0.020	0.019	0.025	0.029	0.019
17	0.018	0.017	0.017	0.017	0.018	0.018	0.018	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.025	0.025	0.025	0.025	0.024	0.025	0.025	0.026	0.026	0.027	0.022	0.027	0.017
18	0.027	0.028	0.029	0.030	0.030	0.031	0.031	0.031	0.032	0.032	0.033	0.033	0.035	0.035	0.036	0.037	0.037	0.037	0.036	0.035	0.034	0.034	0.034	0.035	0.033	0.037	0.027
19	0.035	0.035	0.036	0.037	0.037	0.037	0.037	0.037	0.038	0.038	0.038	0.038	0.037	0.036	0.036	0.035	0.034	0.033	0.032	0.031	0.031	0.030	0.030	0.030	0.035	0.038	0.030
20	0.029	0.030	0.031	0.032	0.033	0.034	0.035	0.037	0.039	0.040	0.041	0.042	0.043	0.043	0.043	0.042	0.041	0.040	0.039	0.037	0.035	0.033	0.032	0.030	0.037	0.043	0.029
21	0.028	0.027	0.027	0.027	0.026	0.027	0.028	0.029	0.031	0.032	0.033	0.034	0.034	0.034	0.034	0.034	0.033	0.032	0.031	0.031	0.031	0.030	0.030	0.030	0.031	0.034	0.026
22	0.029	0.028	0.028	0.028	0.027	0.027	0.027	0.028	0.030	0.031	0.032	0.032	0.032	0.032	0.032	0.032	0.031	0.030	0.028	0.027	0.027	0.026	0.025	0.024	0.029	0.032	0.024
23	0.024	0.025	0.026	0.028	0.030	0.033	0.035	0.039	0.042	0.045	0.048	0.050	0.052	0.054	0.054	0.054	0.054	0.053	0.052	0.050	0.048	0.046	0.044	0.043	0.043	0.054	0.024
24	0.041	0.039	0.038	0.038	0.037	0.038	0.040	0.042	0.045	0.047	0.049	0.048	0.048	0.047	0.046	0.045	0.044	0.043	0.042	0.041	0.040	0.040	0.039	0.039	0.042	0.049	0.037
25	0.038	0.038	0.039	0.040	0.040	0.041	0.042	0.043	0.044	0.045	0.046	0.046	0.046	0.047	0.047	0.047	0.046	0.046	0.045	0.045	0.045	0.045	0.045	0.045	0.044	0.047	0.038
26	0.046	0.047	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.050	0.050	0.050	0.049	0.048	0.047	0.047	0.046	0.045	0.044	0.043	0.043	0.043	0.043	0.043	0.047	0.050	0.043
27	0.042	0.042	0.043	0.044	0.045	0.046	0.047	0.048	0.049	0.050	0.050	0.050	0.050	0.050	0.050	0.049	0.048	0.048	0.046	0.045	0.045	0.044	0.044	0.044	0.047	0.050	0.042
28	0.042	0.042	0.042	0.043	0.043	0.044	0.045	0.045	0.047	0.049	0.050	0.051	0.052	0.055	0.056	0.057	0.057	0.057	0.055	0.053	0.052	0.049	0.046	0.044	0.049	0.057	0.042
29	0.041	0.040	0.040	0.041	0.042	0.043	0.044	0.045	0.048	0.050	0.051	0.053	0.054	0.056	0.057	0.059	0.059	0.059	0.059	0.058	0.056	0.055	0.053	0.051	0.051	0.059	0.040
30	0.049	0.049	0.048	0.048	0.048	0.048	0.048	0.048	0.049	0.050	0.050	0.050	0.049	0.049	0.048	0.048	0.048	0.047	0.045	0.043	0.042	0.041	0.040	0.038	0.047	0.050	0.038
Avg	0.036	0.036	0.036	0.037	0.038	0.038	0.040	0.040	0.042	0.043	0.044	0.044	0.045	0.044	0.044	0.044	0.043	0.042	0.041	0.040	0.039	0.038	0.037	0.036	0.040	0.046	0.033
Max	0.049	0.049	0.048	0.048	0.049	0.050	0.052	0.054	0.057	0.059	0.059	0.059	0.058	0.058	0.058	0.059	0.059	0.059	0.059	0.058	0.056	0.055	0.053	0.051	0.051	0.059	0.043
Min	0.018	0.017	0.017	0.017	0.018	0.018	0.018	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.025	0.025	0.025	0.025	0.024	0.024	0.023	0.021	0.020	0.019	0.022	0.027	0.017

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Jul 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	0.045	0.046	0.049	0.049	0.047	0.043	0.046	0.047	--	--	0.053	0.055	0.056	0.060	0.068	0.079	0.076	0.074	0.067	0.059	0.057	0.056	0.054	0.053	0.056	0.079	0.043
2	0.053	0.052	0.052	0.051	0.050	0.049	0.048	0.049	0.051	0.055	0.058	0.062	0.067	0.072	0.074	0.076	0.074	0.072	0.070	0.066	0.057	0.051	0.049	0.053	0.059	0.076	0.048
3	0.053	0.051	0.052	0.052	0.050	0.050	0.045	0.044	0.044	0.043	0.044	0.052	0.058	0.060	0.065	0.068	0.071	0.075	0.078	0.076	0.068	0.065	0.057	0.049	0.057	0.078	0.043
4	0.047	0.046	0.044	0.044	0.043	0.043	0.042	0.047	0.052	0.053	0.060	0.062	0.065	0.060	0.058	0.057	0.057	0.058	0.051	0.048	0.047	0.043	0.050	0.048	0.051	0.065	0.042
5	0.047	0.045	0.045	0.043	0.038	0.032	0.031	0.035	0.037	0.039	0.039	0.041	0.040	0.041	0.045	0.045	0.045	0.044	0.044	0.043	0.044	0.043	0.038	0.034	0.041	0.047	0.031
6	0.037	0.034	0.037	0.032	0.040	0.035	0.040	0.039	0.044	0.046	0.048	0.050	0.051	0.053	0.057	0.057	0.060	0.072	0.061	0.060	0.053	0.044	0.042	0.040	0.047	0.072	0.032
7	0.038	0.033	0.030	0.029	0.034	0.029	0.025	0.033	0.037	0.038	0.039	0.041	0.043	0.045	0.044	0.048	0.048	0.046	0.047	0.049	0.048	0.044	0.042	0.043	0.040	0.049	0.025
8	0.043	0.036	0.034	0.032	0.027	0.026	0.023	0.029	0.032	0.033	0.035	0.038	0.038	0.039	0.041	0.040	0.039	0.038	0.034	0.034	0.032	0.030	0.029	0.029	0.034	0.043	0.023
9	0.029	0.028	0.028	0.029	0.028	0.026	0.025	0.025	0.028	0.030	0.032	0.030	0.030	0.032	0.032	0.031	0.032	0.031	0.031	0.031	0.031	0.030	0.029	0.029	0.029	0.032	0.025
10	0.030	0.030	0.025	0.025	0.026	0.022	0.021	0.028	0.028	0.029	0.030	--	--	--	--	--	--	--	--	--	--	--	--	--	0.027	0.030	0.021
11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	0.037	0.046	0.047	0.049	0.048	0.053	0.050	0.058	0.056	0.056	0.056	0.060	0.050	0.038	--	0.048	0.047	0.047	0.042	0.037	0.033	0.048	0.060	0.033
15	0.030	0.031	0.031	0.031	0.032	0.030	0.025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034	0.036	0.031	0.036	0.025
16	0.038	0.037	0.042	0.041	0.038	0.035	0.032	0.038	0.038	0.040	0.037	0.036	0.038	0.038	0.037	0.039	0.044	0.047	0.049	0.044	0.041	0.042	0.040	0.035	0.039	0.049	0.032
17	0.030	0.031	0.027	0.026	0.025	0.021	0.020	0.026	0.031	0.034	0.040	0.041	0.039	0.037	0.037	0.038	0.038	0.039	0.041	0.040	0.038	0.038	0.039	0.038	0.034	0.041	0.020
18	0.040	0.036	0.035	0.035	0.039	0.039	0.040	0.039	0.040	0.041	0.042	0.043	0.043	0.043	0.043	0.044	0.042	0.037	0.037	0.038	0.036	0.034	0.036	0.034	0.039	0.044	0.034
19	0.033	0.035	0.036	0.034	0.032	0.033	0.030	0.032	0.035	0.037	0.041	0.043	0.047	0.050	0.052	0.052	0.054	0.056	0.058	0.056	0.058	0.063	0.045	0.037	0.044	0.063	0.030
20	0.036	0.034	0.033	0.031	0.030	0.026	0.031	0.035	0.036	0.041	0.043	0.043	0.042	0.046	0.046	0.050	0.057	0.055	0.055	0.055	0.054	0.050	0.047	0.045	0.042	0.057	0.026
21	0.040	0.038	0.034	0.033	0.033	0.030	0.030	0.033	0.037	0.040	0.039	0.038	0.038	0.039	0.040	0.042	0.045	0.047	0.042	0.044	0.045	0.050	0.039	0.043	0.039	0.050	0.030
22	0.048	0.039	0.028	0.027	0.030	0.031	0.033	0.036	0.036	0.035	0.033	0.033	0.034	0.035	0.035	0.033	0.032	0.033	0.036	0.035	0.032	0.031	0.031	0.029	0.034	0.048	0.027
23	0.027	0.026	0.025	0.024	0.024	0.023	0.022	0.024	0.026	0.027	0.029	0.030	0.031	0.031	0.030	0.029	0.028	0.028	0.028	0.027	0.025	0.029	0.029	0.029	0.027	0.031	0.022
24	0.030	0.031	0.030	0.030	0.029	0.027	0.026	0.027	0.030	0.031	0.034	0.035	0.035	0.037	0.039	0.044	0.041	0.044	0.049	0.047	0.041	0.042	0.040	0.035	0.036	0.049	0.026
25	0.031	0.029	0.030	0.030	0.030	0.030	0.028	0.024	0.025	0.030	0.035	0.036	0.037	0.038	0.038	0.042	0.050	0.053	0.048	0.047	0.044	0.041	0.039	0.037	0.036	0.053	0.024
26	0.036	0.034	0.032	0.030	0.028	0.029	0.024	0.024	0.033	0.041	0.040	0.036	0.036	0.036	0.035	0.040	0.045	0.041	0.040	0.036	0.032	0.031	0.031	0.031	0.034	0.045	0.024
27	0.032	0.030	0.028	0.027	0.026	0.025	0.024	--	--	0.031	0.034	0.034	0.032	0.033	0.035	0.038	0.040	0.043	0.044	0.042	0.042	0.046	0.046	0.041	0.035	0.046	0.024
28	0.037	0.035	0.029	0.026	0.027	0.026	0.028	0.029	0.032	0.034	0.035	0.034	0.036	0.036	0.039	0.045	0.048	0.051	0.050	0.059	0.059	0.049	0.040	0.039	0.038	0.059	0.026
29	0.036	0.034	0.033	0.032	0.028	0.028	0.030	0.027	0.038	0.048	0.053	0.055	0.056	0.057	0.056	0.051	0.054	0.051	0.048	0.048	0.047	0.045	0.046	0.041	0.043	0.057	0.027
30	0.041	0.043	0.038	0.034	0.036	0.038	0.035	0.034	0.035	0.042	0.049	0.052	0.054	0.055	0.056	0.055	0.056	0.055	0.054	0.053	0.052	0.052	0.041	0.044	0.046	0.056	0.034
31	0.041	0.040	0.042	0.040	0.042	0.041	0.036	0.042	0.044	0.049	0.053	0.055	0.056	0.056	0.056	0.057	0.053	0.049	0.050	0.053	0.055	0.044	0.039	0.042	0.047	0.057	0.036
Avg	0.038	0.036	0.035	0.034	0.034	0.033	0.032	0.034	0.037	0.039	0.042	0.044	0.045	0.046	0.047	0.048	0.049	0.050	0.048	0.048	0.046	0.044	0.040	0.039	0.041	--	--
Max	0.053	0.052	0.052	0.052	0.050	0.050	0.049	0.049	0.053	0.055	0.060	0.062	0.067	0.072	0.074	0.079	0.076	0.075	0.078	0.076	0.068	0.065	0.057	0.053	--	0.079	--
Min	0.027	0.026	0.025	0.024	0.024	0.021	0.020	0.024	0.025	0.027	0.029	0.030	0.030	0.031	0.030	0.029	0.028	0.028	0.028	0.027	0.025	0.029	0.029	0.029	--	--	0.020

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Aug 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	0.041	0.040	0.043	0.046	0.045	0.040	0.040	0.043	0.044	0.049	0.050	0.051	0.053	0.056	0.059	0.059	0.058	0.060	0.064	0.069	0.059	0.056	0.050	0.052	0.051	0.069	0.040
2	0.050	0.047	0.047	0.052	0.052	0.051	0.048	0.046	0.051	0.053	0.055	0.054	0.052	0.051	0.052	0.052	0.055	0.059	0.060	0.057	0.054	0.051	0.045	0.047	0.052	0.060	0.045
3	0.046	0.047	0.049	0.045	0.041	0.041	0.035	0.034	0.036	0.038	0.040	0.041	0.044	0.045	0.048	0.051	0.054	0.058	0.062	0.065	0.063	0.057	0.049	0.044	0.047	0.065	0.034
4	0.042	0.039	0.037	0.036	0.033	0.029	0.026	0.026	0.035	0.036	0.040	0.042	0.043	0.044	0.047	0.050	0.053	0.055	0.062	0.055	0.051	0.046	0.045	0.042	0.042	0.062	0.026
5	0.042	0.042	0.042	0.040	0.037	0.039	0.040	0.041	--	--	0.047	0.046	0.049	0.052	0.056	0.064	0.068	0.070	0.070	0.061	0.057	0.054	0.051	0.046	0.051	0.070	0.037
6	0.044	0.042	0.035	0.033	0.033	0.035	0.036	0.035	0.038	0.039	0.042	0.045	0.046	0.045	0.046	0.046	0.046	0.049	0.048	0.048	0.048	0.050	0.049	0.048	0.043	0.050	0.033
7	0.049	0.046	0.046	0.046	0.043	0.041	0.041	0.042	0.044	0.045	0.046	0.047	0.047	0.046	0.053	0.053	0.051	0.047	0.049	0.045	0.040	0.045	0.035	0.035	0.045	0.053	0.035
8	0.034	0.038	0.041	0.042	0.042	0.042	0.040	0.032	0.035	0.042	0.048	0.045	0.045	0.043	0.045	0.047	0.049	0.048	0.049	0.048	0.048	0.043	0.038	0.037	0.043	0.049	0.032
9	0.032	0.034	0.034	0.029	0.032	0.033	0.031	0.036	0.041	0.043	0.047	0.050	0.049	0.046	0.045	0.046	0.046	0.048	0.049	0.047	0.045	0.044	0.042	0.044	0.041	0.050	0.029
10	0.049	0.052	0.051	0.050	0.049	0.047	0.049	0.045	--	--	0.052	0.057	0.057	0.058	0.059	0.063	0.062	0.062	0.061	0.059	0.058	0.051	0.048	0.047	0.054	0.063	0.045
11	0.047	0.048	0.047	0.044	0.042	0.042	0.038	0.044	0.046	0.049	0.049	0.050	0.052	0.054	0.054	0.053	0.054	0.056	0.058	0.058	0.049	0.042	0.038	0.041	0.048	0.058	0.038
12	0.042	0.041	0.042	0.042	0.040	0.038	0.035	0.038	0.039	0.040	0.043	0.044	0.045	0.043	0.044	0.045	0.045	0.046	0.047	0.046	0.042	0.038	0.039	0.041	0.042	0.047	0.035
13	0.040	0.035	0.034	0.035	0.035	0.034	0.033	0.035	0.039	0.044	0.048	0.043	0.045	0.048	0.050	0.051	0.054	0.054	0.053	0.052	0.047	0.045	0.044	0.046	0.043	0.054	0.033
14	0.039	0.036	0.036	0.036	0.036	0.031	0.033	0.039	0.043	0.048	0.052	0.049	0.050	0.051	0.051	0.053	0.054	0.056	0.054	0.051	0.050	0.050	0.043	0.042	0.045	0.056	0.031
15	0.043	0.045	0.045	0.039	0.040	0.042	0.041	0.042	0.048	0.052	0.054	0.056	0.060	0.062	0.062	0.060	0.059	0.063	0.065	0.068	0.065	0.054	0.050	0.048	0.053	0.068	0.039
16	0.049	0.050	0.047	0.047	0.044	0.040	0.040	0.041	0.042	0.043	0.044	0.045	0.047	0.048	0.051	0.057	0.069	0.069	0.067	0.065	0.062	0.060	0.057	0.051	0.051	0.069	0.040
17	0.043	0.040	0.041	0.042	0.044	0.047	0.049	0.048	0.042	0.042	0.043	0.045	0.046	--	--	0.066	0.067	0.067	0.064	0.059	0.052	0.048	0.044	0.040	0.049	0.067	0.040
18	0.036	0.041	0.042	0.042	0.040	0.038	0.037	0.038	0.038	0.039	0.040	0.040	0.043	0.045	0.049	0.059	0.080	0.080	0.063	0.051	0.044	0.042	0.040	0.036	0.046	0.080	0.036
19	0.032	0.030	0.031	0.034	0.034	0.034	0.034	0.034	0.035	0.037	0.039	0.040	0.043	0.046	0.047	0.051	0.056	0.061	0.065	0.076	0.070	0.051	0.043	0.040	0.044	0.076	0.030
20	0.039	0.036	0.032	0.030	0.029	0.027	0.029	0.029	0.029	0.031	0.032	0.033	0.035	0.037	0.039	0.045	0.046	0.046	0.046	0.045	0.044	0.046	0.043	0.041	0.037	0.046	0.027
21	0.040	0.038	0.044	0.041	0.039	0.035	0.032	0.031	0.030	0.030	0.032	0.036	0.040	0.041	0.043	0.046	0.048	0.049	0.049	0.048	0.053	0.051	0.045	0.045	0.041	0.053	0.030
22	0.037	0.037	0.037	0.035	0.034	0.037	0.038	0.036	0.036	0.035	0.037	0.039	0.040	0.042	0.043	0.044	0.045	0.047	0.047	0.047	0.044	0.045	0.046	0.043	0.040	0.047	0.034
23	0.044	0.038	0.042	0.042	0.040	0.038	0.032	0.041	0.042	0.043	0.044	0.050	0.052	0.049	0.048	0.046	0.050	0.046	0.045	0.044	0.043	0.042	0.043	0.043	0.044	0.052	0.032
24	0.037	0.035	0.043	0.037	0.039	0.044	0.048	0.048	0.051	0.052	0.053	0.054	0.053	0.054	0.058	0.059	0.058	0.057	0.058	0.058	0.052	0.050	0.051	0.051	0.050	0.059	0.035
25	0.050	0.049	0.049	0.050	0.049	0.048	0.046	0.046	0.051	0.053	0.054	0.054	0.054	0.054	0.054	0.055	0.056	0.049	0.049	0.047	0.046	0.050	0.051	0.051	0.051	0.056	0.046
26	0.049	0.046	0.044	0.043	0.042	0.043	0.043	0.042	0.043	0.045	0.049	0.054	0.056	0.056	0.056	0.056	0.055	0.056	0.057	0.051	0.049	0.047	0.045	0.049	0.049	0.057	0.042
27	0.044	0.043	0.046	0.048	0.045	0.044	0.043	0.043	0.050	0.054	0.060	0.059	0.061	0.061	--	--	0.050	0.048	0.045	0.044	0.044	0.039	0.038	0.040	0.048	0.061	0.038
28	0.041	0.036	0.038	0.038	0.037	0.037	0.039	0.041	0.047	0.050	0.052	0.054	0.053	0.054	0.055	0.058	0.062	0.063	0.063	0.067	0.064	0.057	0.058	0.055	0.051	0.067	0.036
29	0.051	0.050	0.050	0.047	0.046	0.043	0.041	0.043	0.048	0.054	0.056	0.058	0.060	0.060	0.055	0.049	0.052	0.049	0.053	0.053	0.055	0.053	0.050	0.046	0.051	0.060	0.041
30	0.047	0.046	0.046	0.044	0.042	0.043	0.041	0.042	0.046	0.050	0.052	0.054	0.055	0.054	0.056	0.058	0.056	0.056	0.057	0.055	0.051	0.047	0.044	0.039	0.049	0.058	0.039
31	0.041	0.034	0.031	0.029	0.033	0.030	0.032	0.032	0.041	0.047	0.048	0.046	0.046	0.048	0.050	0.051	0.050	0.051	0.052	0.054	0.053	0.051	0.051	0.049	0.044	0.054	0.029
Avg	0.042	0.041	0.042	0.041	0.040	0.039	0.038	0.039	0.042	0.044	0.047	0.048	0.049	0.050	0.051	0.053	0.055	0.056	0.056	0.055	0.052	0.048	0.046	0.044	0.047	--	--
Max	0.051	0.052	0.051	0.052	0.052	0.051	0.049	0.048	0.051	0.054	0.060	0.059	0.061	0.062	0.062	0.066	0.080	0.080	0.070	0.076	0.070	0.060	0.058	0.055	--	0.080	--
Min	0.032	0.030	0.031	0.029	0.029	0.027	0.026	0.026	0.029	0.030	0.032	0.033	0.035	0.037	0.039	0.044	0.045	0.046	0.045	0.044	0.040	0.038	0.035	0.035	--	--	0.026

-- Indicates Invalid Data

SAROAD for Resolution, East_Plant
"Component, Channel: TableAmbient_Hourly, O3_ppm"
Month: Sep 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	0.054	0.051	0.045	0.046	0.043	0.045	0.044	0.044	0.046	0.050	0.053	0.054	0.055	0.057	0.058	0.057	0.057	0.057	0.053	0.050	0.046	0.039	0.034	0.043	0.049	0.058	0.034
2	0.046	0.044	0.040	0.043	0.041	0.040	0.034	0.021	0.033	0.038	0.040	0.044	0.045	0.047	0.046	0.041	0.047	0.049	0.044	0.043	0.035	0.036	0.039	0.039	0.041	0.049	0.021
3	0.041	0.042	0.041	0.040	0.038	0.038	0.037	0.036	0.041	0.045	0.044	0.044	0.045	0.045	0.045	0.046	0.044	0.045	0.049	0.050	0.049	0.045	0.045	0.042	0.043	0.050	0.036
4	0.045	0.045	0.040	0.039	0.039	0.043	0.036	0.038	0.042	0.047	0.048	0.052	0.052	0.050	0.052	0.053	0.050	0.049	0.051	0.049	0.047	0.042	0.036	0.035	0.045	0.053	0.035
5	0.033	0.029	0.032	0.033	0.034	0.034	0.032	0.031	0.031	0.033	0.028	0.029	0.033	0.034	0.035	0.036	0.036	0.037	0.036	0.030	0.028	0.026	0.025	0.027	0.032	0.037	0.025
6	0.026	0.026	0.027	0.027	0.028	0.029	0.029	0.030	0.032	0.034	0.037	0.041	0.040	0.038	0.038	0.036	0.036	0.034	0.034	0.035	0.040	0.040	0.039	0.037	0.034	0.041	0.026
7	0.033	0.034	0.035	0.033	0.034	0.035	0.034	0.032	0.035	0.039	0.041	0.041	0.042	0.041	0.043	0.046	0.048	0.045	0.042	0.038	0.036	0.038	0.039	0.037	0.038	0.048	0.032
8	0.036	0.037	0.037	0.037	0.035	0.034	0.032	0.031	0.030	0.035	0.039	0.042	0.045	0.046	0.047	0.051	0.052	0.052	0.050	0.047	0.045	0.044	0.044	0.042	0.041	0.052	0.030
9	0.042	0.044	0.046	0.044	0.041	0.033	0.030	0.033	0.038	0.041	0.046	0.048	0.049	0.050	0.050	0.051	0.053	0.051	0.053	0.056	0.054	0.050	0.047	0.045	0.046	0.056	0.030
10	0.045	0.042	0.040	0.039	0.037	0.033	0.028	0.035	0.037	0.037	0.042	0.042	0.044	0.047	0.047	0.048	0.047	0.045	0.044	0.042	0.038	0.037	0.035	0.035	0.040	0.048	0.028
11	0.036	0.037	0.048	0.046	0.039	0.032	0.032	0.037	0.042	0.046	0.049	0.050	0.051	0.054	0.059	0.062	0.064	0.059	0.057	0.054	0.054	0.054	0.052	0.047	0.048	0.064	0.032
12	0.046	0.046	0.043	0.041	0.041	0.043	0.040	0.045	0.048	0.053	0.054	0.053	0.053	0.054	0.053	0.055	0.054	0.056	0.055	0.049	0.046	0.051	0.050	0.051	0.049	0.056	0.040
13	0.051	0.045	0.047	0.046	0.044	0.039	0.040	0.038	0.047	0.054	0.058	0.059	0.062	0.059	0.058	0.059	0.060	0.061	0.056	0.052	0.050	0.050	0.042	0.042	0.051	0.062	0.038
14	0.050	0.047	0.038	0.035	0.038	0.037	0.033	0.030	0.038	0.044	0.048	0.049	0.050	0.051	0.046	0.045	0.047	0.049	0.046	0.042	0.041	0.033	0.031	0.032	0.042	0.051	0.030
15	0.032	0.032	0.033	0.032	0.032	0.032	0.032	0.031	0.033	0.035	0.033	0.033	0.032	0.029	0.032	0.032	0.030	0.028	0.027	0.026	0.026	0.025	0.024	0.022	0.030	0.035	0.022
16	0.023	0.023	0.023	0.022	0.020	0.018	--	--	--	0.023	0.024	0.025	0.028	0.026	0.029	0.032	0.029	0.030	0.029	0.028	0.027	0.025	0.024	0.023	0.025	0.032	0.018
17	0.023	0.022	0.020	0.017	0.016	0.017	0.013	0.015	0.020	0.022	0.021	0.020	0.018	0.018	0.020	0.024	0.028	0.026	0.026	0.027	0.026	0.024	0.023	0.023	0.021	0.028	0.013
18	0.024	0.024	0.027	0.030	0.030	0.028	0.028	0.028	0.033	0.032	0.034	0.030	0.033	0.030	0.030	0.031	0.033	0.040	0.041	0.041	0.039	0.036	0.033	0.035	0.032	0.041	0.024
19	0.032	0.031	0.031	0.037	0.038	0.038	0.036	0.036	0.037	0.036	0.038	0.038	0.038	0.039	0.038	0.037	0.039	0.037	0.035	0.034	0.033	0.034	0.031	0.030	0.036	0.039	0.030
20	0.030	0.029	0.028	0.029	0.031	0.030	0.029	0.030	0.032	0.035	0.036	0.038	0.041	0.042	0.043	0.042	0.043	0.044	0.045	0.046	0.042	0.038	0.037	0.037	0.036	0.046	0.028
21	0.036	0.034	0.031	0.028	0.026	0.028	0.022	0.022	0.029	0.031	0.027	0.028	0.032	0.033	0.034	0.036	0.037	0.036	0.034	0.033	0.032	0.031	0.031	0.029	0.031	0.037	0.022
22	0.031	0.030	0.031	0.031	0.031	0.030	0.025	0.024	0.025	0.027	0.029	0.029	0.030	0.031	0.033	0.033	0.033	0.034	0.033	0.028	0.030	0.033	0.030	0.026	0.030	0.034	0.024
23	0.023	0.023	0.023	0.024	0.026	0.025	0.023	0.025	0.030	0.034	0.038	0.042	0.045	0.048	0.049	0.050	0.053	0.057	0.058	0.059	0.056	0.053	0.048	0.049	0.040	0.059	0.023
24	0.049	0.046	0.041	0.044	0.041	0.038	0.035	0.033	0.034	0.038	--	--	0.050	0.049	0.050	0.048	0.049	0.048	0.045	0.044	0.041	0.043	0.043	0.041	0.043	0.050	0.033
25	0.039	0.039	0.038	0.039	0.037	0.039	0.038	0.038	0.040	0.044	0.044	0.045	0.045	0.046	0.046	0.047	0.047	0.047	0.047	0.047	0.046	0.046	0.047	0.043	0.043	0.047	0.037
26	0.042	0.043	0.045	0.048	0.049	0.048	0.046	0.046	0.048	0.050	0.051	0.050	0.050	0.050	0.049	0.051	0.051	0.050	0.046	0.044	0.043	0.044	0.045	0.044	0.047	0.051	0.042
27	0.044	0.041	0.041	0.039	0.043	0.045	0.043	0.041	0.044	0.047	0.049	0.050	0.051	0.050	0.050	0.050	0.051	0.051	0.051	0.049	0.049	0.047	0.044	0.045	0.046	0.051	0.039
28	0.045	0.043	0.043	0.046	0.042	0.043	0.043	0.035	0.039	0.045	0.050	0.050	0.047	0.047	0.049	0.050	0.053	0.056	0.058	0.060	0.064	0.060	0.056	0.052	0.049	0.064	0.035
29	0.049	0.044	0.042	0.045	0.042	0.040	0.039	0.029	0.040	0.047	0.050	0.048	0.049	0.050	0.050	0.051	0.053	0.058	0.063	0.062	0.062	0.061	0.060	0.055	0.049	0.063	0.029
30	0.055	0.054	0.053	0.051	0.047	0.048	0.045	0.042	0.048	0.049	0.050	0.051	0.048	0.049	0.049	0.049	0.050	0.051	0.051	0.045	0.046	0.046	0.048	0.048	0.049	0.055	0.042
Avg	0.039	0.038	0.037	0.037	0.036	0.035	0.034	0.033	0.037	0.040	0.041	0.042	0.043	0.044	0.044	0.045	0.046	0.046	0.045	0.044	0.042	0.041	0.039	0.039	0.040	--	--
Max	0.055	0.054	0.053	0.051	0.049	0.048	0.046	0.046	0.048	0.054	0.058	0.059	0.062	0.059	0.059	0.062	0.064	0.061	0.063	0.062	0.064	0.061	0.060	0.055	--	0.064	--
Min	0.023	0.022	0.020	0.017	0.016	0.017	0.013	0.015	0.020	0.022	0.021	0.020	0.018	0.018	0.020	0.024	0.028	0.026	0.026	0.026	0.026	0.024	0.023	0.022	--	--	0.013

-- 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: 2 Jul 15 Time: 13:27 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)		215.67	247	*
Direction* 10m (deg)		7.06	5.76	+
Ambient Temperature (°C)		36.7	35.5	+
Relative Humidity (%)		25.17	27.1	+
Aspirated Temp 2m		35.8	35.1	+
Aspirated Temp 10m		34.2	33.7	+
Delta Temperature (°C)	N/A	-1.37	-1.41	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	967.77	960	+
Barometric Pressure (mmHg)	N/A	681.83	682	+
Battery Voltage (V)	N/A	12.67	12.7	+
Time (MST)	N/A	13:31	13:30 L.T.	+
Date	N/A	2 Jul 15	07/02/2015	+

66

248 – 13:00
265 – 13:15
262 – 13:45
258 – 14:00

*Direction wind is from

Comments/Unusual Occurrences or Weather: Evap pan filled ✓ 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: 10 Jul 15 Time: 13:45 Operator: Jovan Hrdlica

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)		13.07	3.84	+
Direction* 10m (deg)		238.32	221	+
Ambient Temperature (°C)		34.12	34.3	+
Relative Humidity (%)		24.38	23.2	+
Aspirated Temp 2m		33.8	33.5	+ GG
Aspirated Temp 10m		32.2	31.5	+ 999 - 13:15
Delta Temperature (°C)	N/A	-2.10	-2.01	+ 908 - 13:30
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1106.21	956	* 989 - 14:00
Barometric Pressure (mmHg)	N/A	681.08	681	+ 773 - 14:15
Battery Voltage (V)	N/A	12.69	12.7	+
Time (MST)	N/A	13:48	13:45 - L.T.	+
Date	N/A	10 Jul 15	07/10/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap ✓ only by 2"!? 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.

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

Date: 27 Jul 15 ✓ Time: 8107 ✓ 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)		1.638	0.852	+
Direction* 10m (deg)	SE	206.97	257	★
Ambient Temperature (°C)	29	30.2	29.3	+
Relative Humidity (%)	30%	33.14	35	+
Aspirated Temp 2m	27	28.9	27.9	+
Aspirated Temp 10m	26	28.09	27.8	+
Delta Temperature (°C)	N/A	0.67	−0.187	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	?	578	+
Barometric Pressure (mmHg)	N/A	684.33	684	+
Battery Voltage (V)	N/A	12.75	12.7	+
Time (MST)	N/A	8:04	08:00 L.T.	+
Date	N/A	27 Jul 15	07/27/2015	+

192 - 7:30
232 - 7:45
271 - 8:15
217 - 8:30

*Direction wind is from

Comments/Unusual Occurrences or Weather: Filled evap tank ✓ 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.

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

Date: 31 Jul 15 ✓ Time: 08114 ✓ Operator: Jovan Hills

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)		3.07	2.46	+
Direction* 10m (deg)		209.7	208	+
Ambient Temperature (°C)		31.8	31.8	+
Relative Humidity (%)		35.2	35.1	+
Aspirated Temp 2m		30.98	31	+
Aspirated Temp 10m		30.9	30.8	+
Delta Temperature (°C)	N/A	0.01	-0.307	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	367.5	305	+
Barometric Pressure (mmHg)	N/A	687.0	687	+
Battery Voltage (V)	N/A	12.7	12.7	+
Time (MST)	N/A	08:17	08:15 L.T.	+
Date	N/A	31 Jul 15	07/31/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: Monthly flow PM 2.5/PM 10 ✓
changed tape PM 2.5/PM 10 ✓ JH.

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: 7 Aug 15 ✓ Time: 08:23 ✓ Operator: Javan 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)		2.76	1.65	+
Direction* 10m (deg)	Northeast	232	231	+
Ambient Temperature (°C)		31.54	31.2	+
Relative Humidity (%)		43.7	43.8	+
Aspirated Temp 2m		29.8	29.8	+
Aspirated Temp 10m		29.3	29.3	+
Delta Temperature (°C)	N/A	-0.26	-0.54	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	518.43	501	+
Barometric Pressure (mmHg)	N/A	684.69	685	+
Battery Voltage (V)	N/A	12.69	12.7	+
Time (MST)	N/A	08:27	08:30 LT	+
Date	N/A	7 Aug 15	08/07/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled wrap 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: 8/20/2015 ✓ Time: 4:15 ✓ Operator: Kami

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.

GG.

Parameter	Estimated	Logger	Audit	
Speed 10m (m/s)	3 m/s	4.51	4.31	+
Direction* 10m (deg)	NW	257.01	301	*
Ambient Temperature (°C)	35°	36.74	36.2	+
Relative Humidity (%)	30%	26.65	27.1	+
Aspirated Temp 2m	35°	35.81	35.8	+
Aspirated Temp 10m	34°	35.11	34.9	+
Delta Temperature (°C)	N/A	−0.85	−0.822	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	504.61	534	+
Barometric Pressure (mmHg)	N/A	681.59	682	+
Battery Voltage (V)	N/A	12.66	12.7	+
Time (MST)	N/A	4:17	16:15 L.T.	+
Date	N/A	08/20/2015	08/20/2015	+

245 – 15:45
259 – 16:00
254 – 16:30
284 – 16:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan * No indications of it in the data! GG.

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

Date: 8/26/2015 Time: 1:15 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)	1 m/s	1.23	2.69	+
Direction* 10m (deg)	W	203.51	199	+
Ambient Temperature (°C)	37°	36.29	36.3	+
Relative Humidity (%)	30%	25.6	26.5	+
Aspirated Temp 2m	37°	35.26	35.5	+
Aspirated Temp 10m	36°	33.47	33.8	+
Delta Temperature (°C)	N/A	-1.85	-1.66	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	945.61	942	+
Barometric Pressure (mmHg)	N/A	686.389	686	+
Battery Voltage (V)	N/A	12.67	12.7	+
Time (MST)	N/A	1:21	13:30 L.T.	+
Date	N/A	8/26/2015	08/26/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap pan, tipped precip. gauge ✓
0.016" of precip. invalidated @ 13:30 hrs! G.G.

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.

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

Date: Sep-4-15 Time: 0812 Operator: Jovan Hirly

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)	Very low	1.12	1.5	+
Direction* 10m (deg)	N/A	128-14	104	*
Ambient Temperature (°C)	25	26.0	25.9	+
Relative Humidity (%)	50	46.6	47.9	+
Aspirated Temp 2m	25	25.0	24.9	+
Aspirated Temp 10m	24	24.1	23.9	+
Delta Temperature (°C)	N/A	-1.06	-1.01	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	428.97	337	+
Barometric Pressure (mmHg)	N/A	684.1	684	+
Battery Voltage (V)	N/A	12.7	12.8	+
Time (MST)	N/A	8:14	08:15 L.T.	+
Date	N/A	9-4-15	09/04/2015	+

166 - 7:45
+ 86.8 - 8:00
* 91.6 - 8:30
+ 163 - 8:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: Filled evap tank * Evap. date doesn't indicate fillup! GG.

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: 9-18-18 Time: 9AM Operator: Joven 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	5.63	1.42	✗
Direction* 10m (deg)	NE	178.83	172	+
Ambient Temperature (°C)	27	28.0	30.9	+
Relative Humidity (%)	50	52.9 ?	27.6	✗
Aspirated Temp 2m	27	27.1	29.6	+
Aspirated Temp 10m	26	25.5	28.5	+
Delta Temperature (°C)	N/A	-1.49	-1.09	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	?	598	+
Barometric Pressure (mmHg)	N/A	685.21	684	+
Battery Voltage (V)	N/A	12.75	12.7	+
Time (MST)	N/A	9:15	09:15 L.T.	+
Date	N/A	9-15-15	09/15/2015	+

EG -
0.694 - 8:45
0.962 - 9:00
1.76 - 9:30
1.16 - 9:45
31.4 - 8:45
28 - 9:00
26.1 - 9:30
25.1 - 9:45

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap tank ?Not reflected in the data!

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

R

WEST PLANT

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

AIR SCIENCES INC.

Date: 2 Jul 15 ✓ Time: 14:03 ✓ Operator: Jovan Hilton

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). 7/2 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.*

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.*

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: [signature]

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

R

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: S/N:

Date of Flow Audit: 2 Jul 15

Time of Flow Audit: 13:57

	BAM	STD
Ambient Temperature (AT) °c	35.2	36.5
Berometric Pressure mmHg	683	682

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.05	0.3
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.3	0.5	18.41	0.6
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.74	0.2
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

	BAM
(2) Leak Test	0.5

Should be < 1.0 LPM

Comments/Abnormalities: * PM10 conc + flow invalidated @ 15:00 hrs!

Signature:

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: 10 Jul 15 Time: 1[illegible]:00 Operator: Jovan Hailey

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). 7/02 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: [signature]

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

R

WEST PLANT

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

AIR SCIENCES INC.

Date: 27 Jul 15 Time: 8:05 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). 7/27 Bam Cal Mem 5% ✓ 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: * PM10 conc. & flow invalidated @ 09:00 hrs! GG.

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: 31Jul15 Time: 0815 Operator: Jovan Dikes

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). 7/30 Bam Cal Mem 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

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

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: _____

**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: S/N:

Date of Flow Audit: 31 Jul 15

Time of Flow Audit: 08:24

	BAM	STD
Ambient Temperature (AT) °c	33.7	36.1
Berometric Pressure mmHg	684	685

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.81	1.3
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.19	1.2
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.51	1.2
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

	BAM	
(2) Leak Test	0.6	**Should be < 1.0 LPM**

Comments/Abnormalities: * PM10 conc. + flow invalidated @ 09:00 hrs!

Signature:

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.

R

Date: 7 Aug 15 Time: 08:28 Operator: Jovan Wilcox

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). 8/7 Bam cal/mem 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

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

G.G.

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.*

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: _____

**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: 8/20/2015 Time: 4:12 Operator: Kami

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). 8/20 Bam Cal Membrane 50 ✓
✓		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) 66

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: Kami Ballard

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

West
~~EAST~~ PLANT

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

AIR SCIENCES INC.

Date: 8/26/2015 Time: 1:25 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). 8/26 → BAM Cal Membrane 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See 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: * PM10 conc. & flow invalidated @ 14:00 hrs!

GG.

Signature: Karen Billard

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

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

West ~~East~~ Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

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

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 8/26/2015

Time of Flow Audit: 1:33

	BAM	STD
Ambient Temperature (AT) °c	36.0	35.7
Berometric Pressure mmHg	683	684

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.99	0.1
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.39	0.1
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.66	0.2
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

	BAM
(2) Leak Test	.2

Should be < 1.0 LPM

Comments/Abnormalities: Self Test Passed

Signature: [signature]

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: 9/4/15 Time: 08119 Operator: Jovan Vieto

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). 9/4 Bam cal man 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See 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: 9-18-18 Time: 9:17 Operator: Jason Hills

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). 9/15 Bam Cal mem 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

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

L

WEST PLANT

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

AIR SCIENCES INC.

Date: 2 Jul 15 ✓ Time: 13:33 ✓ 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). 6/22 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 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: _____

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

L

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: M8193

Firmware:

Calibrator: S/N:

Date of Flow Audit: 2 July 2015 KDA

Time of Flow Audit: 1400

	BAM	STD
Ambient Temperature (AT) °c	35.3	38.2
Berometric Pressure mmHg	684	682

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.04	0.3
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.47	0.4
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.85	0.9
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	0.1	**Should be < 1.0 LPM**

Comments/Abnormalities: * PM 2.5 conc. + flow invalidated @ 14:00 hrs

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: 10 Jul 15 Time: 1314 Operator: Joven 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). 7/02 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 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: 72 hr test started * GG

* PM2.5 conc. invalidated from 15:00 hrs. on 07/10/15 through 12:00 hrs. on 07/13/15 due to 72 hr. zero background test! GG

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: 27 Jul 15 Time: 8:08 Operator: Jovan Hilty

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). 7/27 Bam Cal/Mem 8%
✓		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) GG.

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: _____

**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: 31 Jul 15 Time: 08140 Operator: Jovan Hilles

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). 7/24 Bam Cal Mem 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

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

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

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: M8193

Firmware:

Calibrator: S/N:

Date of Flow Audit: 31 Jul 15

Time of Flow Audit: 08:50

	BAM	STD
Ambient Temperature (AT) °c	31.9	33
Berometric Pressure mmHg	686	685

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.1	0.7	15.09	0
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.3	0.5	18.47	0.9
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.6	0.6	16.68	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	0.2

Should be < 1.0 LPM

Comments/Abnormalities: PM2.5 conc. + flow invalidated @ 09:00 hrs!

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: 7 Aug 15 Time: 08:29 Operator: 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). 7/31 Maint
✓		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: _____

**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: 8/20/2015 Time: 4 11 Operator: Kame BaCard

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). 8/20 → Bam Cal 5%
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See 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: Kame BaCard

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

West
~~EAST~~ PLANT

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

AIR SCIENCES INC.

Date: 8/24/15 Time: 1:26 Operator: David C

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). 8/26 BAM CAL MEMBRANE 5%
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.*

✓ 66

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.*

✓ 66 -

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.*

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 @ 14:00hrs! 66.

Signature: Kam Pollard

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

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

West ~~East~~ Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

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

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 8/24/2015

Time of Flow Audit: 1:37

	BAM	STD
Ambient Temperature (AT) °c	35.4	35.4
Berometric Pressure mmHg	686	684.5

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.10	0.7
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.3	0.5	18.57	1.4
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.75	0.3
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

	BAM
(2) Leak Test	0.4

Should be < 1.0 LPM

Comments/Abnormalities: Self test passed

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: Sep-4/5 Time: 08:14 Operator: Jovan Dirks

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). 9/3 BAM Cal mean 8%
✓		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: [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: 9-15-15 Time: 9:18 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). 9/15 Bam Cal mem 598
✓		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: _____

**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: 7/01/2015 Time: 9:20 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)	2m/s	4.7	5.89	+
Direction* 10m (deg)	SE	270.95	275	+
Ambient Temperature (°C)	35°	26.34	25.7	+
Relative Humidity (%)	50%	51.88	54	+
Aspirated Temp 2m	35°	24.93	24.6	+
Aspirated Temp 10m	34°	24.46	24.2	+
Delta Temperature (°C)	N/A	-0.48	-0.451	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	755.19	702	+
Barometric Pressure (mmHg)	N/A	654.32	654	+
Battery Voltage (V)	N/A	12.68	12.7	+
Time (MST)	N/A	9:22	09:15 L.T.	+
Date	N/A	7/01/2015	07/01/2015	+

EG.

*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: 7.10.2015 Time: 10:49 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)	4m/s	6.65	4.83	+
Direction* 10m (deg)	SW	205.57	212	+
Ambient Temperature (°C)	30°	27.37	27.4	+
Relative Humidity (%)	20%	27.41	27.9	+
Aspirated Temp 2m	30°	27.16	27.2	+
Aspirated Temp 10m	29°	25.53	25.9	+
Delta Temperature (°C)	N/A	-1.63	1.3	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1006.05	911	+
Barometric Pressure (mmHg)	N/A	653.78	654	+
Battery Voltage (V)	N/A	12.66	12.7	+
Time (MST)	N/A	10:50	10:45 L.T.	+
Date	N/A	7/10/2015	07/10/2015	+

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: Karen Ballard

AIR SCIENCES INC.

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

Date: 07-23-2015 Time: 2:20 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)	1m/s	1.94	2.02	+ 255 - 14:00 285 - 14:15
Direction* 10m (deg)	SE	141.68	222	+ 277 - 14:45
Ambient Temperature (°C)	29°	28.64	28.2	+ 203 - 15:00
Relative Humidity (%)	30%	28.67	29.6	+
Aspirated Temp 2m	29°	27.92	27.6	+
Aspirated Temp 10m	28°	26.90	26.6	+
Delta Temperature (°C)	N/A	-1.02	-0.963	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	421.45	423	+
Barometric Pressure (mmHg)	N/A	655.04	655	+
Battery Voltage (V)	N/A	12.66	12.7	+
Time (MST)	N/A	2:23	14:30 L.T.	+
Date	N/A	07-23-2015	07/23/2015	+

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: Karen BaCard

AIR SCIENCES INC.

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

Date: 7/31/2015 ✓ Time: 1:04 ✓ Operator: Karen 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)	2m/s	2.11	2.11	+
Direction* 10m (deg)	S	154.23	154	+
Ambient Temperature (°C)	31°	32.70	32.7	+
Relative Humidity (%)	31°	31.55	31.5	+
Aspirated Temp 2m	25%	31.99	32	+
Aspirated Temp 10m	30°	30.49	30.5	+
Delta Temperature (°C)	N/A	-1.54	-1.49	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	1130.00	1130	+
Barometric Pressure (mmHg)	N/A	655.81	656	+
Battery Voltage (V)	N/A	12.61	12.6	+
Time (MST)	N/A	1:06	13:00 L.T.	+
Date	N/A	7/31/2015	07/31/2015	+

*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 Ballard

AIR SCIENCES INC.

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

Date: 08/07/2015 Time: 3:35 Operator: Rame 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)	2m/s	3.27	3.16	+
Direction* 10m (deg)	E	69.58	85.2	+
Ambient Temperature (°C)	25°	23.42	23.5	+
Relative Humidity (%)	70%	41.94	62.3	+
Aspirated Temp 2m	25°	23.31	23.4	+
Aspirated Temp 10m	24°	23.09	23.1	+
Delta Temperature (°C)	N/A	-0.23	-0.257	+
Solar Radiation (w/m²)	Sunny—Partly cloudy—Cloudy	126.77	131	+
Barometric Pressure (mmHg)	N/A	652.34	652	+
Battery Voltage (V)	N/A	12.73	12.7	+
Time (MST)	N/A	3:38	15:45 L.T.	+
Date	N/A	08/07/2015	08/07/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: Filled evap pan Monday, Aug 4th. Completely dry today. Filled again. ✓ 66

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

Site Operator Signature: Rame Ballard

AIR SCIENCES INC.

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

Date: 08/21/2015 ✓ Time: 2:44 ✓ Operator: Kane 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)	1m/s	2.35	2.56	+
Direction* 10m (deg)	W	233.08	278	✱
Ambient Temperature (°C)	33°	32.18	31.6	+
Relative Humidity (%)	40%	33.64	35.3	+
Aspirated Temp 2m	33°	31.55	31.1	+
Aspirated Temp 10m	32°	29.81	29.9	+
Delta Temperature (°C)	N/A	-1.67	-1.15	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	847.75	809	+
Barometric Pressure (mmHg)	N/A	652.69	653	+
Battery Voltage (V)	N/A	12.42	12.6	+
Time (MST)	N/A	2:48	14:45 L.T.	+
Date	N/A	08/21/2015	08/21/2015	+

CG -
236 - 14:15
277 - 14:30
220 - 15:00
172 - 15:15

*Direction wind is from

Comments/Unusual Occurrences or Weather: filled evap. pan. ✓ CG.

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

Site Operator Signature: Kane BeClard

AIR SCIENCES INC.

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

Date: 8·27·2015 Time: 2:13 Operator: Kane BaClard

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 mps	3.99	4.68	+
Direction* 10m (deg)	NE	56.64	61.5	+
Ambient Temperature (°C)	32°	30.34	30.4	+
Relative Humidity (%)	35%	33.95	33.2	+
Aspirated Temp 2m	32°	30.47	30.4	+
Aspirated Temp 10m	31°	29.47	29.4	+
Delta Temperature (°C)	N/A	-0.99	-0.924	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	209.44	190	+
Barometric Pressure (mmHg)	N/A	655.33	655	+
Battery Voltage (V)	N/A	12.62	12.6	+
Time (MST)	N/A	2114	14:15 L.T.	+
Date	N/A	08.27.2015	08/27/2015	+

*Direction wind is from

Comments/Unusual Occurrences or Weather: Tipped precip. gauge ✓
& 0.016" of precip. immediately @ 14:15 hrs! KB.

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

Site Operator Signature: Kane BaClard

AIR SCIENCES INC.

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

Date: 9/2/15 Time: 1:10 Operator: DanielC / KB

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)	3 m/s	2.46	3.66	+
Direction* 10m (deg)	W	268.857	240	+
Ambient Temperature (°C)	32°	30.63	30.4	+
Relative Humidity (%)	20%	21.96	22.7	+
Aspirated Temp 2m	32°	30.13	30.1	+
Aspirated Temp 10m	31°	29.07	28.9	+
Delta Temperature (°C)	N/A	-0.94	-1.26	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	817.02	807	+
Barometric Pressure (mmHg)	N/A	653.88	654	+
Battery Voltage (V)	N/A	12.43	12.6	+
Time (MST)	N/A	2:23	14:30 L.T.	+
Date	N/A	9/2/15	09/02/2015	+

G.6 -
240 - 14:00
214 - 14:15
253 - 14:45
210 - 15:00

*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:

AIR SCIENCES INC.

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

Date: 9/18/2015 Time: 1:23 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)	1m/s	0	1.93	+
Direction* 10m (deg)	S	281.39	189	★
Ambient Temperature (°C)	31°	30.33	30.9	+
Relative Humidity (%)	20%	21.95	22	+
Aspirated Temp 2m	31°	29.02	30.2	+
Aspirated Temp 10m	30°	28.38	28.8	+
Delta Temperature (°C)	N/A	-0.64	-1.42	+
Solar Radiation (w/m²)	Sunny Partly cloudy Cloudy	966.92	943	+
Barometric Pressure (mmHg)	N/A	652.16	652	+
Battery Voltage (V)	N/A	12.63	12.6	+
Time (MST)	N/A	1:26	13:30 L.T.	+
Date	N/A	09/18/2015	09/18/2015	+

GG.
263 - 13:00
+ 223 - 13:15
★ 281 - 13:45
+ 271 - 14:00

*0.016" of precip. invalidated @ 13:30 hrs! GG.

*Direction wind is from

Comments/Unusual Occurrences or Weather: Filled evap tank. Typed precip gauge.

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

Site Operator Signature: Kami Ballard

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: 7/01/2015 Time: 9:24 Operator: Kane BaCong

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.*

✓

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: _____

Signature: Kane BaCong

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

AIR SCIENCES INC.

Monthly Flow Verification $PM_{2.5}$

~~West~~ East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 $PM_{2.5}$: 6464 S/N:

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 07/01/2015

Time of Flow Audit: 9:29

	BAM	STD
Ambient Temperature (AT) °c	26.4	26.2
Berometric Pressure mmHg	655	654.0

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.20	1.3
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.3	0.5	18.55	1.3
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.6	0.6	16.81	1.2
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

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

Comments/Abnormalities: Self Test Passed

* PM2.5 data is missing and/or invalidated from 10:00hrs on 07/01/15 through 15:00hrs on 07/07/15 due to monitor left in wrong operational screen!

Signature: Dave Bellard

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: 7/10/2015 ✓ Time: 7 Operator: K. BaCland

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: Karen BaCland

**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: 7/23/2015 Time: 2:29 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). 7/14 -> Pressure / Delta-Pressure
✓		7. Climate control appears operational (If it's cold out the shelter should feel warm, if it's hot out the shelter should feel cool)

II. **BAM SAMPLER** – Routine Maintenance (monthly). Check yes if maintenance was performed during this visit. *See 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: Karen Ballard

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

10 EAST PLANT

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

AIR SCIENCES INC.

08/04

Date: ~~07/31~~ 2015 Time: 1:09 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).
✓		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

* PM10 conc. + flow invalidated since 22:00hrs on 08/01/15 due to tape break! GG.

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 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}: 8714 S/N:

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: ~~7/31/2015~~ 8/4

Time of Flow Audit: 1:09

	BAM	STD
Ambient Temperature (AT) °c	31.7	32.3
Berometric Pressure mmHg	642	643

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.	0	15.27	1.8
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.4	0	18.63	1.2
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.7	0	16.91	1.2
Acceptable Differential		***16.336 - 17.034***	***+/- 2%***	***15.865 - 17.535***	***+/- 5%***

Calculations:

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

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

	BAM
(2) Leak Test	0.6

Should be < 1.0 LPM

Comments/Abnormalities: Self Test Passed

Signature: Ramu Pillai

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: 08/07/2015 Time: 3:38 Operator: Kane 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). 08/01 → Tape Tension – 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: Kane 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: 8/21/2015 Time: 3:06 Operator: K. Ball-a

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). 08/04 → Tape Tension
✓		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: K. Ball

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

East
~~WEST~~ PLANT
BAM PM10 WEEKLY SITE CHECK FORM
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 8/27/15 Time: 2:19 Operator: Darrel Chaver

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). Aug 4th - TAPE Tension ✓
✓		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: * PM10 conc. + flow invalidated @ 15:00hrs! GG-

Signature:

**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: 8/27/2015

Time of Flow Audit: 2:21

	BAM	STD
Ambient Temperature (AT) °c	29.5	31.5
Berometric Pressure mmHg	660	655

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
			6.6-		6.6-
(1) Actual Flow	15	15.0	0	15.42	2.7
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.93	2.8
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	17.22	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

Signature: Ram Pelland

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: 9/2/15 Time: 2:25 Operator: Daniel C / KB

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). 7/27 Delta-Pressure
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.*

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: Ken Bc[illegible]

**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: 09/18/2015 Time: 1:30 Operator: K. BeCl

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). 9/15 -> Count Failed
✓		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: Kan BeCl

**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: 7/01/2015 Time: 9:24 Operator: Kane 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 ✓
✓		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: Kane Bellard

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

AIR SCIENCES INC.

Monthly Flow Verification PM_{10}

~~West~~ East Plant

PARTICULATE MONITORING PROJECT

PROJECT NO. 262-1

Met One BAM 1020 PM_{10}: 8714 S/N:

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 7/01/2015

Time of Flow Audit: 09:26

	BAM	STD	Cal
Ambient Temperature (AT) °c	24.5	26.0	↓
Berometric Pressure mmHg	634	654.0	654.0

GG

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	15.34	2.2
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.4	0	18.84	2.3
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	17.04	2.1
Acceptable Differential		*16.336 - 17.034*	*+/- 2%*	*15.865 - 17.535*	*+/- 5%*

Calculations:

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

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

	BAM
(2) Leak Test	0.5

Should be < 1.0 LPM GG

Comments/Abnormalities: Self Test Passed

* PM10 conc. + flow invalidated @ 10:00hrs! GG

Signature: Kim Bell

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: 07-23-2015 ✓ Time: 2:30 ✓ Operator: Kara 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). 07/14 -> 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.*

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: Kara Bellard

**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: 07-31-2015 ? Time: 1:07 Operator: K. 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.*

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 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.*

YES NO 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: * None of the instrument checks reflected in the data! (07/31/15 through 08/07/15)

Signature: Kame. BaClard

**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 $PM_{2.5}$: 16466 S/N:

Firmware:

Calibrator: Delta Cal S/N:

Date of Flow Audit: 7/31/2015 ? ✓

Time of Flow Audit: 1:15 ✓

	BAM	STD
Ambient Temperature (AT) °c	32.1	31.6
Berometric Pressure mmHg	656	655.0

	Set Point (lpm)	BAM	% Diff (1) GG	STD Flow Meter	% Diff (2) GG
(1) Actual Flow	15	15.0	0 ✓	15.18	1.2 ✓
Acceptable Differential		***14.700 - 15.300***	***+/- 2%***	***14.250 - 15.750***	***+/- 5%***
(2) Actual Flow	18.4	18.3	0.5 ✓	18.43	0.7 ✓
Acceptable Differential		***18.032 - 18.768***	***+/- 2%***	***17.480 - 19.320***	***+/- 5%***
(3) Actual Flow	16.7	16.6	0.6 ✓	16.72	0.7 ✓
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	0.3

✓ **Should be < 1.0 LPM**

Comments/Abnormalities: Self Test Passed ✓ GG.

* None of the instrument checks/flow audit reflected in the data! (07/31/15 - 08/07/15)

Signature: Kami Ballara

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

EAST PLANT

BAM PM10 WEEKLY SITE CHECK FORM (PM 2.5)
RESOLUTION MONITORING PROJECT
PROJECT NO. 262-1

AIR SCIENCES INC.

Date: 08/07/2015 Time: 3:40 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). 08/07 -> Tape Error
✓		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.*

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: Self Test Passed

Signature: Karen Bellard

**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: 8/21/2015 Time: 3:08 Operator: K. Bell a

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). 8/21/ → 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:

* PM2.5 cont. + flow invalidated for 16:00 hrs! 66.

Signature: Kami Bell a

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

East
~~WEST~~ PLANT

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

AIR SCIENCES INC.

Date: 8/27/15 Time: 2:17 Operator: Daniel Chavez

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). 8/21 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.*

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: * PM 2.5 Conc + flow invalidated @ 15:00 hrs!

6.6

Signature: [signature]

**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: 08/27/2015

Time of Flow Audit: 2122

	BAM	STD
Ambient Temperature (AT) °c	29.6	31.5
Berometric Pressure mmHg	651	655

	Set Point (lpm)	BAM	% Diff (1)	STD Flow Meter	% Diff (2)
(1) Actual Flow	15	15.0	0	14.91	0.6
Acceptable Differential		*14.700 - 15.300*	*+/- 2%*	*14.250 - 15.750*	*+/- 5%*
(2) Actual Flow	18.4	18.2	1.1	18.16	0.2
Acceptable Differential		*18.032 - 18.768*	*+/- 2%*	*17.480 - 19.320*	*+/- 5%*
(3) Actual Flow	16.7	16.7	0	16.58	0.7
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

Signature: Kami Beck

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: 9/2/15 Time: 2:24 Operator: Dave/C/KB

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). 8/27/15 - Delta-Resist
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.*

66.

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.*

66.

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.*

66.

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.*

66.

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: Kim 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: 4/10/2015 ✓ Time: 10:52 ✓ Operator: Kara 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). 07/01 → 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 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: 72-hr BKGD Cal started @ 11:10 ✓ GG.

PM2.5 cont. & flow invalidated for 11:00 and 12:00 hrs!

GG.

Signature: Kara 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.

Date: 9/ 8/2015 Time: 1 33 Operator: K B. Cl. a

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). 9/13 → 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.*

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: Kan BcCl a

**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

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	0712
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0820
Date: 7-1-2015			T200 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.5

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	-0.3	-2.4	-2.7	0.6	Zero Drift ≤ ± 1.5 %	-0.2
400 ppb	400	404.5	1.1	405.3	0.4	Span Drift ≤ ± 10 %	397.9

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.0	NO	-0.1	± 2 ppb	NO
	NO_2	-0.3	NO_2	-0.6		
	NO_x	-0.2	NO_x	-0.5		
400 ppb	NO	399.2	NO	399.3	± 2 ppb	NO
	NO_2	-1.2	NO_2	-1.3		
	NO_x	397.9	NO_x	398.1		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	483	Moly Temp. (315 ± 5°C)	315
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.174	NO Slope (1 ± 0.3)	1.134
NOx Offset (0 ± 100)	34.4	NO Offset (0 ± 100)	-0.4

Operator Comments:

Operator Signature:

East Plant

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

AIR SCIENCES INC.

Operator: R. ATRIDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	0952
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1040
Date: July 1 2015			T100 Analyzer Range	500
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.5

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	0.1	Zero Drift ≤ ± 1.5 %	0.1
400 ppb	400	403.0	0.2	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	0.1	0.3	± 2 ppb	NO
400 ppb	399.9	400.8	± 2 ppb	NO

Analyzer Parameters

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

Operator Comments:

LOST CONNECTIVITY WITH THE SITE, UNABLE TO OBTAIN PARAMETERS

Operator Signature:

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	~~197~~ 224	Calibration Start Time	0824
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0917
Date: July 1 2015			T400 Analyzer Range	500
			Shelter Temperature (5-40 ° C)	22.0

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	0.4	Zero Drift ≤ ± 1.5 %	0.2
400 ppb	400	395.0	0.5	Span Drift ≤ ± 7 %	400.4

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.2	0.8	± 2 ppb	NO
400 ppb	400.4	401.3	± 2 ppb	NO

Analyzer Parameters

Sample Flow (~~800~~ 400 ± 80 cc/min)	393	Sample Temp. (10 - 50 °C)	39.8
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	28.1
Slope (1 ± 0.15)	1.065	O_3 Measure (2500 - 4800 mV)	2803.8
Offset (0.0 ± 5 PPB)	-2.2	O_3 Reference (2500 - 4800 mV)	2805.2

Operator Comments:

Operator Signature:

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

AIR SCIENCES INC.

DENVER • PORTLAND

Operator:	Teledyne API T200 NOx Analyzer S/N	T200	Verification Start Time	2:30
Kami Ballard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	T191	Verification Stop Time	3:18
Date: 7/23/2015			T200 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	22.31

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?
		-0.2	1.9	1.7			
Zero Air	0	1.7	2.4	5.0	0.9	Zero Drift ≤ ±1.5 %	Yes / Numbers on top
400 ppb	400	574.2	-1.5	573.8	0.3	Span Drift ≤ ±10 %	Yes / Numbers on bottom
		394.0	0.1	394.1			

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	1.7	NO	1.62	± 2 ppb	No
	NO_2	2.4	NO_2	2.01		
	NO_x	5.0	NO_x	4.89		
400 ppb	NO	574.2	NO	525.23	± 2 ppb	Yes
	NO_2	-1.5	NO_2	-0.01		
	NO_x	573.8	NO_x	525.35		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	482	Moly Temp. (315 ± 5°C)	315.6
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.371	NO Slope (1 ± 0.3)	0.370
NOx Offset (0 ± 100)	28.7	NO Offset (0 ± 100)	1.3

Operator Comments:

Operator Signature: Kami Ballard

* T200 touch screen is not working
* checked all fittings for leaks – verifications are way off

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

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: K. Ballard	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	10.44
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	11:18
Date: 7/10/2015			T200 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40 %	Shelter Temperature (5-40 ° C)	23.46

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	-0.6	-0.7	0.9	Zero Drift ≤ ±1.5 %	0.1
400 ppb	400	389.8	-6.3	383.5	0.5	Span Drift ≤ ±10 %	402.3

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.3	NO	-0.49	± 2 ppb	No
	NO_2	-0.6	NO_2	-0.23		
	NO_x	-0.7	NO_x	-0.11		
400 ppb	NO	389.8	NO	389.91	± 2 ppb	No
	NO_2	-6.3	NO_2	-6.41		
	NO_x	383.5	NO_x	383.96		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	481	Moly Temp. (315 ± 5°C)	316.6
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.149	NO Slope (1 ± 0.3)	1.135
NOx Offset (0 ± 100)	19.7	NO Offset (0 ± 100)	0.1

Operator Comments:

Operator Signature: Kenn 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	11:18
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:33
Date: 7/10/2015			T100 Analyzer Range	500 PPB
	NIST Traceable Gas Conc.	40 %	Shelter Temperature (5-40 ° C)	21.88

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	0.453	0.255	Zero Drift ≤ ± 1.5 %	NO
400 ppb		396.29	0.614	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	0.453	0.58	± 2 ppb	No
400 ppb	396.29	396.97	± 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)	2372.6	Lamp Ratio (30 - 120%)	100.4
Slope (1 ± 0.3)	1.044	BOX Temp. (Ambient ± 5°C)	32.1
Offset (< 250 mV)	25.7	HVPS (400 - 900 V)	614

Operator Comments: OPERATOR DIDNT DOCUMENT THE TARGET - KPA

Operator Signature: Kane BaCard

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

DENVER • PORTLAND

Operator:	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	11:33
Kane Bellard	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	11:46
Date:			T400 Analyzer Range	500 PPB
7-10-2015			Shelter Temperature (5-40 ° C)	22.03

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	-0.3	0.4	Zero Drift ≤ ±1.5 %	No
400 ppb	400	394.3	0.4	Span Drift ≤ ±7 %	No

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	-0.3	0.2	± 2 ppb	No
400 ppb	394.3	394.57	± 2 ppb	No

Analyzer Parameters

Sample Flow (800± 80 cc/min)	401	Sample Temp. (10 - 50 °C)	39.3
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	27.2
Slope (1 ± 0.15)	1.065	O_3 Measure (2500 - 4800 mV)	2802.7
Offset (0.0 ± 5 PPB)	2.2	O_3 Reference (2500 - 4800 mV)	2803.0

Operator Comments:

Operator Signature: Kane Bellard

~~1200 hrs Invalid - RPA~~

Analyzer left in SPAN MODE From
7-10-15 1300 — 7-14-15 0300

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	318
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	
Date: 7/23/2015			T100 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	21.69

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	0.279	0.134	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	442.4	0.331	Span Drift ≤ ±10 %	Yes

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.279	0.315	± 2 ppb	No
400 ppb	442.4	443.37	± 2 ppb	No

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	628	Sample Press. (Ambient ± 2 in-Hg)	26.0
UV Lamp (1000 - 4800 mV)	2454.8	Lamp Ratio (30 - 120%)	103.8
Slope (1 ± 0.3)	1.212	BOX Temp. (Ambient ± 5°C)	32.5
Offset (< 250 mV)	261	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature: Kami Ballard

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	0706
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0730
Date: 7-24-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.4

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	-0.4	0.4	0.1	0.6	Zero Drift ≤ ±1.5 %	0.6
400 ppb	400	402.6	-5.7	~~36~~ 396.9	0.1	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	0.1	NO	-0.28	± 2 ppb	NO
	NO_2	0.5	NO_2	0.19		
	NO_x	0.6	NO_x	0.49		
400 ppb	NO	395.9	NO	396.3	± 2 ppb	NO
	NO_2	1.1	NO_2	0.91		
	NO_x	397.6	NO_x	397.1		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	476	Moly Temp. (315 ± 5°C)	314.2
Ozone Flow (80 ± 15 cc/min)	82	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.026	NO Slope (1 ± 0.3)	1.032
NOx Offset (0 ± 100)	14.2	NO Offset (0 ± 100)	2.6

Operator Comments:

two point cal performed after results of the weekly data review displayed noisy data at lower concentrations - R. ATTRIDGE

Operator Signature:

R Attridge

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	0734
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0809
Date: 7-27-2015			T100 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.8

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	-0.6	0.3	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	404.2	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	-0.6	-0.2	± 2 ppb	NO
400 ppb	404.2	405.2	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	619	Sample Press. (Ambient ± 2 in-Hg)	25.7
UV Lamp (1000 - 4800 mV)	2484.4	Lamp Ratio (30 - 120%)	105.2
Slope (1 ± 0.3)	1.099	BOX Temp. (Ambient ± 5°C)	33.4
Offset (< 250 mV)	26.1	HVPS (400 - 900 V)	614

Operator Comments:

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	0700
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0738
Date: 7-27-2015			T400 Analyzer Range	500 ppb
			Shelter Temperature (5-40 ° C)	22.6

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	0.0	0.7	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	389.6	0.7	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	0.0	0.4	± 2 ppb	NO
400 ppb	389.6	389.9	± 2 ppb	NO

Analyzer Parameters

Sample Flow (~~800~~ 100 ± 80 cc/min)	323	Sample Temp. (10 - 50 °C)	40.7
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	28.8
Slope (1 ± 0.15)	1.090	O_3 Measure (2500 - 4800 mV)	2798.0
Offset (0.0 ± 5 PPB)	-2.0	O_3 Reference (2500 - 4800 mV)	2798.7

Operator Comments: ZERO SPAN TOOK LONGER THAN NORMAL TO SPAN - RFA

Operator Signature:

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	0748
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	~~0840~~ 0837
Date: 8-5-2015			T200 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.0

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	-0.8	0.3	-0.5	0.6	Zero Drift ≤ ± 1.5 %	0.2
400 ppb	400	373.5	6.9	380.2	0.2	Span Drift ≤ ± 10 %	399.8

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	-0.4	± 2 ppb	NO
	NO_2	0.3	NO_2	-0.3		
	NO_x	0.2	NO_x	-0.1		
400 ppb	NO	399.9	NO	399.9	± 2 ppb	NO
	NO_2	-0.1	NO_2	-0.6		
	NO_x	399.8	NO_x	399.8		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	475	Moly Temp. (315 ± 5°C)	314.8
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.848	NO Slope (1 ± 0.3)	0.850
NOx Offset (0 ± 100)	17.2	NO Offset (0 ± 100)	-2.1

Operator Comments:

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	0934
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1005
Date: 8-5-15			T100 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.7

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	0.2	Zero Drift ≤ ± 1.5 %	-0.4
400 ppb	400	411.1	0.2	Span Drift ≤ ± 10 %	400.5

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	-0.4	-0.3	± 2 ppb	NO
400 ppb	400.5	401.1	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	622	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2587.2	Lamp Ratio (30 - 120%)	109.5
Slope (1 ± 0.3)	1.069	BOX Temp. (Ambient ± 5°C)	32.6
Offset (< 250 mV)	25.9	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

East Plant

O_3 Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND

Operator:	Teledyne API T400 O_3 Analyzer S/N	224	Calibration Start Time	0840
R. ATTRIDGE	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0933
Date:			T400 Analyzer Range	500ppb
8-5-15			Shelter Temperature (5-40 ° C)	22.2

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	0.4	0.5	Zero Drift ≤ ± 1.5 %	0.9
400 ppb	400	386.6	0.7	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	0.9	1.2	± 2 ppb	NO
400 ppb	400.2	400.7	± 2 ppb	NO

Analyzer Parameters

Sample Flow ~~(800~~ 400 ± 80 cc/min)	333	Sample Temp. (10 - 50 °C)	39.3
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.5
Slope (1 ± 0.15)	1.126	O_3 Measure (2500 - 4800 mV)	2786.8
Offset (0.0 ± 5 PPB)	-2.4	O_3 Reference (2500 - 4800 mV)	2794.9

Operator Comments:

Operator Signature:

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	0730
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0751
Date: 8-10-2015			T200 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.4

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	0.1	1.1	1.1	0.5	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	400.4	0.4	401.2	0.4	Span Drift ≤ ± 10 %	NO

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	0.1	NO	0.4	± 2 ppb	NO
	NO_2	1.1	NO_2	1.2		
	NO_x	1.1	NO_x	1.2		
400 ppb	NO	400.4	NO	400.6	± 2 ppb	NO
	NO_2	0.4	NO_2	0.5		
	NO_x	401.2	NO_x	401.5		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	483	Moly Temp. (315 ± 5°C)	316
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.361	NO Slope (1 ± 0.3)	0.354
NOx Offset (0 ± 100)	27.5	NO Offset (0 ± 100)	-1.2

Operator Comments:

Significant Drop in Nox slope - DOES NOT Drop below the suggested ~~min~~ minimum value of -0.700 per operation Manual

Operator Signature:

R Attridge

East Plant

SO$_2$ Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: R. Arringe	Teledyne API T100 SO$_2$ Analyzer S/N	193	Verification Start Time	0754
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0816
Date: 8-10-2015			T100 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.1

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	ZERO	0.06	0.4	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	397.6	0.6	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	0.06	0.28	± 2 ppb	No
400 ppb	397.6	398.3	± 2 ppb	No

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	620	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2641.7	Lamp Ratio (30 - 120%)	111.7
Slope (1 ± 0.3)	1.069	BOX Temp. (Ambient ± 5°C)	33.9
Offset (< 250 mV)	25.9	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

East Plant

O_3 Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTREDGE	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	0816
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	0931
Date: 8-10-2015			T400 Analyzer Range	500 ppb
			Shelter Temperature (5-40 ° C)	23.2

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	0.6	0.4	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	393.5	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	0.6	1.0	± 2 ppb	NO
400 ppb	393.5	393.8	± 2 ppb	NO

Analyzer Parameters

Sample Flow (800± 80 cc/min)	325	Sample Temp. (10 - 50 °C)	40.8
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	28.9
Slope (1 ± 0.15)	1.126	O_3 Measure (2500 - 4800 mV)	2792.9
Offset (0.0 ± 5 PPB)	-2.4	O_3 Reference (2500 - 4800 mV)	2792.8

Operator Comments:

1000 ppb hourly concentration shall be invalidated - RA

Operator Signature:

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Armitage	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	1212
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1255
Date: 8-17-2015			T200 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	20.4

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	1.3	1.3	0.4	Zero Drift ≤ ± 1.5 %	-0.2
400 ppb	400	398.3	6.7	405.1	0.5	Span Drift ≤ ± 10 %	400.6

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)		Logger Response (ppb)		Acceptance Criteria	Adjustment Required?
Zero Air	NO	-0.3	NO	-0.6	± 2 ppb	NO
	NO_2	0.0	NO_2	-0.3		
	NO_x	-0.2	NO_x	-0.3		
400 ppb	NO	400.6	NO	400.9	± 2 ppb	NO
	NO_2	-0.1	NO_2	-0.4		
	NO_x	400.6	NO_x	400.7		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	474	Moly Temp. (315 ± 5°C)	316.1
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.354	NO Slope (1 ± 0.3)	0.356
NOx Offset (0 ± 100)	16.6	NO Offset (0 ± 100)	0.1

Operator Comments:

NOX AND SLOPE

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	~~1212~~	1326
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1347	
Date: 8-17-2015			T100 Analyzer Range	500ppb	
	NIST Traceable Gas Conc.	4/0%	Shelter Temperature (5-40 ° C)	~~21.4~~	21.7

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	0.04	0.5	Zero Drift ≤ ± 1.5 %	0.0
400 ppb	400	402.4	0.3	Span Drift ≤ ± 10 %	400.6

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.0	0.09	± 2 ppb	NO
400 ppb	400.6	401.1	± 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)	2718.5	Lamp Ratio (30 - 120%)	115.1
Slope (1 ± 0.3)	1.063	BOX Temp. (Ambient ± 5°C)	32.5
Offset (< 250 mV)	26.0	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

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	13~~48~~ 1348
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	1426
Date: 8-17-2015			T400 Analyzer Range	500ppb
			Shelter Temperature (5-40 ° C)	~~32.8~~ 21.7

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	0.8	Zero Drift ≤ ± 1.5 %	0.1
400 ppb	400	392.5	0.8	Span Drift ≤ ± 7 %	401.3

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.1	0.6	± 2 ppb	NO
400 ppb	401.3	401.5	± 2 ppb	NO

Analyzer Parameters

Sample Flow (~~800~~ 400 ± 80 cc/min)	321	Sample Temp. (10 - 50 °C)	39.6
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	27.9
Slope (1 ± 0.15)	1.147	O_3 Measure (2500 - 4800 mV)	2790.1
Offset (0.0 ± 5 PPB)	-2.5	O_3 Reference (2500 - 4800 mV)	2791.5

Operator Comments:

Operator Signature:

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

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Daniel Chavez	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	2:35
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	2:50
Date: 8/27/15			T200 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	27.03

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	.1	2.5	2.3	.9	Zero Drift ≤ ±1.5 %	No
400 ppb	400	390.1	-3.7	387.4	.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	.1	NO	-0.18	± 2 ppb	No
	NO_2	2.5	NO_2	3.03		
	NO_x	2.3	NO_x	3.36		
400 ppb	NO	391.1	NO	391.27	± 2 ppb	NO
	NO_2	-3.7	NO_2	-3.7		
	NO_x	387.4	NO_x	387.81		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	481	Moly Temp. (315 ± 5°C)	314.7
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	.354	NO Slope (1 ± 0.3)	.356
NOx Offset (0 ± 100)	20.1	NO Offset (0 ± 100)	.8

Operator Comments:

Operator Signature:

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

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Daniel Chavez	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	2:51
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	3:15
Date: 8/27/15			T100 Analyzer Range	500PPB
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	27.99

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	0.314	.284	Zero Drift ≤ ±1.5 %	NO
400 ppb	400	~~0.430~~ 392.208	~~392.760~~ 0.918	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	0.314	.430	± 2 ppb	NO
400 ppb	392.208	392.760	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	621	Sample Press. (Ambient ± 2 in-Hg)	25.9
UV Lamp (1000 - 4800 mV)	2787.2	Lamp Ratio (30 - 120%)	117.9
Slope (1 ± 0.3)	1.063	BOX Temp. (Ambient ± 5°C)	36.2
Offset (< 250 mV)	26.0	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

Resolution Copper Mining
East Plant Monitoring Station
O_3 Level 2 Zero and Span Verification

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Daniel	Teledyne API T400 O_3 Analyzer S/N	224	Verification Start Time	3:15
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	3:34
Date: 8/27/15			T400 Analyzer Range	500
			Shelter Temperature (5-40 ° C)	28.36

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	0.6	Zero Drift ≤ ±1.5 %	No
400 ppb	400	360.7	0.2	Span Drift ≤ ±7 %	No

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	-0.6	-0.01	± 2 ppb	NO
400 ppb	360.7	361.11	± 2 ppb	NO.

Analyzer Parameters

Sample Flow (800± 80 cc/min)	308	Sample Temp. (10 - 50 °C)	42.5
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	30.5
Slope (1 ± 0.15)	1.147	O_3 Measure (2500 - 4800 mV)	2775.7
Offset (0.0 ± 5 PPB)	2.5	O_3 Reference (2500 - 4800 mV)	2774.4.

Operator Comments:

Operator Signature:

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: ATTREDGE	Teledyne API T200 NOx Analyzer S/N	197	Calibration Start Time	0615
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0785
Date: 8-28-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	25.9

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	-0.3	-4.4	-4.7	0.6	Zero Drift ≤ ± 1.5 %	-0.1
400 ppb	400	395.1	-2.5	392.1	0.7	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	-0.3	± 2 ppb	NO
	NO_2	-0.0	NO_2	-0.4		
	NO_x	-0.1	NO_x	-0.3		
400 ppb	NO	400.6	NO	400.7	± 2 ppb	NO
	NO_2	0.3	NO_2	0.1		
	NO_x	400.0	NO_x	401.2		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	481	Moly Temp. (315 ± 5°C)	314.1
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.364	NO Slope (1 ± 0.3)	0.360
NOx Offset (0 ± 100)	36.9	NO Offset (0 ± 100)	-0.5

Operator Comments:

LEVEL 1 CONDUCTED TO CORRECT DRIFTING OBSERVED - DATA INVALIDATION REQ.

Operator Signature:

East Plant

NOx Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ARRIEUE	Teledyne API T200 NOx Analyzer S/N	197	Verification Start Time	1030
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	1115
Date: 9-24-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	23.6

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	0.2	0.2	0.2	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	395.9	-0.6	395.5	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	0.2	NO_2	0.2		
	NO_x	0.2	NO_x	0.3		
400 ppb	NO	395.9	NO	396.4	± 2 ppb	NO
	NO_2	-0.6	NO_2	-0.8		
	NO_x	395.5	NO_x	395.8		

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)	0.364	NO Slope (1 ± 0.3)	0.364
NOx Offset (0 ± 100)	264	NO Offset (0 ± 100)	-0.5

Operator Comments:

ZERO SPAN TOOK A LONG TIME TO BECOME STABLE - RPA

Operator Signature:

East Plant

SO$_2$ Level 2 Zero and Span Verification
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ATTREDGE	Teledyne API T100 SO_2 Analyzer S/N	193	Verification Start Time	1030
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	1157
Date: 9-24-2015			T100 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	24.2

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	0.1	0.01	Zero Drift ≤ ± 1.5 %	NO
400 ppb	400	401.2	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	0.2	± 2 ppb	NO
400 ppb	401.2	402.1	± 2 ppb	NO

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	425	Sample Press. (Ambient ± 2 in-Hg)	26.9
UV Lamp (1000 - 4800 mV)	3012.8	Lamp Ratio (30 - 120%)	127.6
Slope (1 ± 0.3)	1.059	BOX Temp. (Ambient ± 5°C)	32.4
Offset (< 250 mV)	24.4	HVPS (400 - 900 V)	614.4

Operator Comments:

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	1030
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Verification Stop Time	1125
Date: 9-24-2015			T400 Analyzer Range	500 ppb
			Shelter Temperature (5-40 ° C)	22.9

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	-0.0	0.2	Zero Drift ≤ ± 1.5 %	NO
400 ppb	401	401.1	0.5	Span Drift ≤ ± 7 %	NO

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	-0.0	0.2	± 2 ppb	NO
400 ppb	401.1	401.9	± 2 ppb	NO

Analyzer Parameters

Sample Flow (400± 80 cc/min)	355	Sample Temp. (10 - 50 °C)	40.2
Photo Lamp (58 ± 1 °C)	58.0	BOX Temp. (30 ± 20 °C)	28.0
Slope (1 ± 0.15)	1.120	O_3 Measure (2500 - 4800 mV)	2771.8
Offset (0.0 ± 5 PPB)	-2.0	O_3 Reference (2500 - 4800 mV)	2772.9

Operator Comments:

Operator Signature:

East Plant

NOx Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. ARRIDGE	Teledyne API T200 NOx Analyzer S/N	97	Calibration Start Time	0630
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0820
Date: 9-16-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	26.1

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	6.9	7.1	0.4	Zero Drift ≤ ± 1.5 %	-0.1
400 ppb	400	400.9	-0.2	400.6	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	0.0	NO	-0.2	± 2 ppb	NO
	NO_2	-0.1	NO_2	-0.4		
	NO_x	-0.1	NO_x	-0.2		
400 ppb	NO	401.5	NO	401.8	± 2 ppb	NO
	NO_2	0.4	NO_2	0.4		
	NO_x	401.7	NO_x	402.3		

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	475	Moly Temp. (315 ± 5°C)	315.2
Ozone Flow (80 ± 15 cc/min)	81	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.364	NO Slope (1 ± 0.3)	0.364
NOx Offset (0 ± 100)	26.4	NO Offset (0 ± 100)	-0.5

Operator Comments:
Initial response for the Zero span failed-
Facility power outages reported

Operator Signature:

East Plant

SO_2 Level 1 Zero and Span Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: Attridge	Teledyne API T100 SO_2 Analyzer S/N	193	Calibration Start Time	0630
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0833
Date: 9-16-2015			T100 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40%	Shelter Temperature (5-40 ° C)	26.1

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	-0.8	0.05	Zero Drift ≤ ±1.5 %	0.05
400 ppb	400	400.8	0.3	Span Drift ≤ ±10 %	400.1

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.05	0.3	± 2 ppb	NO
400 ppb	400.1	400.9	± 2 ppb	NO

Analyzer Parameters

Sample Flow (~~650~~ 450 ± 65 cc/min)	428	Sample Press. (Ambient ± 2 in-Hg)	26.9
UV Lamp (1000 - 4800 mV)	2946.0	Lamp Ratio (30 - 120%)	124.6
Slope (1 ± 0.3)	1.059	BOX Temp. (Ambient ± 5°C)	33.4
Offset (< 250 mV)	24.4	HVPS (400 - 900 V)	614

Operator Comments:

Local Power outages reported by client
analyzer reported system reset
data invalidation required

Operator Signature:

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	0630
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Calibration Stop Time	0855
Date: 9-16-2015			T400 Analyzer Range	500
			Shelter Temperature (5-40 ° C)	26.1

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	4.6	0.3	Zero Drift ≤ ± 1.5 %	0.3
400 ppb	400	410.2	0.5	Span Drift ≤ ± 7 %	400.9

Real time Analyzer vs. Logger Data Comparison

Target Dilution (ppb)	Analyzer Response (ppb)	Logger Response (ppb)	Acceptance Criteria	Adjustment Required?
Zero Air	0.3	0.6	± 2 ppb	NO
400 ppb	400.9	401.4	± 2 ppb	NO

Analyzer Parameters

Sample Flow (400 ± 80 cc/min)	352	Sample Temp. (10 - 50 °C)	40.8
Photo Lamp (58 ± 1 °C)	580	BOX Temp. (30 ± 20 °C)	28.8
Slope (1 ± 0.15)	1.120	O_3 Measure (2500 - 4800 mV)	2776.1
Offset (0.0 ± 5 PPB)	-2.0	O_3 Reference (2500 - 4800 mV)	2776.5

Operator Comments:

Initial response for the zero span failed.
Facility power outages reported
data invalidation required — RAA

Operator Signature:

Appendix I: Audits and Calibrations

AIR SCIENCES INC.

DENVER • PORTLAND

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
JULY 2015

TABLE OF CONTENTS

1.0 Introduction....1
2.0 System Description....3
3.0 Audit and Calibration Methodology....5
3.1 Meteorological Sensor Audit Procedures....5
3.2 Meteorological Sensor Calibration Procedures....6
3.3 Particulate Matter Audit Procedures....6
3.4 Ambient Gas Audit Procedures....7
4.0 Results and Recommendations....8

Tables

Table 1. Sensors and Particulate Inlet Heights (meters above the ground)....3

Figures

Figure 1. Project Location Map – Resolution Copper East Plant and West Plant Monitoring Station Locations....2

Appendices

Appendix A – Audit and Calibration Forms

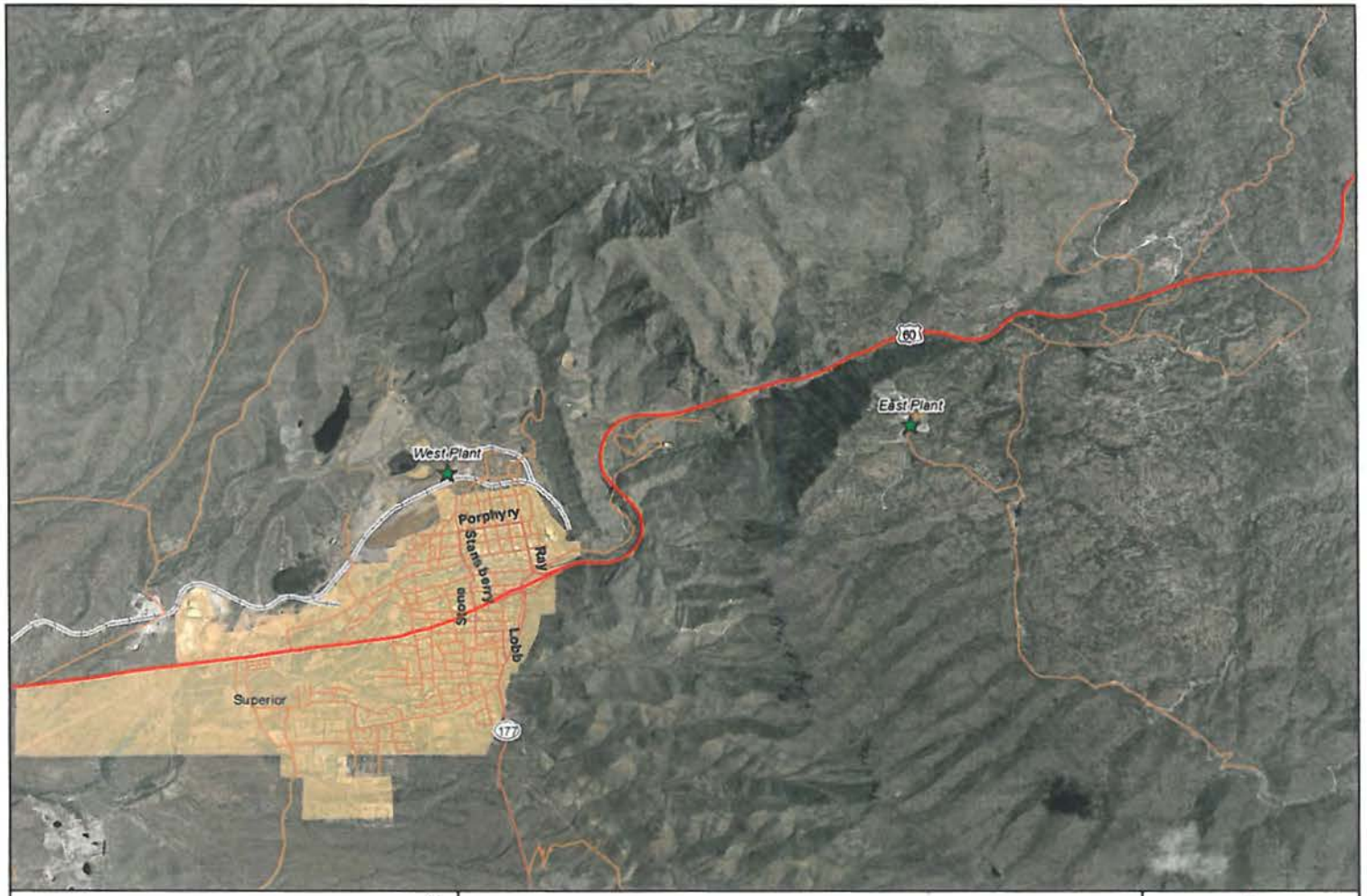
1.0 INTRODUCTION

On July 14, 2015, through July 15, 2014, the meteorological and air quality 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 was conducted in accordance with the following guideline documents:

- EPA-450/4-87-007, Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), May 1987
- EPA-454/R-99-005, Meteorological Monitoring Guidance for Regulatory Modeling Applications, Section 8.4, February 2000
- EPA-454/B-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



0 0.4 0.8 1.6 Miles

N

Version: 06/08/2011

Project No: 262-01

Figure 1

East Plant and West Plant Monitor Locations

AIR SCIENCES INC.

DENVER • PORTLAND

2.0 SYSTEM DESCRIPTION

The instrumentation calibrated and/or audited 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 two-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 meteorological, particulate, and 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 Meteorological Sensor Audit Procedures

The wind speed sensor audit was performed by rotating the sensor shaft using a DC-powered variable-speed motor equipped with an optical encoder output referenced to a crystal oscillator. A target sensor speed was calculated based on the audit rotational speed and compared to the instantaneous datalogger reading. An R. M. Young Torque Disc was used to measure the anemometer starting torque. All data were recorded on a standardized form.

The audit of the wind direction system was performed by aligning the tail vane of the sensor to its mounting cross-arm. A Brunton Precision Magnetic Compass (BPMC) mounted on a tripod was used to establish the orientation of the cross-arm using the Magnetic Declination Method.[1] With the wind direction sensor oriented along the axis of the cross-arm, the sensor response was compared to the BPMC-measured value and recorded on a standardized form. The potentiometer linearity was checked by recording the system response at 45-degree intervals over the operating range of the system. Data were recorded on a standardized form.

The ambient temperature sensor audit was performed by comparing the temperature sensor in-situ to a NIST-traceable[2] temperature sensor. Both thermometer and datalogger readings were recorded on a standardized form.

The differential temperature sensor audit was performed by immersing both temperature sensors in a series of three water baths within the range of the temperature sensors. Positive and negative temperature differentials were checked by immersing the sensors in separate water baths. All cabling and associated wiring remained intact for the audit of both sensors. A Precision Temperature Sensor was used to measure the bath temperatures. All audit data were recorded on standardized forms.

The solar radiation sensor audit was performed by comparing the sensor in-situ to a calibrated pyranometer wired to an independent datalogger. Both the standard and the datalogger readings were recorded on a standardized form.

---

[1] Refer to section 2.5.2.2 of the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008, for more details.

[2] National Institute of Standards and Technology

The relative humidity sensor audit was performed by comparing the humidity sensor in-situ to a NIST-traceable humidity sensor. Both the standard and datalogger readings were recorded on a standardized form.

The precipitation gauge was audited by employing a graduated syringe and distilled water. The volume of water required to cause the tipping bucket to activate was measured repeatedly, averaged, and compared to the calculated value for the activation. All volumes were recorded on a standardized form.

The barometric pressure sensor audit was performed by comparing the sensor in-situ to a NIST-traceable barometric pressure standard. Both the standard and datalogger readings were recorded on a standardized form.

3.2 Meteorological Sensor Calibration Procedures

The wind speed sensor calibration was performed by rotating the sensor shaft using a DC-powered variable-speed motor equipped with an optical encoder output referenced to a crystal oscillator. A target sensor speed was calculated based on the audit rotational speed and compared to the instantaneous datalogger reading. An R. M. Young Torque Disc was used to measure the anemometer starting torque. All data were recorded on a standardized form.

The calibration of the wind direction system was performed by aligning the tail vane of the sensor to its mounting cross-arm. A BPMC mounted on a tripod was used to establish the orientation of the cross-arm using the Magnetic Declination Method. With the wind direction sensor oriented along the axis of the cross-arm, the sensor response was compared to the BPMC-measured value and recorded on a standardized form. The potentiometer linearity was checked by recording the system response at 45-degree intervals over the operating range of the system. Data were recorded on a standardized form.

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.

3.4 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.

3.5 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.

4.0 RESULTS AND RECOMMENDATIONS

All instruments, sensors, and operating systems were found to be clean, serviceable, and within their recommended tolerance parameters.

Meteorological, particulate, and gaseous data collected during the on-site audit and calibration activities described in this report will be invalidated.

Appendix A – Audit and Calibration Forms

METEOROLOGICAL STATION AUDIT SUMMARY

AIR SCIENCES INC.

DENVER • PORTLAND

Client : Resolution Copper Company
Project No. : 262-13
Site : East Plant
Date : 7/14/2015
Time: 15:00 - 16:15
Personnel: R. Attridge
A. Schlabaugh

SITE MONITORING PARAMETERS AND SENSORS				
Parameter	**Sensors**	**Model #**	**Serial Number**	**Instrument Location on Site**
Datalogger	Campbell Sci. Micrologger	CR3000	6591	1 meter
Wind Speed	R. M. Young Wind Monitor	5305	112953	10 meters
Wind Direction	R. M. Young Wind Monitor	5305	112953	10 meters
Ambient Temperature	Campbell Sci. Probe	HC2S3-L	60749863	2 meters
Relative Humidity	Campbell Sci. Probe	HC2S3-L	60749863	2 meters
Barometric Pressure	Vaisala PTB110 Barometer	PTB110	G0077095	1 meter
Delta Temperature (2m)	R. M. Young 1K RTD Temp. Sensor	41342	20208	2 meters
Delta Temperature (10m)	R. M. Young 1K RTD Temp. Sensor	41342	020213	10 meters
Solar Radiation	Campbell Sci. Pyranometer	CMP3	115422	2 meters
Precipitation	R. M. Young Heated Rain Gauge	52202	8721	Ground

QUALITY ASSURANCE AUDIT EQUIPMENT				
Parameter	**Reference Device**	**Model #**	**Serial Number**	**Re-Calibration Date**
Datalogger	Campbell Sci. Micrologger	CR 850	11739	10/1/2017
System Accuracy & Linearity	Compass	N/A	5080695331	9/1/2015
Wind Speed	R. M. Young Anemometer Drive	18802	CA03393	9/1/2015
Torque	Disk 2	N/A	N/A	N/A
Ambient Temperature	HygroClip 2	HC2S3	61081084	9/1/2015
Relative Humidity	HygroClip 2	HC2S3	61081084	9/1/2015
Barometric Pressure	Vaisala PTB110 Barometer	CS106	K3210009	8/1/2015
Delta Temperature	Campbell Sci. RTD Probe	41342	TS22881	9/1/2015
Solar Radiation	Campbell Sci. Pyranometer	CMP6	123274	11/1/2016
Precipitation	10 mL Syringe	N/A	N/A	N/A

WIND SPEED, 10 METERS, AS LEFT
Calibration Summary

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: 5305
Serial No: 77645

Calibration Motor No.: CA03393
Calibration Disk No.: Disk 2

System Linearity Check

	Standard RPM	Target* m/s	Logger Reading m/s	Difference m/s	Acceptance Criteria
CW	0.0	0.00	0.00	0.00	0.0
CW	200.0	1.02	1.02	0.00	0.3
CW	400.0	2.05	2.04	-0.01	0.3
CW	600.0	3.07	3.07	0.00	0.4
CW	800.0	4.10	4.09	-0.01	0.4
CW	1000.0	5.12	5.12	0.00	0.5
CW	2000.0	10.24	10.24	0.00	0.7
CW	3000.0	15.36	15.36	0.00	1.0
CW	4000.0	20.48	20.48	0.00	1.2
CW	5000.0	25.60	25.60	0.00	1.5

RM Young
*Target (m/s) = rpm x 0.00512

Bearing Torque Test (Passing 0.4 m/s = 0.6 g-cm)

Clockwise 0.2 g-cm
Counterclockwise 0.2 g-cm

Audited By: R. Attridge

WIND DIRECTION, 10 METERS, AS LEFT
Calibration Summary

AIR SCIENCES INC.

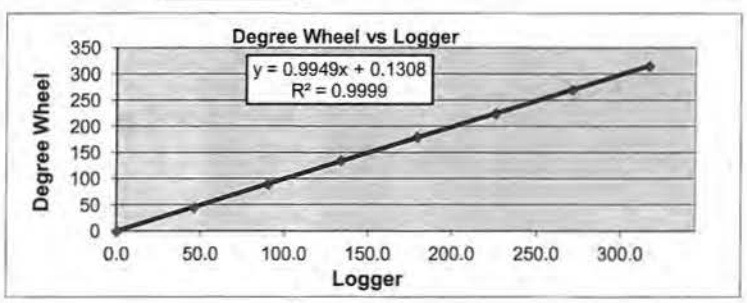
Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: 5305 Serial No: 77645 Compass No.: 5080695331

System Accuracy and Linearity Check Declination[1] = 10 °East

Orientation	Compass (w/o declination) (Degrees)	Compass (w/declination) (Degrees)	Target (Degrees)	Logger Reading (Degrees)	Difference (Degrees)	Acceptance Criteria
1. Vane	167.0	177.0	177.0	180.3	3.3	±5
Tail	3.0	357.0	357.0	2.3	5.3	±5

CW	Initial Logger (Degrees)	Difference (Degrees)	Corrected Logger (Degrees)	Difference (Degrees)	Acceptance Criteria [2]
0	0.3	0.3	-0.4	-0.4	±3
45	46.2	1.2	45.5	0.5	±3
90	90.3	0.3	89.6	-0.4	±3
135	134.2	-0.8	133.5	-1.5	±3
180	179.6	-0.4	178.9	-1.1	±3
225	225.9	0.9	225.2	0.2	±3
270	271.5	1.5	270.8	0.8	±3
315	317.5	2.5	316.8	1.8	±3
Avg		0.7			
CCW					
0	1.1	1.1	0.1	0.1	±3
45	47.9	2.9	46.9	1.9	±3
90	90.3	0.3	89.3	-0.7	±3
135	134.2	-0.8	133.2	-1.8	±3
180	180.2	0.2	179.2	-0.8	±3
225	223.7	-1.3	222.7	-2.3	±3
270	272.6	2.6	271.6	1.6	±3
315	317.8	2.8	316.8	1.8	±3
Avg		1.0			



Audited By: R. Attridge

[1] Declination added to compass
[2] May reference wider acceptance criteria in *QA Handbook for Air Pollution Measurement Systems, Volume IV - Meteorological Measurements, August 1989*

AMBIENT TEMPERATURE, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: HC2S3-L
Std Model: HC2S3

Serial No: 60749863
Ref Serial No: 61081084

System Linearity Check

	Standard (°C)	Logger Reading (°C)	Difference (°C)	Acceptance Criteria
1.	36.3	35.7	0.6	±2
2.	36.4	35.8	0.6	±2
3.	36.5	35.9	0.6	±2
4.	36.6	36.1	0.5	±2
5.	36.6	36.2	0.4	±2
6.	36.7	36.3	0.4	±2
7.	36.7	36.4	0.3	±2
8.	36.8	36.5	0.3	±2
9.	36.8	36.6	0.2	±2
10.	36.8	36.6	0.2	±2

Audited By: A. Schlabaugh

RELATIVE HUMIDITY, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: HC2S3-L
Std Model: HC2S3

Serial No: 60749863
Std Serial No: 61081084

	Standard (%)	Logger Reading (%)	Difference (%)	Acceptance Criteria (%)
1.	18.6	16.7	1.9	±7
2.	19.1	17.3	1.8	±7
3.	19.1	17.1	2.0	±7
4.	19.1	17.0	2.1	±7
5.	19.1	17.1	2.0	±7
6.	19.6	17.2	2.4	±7
7.	19.1	17.1	2.0	±7
8.	19.1	16.8	2.3	±7
9.	19.2	16.9	2.3	±7
10.	19.4	17	2.4	±7

Audited By: A. Schlabaugh

DELTA TEMPERATURE, 2 and 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: 41342 Serial No (2m): 20208
Serial No (10m): 020213
Std Model: 41342 Std Serial No: TS22881

Aspirator Fans Working Properly? Y

	Standard (°C)	2 Meter (°C)	10 Meter (°C)	Difference 2 Meter [1] (°C)	Difference 10 Meter [1] (°C)
Bath 1	6.20	6.25	6.27	0.05	0.07
Bath 2	20.30	20.29	20.31	0.01	0.01
Bath 3	42.29	42.23	42.26	0.06	0.03

Delta T [2] (°C)	Difference 10M vs. 2M
	0.02
	0.02
	0.03

1. The acceptance criteria for deviation from the standard for both upper and lower temperatures is ± 0.5
2. The acceptance criteria for deviation from the standard for delta temperatures is ± 0.1

Audited By: A. Schlabaugh

BAROMETRIC PRESSURE, 1 METER
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: PTB110 Serial No: G0077095
Std Model: CS106 Std Serial No: K3210009

System Linearity Check

	Standard (mmHg)	Logger Reading (mmHg)	Difference (mmHg)	Acceptance Criteria (mmHg)
1.	651.4	651.7	-0.3	±2.3
2.	651.4	651.7	-0.3	±2.3
3.	651.4	651.7	-0.3	±2.3
4.	651.4	651.7	-0.3	±2.3
5.	651.4	651.7	-0.3	±2.3

Audited By: A. Schlabaugh

SOLAR RADIATION, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: CMP3 Serial No: 115422
Std Model: CMP6 Std Serial No: 123274

System Linearity Check

	Standard (w/m^2)	Logger Reading (w/m^2)	Difference (w/m^2)	Difference (%)	Acceptance Criteria
Covered Reading	0.0	1.0	-1.0		± 25 W/m^2 or 5%
1.	710.2	726.3	-16.1	2.2	± 25 W/m^2 or 5%
2.	958.3	938.4	19.9	-2.1	± 25 W/m^2 or 5%
3.	960.5	948.7	11.8	-1.2	± 25 W/m^2 or 5%
4.	956.1	934.4	21.7	-2.3	± 25 W/m^2 or 5%
5.	947.2	937.6	9.6	-1.0	± 25 W/m^2 or 5%
6.	945.4	936.8	8.6	-0.9	± 25 W/m^2 or 5%
7.	942.3	933.2	9.1	-1.0	± 25 W/m^2 or 5%
8.	934.3	920.9	13.4	-1.5	± 25 W/m^2 or 5%
9.	868.1	870.4	-2.3	0.3	± 25 W/m^2 or 5%
10.	943.6	931.8	11.8	-1.3	± 25 W/m^2 or 5%
		Average	8.8		

Audited By: A. Schlabaugh

PRECIPITATION, GROUND LEVEL
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

Model: 52202 Serial No: 8721

System Linearity Check

	Water (cc)	Calculated Target* (inches)	Logger Reading (inches)	Difference (inches)
1.	2.10	0.0042	0.004	0.000
2.	2.10	0.0042	0.004	0.000
3.	2.10	0.0042	0.004	0.000
4.	2.10	0.0042	0.004	0.000
5.	2.10	0.0042	0.004	0.000
6.	2.10	0.0042	0.004	0.000
7.	2.10	0.0042	0.004	0.000
8.	2.00	0.0040	0.004	0.000
9.	2.00	0.0040	0.004	0.000
10.	2.00	0.0040	0.004	0.000
Total	20.70	0.0412	0.040	0.001

Reading taken from final storage for period averaged data = 0.169 inches

Target (Campbell Scientific gauge) = water (cc)/2.01.004(inches)

Audited By: R. Attridge

COMMENTS & SIGNATURES
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: East Plant
Project: 262-13
Date: 7/14/2015

COMMENTS:

Data shall be invalidated from 15:00 to 16:15hrs resulting from audit activities.

Signatures:

East Plant BAM-1020 PM_{10} Audit Sheet

AIR SCIENCES INC.

Model:	BAM-1020	**Serial Number:**	M8714
Audit Date:	7/14/2015	**Audited By:**	A. Schlabaugh
Audit Time:	1400hrs		

Firmware:

Flow Audits			
Flow Reference Standard Used:	Model:	Serial No:	Calibration Date:
Temperature Standard Used:	Model:	Serial No:	Calibration Date:
Barometric Pressure Standard Used:	Model:	Serial No:	Calibration Date:

Leak Check Value: as found: 0.4 Should Be: <1.0 as left: 0.5 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	32.6	33.0	as left:	33.6	34.0	Adjusted	
Barometric Pressure (mmHg):	as found:	653	651.0	as left:	651.0	651.0	Adjusted	x
Flow Rate (15.0 LPM):	as found:	15.0	15.25	as left:	15.0	15.23	Adjusted	
Flow Rate (18.4 LPM):	as found:	18.4	18.65	as left:	18.4	18.63	Adjusted	
Flow Rate (16.7 LPM):	as found:	16.7	16.94	as left:	16.7	16.92	Adjusted	

Audit Notes:

Mechanical Audits

Pump muffler unclogged:	As found	x	As left	X	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	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	x		
Grounded	As found	x	As left	x	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:	7/14/2015	**Audited By:**	A. Schlabaugh
Audit Time:	1400hrs		

Firmware:

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3-10-15
Temperature Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3-10-15
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3-10-15

Leak Check Value:	as found:	0.5	Should Be: <1.0	as left:	0.6	Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	33.8	31.8	as left:	31.7	31.6	Adjusted	X
Barometric Pressure (mmHg):	as found:	651	651.5	as left:	651	651.5	Adjusted	
Flow Rate (15.0 LPM):	as found:	15.0	15.21	as left:	15.0	15.15	Adjusted	
Flow Rate (18.4 LPM):	as found:	18.3	18.50	as left:	18.2	18.19	Adjusted	
Flow Rate (16.7 LPM):	as found:	16.6	16.90	as left:	16.7	16.60	Adjusted	

Audit Notes: **72hr BKGD test completed. New BKGD value is -0.0033.**

Mechanical Audits

Pump muffler unclogged:	As found	x	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	x	As left	x	N/A	
Rubber pinch rollers clean:	As found		As left	x	Inlet tube water-tight seal OK:	As found	x	As left	x		
Chassis ground wire installed:	As found	x	As left		Inlet tube perpendicular to BAM:	As found	x	As left			

Signature:

East Plant

O_3 Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: A. Schlabaugh	Teledyne API T400 O_3 Analyzer S/N	224	Multipoint Start Time	11:45
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	12:50
Date: 7/15/2015			T400 Analyzer Range	500ppb
			Shelter Temperature (5-40 ° C)	23.7

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	0.5	PASS, <2% FS
100	100	101.9	101.3	PASS, 1.2%
200	201	202.8	203.2	PASS, 0.3%
300	300	303.7	303.0	PASS, 0.3%
400	401	404.8	404.9	PASS, 0.1%
500	500	504.4	504.7	PASS, 0.2%

Best Fit Line (BFL)

$$Y = 1.0086x + 0.4535$$

$$R^2 = 0.99999$$

Analyzer Parameters

Sample Flow (400 ± 80 cc/min)	386	Sample Temp. (10 - 50 °C)	39.6
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	27.9
Slope (1 ± 0.15)	1.065	O_3 Measure (2500 - 4800 mV)	2800.5
Offset (0.0 ± 5 PPB)	-2.2	O_3 Reference (2500 - 4800 mV)	2801.6

Operator Comments:

Operator Signature:

East Plant

SO_2 Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

Operator: A. Schlabaugh	Teledyne API T100 SO_2 Analyzer S/N	193	Multipoint Start Time	07:45
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	816	Multipoint Stop Time	10:38
Date: 7/15/2015			T100 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40 ppm	Shelter Temperature (5-40 ° C)	23.3

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	0.03	0.67	PASS, <2%FS
100	100	103.30	104.88	PASS, 1.5%
200	200	209.22	209.10	PASS, 0.1%
300	300	314.99	313.32	PASS, 0.5%
400	400	417.39	417.54	PASS, 0%
500	500	520.89	521.76	PASS, 0.2%

Best Fit Line (BFL)

$$Y = 1.0422x + 0.6652$$

$$R^2 = 0.9999$$

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	624	Sample Press. (Ambient ± 2 in-Hg)	25.8
UV Lamp (1000 - 4800 mV)	2408.7	Lamp Ratio (30 - 120%)	101.9
Slope (1 ± 0.3)	1.378	BOX Temp. (Ambient ± 5°C)	29.7
Offset (< 250 mV)	25.9	HVPS (400 - 900 V)	614

Operator Comments:

Operator Signature:

East Plant

NOx Multipoint Audit
Resolution Copper Mining

AIR SCIENCES INC.

BENDER • PORTLAND

Operator: A. Schlabaugh	Teledyne API T200 NOx Analyzer S/N	197	Multipoint Start Time	1040
	Teledyne API T700 Transfer Standard Dilution Calibrator S/N	191	Multipoint Stop Time	1140
Date: 7-15-2015			T200 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40 ppm	Shelter Temperature (5-40 ° C)	22.0

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	-0.2	-0.1	2.1	PASS, 0 ± 5
100	100	101.7	1.0	102.7	104.3	PASS, 1.5%
200	200	207.6	2.6	210.2	206.5	PASS, 1.8%
300	300	306.3	6.0	312.2	308.7	PASS, 1.1%
400	400	404.8	4.6	409.6	410.9	PASS, 0.3%
500	500	507.7	2.6	510.8	513.1	PASS, 0.4%

Best Fit Line (BFL)

$Y = 0.9942x + 0.6767$

$R^2 = 0.99988$

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	475	Moly Temp. (315 ± 5°C)	316.2
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	1.178	NO Slope (1 ± 0.3)	1.174
NOx Offset (0 ± 100)	4.5	NO Offset (0 ± 100)	0.1

Operator Comments:

Annual Services Completed

Operator Signature:

East Plant

O_3 Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Attridge	Teledyne API T400 O_3 Analyzer S/N	224	Multipoint Start Time	16:30
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Multipoint Stop Time	17:55
Date: 7/15/2015			T400 Analyzer Range	500 ppb
			Shelter Temperature (5-40 ° C)	20.9

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	0.3	0.4	PASS, <2% FS
100	100	103.2	101.5	PASS, 1.7%
200	200	204.8	202.5	PASS, 1.1%
300	300	306.2	303.6	PASS, 0.8%
400	400	399.9	404.7	PASS, 1.2%
500	500	508.1	505.8	PASS, 0.%5

Best Fit Line (BFL)

$$Y = 1.0109x + 0.3679$$

$$R^2 = 0.9998$$

Analyzer Parameters

Sample Flow (400 ± 80 cc/min)	359	Sample Temp. (10 - 50 °C)	39.2
Photo Lamp (58 ± 1 °C)	58	BOX Temp. (30 ± 20 °C)	27.9
Slope (1 ± 0.15)	1.090	O_3 Measure (2500 - 4800 mV)	2792.1
Offset (0.0 ± 5 PPB)	-2.0	O_3 Reference (2500 - 4800 mV)	2793.2

Operator Comments:

Operator Signature:

East Plant
NOx Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Attridge	Teledyne API T200 NOx Analyzer S/N	197	Multipoint Start Time	19:15
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	816	Multipoint Stop Time	20:30
Date: 7/15/2015			T200 Analyzer Range	500ppb
	NIST Traceable Gas Conc.	40 ppb NO	Shelter Temperature (5-40 ° C)	25.4

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	-0.1	0.1	0.1	2.3	PASS, 0 ± 5
100	101	103.3	-0.7	102.6	102.6	PASS, 0%
200	200	204.0	0.2	204.1	200.9	PASS, 1.6%
300	300	300.5	0.1	300.6	300.3	PASS, 0.1%
400	400	400.0	0.2	400.2	399.6	PASS, 0.1%
500	500	497.3	-0.4	497.0	498.9	PASS, 0.4%

Best Fit Line (BFL)

$Y = 0.9934x + 2.2597$

$R^2 = 0.99989$

Analyzer Parameters

Sample Flow (500 ± 50 cc/min)	482	Moly Temp. (315 ± 5°C)	315.3
Ozone Flow (80 ± 15 cc/min)	80	HVPS (400 - 900 V)	674
NOx Slope (1 ± 0.3)	0.865	NO Slope (1 ± 0.3)	0.868
NOx Offset (0 ± 100)	-6.5	NO Offset (0 ± 100)	-10.9

Operator Comments:

Operator Signature:

East Plant

SO_2 Multipoint Calibration
Resolution Copper Mining

AIR SCIENCES INC.

Operator: R. Attridge	Teledyne API T100 SO_2 Analyzer S/N	193	Multipoint Start Time	20:40
	Teledyne API T700 Primary Standard Dilution Calibrator S/N	191	Multipoint Stop Time	22:00
Date: 7/15/2015			T100 Analyzer Range	500 ppb
	NIST Traceable Gas Conc.	40 ppm	Shelter Temperature (5-40 ° C)	24.6

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	0.19	0.86	PASS, <2% FS
100	100	102.69	104.00	PASS. 1.3%
200	200	209.13	207.15	PASS, 1%
300	300	313.93	310.29	PASS, 1.2%
400	400	409.51	413.44	PASS, 0.9%
500	500	517.53	516.58	PASS, 0.2%

Best Fit Line (BFL)

$Y = 1.0314x + 0.8612$

$R^2 = 0.9998$

Analyzer Parameters

Sample Flow (650 ± 65 cc/min)	621	Sample Press. (Ambient ± 2 in-Hg)	25.7
UV Lamp (1000 - 4800 mV)	2392.1	Lamp Ratio (30 - 120%)	101.1
Slope (1 ± 0.3)	1.212	BOX Temp. (Ambient ± 5°C)	32.5
Offset (< 250 mV)	26.1	HVPS (400 - 900 V)	614

Operator Comments:

Operator 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
JULY 2015

TABLE OF CONTENTS

1.0 Introduction....1
2.0 System Description....3
3.0 Audit and Calibration Methodology....5
3.1 Meteorological Sensor Audit Procedures....5
3.2 Particulate Matter Audit Procedures....6
4.0 Results and Recommendations....7

Tables

Table 1. Sensor and Particulate Inlet Heights (meters above the ground)....3

Figures

Figure 1. Project Location Map – Resolution Copper East Plant and West Plant Monitoring Station Locations....2

Appendices

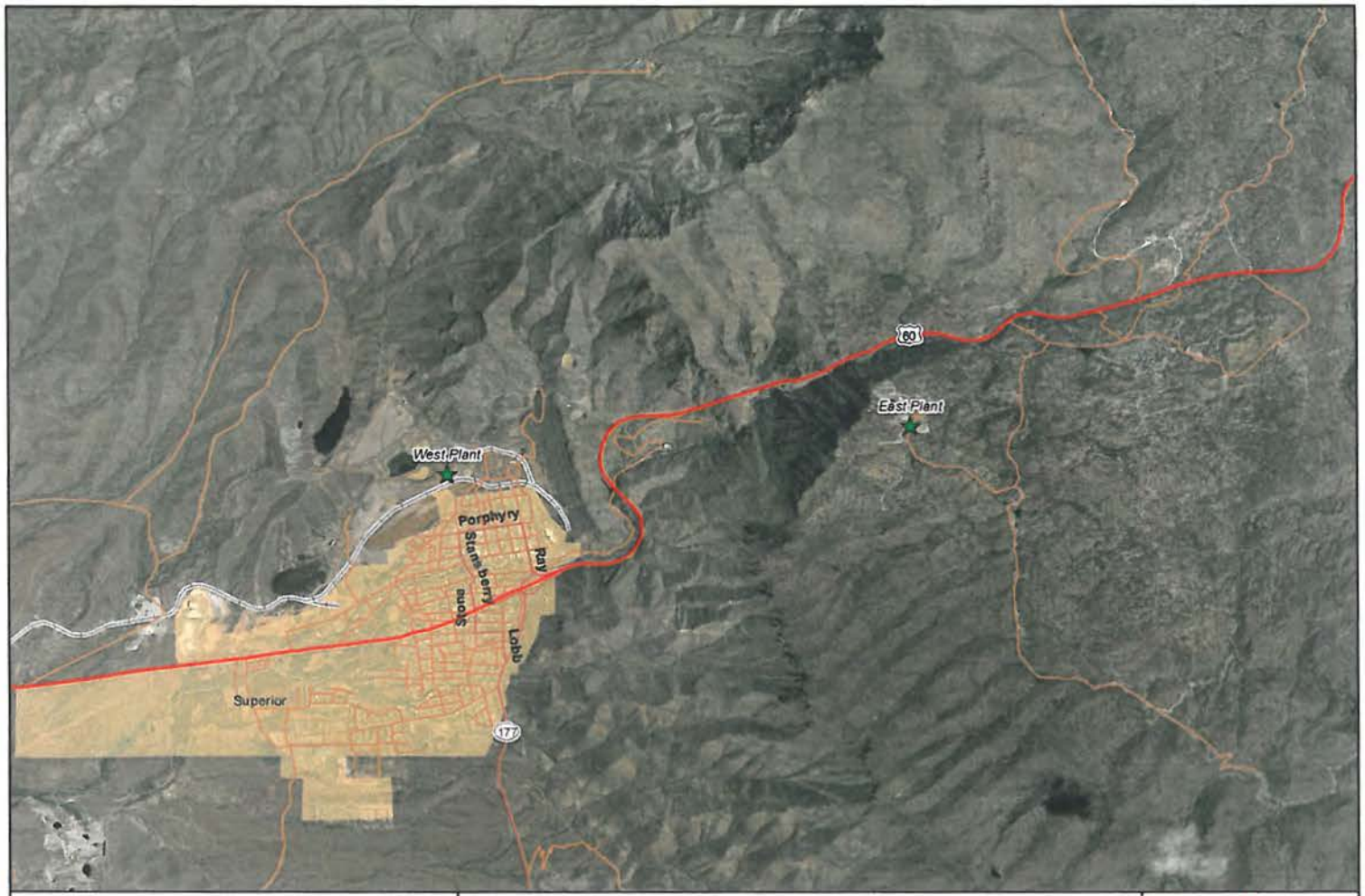
Appendix A – Audit Forms

1.0 INTRODUCTION

On July 13, 2015, and July 16, 2015, the meteorological and air quality 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 following guideline documents:

- EPA-450/4-87-007, Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), May 1987
- EPA-454/R-99-005, Meteorological Monitoring Guidance for Regulatory Modeling Applications, Section 8.4, February 2000
- EPA-454/B-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



Version: 06/08/2011

Project No: 262-01

Figure 1
East Plant and West Plant Monitor Locations

AIR SCIENCES INC.
DENVER • PORTLAND

2.0 SYSTEM DESCRIPTION

The instrumentation audited 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 datalogger powered independently by either DC solar 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 meteorological and particulate instrumentation at the Resolution Copper West Plant monitoring site. Copies of the completed audit and/or calibration forms for each parameter are included in Appendix A.

3.1 Meteorological Sensor Audit Procedures

The wind speed sensor audit was performed by rotating the sensor shaft using a DC-powered variable-speed motor equipped with an optical encoder output referenced to a crystal oscillator. A target sensor speed was calculated based on the audit rotational speed and compared to the instantaneous datalogger reading. An R. M. Young Torque Disc was used to measure the anemometer starting torque. All data were recorded on a standardized form.

The audit of the wind direction system was performed by aligning the tail vane of the sensor to its mounting cross-arm. A Brunton Precision Magnetic Compass (BPMC) mounted on a tripod was used to establish the orientation of the cross-arm using the Magnetic Declination Method.[1] With the wind direction sensor oriented along the axis of the cross-arm, the sensor response was compared to the BPMC-measured value and recorded on a standardized form. The potentiometer linearity was checked by recording the system response at 45-degree intervals over the operating range of the system.

The ambient temperature sensor audit was performed by comparing the temperature sensor in-situ to a NIST-traceable[2] temperature sensor. Both thermometer and datalogger readings were recorded on a standardized form.

The differential temperature sensor audit was performed by immersing both temperature sensors in a series of three water baths within the range of the temperature sensors. Positive and negative temperature differentials were checked by immersing the sensors in separate water baths. All cabling and associated wiring remained intact for the audit of both sensors. A Precision Temperature Sensor was used to measure the bath temperatures. All audit data were recorded on standardized forms.

The solar radiation sensor audit was performed by comparing the sensor in-situ to a calibrated pyranometer wired to an independent datalogger. Both the standard and the datalogger readings were recorded on a standardized form.

---

[1] Refer to section 2.5.2.2 of the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008, for more details.

[2] National Institute of Standards and Technology

The relative humidity sensor audit was performed by comparing the humidity sensor in-situ to a NIST-traceable humidity sensor. Both the standard and datalogger readings were recorded on a standardized form.

The precipitation gauge was audited by employing a graduated syringe and distilled water. The volume of water required to cause the tipping bucket to activate was measured repeatedly, averaged, and compared to the calculated value for the activation. All volumes were recorded on a standardized form.

The barometric pressure sensor audit was performed by comparing the sensor in-situ to a NIST-traceable barometric pressure standard. Both the standard and datalogger readings were recorded on a standardized form.

3.2 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 July 13, 2015, the Resolution West Plant meteorological monitoring station was audited, resulting in all sensors meeting the acceptance criteria except for the differential temperature and barometric pressure parameters. It is suspected that prolonged, unprotected equipment exposure to direct sunlight during 37°C conditions caused both the actual and transfer standard equipment to malfunction. As a precautionary measure, the West Plant delta temperature probes and barometer were replaced on July 16, 2015 to facilitate re-auditing procedures in a laboratory environment.

All instruments, sensors, and operating systems were found to be clean, serviceable, and within their recommended tolerance parameters.

All affected meteorological and particulate data will be invalidated due to the on-site audit and calibration activities.

Appendix A – Audit Forms

METEOROLOGICAL STATION AUDIT SUMMARY

AIR SCIENCES INC.

DENVER • PORTLAND

Client : Resolution Copper Company
Project No. : 262-13
Site : West Plant
Date : 7/13/2015
Time: 15:00 -18:00
Personnel: R. Attridge
A. Schlabaugh

SITE MONITORING PARAMETERS AND SENSORS				
Parameter	**Sensors**	**Model #**	**Serial Number**	**Instrument Location on Site**
Datalogger	Campbell Sci. Micrologger	CR3000	6590	1 meter
Wind Speed	R. M. Young Wind Monitor	5305	112952	10 meters
Wind Direction	R. M. Young Wind Monitor	5305	112952	10 meters
Ambient Temperature	Campbell Sci. Probe	HC2S3-L	60749962	2 meters
Relative Humidity	Campbell Sci. Probe	HC2S3-L	60749962	2 meters
Barometric Pressure	Vaisala PTB110 Barometer	PTB110	J3610003	1 meter
Delta Temperature (2m)	R. M. Young 1K RTD Temp. Sensor	41342	22517	2 meters
Delta Temperature (10m)	R. M. Young 1K RTD Temp. Sensor	41342	22516	10 meters
Solar Radiation	Campbell Sci. Pyranometer	CMP3	115433	2 meters
Precipitation	R. M. Young Heated Rain Gauge	52202	08738	Ground

QUALITY ASSURANCE AUDIT EQUIPMENT				
Parameter	**Reference Device**	**Model #**	**Serial Number**	**Re-Calibration Date**
Datalogger	Campbell Sci. Micrologger	CR 850	11739	10/16/2014
System Accuracy & Linearity	Compass	N/A	5080695331	9/30/2014
Wind Speed	R. M. Young Anemometer Drive	18802	CA03393	9/29/2014
Torque	Disk 2	N/A	N/A	N/A
Ambient Temperature	HygroClip 2	HC2S3	61081084	9/29/2014
Relative Humidity	HygroClip 2	HC2S3	61081084	9/29/2014
Barometric Pressure	Vaisala PTB110 Barometer	CS106	K3210009	8/4/2014
Delta Temperature	Campbell Sci. RTD Probe	41342	TS22881	9/28/2014
Solar Radiation	Campbell Sci. Pyranometer	CMP6	123274	11/5/2014
Precipitation	10 mL Syringe	N/A	N/A	N/A

WIND SPEED, 10 METERS, AS FOUND
Calibration Summary

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model:	5305	Calibration Motor No.:	CA03393
Serial No:	98304	Calibration Disk No.:	Disk 2

System Linearity Check

	Standard RPM	Target* m/s	Logger Reading m/s	Difference m/s	Acceptance Criteria
CW	0.0	0.00	0.00	0.00	0.0
CW	200.0	1.02	1.02	0.00	0.3
CW	400.0	2.05	2.04	-0.01	0.3
CW	600.0	3.07	3.07	0.00	0.4
CW	800.0	4.10	4.90	0.80	0.4
CW	1000.0	5.12	5.12	0.00	0.5
CW	2000.0	10.24	10.24	0.00	0.7
CW	3000.0	15.36	15.36	0.00	1.0
CW	4000.0	20.48	20.48	0.00	1.2
CW	5000.0	25.60	25.60	0.00	1.5

RM Young
*Target (m/s) = rpm x 0.00512

Bearing Torque Test (Passing 0.4 m/s = 0.6 g-cm)

Clockwise	0.2	g-cm
Counterclockwise	0.3	g-cm

Audited By: A. Schlabaugh

WIND DIRECTION, 10 METERS, AS FOUND
Calibration Summary

AIR SCIENCES INC.

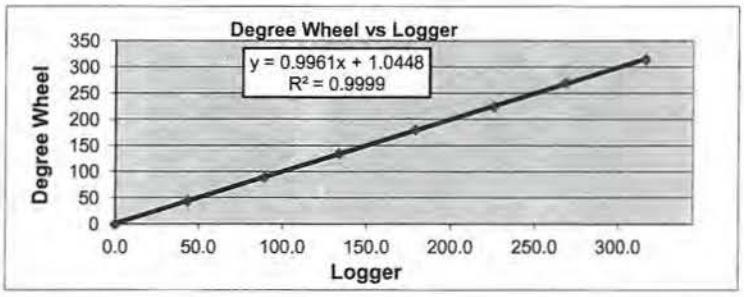
Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model: 5305 Serial No: 98304 Compass No.: 5080695331

System Accuracy and Linearity Check Declination[1] = 10 °East

Orientation	Compass (w/o declination) (Degrees)	Compass (w/declination) (Degrees)	Target (Degrees)	Logger Reading (Degrees)	Difference (Degrees)	Acceptance Criteria
1. Vane	182.0	172.0	172.0	171.1	-0.9	±5
Tail	0.2	352.0	352.0	353.2	1.2	±5

CW	Initial Logger (Degrees)	Difference (Degrees)	Corrected Logger (Degrees)	Difference (Degrees)	Acceptance Criteria [2]
0	0.1	0.1	0.5	0.5	±3
45	43.5	-1.5	43.9	-1.1	±3
90	89.2	-0.8	89.6	-0.4	±3
135	133.9	-1.1	134.3	-0.7	±3
180	179.2	-0.8	179.6	-0.4	±3
225	225.8	0.8	226.2	1.2	±3
270	268.2	-1.8	268.6	-1.4	±3
315	316.6	1.6	317.0	2.0	±3
Avg		-0.4			
CCW					
0	0.2	0.2	0.3	0.3	±3
45	44.3	-0.7	44.4	-0.6	±3
90	89.7	-0.3	89.8	-0.2	±3
135	134.3	-0.7	134.4	-0.6	±3
180	178.6	-1.4	178.7	-1.3	±3
225	225.4	0.4	225.5	0.5	±3
270	271.3	1.3	271.4	1.4	±3
315	315.6	0.6	315.7	0.7	±3
Avg		-0.1			



Audited By: A. Schlabaugh

[1] Declination added to compass
[2] May reference wider acceptance criteria in *QA Handbook for Air Pollution Measurement Systems, Volume IV - Meteorological Measurements, August 1989*

AMBIENT TEMPERATURE, 2 METERS
Calibration Summary

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model: HC2S3-L
Std Model: HC2S3

Serial No: 61247378
Ref Serial No: 61081084

System Linearity Check

	Standard (°C)	Logger Reading (°C)	Difference (°C)	Acceptance Criteria
1.	39.1	39.8	-0.7	±2
2.	39.2	39.9	-0.7	±2
3.	39.2	39.9	-0.7	±2
4.	39.2	39.9	-0.7	±2
5.	39.3	39.9	-0.6	±2
6.	39.2	39.9	-0.7	±2
7.	39.2	39.9	-0.7	±2
8.	39.2	39.9	-0.7	±2
9.	39.2	39.9	-0.7	±2
10.	39.2	39.9	-0.7	±2

Audited By: A. Schlabaugh

RELATIVE HUMIDITY, 2 METERS
Calibration Summary

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model: HC2S3-L
Serial No: 61247378
Std Model: HC2S3
Std Serial No: 61081084

	Standard (%)	Logger Reading (%)	Difference (%)	Acceptance Criteria (%)
1.	19.5	17.2	2.3	±7
2.	19.8	17.2	2.6	±7
3.	19.7	17.2	2.5	±7
4.	19.4	17.1	2.3	±7
5.	19.5	17.1	2.4	±7
6.	19.5	17.2	2.3	±7
7.	19.5	17.2	2.3	±7
8.	19.6	17.2	2.4	±7
9.	19.1	17	2.1	±7
10.	19.3	17.3	2.0	±7

Audited By: A. Schlabaugh

DELTA TEMPERATURE, 2 and 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/16/2015

Model:	41342	Serial No (2m):	22517
		Serial No (10m):	22516
Std Model:	41342	Std Serial No:	TS22881

Aspirator Fans Working Properly? Y

	Standard (°C)	2 Meter (°C)	10 Meter (°C)	Difference 2 Meter [1] (°C)	Difference 10 Meter [1] (°C)
Bath 1	6.48	6.39	6.40	0.09	0.08
Bath 2	29.75	29.67	29.68	0.08	0.07
Bath 3	45.00	45.03	44.98	0.03	0.02

Delta T [2] (°C)	Difference 10M vs. 2M
	0.01
	0.01
	0.05

1. The acceptance criteria for deviation from the standard for both upper and lower temperatures is ± 0.5
2. The acceptance criteria for deviation from the standard for delta temperatures is ± 0.1

Audited By: R. Attridge

BAROMETRIC PRESSURE, 1 METER
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/16/2015

Model: PTB110 Serial No: J0560099
Std Model: CS106 Std Serial No: K3210009

System Linearity Check

	Standard (mmHg)	Logger Reading (mmHg)	Difference (mmHg)	Acceptance Criteria (mmHg)
1.	683.5	685.4	-1.9	±2.3
2.	683.5	685.4	-1.9	±2.3
3.	683.5	685.4	-1.9	±2.3
4.	683.5	685.4	-1.9	±2.3
5.	683.5	685.4	-1.9	±2.3

Audited By: R. Attridge

SOLAR RADIATION, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model: CMP3 Serial No: 115433
Std Model: CMP6 Std Serial No: 123274

System Linearity Check

	Standard (w/m^2)	Logger Reading (w/m^2)	Difference (w/m^2)	Difference (%)	Acceptance Criteria
Covered Reading	0.0	0.0	0.0	0.0	± 25 W/m^2 or 5%
1.	727.6	730.6	-3.0	0.4	± 25 W/m^2 or 5%
2.	724.9	730.8	-5.9	0.8	± 25 W/m^2 or 5%
3.	729.8	734.2	-4.4	0.6	± 25 W/m^2 or 5%
4.	735.2	739.7	-4.5	0.6	± 25 W/m^2 or 5%
5.	739.2	741.3	-2.1	0.3	± 25 W/m^2 or 5%
6.	734.3	738.8	-4.5	0.6	± 25 W/m^2 or 5%
7.	730.0	730.8	-0.8	0.1	± 25 W/m^2 or 5%
8.	724.2	723.3	0.9	-0.1	± 25 W/m^2 or 5%
9.	733.8	740.0	-6.2	0.8	± 25 W/m^2 or 5%
10.	724.5	731.4	-6.9	0.9	± 25 W/m^2 or 5%
		Average	-3.7		

Audited By: A. Schlabaugh

PRECIPITATION, GROUND LEVEL
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/13/2015

Model: 52202 Serial No: 08738

System Linearity Check

	Water (cc)	Calculated Target* (inches)	Logger Reading (inches)	Difference (inches)
1.	2.00	0.0040	0.004	0.000
2.	2.10	0.0042	0.004	0.000
3.	2.10	0.0042	0.004	0.000
4.	2.00	0.0040	0.004	0.000
5.	2.10	0.0042	0.004	0.000
6.	2.10	0.0042	0.004	0.000
7.	2.10	0.0042	0.004	0.000
8.	2.10	0.0042	0.004	0.000
9.	2.00	0.0040	0.004	0.000
10.	2.00	0.0040	0.004	0.000
Total	20.60	0.0410	0.040	0.001

Reading taken from final storage for period averaged data = 0.04 inches

Target (Campbell Scientific gauge) = water (cc)/2.01.004(inches)

Audited By: R. Attridge

COMMENTS & SIGNATURES
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/16/2015

COMMENTS:

On 7/16/2015 the barometer and aspirated temperature probes were replaced as part of a preventative maintenance decision.

As a result of the audit activities, data shall be invalidated from 1500 - 1800hrs on 7/13/2015 and 0915 - 1115hrs on 7/16/2015.

The original barometer and temperature probes shall be audited in a controlled laboratory environment.

Signatures:

West Plant BAM-1020 PM_{10} Calibration Sheet

AIR SCIENCES INC.

Model:	**BAM-1020**	**Serial Number:**	M8712
Audit Date:	7/13/15	**Audited By:**	A.Schlabaugh
Audit Time:	1242 hrs		

Firmware: 3236-06 V3.6.3

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/2015
Temperature Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/2015
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/2015

Leak Check Value: as found: 0.2 Should Be: <1.0 as left: 0.2 Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature:	as found:	35.9	35.8	as left:	36.9	37.0	Adjusted	N
Barometric Pressure:	as found:	683	682	as left:	681	681	Adjusted	Y
Flow Rate (15.0 lpm):	as found:	15.1	14.99	as left:	15.0	14.98	Adjusted	N
Flow Rate (18.4 lpm):	as found:	18.4	18.37	as left:	18.4	18.37	Adjusted	N
Flow Rate (16.7 lpm):	as found:	16.7	16.69	as left:	16.7	16.63	Adjusted	N

Calibration Notes: Calibration and cleaning performed. Self test passed. BAM clock was approximately two minutes fast and was adjusted.

Mechanical Audits

Pump muffler unclogged:	As found	X	As left	X	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		As left	X	N/A	
Tape support vane clean:	As found		As left	X	PM10 bug screen clear:	As found	X	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	X		
Chassis ground wire installed:	As found	X	As left	X	Inlet tube perpendicular to BAM:	As found	X	As left	X		

Signature:

West Plant BAM-1020 $PM_{2.5}$ Audit Sheet

AIR SCIENCES INC

Model:	**BAM-1020**	**Serial Number:**	M8193
Audit Date:	7/13/2015	**Audited By:**	R. Attridge
Audit Time:	1245 hrs		

Firmware: 3236-06 V3.6.3

Flow Audits						
Flow Reference Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/15
Temperature Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/15
Barometric Pressure Standard Used:	Model:	DeltaCal	Serial No:	1103	Calibration Date:	3/10/15

Leak Check Value:	as found:	0.5	Should Be: <1.0	as left:	0.3	Should Be: <1.0

		BAM	Ref. Std.		BAM	Ref. Std.		
Ambient Temperature (°C):	as found:	35.4	36.8	as left:	37.0	37.5	Adjusted	Y
Barometric Pressure (mmHg):	as found:	683	682	as left:	682	682	Adjusted	N
Flow Rate (15.0 LPM):	as found:	15.0	15.10	as left:	15.0	14.86	Adjusted	Y
Flow Rate (18.4 LPM):	as found:	18.3	18.34	as left:	18.3	18.36	Adjusted	N
Flow Rate (16.7 LPM):	as found:	16.7	16.66	as left:	16.7	16.54	Adjusted	N

Audit Notes: **72hr BKGD test completed. New BKGD value is -0.0036. Calibration and cleaning completed. Corrected clock drift.**

Mechanical Audits

Pump muffler unclogged:	As found	x	As left	x	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	x	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	x		
Chassis ground wire installed:	As found	x	As left	x	Inlet tube perpendicular to BAM:	As found	x	As left	x		

Signature:

AIR SCIENCES INC.
DENVER • PORTLAND

TECHNICAL MEMORANDUM

WEST PLANT DIFFERENTIAL TEMPERATURE PROBES AND BAROMETRIC SENSOR LABORATORY AUDIT

PREPARED FOR: Project Reporting

PREPARED BY: Rory Attridge

PROJECT NO.: 262-13-3

DATE: July 21, 2015

On July 13, 2015, the Resolution West Plant meteorological monitoring station was audited, resulting in all sensors meeting the acceptance criteria except for the differential temperature and barometric pressure parameters. It is suspected that prolonged, unprotected equipment exposure to direct sunlight during 37°C conditions caused both the actual and transfer standard equipment to malfunction. As a precautionary measure, the West Plant delta temperature probes and barometer were replaced to facilitate re-auditing procedures in a laboratory environment.

The differential temperature audit was performed by immersing both temperature probes in a series of three water baths within the operating range of the temperature probes. Positive and negative temperature differentials were checked by immersing the sensors in separate water baths. All cabling and associated wiring were inspected and remained intact during the audit. A precision temperature sensor standard was used to measure the bath temperatures.

The barometric pressure audit was performed by comparing the barometric pressure sensor in-situ NIST-traceable barometric pressure standard.

All audit data were recorded on standardized forms and the results can be found in Attachment A.

Attachment A: Audit Summary

METEOROLOGICAL STATION AUDIT SUMMARY

AIR SCIENCES INC.

DENVER • PORTLAND

Client : Resolution Copper Company
Project No. : 262-13
Site : West Plant
Date : 7/20/2015
Time: 10:45 -12:15
Personnel: G. Gylys

DELTA TEMPERATURE, 2 and 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/20/2015

Model: 41342 Serial No (2m): 20205
Serial No (10m): 20211
Std Model: 41342 Std Serial No: TS22881

Aspirator Fans Working Properly? N/A

	Standard (°C)	2 Meter (°C)	10 Meter (°C)	Difference 2 Meter [1] (°C)	Difference 10 Meter [1] (°C)
Bath 1	3.89	3.70	3.77	0.19	0.12
Bath 2	18.85	18.52	18.59	0.33	0.26
Bath 3	40.62	40.68	40.65	0.06	0.03

Delta T [2] (°C)	Difference 10M vs. 2M
	0.07
	0.07
	0.03

1. The acceptance criteria for deviation from the standard for both upper and lower temperatures is ± 0.5
2. The acceptance criteria for deviation from the standard for delta temperatures is ± 0.1

Audited By: G. Gylys

BAROMETRIC PRESSURE, 1 METER
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/20/2015

Model: PTB110 Serial No: J0560099
Std Model: CS106 Std Serial No: J3610003

System Linearity Check

	Standard (mmHg)	Logger Reading (mmHg)	Difference (mmHg)	Acceptance Criteria (mmHg)
1.	613.7	613.8	-0.1	±2.3
2.	613.7	613.8	-0.1	±2.3
3.	613.7	613.8	-0.1	±2.3
4.	613.7	613.8	-0.1	±2.3
5.	613.7	613.8	-0.1	±2.3

Audited By: G. Gylys

COMMENTS & SIGNATURES
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: West Plant
Project: 262-13
Date: 7/20/2015

COMMENTS:

Due to site conditions and transfer standard auditing equipment complications on 7/13/2015, the sensors were pulled from service and audited in the lab.

Sensors passed the audit criteria.

The sensors were sent in for manufacturer recertification in preparation for future deployment.

Signatures:

AIR SCIENCES INC.

DENVER • PORTLAND

Audit Report Resolution Copper Hewitt Station Monitoring Site

PREPARED FOR:
RESOLUTION COPPER MINING

PREPARED BY:
AIR SCIENCES INC.

PROJECT NO. 262-13
JULY 2015

TABLE OF CONTENTS

1.0 Introduction....1
2.0 System Description....3
3.0 Audit Methodology....4
3.1 Meteorological Sensor Audit Procedures....4
3.2 SoDAR System Audit and Comparison Procedures....5
4.0 Results and Recommendations....6

Tables

Table 2-1. Sensor Heights (meters above the ground)....3

Figures

Figure 1-1. Project Location Map - Resolution Copper Hewitt Station Monitoring Site....2

Appendices

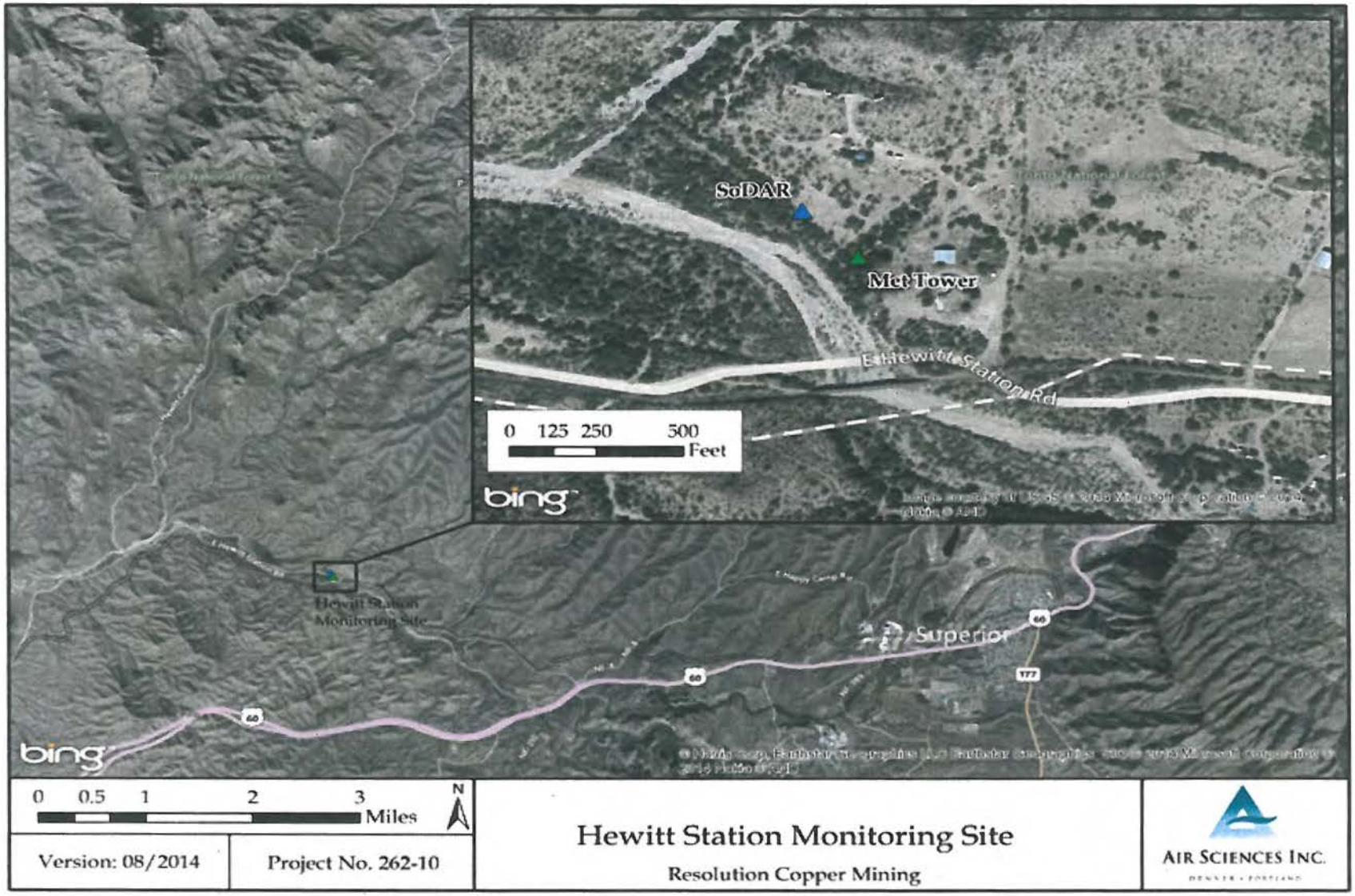
Appendix A - Audit Forms

1.0 INTRODUCTION

On July 14, 2015, an audit of the meteorological and upper air instrumentation was performed at the Resolution Copper Hewitt Station monitoring site near Superior, AZ. The Hewitt Station monitoring site is operated by the Resolution Copper Mining Company and is located approximately six miles west of the Superior (see Figure 1-1). The startup audit activities described in this report were conducted in accordance with the following guideline documents:

- EPA-450/4-87-007, Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), May 1987
- EPA-454/R-99-005, Meteorological Monitoring Guidance for Regulatory Modeling Applications, Section 8.4, February 2000
- EPA-454/B-08-002, Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008

Figure 1-1. Project Location Map – Resolution Copper Hewitt Station Monitoring Site



2.0 SYSTEM DESCRIPTION

The meteorological and upper-air instrumentation audited at the Hewitt Station monitoring site measures wind speed, wind direction, ambient temperature, vertical height temperature difference (delta temperature), solar radiation, relative humidity, and barometric pressure. The Sonic Detection and Ranging (SoDAR) system collects upper-air measurements at ten meter intervals from 20 to 190 meters (65-623ft).

The meteorological sensors are mounted to a 65-foot, open-lattice, fixed steel tower. The SoDAR is located 200ft west of the meteorological within a weather proof enclosure. The sensor and SoDAR heights are listed in Table 2-1 (as measured from ground-level).

Table 2-1. Sensor Heights (meters above the ground)

Parameter	Approximate Height (meters)
Wind Speed	10, 20
Wind Direction	10, 20
Ambient Temperature	2
Delta Temperature	2, 10
Solar Radiation	2
Relative Humidity	2
Barometric Pressure	1.5
SoDAR	1

Meteorological data are recorded by a Campbell Scientific CR3000 datalogger, powered independently by a DC solar power system. All meteorological sensors are measured 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 securely transmitted, via cellular broadband Internet services, to the Air Sciences Inc. (Air Sciences) server. The raw 15-minute data are processed into the Data Acquisition and Storage System (DASS) for quality assurance checks.

The upper-air data are computed and recorded as raw 15-minute averages using the SoDAR computer and internally programmed algorithms. These averages are temporarily stored on the SoDAR computer and securely transmitted every 24 hours via cellular broadband Internet, to the Air Sciences server. The SoDAR is powered independently by a DC solar power system.

The Hewitt Station meteorological and upper-air raw 15-minute data averages are used as input for the calculation of one-hour averages.

3.0 AUDIT METHODOLOGY

This section provides the audit and/or comparison procedures for the meteorological and upper-air instrumentation at the Resolution Copper Hewitt Station monitoring site. Copies of the completed audit forms for each parameter are included in Appendix A.

3.1 Meteorological Sensor Audit Procedures

The wind speed sensor audit was performed by rotating the sensor shaft using a DC-powered variable-speed motor equipped with an optical encoder output referenced to a crystal oscillator. A target sensor speed was calculated based on the audit rotational speed and compared to the instantaneous datalogger reading. An R. M. Young Torque Disc was used to measure the anemometer starting torque. All data were recorded on a standardized form.

The audit of the wind direction system was performed by the aligning the sensor to its mounting cross-arm. A Brunton Precision Magnetic Compass (BPMC) mounted on a tripod was used to establish the orientation of the cross-arm using the Magnetic Declination Method.[1] With the wind direction sensor oriented along the axis of the cross-arm, the sensor response was compared to the BPMC-measured value and recorded on a standardized form. The potentiometer linearity was checked by recording the system response at 45-degree intervals over the operating range of the system.

The ambient temperature sensor audit was performed by comparing the temperature sensor in-situ to a NIST-traceable[2] temperature sensor. Both thermometer and datalogger readings were recorded on a standardized form.

The differential temperature sensor audit was performed by immersing both temperature sensors in a series of three water baths within the range of the temperature sensors. Positive and negative temperature differentials were checked by immersing the sensors in separate water baths. All cabling and associated wiring remained intact for the audit of both sensors. A Precision Temperature Sensor was used to measure the bath temperatures. All audit data were recorded on standardized forms.

The solar radiation sensor audit was performed by comparing the sensor in-situ to a calibrated pyranometer wired to an independent datalogger. Both the standard and the datalogger readings were recorded on a standardized form.

---

[1] Refer to section 2.5.2.2 of the Quality Assurance Handbook for Air Pollution Measurement Systems, Volume IV: Meteorological Measurements Version 2.0, March 2008, for more details.

[2] National Institute of Standards and Technology

The relative humidity sensor audit was performed by comparing the humidity sensor in-situ to a NIST-traceable humidity sensor. Both the standard and datalogger readings were recorded on a standardized form.

The barometric pressure sensor audit was performed by comparing the sensor in-situ to a NIST-traceable barometric pressure standard. Both the standard and datalogger readings were recorded on a standardized form.

3.2 SoDAR System Audit and Comparison Procedures

The SoDAR system audit was performed by initially checking the proper mode of operation and peripheral operating systems such as the on-board generator, solar power, and communication systems in accordance to the manufacture recommendations.

The separate and distinct pulse pattern of the SoDAR was evaluated by generalized audibility.

The SoDAR rotation angle was obtained by siting along the y - axis of the antenna using a Brunton Precision Magnetic Compass (BPMC) mounted on a tripod and compared to the systems software settings.

To ensure a proper system level, a digital level was used to measure the pitch and roll of the SoDAR horizontally.

The SoDAR computer was accessed through the systems LCD interface to obtain the reported date, time, speaker array and antenna status.

The SoDAR monitoring site was inspected for physical obstructions and unusual ambient noise sources or echoes.

The SoDAR system audit results were recorded on a standardized form.

The comparison method was performed to quantify the reasonableness of the SoDAR data. The SoDAR data was compared to the data collected from an adjacent tower. Using the comparison approach, at least 24 hours of data between the tower and SoDAR was compared at the 20-meter level. This comparison method provided an overall evaluation of the SoDAR performance and a means for detecting potential active and passive noise sources.

During periods of calm winds, the adjacent tower's mechanical wind monitor floats within its measurement range, which results in a significant difference between the compared values of the two systems. The vector wind speed and direction comparisons between the SoDAR and the adjacent tower was applied using hourly averaged wind speeds equal to or greater than four meters per second.

4.0 RESULTS AND RECOMMENDATIONS

The SoDAR system audit comparison results have established confidence that the SoDAR is sited and operating correctly with the exception of the aforementioned communications issue. The July 1-13, 2015 data set was used for the comparability procedures and satisfy the monitoring plan objectives.

All other instruments, sensors, and operating systems were determined as serviceable, and within their recommended tolerance parameters.

All affected meteorological data will be invalidated due to the on-site audit activities.

Appendix A – Audit Forms

METEOROLOGICAL STATION AUDIT SUMMARY

AIR SCIENCES INC.

DENVER • PORTLAND

Client : Resolution Copper Company
Project No. : 262-13-1
Site : Hewitt Station
Date : 7/14/2015
Time: 09:00 - 11:45
Personnel: R. Attridge
A. Schlabauch

SITE MONITORING PARAMETERS AND SENSORS				
Parameter	**Sensors**	**Model #**	**Serial Number**	**Instrument Location on Site**
Datalogger	Campbell Sci. Micrologger	CR3000	9459	1 meter
Wind Speed	R. M. Young Wind Monitor	5305	129212	10 meters
Wind Direction	R. M. Young Wind Monitor	5305	129212	10 meters
Wind Speed	R. M. Young Wind Monitor	5305	129214	20 meters
Wind Direction	R. M. Young Wind Monitor	5305	129214	20 meters
Ambient Temperature	Campbell Sci. Probe	HC2S3-L	61222062	2 meters
Relative Humidity	Campbell Sci. Probe	HC2S3-L	61222062	2 meters
Barometric Pressure	Vaisala PTB110 Barometer	PTB110B	K1640005	1.5 meters
Delta Temperature (2m)	R. M. Young 1K RTD Temp. Sensor	41342	24466	2 meters
Delta Temperature (10m)	R. M. Young 1K RTD Temp. Sensor	41342	24382	10 meters
Solar Radiation	Campbell Sci. Pyranometer	CMP3	140693	2 meters

QUALITY ASSURANCE AUDIT EQUIPMENT				
Parameter	**Reference Device**	**Model #**	**Serial Number**	**Re-Calibration Date**
Datalogger	Campbell Sci. Micrologger	CR 850	11739	10/16/2014
System Accuracy & Linearity	Compass	N/A	5080695331	9/30/2015
Wind Speed	R. M. Young Anemometer Drive	18802	CA03393	9/29/2014
Torque	Disk 2	N/A	N/A	N/A
Ambient Temperature	HygroClip 2	HC2S3	61081084	9/29/2014
Relative Humidity	HygroClip 2	HC2S3	61081084	9/29/2014
Barometric Pressure	Vaisala PTB110 Barometer	CS106	K3210009	8/4/2014
Delta Temperature	Campbell Sci. RTD Probe	41342	TS22881	9/28/2014
Solar Radiation	Campbell Sci. Pyranometer	CMP6	123274	11/5/2014
Precipitation	10 mL Syringe	N/A	N/A	N/A

WIND SPEED, 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

DENVER • PORTLAND

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: 5305
Serial No: 129212

Calibration Motor No.: CA03393
Calibration Disk No.: Disk 2

System Linearity Check

	Standard RPM	Target* m/s	Logger Reading m/s	Difference m/s	Acceptance Criteria
CW	0.0	0.00	0.00	0.00	0.0
CW	200.0	1.02	1.02	0.00	0.3
CW	400.0	2.05	2.05	0.00	0.3
CW	600.0	3.07	3.07	0.00	0.4
CW	800.0	4.10	4.10	0.00	0.4
CW	1000.0	5.12	5.12	0.00	0.5
CW	2000.0	10.24	10.24	0.00	0.7
CW	3000.0	15.36	15.36	0.00	1.0
CW	4000.0	20.48	20.48	0.00	1.2
CW	5000.0	25.60	25.60	0.00	1.5

RM Young
*Target (m/s) = rpm x 0.00512

Bearing Torque Test (Passing 0.4 m/s = 0.6 g-cm)

Clockwise 0.3 g-cm
Counterclockwise 0.2 g-cm

Audited By: R. Attridge A. Schlabaugh

WIND DIRECTION, 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

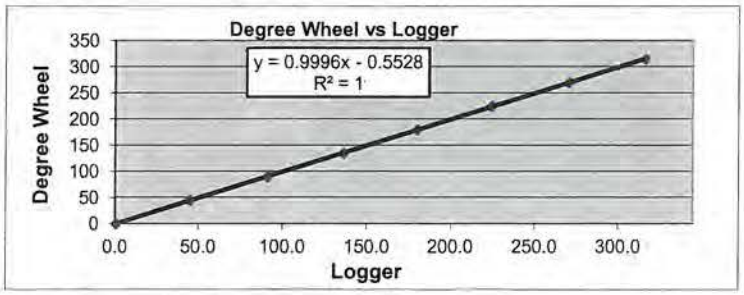
Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: 5305 Serial No: 129212 Compass No.: 5080695331

System Accuracy and Linearity Check Declination[1] = 10 °East

Orientation	Compass (w/o declination) (Degrees)	Compass (w/declination) (Degrees)	Target (Degrees)	Logger Reading (Degrees)	Difference (Degrees)	Acceptance Criteria
1. Vane	112.0	102.0	102.0	102.7	0.7	±5
Tail	294.0	279.0	284.0	282.2	-1.8	±5

CW	Initial Logger (Degrees)	Difference (Degrees)	Corrected Logger (Degrees)	Difference (Degrees)	Acceptance Criteria [2]
0	0.7	0.7	0.1	0.1	±3
45	45.2	0.2	44.6	-0.4	±3
90	91.2	1.2	90.6	0.6	±3
135	136.1	1.1	135.5	0.5	±3
180	180.1	0.1	179.5	-0.5	±3
225	224.5	-0.5	223.9	-1.1	±3
270	270.7	0.7	270.1	0.1	±3
315	316.4	1.4	315.8	0.8	±3
	Avg	0.6			
CCW					
0	0.1	0.1	-0.3	-0.3	±3
45	46.6	1.6	46.2	1.2	±3
90	91.2	1.2	90.8	0.8	±3
135	134.5	-0.5	134.1	-0.9	±3
180	178.8	-1.2	178.4	-1.6	±3
225	225.6	0.6	225.2	0.2	±3
270	270.3	0.3	269.9	-0.1	±3
315	315.8	0.8	315.4	0.4	±3
	Avg	0.4			



Audited By: R. Attridge A. Schlabaugh

[1] Declination added to compass
[2] May reference wider acceptance criteria in *QA Handbook for Air Pollution Measurement Systems, Volume IV - Meteorological Measurements, August 1989*

WIND SPEED, 10 METERS
Calibration Summary

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: 5305
Serial No: 129214

Calibration Motor No.: CA03393
Calibration Disk No.: Disk 2

System Linearity Check

	Standard RPM	Target* m/s	Logger Reading m/s	Difference m/s	Acceptance Criteria
CW	0.0	0.00	0.00	0.00	0.0
CW	200.0	1.02	1.02	0.00	0.3
CW	400.0	2.05	2.05	0.00	0.3
CW	600.0	3.07	3.07	0.00	0.4
CW	800.0	4.10	4.10	0.00	0.4
CW	1000.0	5.12	5.12	0.00	0.5
CW	2000.0	10.24	10.24	0.00	0.7
CW	3000.0	15.36	15.36	0.00	1.0
CW	4000.0	20.48	20.48	0.00	1.2
CW	5000.0	25.60	25.60	0.00	1.5

RM Young
*Target (m/s) = rpm x 0.00512

Bearing Torque Test (Passing 0.4 m/s = 0.6 g-cm)

Clockwise 0.3 g-cm
Counterclockwise 0.3 g-cm

Audited By: R. Attridge A. Schlabaugh

WIND DIRECTION, 10 METERS
Calibration Summary

AIR SCIENCES INC.

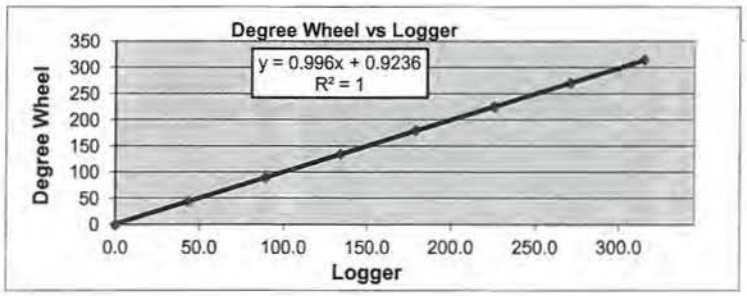
Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: 5305 Serial No: 129214 Compass No.: 5080695331

System Accuracy and Linearity Check Declination[1] = 10 °East

Orientation	Compass (w/o declination) (Degrees)	Compass (w/declination) (Degrees)	Target (Degrees)	Logger Reading (Degrees)	Difference (Degrees)	Acceptance Criteria
1. Vane	112.0	102.0	102.0	102.8	0.8	±5
Tail	294.0	284.0	284.0	285.5	1.5	±5

CW	Initial Logger (Degrees)	Difference (Degrees)	Corrected Logger (Degrees)	Difference (Degrees)	Acceptance Criteria [2]
0	0.1	0.1	0.4	0.4	±3
45	43.5	-1.5	43.8	-1.2	±3
90	89.3	-0.7	89.6	-0.4	±3
135	134.0	-1.0	134.3	-0.7	±3
180	179.2	-0.8	179.5	-0.5	±3
225	225.8	0.8	226.1	1.1	±3
270	270.7	0.7	271.0	1.0	±3
315	315.0	0.0	315.3	0.3	±3
Avg		-0.3			
CCW					
0	0.0	0.0	0.0	0.0	±3
45	43.2	-1.8	43.1	-1.9	±3
90	89.9	-0.1	89.8	-0.2	±3
135	134.7	-0.3	134.6	-0.4	±3
180	180.7	0.7	180.6	0.6	±3
225	225.4	0.4	225.3	0.3	±3
270	270.9	0.9	270.8	0.8	±3
315	315.6	0.6	315.5	0.5	±3
Avg		0.1			



Audited By: R. Attridge A. Schlabaugh

[1] Declination added to compass
[2] May reference wider acceptance criteria in *QA Handbook for Air Pollution Measurement Systems, Volume IV - Meteorological Measurements, August 1989*

AMBIENT TEMPERATURE, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: HC2S3-L
Std Model: HC2S3

Serial No: 61222062
Ref Serial No: 61081084

System Linearity Check

	Standard (°C)	Logger Reading (°C)	Difference (°C)	Acceptance Criteria
1.	34.9	35.6	-0.7	±2
2.	35.1	35.7	-0.6	±2
3.	35.1	35.7	-0.6	±2
4.	35.1	35.7	-0.6	±2
5.	35.0	35.7	-0.7	±2
6.	35.1	35.7	-0.6	±2
7.	35.2	35.7	-0.5	±2
8.	35.2	35.8	-0.6	±2
9.	35.2	35.8	-0.6	±2
10.	35.1	35.8	-0.7	±2

Audited By: A. Schlabaugh

RELATIVE HUMIDITY, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: HC2S3-L
Serial No: 61222062
Std Model: HC2S3
Std Serial No: 61081084

	Standard (%)	Logger Reading (%)	Difference (%)	Acceptance Criteria (%)
1.	30.2	26.7	3.5	±7
2.	29.1	27.2	1.9	±7
3.	29.4	26.6	2.8	±7
4.	28.8	26.5	2.3	±7
5.	28.7	27.3	1.4	±7
6.	29.4	27.5	1.9	±7
7.	30.0	28.3	1.7	±7
8.	30.7	29.1	1.6	±7
9.	30.8	27.1	3.7	±7
10.	29.1	26.3	2.8	±7

Audited By: A. Schlabaugh

DELTA TEMPERATURE, 2 and 10 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: 41342 Serial No (2m): 24466
Serial No (10m): 24382
Std Model: 41342 Std Serial No: TS22881

Aspirator Fans Working Properly? Y

	Standard (°C)	2 Meter (°C)	10 Meter (°C)	Difference 2 Meter [1] (°C)	Difference 10 Meter [1] (°C)
Bath 1	0.21	0.22	0.23	0.01	0.02
Bath 2	13.58	13.52	13.55	0.06	0.03
Bath 3	37.78	37.73	37.75	0.05	0.03

Delta T [2] (°C)	Difference 10M vs. 2M
	0.01
	0.03
	0.02

1. The acceptance criteria for deviation from the standard for both upper and lower temperatures is ± 0.5
2. The acceptance criteria for deviation from the standard for delta temperatures is ± 0.1

Audited By: R. Attridge A. Schlabaugh

BAROMETRIC PRESSURE, 1 METER
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: PTB110B
Serial No: K1640005
Std Model: CS106
Std Serial No: K3210009

System Linearity Check

	Standard (mmHg)	Logger Reading (mmHg)	Difference (mmHg)	Acceptance Criteria (mmHg)
1.	699.5	699.0	0.5	±2.3
2.	699.5	699.0	0.5	±2.3
3.	699.5	699.0	0.5	±2.3
4.	699.5	699.0	0.5	±2.3
5.	699.5	699.0	0.5	±2.3

Audited By: R. Attridge

SOLAR RADIATION, 2 METERS
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

Model: CMP3 Serial No: 140693
Std Model: CMP6 Std Serial No: 123274

System Linearity Check

	Standard (w/m^2)	Logger Reading (w/m^2)	Difference (w/m^2)	Difference (%)	Acceptance Criteria
Covered Reading	0.0	0.0	0.0	0.0	± 25 W/m^2 or 5%
1.	746.5	747.2	-0.7	0.1	± 25 W/m^2 or 5%
2.	752.0	748.0	4.0	-0.5	± 25 W/m^2 or 5%
3.	752.4	748.4	4.0	-0.5	± 25 W/m^2 or 5%
4.	753.3	747.5	5.8	-0.8	± 25 W/m^2 or 5%
5.	754.6	747.7	6.9	-0.9	± 25 W/m^2 or 5%
6.	756.4	747.4	9.0	-1.2	± 25 W/m^2 or 5%
7.	754.4	747.4	7.0	-0.9	± 25 W/m^2 or 5%
8.	756.2	747.7	8.5	-1.1	± 25 W/m^2 or 5%
9.	764	748.2	15.8	-2.1	± 25 W/m^2 or 5%
10.	770.2	748.3	21.9	-2.9	± 25 W/m^2 or 5%
		Average	8.2		

Audited By: A. Schlabaugh

COMMENTS & SIGNATURES
AUDIT SUMMARY

AIR SCIENCES INC.

Operator: Air Sciences
Site Name: Hewitt Station
Project: 262-13-1
Date: 7/14/2015

COMMENTS:

Data collected from 0900 - 1145hrs shall be invalidated as a result of audit activities.

Signatures:

AIR SCIENCES INC.

Hewitt Station
SoDAR System Audit
Resolution Copper Company

Date: July 14, 2015 Time: 13:15 Auditor: R. Attridge

SoDAR System

Instrument	ACS SoDAR
Instrument Model	WE 4000
Instrument Serial Number	3002
Rotation Angle Measured	105°
Declination	10° East
Latitude/Longitude (Deg)	Lat 33.2978 / Long -111.2114
Elevation (ft)	2,236

SoDAR System Status

SoDAR System	System Status As Found	System Status As Left
Battery Voltage (V)	13.45	13.58
Ambient Temp° C	36.2	36.6
Heater ON or OFF as Found	OFF	OFF
Generator ON or OFF as Found	OFF	OFF
Rain Detection YES or NO	NO	NO
Snow Detection YES or NO	NO	NO
Antenna Status	OK	OK
Speaker Array	OK	OK
Rotation Angle	**105°**	**105°**
System Level (< 0.5°)	**P=0.1 R=0.1**	**P=0.1 R=0.1**
Fuel Level	**¼ Full**	**¼ Full**
Date / Time	7-14-15 / 1321	7-14-15 / 1405

SoDAR Siting and Exposure

Azimuth Angle (Deg.)			
Magnetic	True	Terrain Elevation (ft)	Features / Distance (meters)
—	0	2,268	House on Hilltop / ~117m
—	30	2,246	Horse Corral / ~2m Loafing Shed / ~50m
—	60	2,245	Cluster of Small Outbuildings / ~60m
—	90	2,242	Surface Vegetation, Scrub Brush / ~70m
—	120	2,243	Barn / 102m
—	150	2,235	Meteorological Tower / ~60m
—	180	2,225	Rural Dirt Road / ~150m
—	240	2,252	Hilltop / ~211m
—	270	2,227	Surface Vegetation, Scrub Brush / ~135m
—	300	2,218	Creek Bottom / ~187m
—	330	2,278	Hilltop / ~227m

Comments/Unusual Occurrences: New surface obstruction described as a horse corral discovered within 2 meters and 30 degrees from the SoDAR.

Auditor Signature: _____

Appendix J: CD