

**ALAMO AREA COUNCIL OF GOVERNMENTS
CAMS 501, 502, 503, 504, 505, 506**

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**Annual Ambient Air Quality
Monitoring Report
2015**

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

This report summarizes the quality of the monitoring data from the Continuous Air Monitoring Stations (CAMS) 501, 502, 504, 503, 505 and 506, owned by Alamo Area Council of Governments (AACOG), and operated by Dios Dado Environmental, for the year of 2015 (The months of April 2015 through October 2015).

The objectives of this report are to provide and assess the following:

- ◆ The actual data gathered during the monitoring period
- ◆ The quality of the monitored data
- ◆ The data validation performed
- ◆ The amount of data captured for the year of 2015
- ◆ The incidents that may have led to data loss

Assessment of the data quality indicates that the monitoring data collected during the year 2015 met all of the TCEQ regulatory guidelines for Ozone only sites. The monitoring results did suggest exceedances of the National Ambient Air Quality Standards (NAAQS) on a short-term basis, however, these sites do not meet the regulatory requirements for NAQS as set forth by the EPA. These sites are close enough to be excellent sources of ambient data for mapping and research purposes.

Pollutants:

- ◆ Ozone (O3),

Meteorology:

- ◆ Wind speed,
- ◆ Resultant wind speed,
- ◆ Resultant wind direction,
- ◆ Maximum wind gust,
- ◆ Standard deviation of horizontal wind direction,
- ◆ Outdoor temperature,
- ◆ Indoor temperature,
- ◆ Precipitation events

The data collected at the sites this Year was fully representative of ambient conditions in the area. The monitoring instruments all functioned properly or were repaired quickly enough to prevent any data loss this year. Normal calibration and maintenance procedures, which are noted in the logs and all relevant tables, resulted in a loss of some data but not enough to fall below the 75% required. All equipment operations conformed to TCEQ criteria and passed our calibrations during the season. A data return rate of greater than 96.3% (average) was achieved on all the Ozone instruments at the sites for the entire reporting period.

AACOG equipment concerns for the 2016 ozone season are as follows:

- ◆ The Thermo Fisher 49C O3 units are passed their useful lifetime and we will no longer be able to obtain spare parts after this ozone season. New units must be budgeted for future site operations.
- ◆ The C502, Fair Oaks Ranch, site will need to be relocated due to building expansion and flora and fauna overgrowth. The school will no longer be able to house the equipment.
- ◆ The C503, Bulverde, site met gear is still on the ground and not installed. The tower is ready to put in when the school gives AACOG the green light for the location. The met gear all needs to be cleaned and overhauled before the next season as well.
- ◆ The AACOG spare unit was deployed at C501 and the C501 unit needs maintenance, then the spare unit got taped by a storm and we had to replace the nose cone with the one from C503, so it needs repaired as well.

We are so very pleased to be of service to AACOG and our community, and are pleased with the success of this season operation. Thank you for the opportunity to serve.

DATA RETURN/COMPLETENESS REPORTS

Data Return Report

00:00 LST April 1, 2015 through 00:00 LST May 1, 2015

>>> One or more monitors had planned shutdowns during the selected reporting period.
See below for details.

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.7	99.7	0.0	0.0	100.0	33.3
13	502	Fair Oaks Ranch C502	99.7	99.7	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503 †	90.4	90.4	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	97.1	97.1	*	*	*	*
Region 13 Averages			97.8	97.8	50.0	50.0	100.0	66.7
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			97.8	97.8	50.0	50.0	100.0	66.7

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%
 Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST May 1, 2015 through 00:00 LST June 1, 2015

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.5	99.5	36.7	36.7	99.6	57.7
13	502	Fair Oaks Ranch C502	99.7	99.7	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	99.3	99.3	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.3	99.3	*	*	*	*
Region 13 Averages			99.6	99.6	68.3	68.3	99.8	78.8
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.6	99.6	68.3	68.3	99.8	78.8

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST June 1, 2015 through 00:00 LST July 1, 2015

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.9	99.9	100.0	100.0	100.0	100.0
13	502	Fair Oaks Ranch C502	99.9	99.9	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	96.2	96.2	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.6	99.6	*	*	*	*
Region 13 Averages			99.2	99.2	100.0	100.0	100.0	100.0
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.2	99.2	100.0	100.0	100.0	100.0

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST July 1, 2015 through 00:00 LST August 1, 2015

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.6	99.6	100.0	100.0	100.0	100.0
13	502	Fair Oaks Ranch C502	99.6	99.6	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	94.2	94.2	*	*	*	*
13	504	New Braunfels Airport C504	99.6	99.6	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.5	99.5	*	*	*	*
Region 13 Averages			98.7	98.7	100.0	100.0	100.0	100.0
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			98.7	98.7	100.0	100.0	100.0	100.0

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST August 1, 2015 through 00:00 LST September 1, 2015

Region	CAM5	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.7	99.7	100.0	100.0	100.0	100.0
13	502	Fair Oaks Ranch C502	99.6	99.6	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	98.8	98.8	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.6	99.6	*	*	*	*
Region 13 Averages			99.5	99.5	100.0	100.0	100.0	100.0
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.5	99.5	100.0	100.0	100.0	100.0

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST September 1, 2015 through 00:00 LST October 1, 2015

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.7	99.7	100.0	100.0	100.0	100.0
13	502	Fair Oaks Ranch C502	99.7	99.7	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	95.6	95.6	*	*	*	*
13	504	New Braunfels Airport C504	99.6	99.6	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.7	99.7	*	*	*	*
Region 13 Averages			99.0	99.0	100.0	100.0	100.0	100.0
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.0	99.0	100.0	100.0	100.0	100.0

* -- Parameter not monitored.

**The Data return percentage for CAMS 503-Bulverde was lower this month due to communication issues at the site.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report

00:00 LST October 1, 2015 through 00:00 LST November 1, 2015

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.6	99.6	100.0	100.0	100.0	100.0
13	502	Fair Oaks Ranch C502	99.7	99.7	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503	98.9	98.9	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.6	99.6	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.7	99.7	*	*	*	*
Region 13 Averages			99.6	99.6	100.0	100.0	100.0	100.0
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.6	99.6	100.0	100.0	100.0	100.0

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

Data Return Report – AACOG Sites 2015 Season Average

00:00 LST April 1, 2015 through 00:00 LST November 1, 2015

>>> One or more monitors had planned shutdowns during the selected reporting period. See below for details.

Region	CAMS	Location	Pollution Data		Meteorological Data			
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
13	501	Elm Creek Elementary C501	99.7	99.7	76.8	76.8	99.9	84.5
13	502	Fair Oaks Ranch C502	99.7	99.7	100.0	100.0	100.0	100.0
13	503	Bulverde Elementary C503 †	96.3	96.3	*	*	*	*
13	504	New Braunfels Airport C504	99.7	99.7	*	*	*	*
13	505	City of Garden Ridge C505	99.7	99.7	*	*	*	*
13	506	Seguin Outdoor Learning Center C506	99.2	99.2	*	*	*	*
Region 13 Averages			99.0	99.0	88.4	88.4	100.0	92.3
			O3 %	Poll %	WDR %	WSR %	Out Temp %	Met %
Network Averages			99.0	99.0	88.4	88.4	100.0	92.3

* -- Parameter not monitored.

Lowest Allowable Data Return

Lowest allowable data return for pollution data: 75%

Lowest allowable data return for meteorological data: 75%

MAINTENANCE / CALIBRATION REPORTS

**AACOG Ozone and Meteorological Network, Region of San Antonio, TX
Preventative Maintenance Schedule for 2015
CAM5 501 - Elm Creek**

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit	27		13	16	14	13	15	13	5
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit		27	27	29	27	25	28	26	
Ambient Sample Line (PMI-04-360)	25								
Replace/Check Met Gear (PMI 26-360)	25								
3-Point Calibrations	-	27	27	29	-	25	28	-	
5-Point Calibrations	27	-	-	-	27	-	-	26	

***Miscellaneous**

3-25-15: Site start-up
5-4-15: Entered station to check on W/S sensor on tower. Dropped tower and checked wiring and unit could not find anything wrong with unit. went and replaced unit with rebuilt unit or spare unit. Checked status of unit and found that unit is doing the same thing. We ruled out that the unit is bad. Will have to come back and check zero program next and placed unit back in K/code for now. BDW and BBW
5-20-15: Dialed into station remotely and worked on zero program while tech on site. jmccraw
11-5-15: Site Shut-Down

**AACOG Ozone and Meteorological Network, Region of San Antonio, TX
Preventative Maintenance Schedule for 2015
CAMS 502 - City of Fair Oaks Ranch**

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit	29	15	12	16	14	13	14	14	5
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit		28	27	26	29	25	29	24	
Ambient Sample Line (PMI-04-360)	23								
Replace/Check Met Gear (PMI 26-360)	23								
3-Point Calibrations	-	28	27	26	-	25	29	-	
5-Point Calibrations	29	-	-	-	29	-	-	24	

***Miscellaneous**

3-23-15: Site start-up
5-24 & 25-2015: Entered station both days to check on coms problem came back today with equipment to check on phone line, found telephone line to be dead. Data logger collecting data and instruments running good. Will have AACOG make phone call to AT&T tomorrow for service repair. BDW
8-25-15: Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Found O3 unit running low on Pressure and rebuilt pump with new diaphragm. Performed 3-Point Calibration after pump rebuild. Calibration ok. BDW
11-5-15: Entered station to shutdown for 2015 ozone season. Took site ozone and zero serial numbers for site inventory. BBW

AACOG Ozone and Meteorological Network, Region of San Antonio, TX

Preventative Maintenance Schedule for 2015

CAM5 503 - Bulverde Elementary School

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit		1	12	15	16	13	14	16	2
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit		14	26	29	28	31	29	26	
Ambient Sample Line (PMI-04-360)		1							
Replace/Check Met Gear (PMI 26-360)		N/A							
3-Point Calibrations	-	-	26	29	-	31	29	-	
5-Point Calibrations	-	1&28	-	-	28	-	-	26	

*Miscellaneous

4-1-15: Site start-up
4-1-15: Entered Station yesterday could not communicate with data logger pulled equipment out and repaired at our shop but replaced all ptfе tubing.
4-6-15: Entered station to trouble shoot reporting problem. the Zeno does not transport data to the modem, the modem connects, the Zeno is powered on and data is collecting, the com port may be out on Zeno further equipment required to complete this task.
4-8-15: Entered station to replace the site zeno, the com port on installed unit stopped working. All previous data points and log entries will be uploaded to TCEQ in file format when coms to zeno can be restored. O3 unit operations never effected or changed, no calibration required. left site safe and secure. jmcclaw/dca
4-9-15: Arrived at site and checked if data logger was collection data. Everything seems to be working great but Wireless modem acting up will not transfer data. Will take to shop and may have to replace. Made log entry and left site safe and secure. BDW
4-14-15: Entered station to download data off zeno and change filter in station. Left site safe and secure. BBW
4-21-15: Entered station to download data off of zeno. Left site safe and secure. BBW
5-1-15: Entered station and pulled data from zeno for end of month to deliver to TCEQ.jmcclaw
5-12-15: Entered station to retrieve data off of Zeno. Changed particulate filter, made log entry and left site safe and secure. Left site safe and secure. BBW
6-2-15: Entered station to work on station communication problems, replaced modem and connected to tower then lost signal, tried to reboot unit no go , removed all modems to shop for replacement of SIM cards and verify operation. pulled data from 05262015 to upload to Laura. left site safe and secure. jmcclaw
8-4-15: Entered station to download data from Zeno. left site safe and secure. BBW
8-18-15: Entered station to download data off of ZENO. Left site safe and secure BBW
8-31-15: Notified school ac unit out, alarms going off and water is flooding out of floor drain.
9-14-15: Entered station to download data from the zeno, also changed particulate filters for the ozone unit. left site safe and secure. BBW
9-29-15: Entered station to perform 3pt inspection and download data from the zeno. Left site safe and secure. BBW
11-2-15: Entered station to pull all data, and shut down all equipment. left site safe and secure. DCA

**AACOG Ozone and Meteorological Network, Region of San Antonio, TX
Preventative Maintenance Schedule for 2015
CAM5 504 - National Weather Service Station - New Braunfels**

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit	16	16	14	16	14	14	15	14	6
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit	30	30	27	25	28	25	29	27	
Ambient Sample Line (PMI-04-360)	16								
Replace/Check Met Gear (PMI 26-360)	N/A								
3-Point Calibrations	-	30	27	25	-	25	29	-	
5-Point Calibrations	30	-	-	-	28	-	-	27	

***Miscellaneous**

3-16-15: Site start-up
6-16-15: Entered station to perform periodic maintenance items. This unit pump is getting noisy will schedule a replacement unit be ready. jmccraw
11-6-15: Site Shut-Down

**AACOG Ozone and Meteorological Network, Region of San Antonio, TX
Preventative Maintenance Schedule for 2015
CAMS 505 - City of Garden Ridge**

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit	31	28	13	15	16	13	15	16	6
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit			29	26	29	26	29	27	
Ambient Sample Line (PMI-04-360)	24								
Replace/Check Met Gear (PMI 26-360)	N/A								
3-Point Calibrations	-	28	29	26	-	26	29	-	
5-Point Calibrations	31	-	-	-	29	-	-	27	

***Miscellaneous**

3-31-15: Site start-up
11-6-15: Entered station to shut down Ozone unit for end of season. Checked all parameters, one parameter is in alarm: Intensity B is Low showing 44737 Hz. Lower limit is 45000 Hz. KONeal

**AACOG Ozone and Meteorological Network, Region of San Antonio, TX
Preventative Maintenance Schedule for 2015
CAMS 506 - Seguin Outdoor Learning Center**

Description	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Analyzer Sample Inlet Filter (PMI 04-14) 1st Site Visit	27	16	14	16	14	14	15	14	6
Analyzer Sample Inlet Filter (PMI 04-14) 2nd/3rd Site Visit		30	28	26	27	25	30	26	
Ambient Sample Line (PMI-04-360)	16								
Replace/Check Met Gear (PMI 26-360)	N/A								
3-Point Calibrations	-	30	28	26	-	25	30	-	
5-Point Calibrations	27	-	-	-	27	-	-	26	

***Miscellaneous**

3-27-15: Site start-up; Alarm showing for low flow on Flow B sensor but O3 unit is running properly.
7-14-15: . Alarm on bench temp. at 40.9' C.
8-25-15: Entered station to conduct bi-monthly maintenance and 3 pt calibration on O3 unit. Also to replace the Flow B Sensor. Koneal
9-15-15: Entered station to conduct bi-monthly maintenance. Bench temp in alarm at 40.5'C. Acceptable range is 15'C to 40'C. All other parameters are ok. KONEal
10-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. Temp was in alarm at 41.2'C With the limit being 40'C. All other parameters ok. koneal
10-26-15: Entered station to perform bi-weekly maintenance and 5-point calibration. Checked flows, pressures, intensities and temperatures. All ok except "Bench Temp." was in alarm at 40.9'C when the max, according to instrument is 40'C. koneal3
11-6-15: Site Shut-Down

OPERATOR LOGS

Operator Logs for Elm Creek Elementary C501

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 Elm Creek Elementary C501 (48_029_0501)
Wed Mar 25, 2015	14:20:51			3-25-15 Entered station to replace PTFE Tubing and check bearings in w/s-w/d equipment for 2015 ozone season. Placed Os unit in P-code and left w/s-w/d inst in k-code. Will come back later and perform 5-point calibration for start of 2015 ozone season Made log entry and left site safe and secure. BDW/DA
Fri Mar 27, 2015	16:21:48			03-27-15 Entered Station to perform start of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 399.18 PPB .300= 299.85 PPB .200= 200.68 PPB .090= 90.36 PPB .000= 00.08 PPb made log entry and left Area Safe And Secure. BDW
Wed Apr 01, 2015	14:56:07	leadsadmin	04/01/2015	Monitor shutdown date cleared for: Ozone == 44201_1 Wind Speed == 61101_1 Resultant Wind Speed == 61103_1 Resultant Wind Direction == 61104_1 Maximum Wind Gust == 61105_1 Standard Deviation of Horizontal Wind Direction == 61106_1 Outdoor Temperature == 62101_1 Internal Station Temperature == 62107_1 Precipitation == 65102_1
Sat Apr 04, 2015	03:43:34			Automatic time sync
Tue Apr 07, 2015	03:43:33			Automatic time sync
Sat Apr 11, 2015	03:43:33			Automatic time sync
Tue Apr 14, 2015	03:43:34			Automatic time sync
Sat Apr 18, 2015	03:43:35			Automatic time sync
Tue Apr 21, 2015	03:43:34			Automatic time sync
Mon Apr 27, 2015	14:29:56			4-27-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.81 PPB .090= 90.18 PPB .000= 00.03 PPB Placed unit in k-code.Left Area Safe And Secure. BDW

Tue Apr 28, 2015	03:43:35			Automatic time sync
Sat May 02, 2015	03:43:34			Automatic time sync
Mon May 04, 2015	16:08:44			5-4-15 Entered station to check on W/S sensor on tower. Placed W/S, W/D, Temp, and Precip in P-code and started. Dropped tower and checked wiring and unit could not find anything wrong with unit. went and replaced unit with rebuilt unit or spare unit. checked status of unit and found that unit is doing the same thing. We ruled out that the unit is bad. will have to come back and check zero program next and placed unit back in K/code for now. Made log entry and left site safe and secure. BDW and BBW
Tue May 05, 2015	03:43:34			Automatic time sync
Sat May 09, 2015	03:43:34			Automatic time sync
Tue May 12, 2015	03:43:34			Automatic time sync
Wed May 13, 2015	08:45:43			5-13-15 Entered station to inspect O3 instrument and change filter. Flows ok, intensities ok, temps ok changed filter. Area safe and secure BDW. .
Sat May 16, 2015	03:43:33			Automatic time sync
Wed May 20, 2015	14:49:19			dialed into station remotely and worked on zero program while tech on site. jmcraw
Sat May 23, 2015	03:43:33			Automatic time sync
Tue May 26, 2015	03:43:42			Automatic time sync
Wed May 27, 2015	13:17:46			5-27-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.73 PPB .090= 90.31 PPB .000= 00.05 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Sat May 30, 2015	03:43:43			Automatic time sync
Tue Jun 02, 2015	03:43:34			Automatic time sync
Sat Jun 06, 2015	03:43:35			Automatic time sync
Sat Jun 13, 2015	03:43:34			Automatic time sync
Tue Jun 16, 2015	03:43:33			Automatic time sync
Tue Jun 16, 2015	08:54:24			6-16-15 Entered station to inspect O3 instrument and change filter. Flows ok, intensities ok, temps ok changed filter. Left area safe and secure BDW.
Sat Jun 27, 2015	03:43:36			Automatic time sync

Mon Jun 29, 2015	10:01:33			6-29-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.91 PPB .090= 89.81 PPB .000= 00.16 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Tue Jun 30, 2015	03:43:34			Automatic time sync
Sat Jul 04, 2015	03:43:34			Automatic time sync
Tue Jul 07, 2015	03:43:35			Automatic time sync
Sat Jul 11, 2015	03:43:35			Automatic time sync
Tue Jul 14, 2015	03:43:35			Automatic time sync
Tue Jul 14, 2015	09:44:40			07-14-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Sat Jul 18, 2015	03:43:35			Automatic time sync
Tue Jul 21, 2015	03:43:34			Automatic time sync
Sat Jul 25, 2015	03:43:35			Automatic time sync
Mon Jul 27, 2015	13:20:40			Entered station to perform 5pt calibration and replace particulate filter. left safe and secure. BBW
Tue Jul 28, 2015	03:43:33			Automatic time sync
Thu Jul 30, 2015	06:53:41	CCarrasco	07/30/2015	Check site status online
Fri Jul 31, 2015	06:44:31	CCarrasco	07/31/2015	Checked site status online
Sat Aug 01, 2015	03:43:34			Automatic time sync
Mon Aug 03, 2015	07:07:00	CCarrasco	08/03/2015	Checked site status online
Tue Aug 04, 2015	03:43:34			Automatic time sync
Tue Aug 04, 2015	07:12:29	CCarrasco	08/04/2015	Checked site status online
Wed Aug 05, 2015	06:58:56	CCarrasco	08/05/2015	Checked site status online
Thu Aug 06, 2015	06:52:05	CCarrasco	08/06/2015	Checked site status online
Fri Aug 07, 2015	07:00:35	CCarrasco	08/07/2015	Checked site status online
Mon Aug 10, 2015	07:17:15	CCarrasco	08/10/2015	Checked site status online
Tue Aug 11, 2015	03:43:34			Automatic time sync
Tue Aug 11, 2015	08:04:49	CCarrasco	08/11/2015	Checked site status online
Wed Aug 12, 2015	06:45:38	CCarrasco	08/12/2015	Check site status online

Thu Aug 13, 2015	08:50:19			08-13-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Sat Aug 15, 2015	03:43:35			Automatic time sync
Mon Aug 17, 2015	06:20:45	CCarrasco	08/17/2015	Checked site status online
Tue Aug 18, 2015	06:47:27	CCarrasco	08/18/2015	Checked site status online
Wed Aug 19, 2015	07:14:35	CCarrasco	08/19/2015	Check site status online
Thu Aug 20, 2015	06:00:35	CCarrasco	08/20/2015	Checked site status online
Fri Aug 21, 2015	06:30:34	CCarrasco	08/21/2015	Checked site status online
Mon Aug 24, 2015	06:20:25	CCarrasco	08/24/2015	Check site status online
Tue Aug 25, 2015	06:02:19	CCarrasco	08/25/2015	Checked site status online
Tue Aug 25, 2015	10:18:05			8-25-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 90.61 PPB .000= 00.21 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Wed Aug 26, 2015	06:25:30	CCarrasco	08/26/2015	Checked site status online
Thu Aug 27, 2015	06:14:36	CCarrasco	08/27/2015	Checked site status online
Fri Aug 28, 2015	06:00:59	CCarrasco	08/28/2015	Checked site status online
Sat Aug 29, 2015	03:43:35			Automatic time sync
Mon Aug 31, 2015	06:41:34	CCarrasco	08/31/2015	Checked site status online
Wed Sep 02, 2015	05:39:32	CCarrasco	09/02/2015	Checked site status online
Thu Sep 03, 2015	05:40:26	CCarrasco	09/03/2015	Checked site status online
Fri Sep 04, 2015	06:23:38	CCarrasco	09/04/2015	Checked site status online
Sat Sep 05, 2015	03:43:34			Automatic time sync
Tue Sep 08, 2015	03:43:34			Automatic time sync
Tue Sep 08, 2015	06:13:31	CCarrasco	09/08/2015	Checked site status online
Wed Sep 09, 2015	06:33:22	CCarrasco	09/09/2015	Checked site status online
Thu Sep 10, 2015	05:28:43	CCarrasco	09/10/2015	Checked site status online
Fri Sep 11, 2015	06:07:24	CCarrasco	09/11/2015	Checked site status online
Sat Sep 12, 2015	03:43:35			Automatic time sync
Mon Sep 14, 2015	06:00:33	CCarrasco	09/14/2015	Checked site status online
Tue Sep 15, 2015	03:43:34			Automatic time sync

Tue Sep 15, 2015	06:18:47	CCarrasco	09/15/2015	Checked site status online
Tue Sep 15, 2015	14:18:27			09-15-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Wed Sep 16, 2015	11:56:39	koneal	09/16/2015	Checked site status online
Thu Sep 17, 2015	08:34:26	CCarrasco	09/17/2015	Checked site status online
Fri Sep 18, 2015	06:08:32	CCarrasco	09/18/2015	Checked site status online
Sat Sep 19, 2015	03:43:34			Automatic time sync
Mon Sep 21, 2015	06:00:37	CCarrasco	09/21/2015	Checked site status online
Tue Sep 22, 2015	03:43:35			Automatic time sync
Tue Sep 22, 2015	07:22:03	CCarrasco	09/22/2015	Checked site status online
Wed Sep 23, 2015	06:35:12	CCarrasco	09/23/2015	Checked site status online
Thu Sep 24, 2015	06:18:46	CCarrasco	09/24/2015	Checked site status online
Fri Sep 25, 2015	06:07:44	CCarrasco	09/25/2015	Checked site status online
Sat Sep 26, 2015	03:43:35			Automatic time sync
Mon Sep 28, 2015	14:53:38			9-28-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 400.28 PPB .090= 90.18 PPB .000= 00.06 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Tue Sep 29, 2015	03:43:34			Automatic time sync
Tue Sep 29, 2015	06:28:57	CCarrasco	09/29/2015	Checked site status online
Wed Sep 30, 2015	06:37:01	CCarrasco	09/30/2015	Checked site status online
Thu Oct 01, 2015	05:56:34	CCarrasco	10/01/2015	Checked site status online
Fri Oct 02, 2015	05:49:05	CCarrasco	10/02/2015	Checked site status online
Mon Oct 05, 2015	06:10:45	CCarrasco	10/05/2015	Checked site status online
Tue Oct 06, 2015	03:43:36			Automatic time sync
Tue Oct 06, 2015	05:53:11	CCarrasco	10/06/2015	Checked site status online
Wed Oct 07, 2015	05:57:48	CCarrasco	10/07/2015	Checked site status online
Thu Oct 08, 2015	12:25:45	koneal	10/08/2015	Checked site status online. koneal
Sat Oct 10, 2015	03:43:34			Automatic time sync
Tue Oct 13, 2015	03:43:34			Automatic time sync

Tue Oct 13, 2015	15:22:58			10-13-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Wed Oct 14, 2015	08:10:15	CCarrasco	10/14/2015	Checked site status online
Thu Oct 15, 2015	05:54:21	CCarrasco	10/15/2015	Checked site status online
Fri Oct 16, 2015	07:07:31	CCarrasco	10/16/2015	Checked site status online
Sat Oct 17, 2015	03:43:34			Automatic time sync
Mon Oct 19, 2015	06:46:55	CCarrasco	10/19/2015	Checked site status online
Tue Oct 20, 2015	03:43:34			Automatic time sync
Tue Oct 20, 2015	06:40:13	CCarrasco	10/20/2015	Checked site status online
Wed Oct 21, 2015	06:28:18	CCarrasco	10/21/2015	Checked site status online
Thu Oct 22, 2015	06:30:51	CCarrasco	10/22/2015	Checked site status online
Fri Oct 23, 2015	06:33:31	CCarrasco	10/23/2015	Checked site status online
Mon Oct 26, 2015	06:26:52	CCarrasco	10/26/2015	Checked site status online
Mon Oct 26, 2015	10:38:01			10-26-15 Entered Station to perform end of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 400.05 PPB .300= 299.38 PPB .200= 200.21 PPB .090= 90.18 PPB .000= 00.02 PPb Inspect O3 instrument checked Flows ok, intensities ok, temps ok. Made log entry and left Area Safe And Secure
Tue Oct 27, 2015	03:43:34			Automatic time sync
Tue Oct 27, 2015	06:04:49	CCarrasco	10/27/2015	Checked site status online
Wed Oct 28, 2015	06:59:53	CCarrasco	10/28/2015	Checked site status online
Thu Oct 29, 2015	06:40:52	CCarrasco	10/29/2015	Checked site status online
Fri Oct 30, 2015	06:09:52	CCarrasco	10/30/2015	Checked site status online
Sat Oct 31, 2015	03:43:34			Automatic time sync
Mon Nov 02, 2015	07:48:30	CCarrasco	11/02/2015	Checked site status online
Tue Nov 03, 2015	04:43:34			Automatic time sync
Tue Nov 03, 2015	07:36:18	CCarrasco	11/03/2015	Checked site status online
Wed Nov 04, 2015	07:33:40	CCarrasco	11/04/2015	Checked site status online
Thu Nov 05, 2015	07:19:58	CCarrasco	11/05/2015	Checked site status online
Thu Nov 05, 2015	13:10:36			Entered station to turn off Ozone unit and site for 2015 ozone season. Also took inventory of Ozone monitor and zeno. Left site safe and secure. BBW
Fri Nov 06, 2015	07:46:49	CCarrasco	11/06/2015	Could not check site status online

Mon Nov 09, 2015	07:26:24	CCarrasco	11/09/2015	Could not check site status online
Mon Nov 09, 2015	10:37:26	leadsadmin	11/09/2015	<p>Monitor shutdown date set to 20151105,13:00 for:</p> <p>Ozone == 44201_1</p> <p>Wind Speed == 61101_1</p> <p>Resultant Wind Speed == 61103_1</p> <p>Resultant Wind Direction == 61104_1</p> <p>Maximum Wind Gust == 61105_1</p> <p>Standard Deviation of Horizontal Wind Direction == 61106_1</p> <p>Outdoor Temperature == 62101_1</p> <p>Internal Station Temperature == 62107_1</p> <p>Precipitation == 65102_1</p>

Operator Logs for Fair Oaks Ranch C502

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 Fair Oaks Ranch C502 (48_029_0502)
Sat Mar 21, 2015	03:28:30			Automatic time sync
Mon Mar 23, 2015	13:43:12			3-23-15 Entered station to replace PTFE Tubing and check bearings in w/s-w/d equipment for 2015 ozone season. Placed units in q-code and back to k-code. Will come back later and perform 5-point calibration for start of 2015 ozone season Made log entry and left site safe and secure. BDW/BBW
Tue Mar 24, 2015	03:28:31			Automatic time sync
Sat Mar 28, 2015	03:28:30			Automatic time sync
Sun Mar 29, 2015	13:27:39			03-29-15 Entered Station to perform start of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 399.88 PPB .300= 299.41 PPB .200= 200.95 PPB .090= 90.08 PPB .000= 00.08 PPb made log entry and left Area Safe And Secure. BDW
Mon Mar 30, 2015	13:42:50	leadsadmin	03/30/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 502 (Fair Oaks Ranch C502), Site: 48_029_0502 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 5, 2014 14:00:00 CST End Date: March 29, 2015 13:00:00 CST
Mon Mar 30, 2015	13:43:30	leadsadmin	03/30/2015	Monitor shutdown date cleared for: Ozone == 44201_1
Tue Mar 31, 2015	03:28:30			Automatic time sync
Sat Apr 04, 2015	03:28:31			Automatic time sync
Tue Apr 07, 2015	03:28:30			Automatic time sync
Sat Apr 11, 2015	03:28:31			Automatic time sync
Wed Apr 15, 2015	12:50:00			Entered station to change particulate filters and reset site modem. Left site safe and secure. BBW
Sat Apr 25, 2015	03:28:30			Automatic time sync
Tue Apr 28, 2015	03:28:30			Automatic time sync

Tue Apr 28, 2015	08:56:37			4-28-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 91.00 PPB .000= 00.00 PPB Placed unit in k-code.Left Area Safe And Secure. BDW
Sat May 02, 2015	03:28:30			Automatic time sync
Sat May 09, 2015	03:28:31			Automatic time sync
Tue May 12, 2015	09:51:31			5-12-2015: Entered station to change particulate filter. Made journal entry and left site safe and secure. BBW
Sat May 16, 2015	03:28:31			Automatic time sync
Tue May 19, 2015	03:28:31			Automatic time sync
Mon May 25, 2015	15:38:49			5-24/25-15 Entered station both days to check on coms problem came back today with equipment to check on phone line. found telephone line to be dead. Data logger collecting data and instruments running good. Will have AACOG make phone call to AT&T tomorrow for service repair. Made log entry and left site safe and secure. BDW
Wed May 27, 2015	09:55:36			5-27-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.76 PPB .090= 90.53 PPB .000= 00.08 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Sat May 30, 2015	03:28:33			Automatic time sync
Tue Jun 02, 2015	03:28:31			Automatic time sync
Sat Jun 06, 2015	03:28:30			Automatic time sync
Sat Jun 13, 2015	03:28:31			Automatic time sync
Tue Jun 16, 2015	03:28:30			Automatic time sync
Tue Jun 16, 2015	10:25:10			6-16-15 Entered station to inspect O3 instrument and change filter. Flows ok, intensities ok, temps ok changed filter. Left area safe and secure BDW. .
Sat Jun 20, 2015	03:28:35			Automatic time sync
Tue Jun 23, 2015	03:28:30			Automatic time sync

Fri Jun 26, 2015	09:09:21			6-26-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.76 PPB .090= 90.60 PPB .000= 00.11 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Sat Jun 27, 2015	03:28:34			Automatic time sync
Tue Jun 30, 2015	03:28:31			Automatic time sync
Sat Jul 04, 2015	03:28:31			Automatic time sync
Tue Jul 07, 2015	03:28:31			Automatic time sync
Sat Jul 11, 2015	03:28:36			Automatic time sync
Tue Jul 14, 2015	03:28:30			Automatic time sync
Tue Jul 14, 2015	08:31:30			07-14-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Tue Jul 21, 2015	03:28:31			Automatic time sync
Sat Jul 25, 2015	03:28:31			Automatic time sync
Wed Jul 29, 2015	17:20:01			Entered station to perform 5pt inspection to Ozone unit. Also replaced filter. Left site safe and secure. BBW
Thu Jul 30, 2015	06:54:10	CCarrasco	07/30/2015	Check site status online
Fri Jul 31, 2015	06:44:49	CCarrasco	07/31/2015	Checked site status online
Sat Aug 01, 2015	03:28:32			Automatic time sync
Mon Aug 03, 2015	07:07:34	CCarrasco	08/03/2015	Checked site status online
Tue Aug 04, 2015	07:12:52	CCarrasco	08/04/2015	Checked site status online
Wed Aug 05, 2015	06:59:16	CCarrasco	08/05/2015	Checked site status online
Thu Aug 06, 2015	06:52:38	CCarrasco	08/06/2015	Checked site status online
Fri Aug 07, 2015	07:01:10	CCarrasco	08/07/2015	Checked site status online
Mon Aug 10, 2015	07:17:47	CCarrasco	08/10/2015	Checked site status online
Tue Aug 11, 2015	08:05:07	CCarrasco	08/11/2015	Checked site status online
Wed Aug 12, 2015	06:45:55	CCarrasco	08/12/2015	Check site status online
Thu Aug 13, 2015	11:29:33	BBWhite	08/13/2015	Entering station to change particulate filter. BBW
Mon Aug 17, 2015	06:21:04	CCarrasco	08/17/2015	Checked site status online
Tue Aug 18, 2015	03:28:32			Automatic time sync
Tue Aug 18, 2015	06:47:45	CCarrasco	08/18/2015	Checked site status online
Wed Aug 19, 2015	07:14:51	CCarrasco	08/19/2015	Check site status online

Thu Aug 20, 2015	06:00:53	CCarrasco	08/20/2015	Checked site status online
Fri Aug 21, 2015	06:30:53	CCarrasco	08/21/2015	Checked site status online
Sat Aug 22, 2015	03:28:31			Automatic time sync
Mon Aug 24, 2015	06:20:44	CCarrasco	08/24/2015	Check site status online
Tue Aug 25, 2015	03:28:31			Automatic time sync
Tue Aug 25, 2015	06:02:39	CCarrasco	08/25/2015	Checked site status online
Tue Aug 25, 2015	15:14:26			8-25-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Found O3 unit running low on Pressure and rebuilt pump with new diaphragm. Performed 3-Point Calibration after pump rebuild. We calibrated using Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows low rebuilt pump, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 91.65 PPB .000= -0.08 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Wed Aug 26, 2015	06:25:50	CCarrasco	08/26/2015	Checked site status online
Thu Aug 27, 2015	06:14:54	CCarrasco	08/27/2015	Checked site status online
Fri Aug 28, 2015	06:01:17	CCarrasco	08/28/2015	Checked site status online
Mon Aug 31, 2015	06:42:16	CCarrasco	08/31/2015	Could not check site status online
Tue Sep 01, 2015	03:28:31			Automatic time sync
Wed Sep 02, 2015	05:39:52	CCarrasco	09/02/2015	Checked site status online
Thu Sep 03, 2015	05:40:43	CCarrasco	09/03/2015	Checked site status online
Fri Sep 04, 2015	06:24:02	CCarrasco	09/04/2015	Checked site status online
Sat Sep 05, 2015	03:28:30			Automatic time sync
Tue Sep 08, 2015	03:28:33			Automatic time sync
Tue Sep 08, 2015	06:13:50	CCarrasco	09/08/2015	Checked site status online
Wed Sep 09, 2015	06:33:42	CCarrasco	09/09/2015	Checked site status online
Thu Sep 10, 2015	05:29:00	CCarrasco	09/10/2015	Checked site status online
Fri Sep 11, 2015	06:07:40	CCarrasco	09/11/2015	Checked site status online
Sat Sep 12, 2015	03:28:31			Automatic time sync
Mon Sep 14, 2015	06:00:53	CCarrasco	09/14/2015	Checked site status online
Mon Sep 14, 2015	15:13:10			entered station to change ozone particulate filter. Left site safe and secure. BBW
Tue Sep 15, 2015	03:28:31			Automatic time sync
Tue Sep 15, 2015	06:19:08	CCarrasco	09/15/2015	Checked site status online
Wed Sep 16, 2015	11:56:28	koneal	09/16/2015	Checked site status online

Thu Sep 17, 2015	08:34:44	CCarrasco	09/17/2015	Checked site status online
Fri Sep 18, 2015	06:08:49	CCarrasco	09/18/2015	Checked site status online
Sat Sep 19, 2015	03:28:30			Automatic time sync
Mon Sep 21, 2015	06:00:56	CCarrasco	09/21/2015	Checked site status online
Tue Sep 22, 2015	03:28:30			Automatic time sync
Tue Sep 22, 2015	07:25:09	CCarrasco	09/22/2015	Checked site status online
Wed Sep 23, 2015	06:35:28	CCarrasco	09/23/2015	Checked site status online
Thu Sep 24, 2015	06:19:21	CCarrasco	09/24/2015	Checked site status online
Fri Sep 25, 2015	06:08:02	CCarrasco	09/25/2015	Checked site status online
Sat Sep 26, 2015	03:28:30			Automatic time sync
Tue Sep 29, 2015	03:28:34			Automatic time sync
Tue Sep 29, 2015	06:29:13	CCarrasco	09/29/2015	Checked site status online
Tue Sep 29, 2015	09:16:11			9-29-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 400.15 PPB .090= 90.88 PPB .000= 00.08 PPB Placed unit in k-code.Left Area Safe And Secure. BDW
Wed Sep 30, 2015	06:37:21	CCarrasco	09/30/2015	Checked site status online
Thu Oct 01, 2015	05:56:52	CCarrasco	10/01/2015	Checked site status online
Fri Oct 02, 2015	05:49:23	CCarrasco	10/02/2015	Checked site status online
Mon Oct 05, 2015	06:11:03	CCarrasco	10/05/2015	Checked site status online
Tue Oct 06, 2015	03:28:31			Automatic time sync
Tue Oct 06, 2015	05:53:28	CCarrasco	10/06/2015	Checked site status online
Wed Oct 07, 2015	05:58:09	CCarrasco	10/07/2015	Checked site status online
Thu Oct 08, 2015	12:25:35	koneal	10/08/2015	Checked site status online. koneal
Sat Oct 10, 2015	03:28:30			Automatic time sync
Tue Oct 13, 2015	03:28:30			Automatic time sync
Wed Oct 14, 2015	08:10:42	CCarrasco	10/14/2015	Checked site status online
Wed Oct 14, 2015	08:27:03			10-14-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Thu Oct 15, 2015	05:59:35	CCarrasco	10/15/2015	Checked site status online
Thu Oct 15, 2015	06:00:18	CCarrasco	10/15/2015	Could not check site status online

Fri Oct 16, 2015	07:08:02	CCarrasco	10/16/2015	Checked site status online
Sat Oct 17, 2015	03:28:30			Automatic time sync
Mon Oct 19, 2015	06:47:12	CCarrasco	10/19/2015	Checked site status online
Tue Oct 20, 2015	03:28:29			Automatic time sync
Tue Oct 20, 2015	06:40:33	CCarrasco	10/20/2015	Checked site status online
Wed Oct 21, 2015	06:28:36	CCarrasco	10/21/2015	Checked site status online
Thu Oct 22, 2015	06:31:09	CCarrasco	10/22/2015	Checked site status online
Fri Oct 23, 2015	06:33:49	CCarrasco	10/23/2015	Checked site status online
Sat Oct 24, 2015	03:28:31			Automatic time sync
Sat Oct 24, 2015	13:04:06			10-24-15 Entered Station to perform end of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 399.83 PPB .300= 299.93 PPB .200= 199.93 PPB .090= 89.93 PPB .000= -0.66 PPB Inspect O3 instrument checked Flows ok, intensities ok, temps ok. Made log entry and left Area Safe And Secure. BDW
Mon Oct 26, 2015	06:27:10	CCarrasco	10/26/2015	Checked site status online
Tue Oct 27, 2015	03:28:30			Automatic time sync
Tue Oct 27, 2015	06:05:07	CCarrasco	10/27/2015	Checked site status online
Wed Oct 28, 2015	07:00:14	CCarrasco	10/28/2015	Checked site status online
Thu Oct 29, 2015	06:41:09	CCarrasco	10/29/2015	Checked site status online
Fri Oct 30, 2015	06:10:20	CCarrasco	10/30/2015	Checked site status online
Mon Nov 02, 2015	07:48:46	CCarrasco	11/02/2015	Checked site status online
Tue Nov 03, 2015	04:28:30			Automatic time sync
Tue Nov 03, 2015	07:36:04	CCarrasco	11/03/2015	Checked site status online
Wed Nov 04, 2015	07:33:27	CCarrasco	11/04/2015	Checked site status online
Thu Nov 05, 2015	07:19:43	CCarrasco	11/05/2015	Checked site status online
Thu Nov 05, 2015	10:50:44			Entered station to shutdown for 2015 ozone season. Took site ozone and zero serial numbers for site inventory. left site safe and secure. BBW
Fri Nov 06, 2015	07:47:24	CCarrasco	11/06/2015	Could not check site status online
Mon Nov 09, 2015	07:26:39	CCarrasco	11/09/2015	Could not check site status online

Mon Nov 09, 2015	10:37:44	leadsadmin	11/09/2015	Monitor shutdown date set to 20151105,10:00 for: Ozone == 44201_1 Wind Speed == 61101_1 Resultant Wind Speed == 61103_1 Resultant Wind Direction == 61104_1 Maximum Wind Gust == 61105_1 Standard Deviation of Horizontal Wind Direction == 61106_1 Outdoor Temperature == 62101_1 Internal Station Temperature == 62107_1 Precipitation == 65102_1
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Operator Logs for Bulverde Elementary C503

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 Bulverde Elementary C503 (48_091_0503)
Wed Apr 01, 2015	10:35:17			04-01-15 Entered Station yesterday could not communicate with data logger pulled equipment out and repaired at our shop but replaced all ptfе tubing. Arrived today to perform start of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 399.68 PPB .300= 300.01 PPB .200= 199.26 PPB .090= 90.65 PPB .000= 00.38 PPb made log entry and left Area Safe And Secure. BDW
Wed Apr 01, 2015	12:18:41	leadsadmin	04/01/2015	Monitor shutdown date cleared for: Ozone == 44201_1 Internal Station Temperature == 62107_1
Wed Apr 01, 2015	13:09:45	leadsadmin	04/01/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 503 (Bulverde Elementary C503), Site: 48_091_0503 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 5, 2014 15:00:00 CST End Date: April 1, 2015 08:00:00 CST
Wed Apr 01, 2015	13:10:27	leadsadmin	04/01/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 503 (Bulverde Elementary C503), Site: 48_091_0503 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 5, 2014 15:00:00 CST End Date: April 1, 2015 08:00:00 CST
Sat Apr 04, 2015	03:13:12			Automatic time sync
Mon Apr 06, 2015	13:52:48	jmccraw	04/06/2015	Entered station to trouble shoot reporting problem. the Zeno does not transport data to the modem, the modem connects, the Zeno is powered on and data is collecting, the com port may be out on Zeno further equipment required to complete this task.

Wed Apr 08, 2015	13:40:29			Entered station to replace the site zero, the com port on installed unit stopped working. All previous data points and log entries will be uploaded to TCEQ in file format when coms to zero can be restored. O3 unit operations never effected or changed, no calibration required. left site safe and secure. jmccraw/dca
Wed Apr 08, 2015	13:40:29			Entered station to replace the site zero, the com port on installed unit stopped working. All previous data points and log entries will be uploaded to TCEQ in file format when coms to zero can be restored. O3 unit operations never effected or changed, no calibration required. left site safe and secure. jmccraw/dca
Wed Apr 08, 2015	13:40:29			Entered station to replace the site zero, the com port on installed unit stopped working. All previous data points and log entries will be uploaded to TCEQ in file format when coms to zero can be restored. O3 unit operations never effected or changed, no calibration required. Left site safe and secure. jmccraw/dca
Thu Apr 09, 2015	10:58:35			04-09-15: Arrived at site and checked if data logger was collection data. Everything seems to be working great but Wireless modem acting up will not transfer data. Will take to shop and may have to replace. Made log entry and left site safe and secure. BDW
Thu Apr 09, 2015	10:58:35			04-09-15: Arrived at site and checked if data logger was collection data. Everything seems to be working great but Wireless modem acting up will not transfer data. Will take to shop and may have to replace. Made log entry and left site safe and secure. BDW
Thu Apr 09, 2015	10:58:35			04-09-15: Arrived at site and checked if data logger was collection data. Everything seems to be working great but Wireless modem acting up will not transfer data. Will take to shop and may have to replace. Made log entry and left site safe and secure. BDW
Tue Apr 14, 2015	15:36:52			04/14/2015: Entered station to download data off zero and change filter in station. Left site safe and secure. BBW
Tue Apr 14, 2015	15:36:52			04/14/2015: Entered station to download data off zero and change filter in station. Left site safe and secure. BBW
Tue Apr 14, 2015	15:36:52			04/14/2015: Entered station to download data off zero and change filter in station. Left site safe and secure. BBW
Tue Apr 21, 2015	13:42:00			Entered station to download data off of zero. Left site safe and secure. BBW
Tue Apr 21, 2015	13:42:00			Entered station to download data off of zero. Left site safe and secure. BBW
Tue Apr 21, 2015	13:42:00			Entered station to download data off of zero. Left site safe and secure. BBW

Tue Apr 28, 2015	12:13:12			4-28-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.65 PPB .090= 89.88 PPB .000= 00.18 PPB Placed unit in k-code.Left Area Safe And Secure. BDW
Tue Apr 28, 2015	12:13:12			4-28-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.65 PPB .090= 89.88 PPB .000= 00.18 PPB Placed unit in k-code.Left Area Safe And Secure. BDW
Tue Apr 28, 2015	12:13:12			4-28-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.65 PPB .090= 89.88 PPB .000= 00.18 PPB Placed unit in k-code.Left Area Safe And Secure. BDW
Fri May 01, 2015	12:54:26			entered station and pulled data from zeno for end of month to deliver to TCEQ.jmccraw
Fri May 01, 2015	12:54:26			entered station and pulled data from zeno for end of month to deliver to TCEQ.jmccraw
Fri May 01, 2015	12:54:26			entered station and pulled data from zeno for end of month to deliver to TCEQ.jmccraw
Tue May 12, 2015	12:14:10			Entered station to retrieve data off of Zeno. Changed particulate filter, made log entry and left site safe and secure. Left site safe and secure. BBW
Tue May 12, 2015	12:14:10			Entered station to retrieve data off of Zeno. Changed particulate filter, made log entry and left site safe and secure. Left site safe and secure. BBW
Tue May 12, 2015	12:14:10			Entered station to retrieve data off of Zeno. Changed particulate filter, made log entry and left site safe and secure. Left site safe and secure. BBW

Tue May 26, 2015	18:16:47			5-26-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 90.66 PPB .000= 00.15 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Tue May 26, 2015	18:16:47			5-26-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 90.66 PPB .000= 00.15 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Tue May 26, 2015	18:16:47			5-26-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 399.96 PPB .090= 90.66 PPB .000= 00.15 PPB Placed unit in k-code. Left Area Safe And Secure. BDW
Tue Jun 02, 2015	10:44:04			Entered station to work on station communication problems, replaced modem and connected to tower then lost signal, tried to reboot unit no go , removed all modems to shop for replacement of SIM cards and verify operation. pulled data from 05262015 to upload to Laura. left site safe and secure. jmccraw
Tue Jun 02, 2015	10:44:04			Entered station to work on station communication problems, replaced modem and connected to tower then lost signal, tried to reboot unit no go , removed all modems to shop for replacement of SIM cards and verify operation. pulled data from 05262015 to upload to Laura. left site safe and secure. jmccraw
Tue Jun 02, 2015	10:44:04			Entered station to work on station communication problems, replaced modem and connected to tower then lost signal, tried to reboot unit no go , removed all modems to shop for replacement of SIM cards and verify operation. pulled data from 05262015 to upload to Laura. left site safe and secure. jmccraw
Mon Jun 15, 2015	12:22:49			06/15/2015: Entered station to change particulate filter and download data off of the Zeno. Left site safe and secure. BBW
Mon Jun 29, 2015	17:32:39			Entered station to perform monthly 3pt. Also downloaded data and replace particulate filter. Left site safe and secure. BBW

Mon Jun 29, 2015	17:32:39			Entered station to perform monthly 3pt. Also downloaded data and replace particulate filter. Left site safe and secure. BBW
Thu Jul 16, 2015	11:07:07			07-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps,frequencies, pressures. All OK.Tried to get comms to work again before data retrieval again. Made log entry left Area safe and secure. BDW/CC
Thu Jul 16, 2015	11:07:07			07-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps,frequencies, pressures. All OK.Tried to get comms to work again before data retrieval again. Made log entry left Area safe and secure. BDW/CC
Thu Jul 16, 2015	11:07:07			07-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps,frequencies, pressures. All OK.Tried to get comms to work again before data retrieval again. Made log entry left Area safe and secure. BDW/CC
Tue Jul 28, 2015	16:07:48			ENtered station to perform 5pt check to Ozone unit and change filter. Left site safe and secure. BBW
Tue Jul 28, 2015	16:07:48			ENtered station to perform 5pt check to Ozone unit and change filter. Left site safe and secure. BBW
Tue Jul 28, 2015	16:07:48			ENtered station to perform 5pt check to Ozone unit and change filter. Left site safe and secure. BBW
Thu Jul 30, 2015	06:56:28	CCarrasco	07/30/2015	Could not check site
Fri Jul 31, 2015	06:45:44	CCarrasco	07/31/2015	Could not check site online
Mon Aug 03, 2015	07:08:43	CCarrasco	08/03/2015	Could not check site status online
Tue Aug 04, 2015	07:13:40	CCarrasco	08/04/2015	Could not check site status online
Tue Aug 04, 2015	11:03:39			Entered station to download data from Zeno. left site safe and secure. BBW
Tue Aug 04, 2015	11:03:39			Entered station to download data from Zeno. left site safe and secure. BBW
Tue Aug 04, 2015	11:03:39			Entered station to download data from Zeno. left site safe and secure. BBW
Wed Aug 05, 2015	07:00:07	CCarrasco	08/05/2015	Could not check site status online
Thu Aug 06, 2015	06:53:19	CCarrasco	08/06/2015	Could not check site status online
Fri Aug 07, 2015	07:01:59	CCarrasco	08/07/2015	Could not check site status online
Mon Aug 10, 2015	07:18:41	CCarrasco	08/10/2015	Could not check site status online
Tue Aug 11, 2015	08:05:46	CCarrasco	08/11/2015	Could not check site status online
Wed Aug 12, 2015	06:46:41	CCarrasco	08/12/2015	Could not check site status online
Thu Aug 13, 2015	11:30:18	BBWhite	08/13/2015	Entering station to change particulate filters.. BBW
Mon Aug 17, 2015	06:22:26	CCarrasco	08/17/2015	Could not check site status online

Tue Aug 18, 2015	06:48:28	CCarrasco	08/18/2015	Could not check site status online
Tue Aug 18, 2015	11:09:39			Entered station to download data off of ZENO. Left site safe and secure BBW
Tue Aug 18, 2015	11:09:39			Entered station to download data off of ZENO. Left site safe and secure BBW
Tue Aug 18, 2015	11:09:39			Entered station to download data off of ZENO. Left site safe and secure BBW
Wed Aug 19, 2015	07:15:24	CCarrasco	08/19/2015	Could not check site status online
Thu Aug 20, 2015	06:01:27	CCarrasco	08/20/2015	Could not check site status online
Fri Aug 21, 2015	06:31:41	CCarrasco	08/21/2015	Could not check site status online
Mon Aug 24, 2015	06:21:27	CCarrasco	08/24/2015	Could not check site status online
Tue Aug 25, 2015	06:03:18	CCarrasco	08/25/2015	Could not check site status online
Wed Aug 26, 2015	06:26:23	CCarrasco	08/26/2015	Could not check site status online
Thu Aug 27, 2015	06:15:32	CCarrasco	08/27/2015	Could not check site status online
Fri Aug 28, 2015	06:01:52	CCarrasco	08/28/2015	Could not check site status online
Mon Aug 31, 2015	06:42:49	CCarrasco	08/31/2015	Could not check site status online
Mon Aug 31, 2015	13:53:34			Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry.notified school ac unit out, alarms going off and water is flooding out of floor drain. 400= 400.6 PPB 090=89.6 PPB 0=0.4 PPB Placed unit in k-code.Left Area Safe And Secure. jmccraw/dca
Mon Aug 31, 2015	13:53:34			Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter.Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry.notified school ac unit out, alarms going off and water is flooding out of floor drain. 400= 400.6 PPB 090=89.6 PPB 0=0.4 PPB Placed unit in k-code.Left Area Safe And Secure. jmccraw/dca

Mon Aug 31, 2015	13:53:34			Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15. inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. notified school ac unit out, alarms going off and water is flooding out of floor drain. 400= 400.6 PPB 090=89.6 PPB 0=0.4 PPB Placed unit in k-code. Left Area Safe And Secure. jmcraw/dca
Wed Sep 02, 2015	05:40:26	CCarrasco	09/02/2015	Could not check site status online
Thu Sep 03, 2015	05:41:16	CCarrasco	09/03/2015	Could not check site status online
Fri Sep 04, 2015	06:24:42	CCarrasco	09/04/2015	Could not check site status online
Tue Sep 08, 2015	06:14:36	CCarrasco	09/08/2015	Could not check site status online
Wed Sep 09, 2015	06:34:14	CCarrasco	09/09/2015	Could not check site status online
Thu Sep 10, 2015	05:29:28	CCarrasco	09/10/2015	Could not check site online
Fri Sep 11, 2015	06:08:29	CCarrasco	09/11/2015	Could not check site status online
Mon Sep 14, 2015	06:01:30	CCarrasco	09/14/2015	Could not check site status online
Mon Sep 14, 2015	15:44:20			Entered station to download data from the zeno, also changed particulate filters for the ozone unit. left site safe and secure. BBW
Mon Sep 14, 2015	15:44:20			Entered station to download data from the zeno, also changed particulate filters for the ozone unit. left site safe and secure. BBW
Tue Sep 15, 2015	06:19:42	CCarrasco	09/15/2015	Could not check site status online
Wed Sep 16, 2015	11:56:01	koneal	09/16/2015	Could not check site status online.
Thu Sep 17, 2015	08:35:20	CCarrasco	09/17/2015	Could not check site status online
Fri Sep 18, 2015	06:09:17	CCarrasco	09/18/2015	Could not check site status online
Mon Sep 21, 2015	06:01:37	CCarrasco	09/21/2015	Could not check site status online
Tue Sep 22, 2015	07:25:44	CCarrasco	09/22/2015	Could not check site status online
Wed Sep 23, 2015	06:36:01	CCarrasco	09/23/2015	Could not check site status online
Thu Sep 24, 2015	06:19:56	CCarrasco	09/24/2015	Could not check site status online
Fri Sep 25, 2015	06:08:40	CCarrasco	09/25/2015	Could not check site status online
Tue Sep 29, 2015	06:30:19	CCarrasco	09/29/2015	Could not check site status online
Tue Sep 29, 2015	12:05:14			Entered station to perform 3pt inspection and download data from the zeno. Left site safe and secure. BBW
Tue Sep 29, 2015	12:05:14			Entered station to perform 3pt inspection and download data from the zeno. Left site safe and secure. BBW
Wed Sep 30, 2015	06:38:02	CCarrasco	09/30/2015	Could not check site status online
Thu Oct 01, 2015	05:57:31	CCarrasco	10/01/2015	Could not check site status online

Fri Oct 02, 2015	05:50:04	CCarrasco	10/02/2015	Could not check site status online
Mon Oct 05, 2015	06:11:36	CCarrasco	10/05/2015	Could not check site status online
Tue Oct 06, 2015	05:54:05	CCarrasco	10/06/2015	Could not check site status online
Wed Oct 07, 2015	05:58:59	CCarrasco	10/07/2015	Could not check site status online
Thu Oct 08, 2015	12:25:23	koneal	10/08/2015	Checked site status online. koneal
Wed Oct 14, 2015	08:11:17	CCarrasco	10/14/2015	Could not check site status online
Thu Oct 15, 2015	06:00:54	CCarrasco	10/15/2015	Could not check site status online
Fri Oct 16, 2015	07:08:34	CCarrasco	10/16/2015	Could not check site status online
Fri Oct 16, 2015	16:55:58			10-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Fri Oct 16, 2015	16:55:58			10-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Mon Oct 19, 2015	06:47:49	CCarrasco	10/19/2015	Could not check site status online
Tue Oct 20, 2015	06:41:05	CCarrasco	10/20/2015	Could not check site status online
Wed Oct 21, 2015	06:29:15	CCarrasco	10/21/2015	Could not check site status online
Thu Oct 22, 2015	06:31:45	CCarrasco	10/22/2015	Could not check site status online
Fri Oct 23, 2015	06:34:19	CCarrasco	10/23/2015	Could not check site status online
Mon Oct 26, 2015	06:27:43	CCarrasco	10/26/2015	Could not check site status online
Mon Oct 26, 2015	16:25:05			10-26-15 Entered Station to perform end of year 5-Point Calibration and perform biweekly filter change. Q-coded O3 unit and started. O3 unit calibrated with Thermo Model 165C S/N 165C-49519-275 calibrated using TCEQ primary standard S/N 116 API T703 on 01/26/15. Changed filter and Placed unit back in k-code. Calibration Ok. .400= 399.91 PPB .300= 300.63 PPB .200= 200.30 PPB .090= 90.23 PPB .000= 00.16 PPb Inspect O3 instrument checked Flows ok, intensities ok, temps ok. Made log entry and left Area Safe And Secure
Tue Oct 27, 2015	06:05:37	CCarrasco	10/27/2015	Could not check site status online
Wed Oct 28, 2015	07:01:23	CCarrasco	10/28/2015	Could not check site status online
Thu Oct 29, 2015	06:41:39	CCarrasco	10/29/2015	Could not check site status online
Fri Oct 30, 2015	06:11:00	CCarrasco	10/30/2015	Could not check site status online
Mon Nov 02, 2015	07:49:27	CCarrasco	11/02/2015	Could not check site status online
Mon Nov 02, 2015	16:58:50			11-2-15: Entered station to pull all data, and shut down all equipment. left site safe and secure. DCA
Tue Nov 03, 2015	07:35:51	CCarrasco	11/03/2015	Could not check site status online
Wed Nov 04, 2015	07:33:14	CCarrasco	11/04/2015	Could not check site status online

Thu Nov 05, 2015	07:19:30	CCarrasco	11/05/2015	Could not check site status online
Fri Nov 06, 2015	07:48:00	CCarrasco	11/06/2015	Could not check site status online
Mon Nov 09, 2015	07:26:55	CCarrasco	11/09/2015	Could not check site status online
Mon Nov 09, 2015	10:38:29	leadsadmin	11/09/2015	Monitor shutdown date set to 20151102,16:00 for: Ozone == 44201_1 Internal Station Temperature == 62107_1

Operator Logs for New Braunfels Airport C504

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 New Braunfels Airport C504 (48_187_0504)
Mon Mar 30, 2015	16:10:22			3-30-15: Entered station to conduct season start-up 5-pt Calibration on Thermo O3 unit using Thermo model 165C O3 Generator. sn:165C-74465-376 which was calibrated on 1/12/15 with transfer standard sn:116 API T703. All sample lines were replaced and unit turned on last week to warm upsws. Checked temps, pressures and Intensities, all ok. Placed O3 unit to q-code. Completed with less than 1% error. 400 set = 400.2 ppb, 300 set = 300.1 ppb, 200 set = 199.9 ppb, 90 set = 90.0 ppb. zero set = 0.1 ppb. Changed particulate filter. Put O3 unit back to k-code. Made log entry and left site safe and secure. KONeal
Tue Mar 31, 2015	10:29:07	leadsadmin	03/31/2015	Monitor shutdown date cleared for: Ozone == 44201_1 Internal Station Temperature == 62107_1
Tue Mar 31, 2015	12:53:33	leadsadmin	03/31/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 504 (New Braunfels Airport C504), Site: 48_187_0504 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 4, 2014 15:00:00 CST End Date: March 30, 2015 15:00:00 CST
Tue Mar 31, 2015	12:54:35	leadsadmin	03/31/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 504 (New Braunfels Airport C504), Site: 48_187_0504 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 4, 2014 15:00:00 CST End Date: March 30, 2015 15:00:00 CST
Sat Apr 04, 2015	03:13:37			Automatic time sync
Tue Apr 07, 2015	03:13:38			Automatic time sync
Sat Apr 11, 2015	03:13:37			Automatic time sync
Tue Apr 14, 2015	03:13:38			Automatic time sync
Thu Apr 16, 2015	14:07:23			4-16-15: Entered station to perform bi weekly maintenance. Changed filter and left site safe and secure. DCA u

Sat Apr 18, 2015	03:13:38			Automatic time sync
Thu Apr 30, 2015	09:05:00			4-30-2015: Entered station to perform 3 pt cal, checked INST flows, pressures, temps & intensities all OK. PUT o3 back in K code, changed particulate filter, made log entry and left site safe and secure. DCA/JmcCraw
Tue May 05, 2015	03:13:37			Automatic time sync
Tue May 12, 2015	03:13:38			Automatic time sync
Thu May 14, 2015	08:35:34			Entered station to perform periodic maintenance items, replaced particulate filter, checked O3 instrument flows, frequencies, temps, pressures, and voltages. made log entries and left site safe and secure. jmcCraw
Wed May 27, 2015	17:50:39			5-27-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 45919-275 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok.Q-coded O3 unit and started. 400= 400.0 PPB; 90= 90.3 PPB; 0.00= 0.0 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Sat May 30, 2015	03:13:38			Automatic time sync
Tue Jun 02, 2015	03:13:39			Automatic time sync
Tue Jun 09, 2015	03:13:38			Automatic time sync
Sat Jun 13, 2015	03:13:38			Automatic time sync
Tue Jun 16, 2015	09:10:09			Entered station to perform periodic maintenance items, replaced particulate filter, checked O3 instrument flows, frequencies, temps, pressures, and voltages. This unit pump is getting noisy will schedule a replacement unit be ready. made log entries and left site safe and secure. jmcCraw
Thu Jun 25, 2015	15:45:40			6-25-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok.Q-coded O3 unit and started. 400= 400.2 PPB; 90= 90.3 PPB; 0.00= -0.2 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Tue Jun 30, 2015	03:13:38			Automatic time sync
Sat Jul 04, 2015	03:13:39			Automatic time sync
Tue Jul 14, 2015	03:13:38			Automatic time sync
Tue Jul 14, 2015	15:15:26			7-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. All ok. Changed particulate filter, made log entry and left site safe and secure. koneal

Tue Jul 21, 2015	03:13:37			Automatic time sync
Sat Jul 25, 2015	03:13:39			Automatic time sync
Tue Jul 28, 2015	11:41:43			7-28-15: Entered station to perform bi-weekly maintenance and 5-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 (due for calibration on 1/13/16). Checked flows, pressures, Intensities and temperatures. All ok. Q-coded O3 unit and started. 400= 400.1 PPB; 300= 300.5 PPB; 200= 199.9 PPB; 90= 90.3 PPB; 0.00= 0.0 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Thu Jul 30, 2015	06:56:53	CCarrasco	07/30/2015	Check site status online
Fri Jul 31, 2015	06:46:06	CCarrasco	07/31/2015	Checked site status online
Sat Aug 01, 2015	03:13:38			Automatic time sync
Mon Aug 03, 2015	07:09:03	CCarrasco	08/03/2015	Checked site status online
Tue Aug 04, 2015	03:13:37			Automatic time sync
Tue Aug 04, 2015	07:14:01	CCarrasco	08/04/2015	Checked site status online
Wed Aug 05, 2015	07:00:39	CCarrasco	08/05/2015	Checked site status online
Thu Aug 06, 2015	06:53:41	CCarrasco	08/06/2015	Checked site status online
Fri Aug 07, 2015	07:02:19	CCarrasco	08/07/2015	Checked site status online
Sat Aug 08, 2015	03:13:38			Automatic time sync
Mon Aug 10, 2015	07:18:58	CCarrasco	08/10/2015	Checked site status online
Tue Aug 11, 2015	03:13:38			Automatic time sync
Tue Aug 11, 2015	08:06:57	CCarrasco	08/11/2015	Checked site status online
Wed Aug 12, 2015	06:46:59	CCarrasco	08/12/2015	Check site status online
Fri Aug 14, 2015	15:57:32			8-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. All ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Sat Aug 15, 2015	03:13:38			Automatic time sync
Mon Aug 17, 2015	06:22:46	CCarrasco	08/17/2015	Checked site status online
Tue Aug 18, 2015	06:48:45	CCarrasco	08/18/2015	Checked site status online
Wed Aug 19, 2015	07:15:40	CCarrasco	08/19/2015	Check site status online
Thu Aug 20, 2015	06:01:48	CCarrasco	08/20/2015	Checked site status online
Fri Aug 21, 2015	06:32:01	CCarrasco	08/21/2015	Checked site status online
Mon Aug 24, 2015	06:21:47	CCarrasco	08/24/2015	Check site status online
Tue Aug 25, 2015	06:03:34	CCarrasco	08/25/2015	Checked site status online

Tue Aug 25, 2015	15:55:13			8-25-15: Entered station to conduct bi-monthly maintenance and 3 pt calibration on O3 unit. Checked temps, pressures, flows & frequencies, all ok. Put O3 unit in Q-code. Started 3 point calibration using O3 Generator sn: 165C-74465-376 which was calibrated on 1-12-15. Completed with less than 1% error. 400 set = 400.1 ppb, 90 set = 90.5 ppb. zero set = 0.1 ppb. Changed particulate filter. Put O3 unit back to k-code. Made log entry and left site safe and secure. KONEal 8-5-15: Put O3 unit back in K-Code. koneal
Wed Aug 26, 2015	06:26:41	CCarrasco	08/26/2015	Checked site status online
Thu Aug 27, 2015	06:15:49	CCarrasco	08/27/2015	Checked site status online
Fri Aug 28, 2015	06:02:08	CCarrasco	08/28/2015	Checked site status online
Fri Aug 28, 2015	06:02:35	CCarrasco	08/28/2015	Checked site status online
Sat Aug 29, 2015	03:13:37			Automatic time sync
Mon Aug 31, 2015	06:43:08	CCarrasco	08/31/2015	Checked site status online
Tue Sep 01, 2015	03:13:38			Automatic time sync
Wed Sep 02, 2015	05:40:47	CCarrasco	09/02/2015	Checked site status online
Thu Sep 03, 2015	05:41:35	CCarrasco	09/03/2015	Checked site status online
Fri Sep 04, 2015	06:25:01	CCarrasco	09/04/2015	Checked site status online
Tue Sep 08, 2015	03:13:37			Automatic time sync
Tue Sep 08, 2015	06:14:57	CCarrasco	09/08/2015	Checked site status online
Wed Sep 09, 2015	06:34:31	CCarrasco	09/09/2015	Checked site status online
Thu Sep 10, 2015	05:29:44	CCarrasco	09/10/2015	Checked site status online
Fri Sep 11, 2015	06:08:47	CCarrasco	09/11/2015	Checked site status online
Sat Sep 12, 2015	03:13:38			Automatic time sync
Tue Sep 15, 2015	06:20:01	CCarrasco	09/15/2015	Checked site status online
Tue Sep 15, 2015	10:53:06			9-15-15: Entered station to conduct bi-monthly maintenance. Changed particulate filter and checked temps, pressures, flows & intensities. All parameters are ok. Made log entry and left site safe and secure. KONEal
Wed Sep 16, 2015	11:55:04	koneal	09/16/2015	Checked site status online
Thu Sep 17, 2015	08:35:38	CCarrasco	09/17/2015	Checked site status online
Fri Sep 18, 2015	06:09:35	CCarrasco	09/18/2015	Checked site status online
Sat Sep 19, 2015	03:13:38			Automatic time sync
Mon Sep 21, 2015	06:01:54	CCarrasco	09/21/2015	Checked site status online
Tue Sep 22, 2015	03:13:38			Automatic time sync
Tue Sep 22, 2015	07:26:05	CCarrasco	09/22/2015	Checked site status online
Wed Sep 23, 2015	06:36:17	CCarrasco	09/23/2015	Checked site status online

Thu Sep 24, 2015	06:20:13	CCarrasco	09/24/2015	Checked site status online
Fri Sep 25, 2015	06:08:57	CCarrasco	09/25/2015	Checked site status online
Tue Sep 29, 2015	03:13:37			Automatic time sync
Tue Sep 29, 2015	06:30:38	CCarrasco	09/29/2015	Checked site status online
Tue Sep 29, 2015	16:19:47			9-29-15: Entered station to perform Bi-Monthly maintenance and 3-point calibration. Checked flows, pressures, intensities and temperatures. All ok. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N: 165C45919-275 (calibration due on 1/13/16). Calibration passed with less than 1% error: 400= 400.3 PPB; 90= 89.8 PPB; 0= 0.2 PPB. Changed O3 particulate filter and placed unit back to k-code. Made log entry and left area safe and secure. koneal
Wed Sep 30, 2015	06:38:20	CCarrasco	09/30/2015	Checked site status online
Thu Oct 01, 2015	05:57:46	CCarrasco	10/01/2015	Checked site status online
Fri Oct 02, 2015	05:50:21	CCarrasco	10/02/2015	Checked site status online
Mon Oct 05, 2015	06:11:56	CCarrasco	10/05/2015	Checked site status online
Tue Oct 06, 2015	05:54:22	CCarrasco	10/06/2015	Checked site status online
Wed Oct 07, 2015	05:59:16	CCarrasco	10/07/2015	Checked site status online
Thu Oct 08, 2015	12:25:09	koneal	10/08/2015	Checked site status online. koneal
Wed Oct 14, 2015	08:11:34	CCarrasco	10/14/2015	Checked site status online
Wed Oct 14, 2015	14:53:56			9-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. All ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Thu Oct 15, 2015	06:01:17	CCarrasco	10/15/2015	Checked site status online
Fri Oct 16, 2015	07:08:49	CCarrasco	10/16/2015	Checked site status online
Mon Oct 19, 2015	06:48:10	CCarrasco	10/19/2015	Checked site status online
Tue Oct 20, 2015	03:13:39			Automatic time sync
Tue Oct 20, 2015	06:42:21	CCarrasco	10/20/2015	Checked site status online
Wed Oct 21, 2015	06:29:38	CCarrasco	10/21/2015	Checked site status online
Thu Oct 22, 2015	06:32:04	CCarrasco	10/22/2015	Checked site status online
Fri Oct 23, 2015	06:34:42	CCarrasco	10/23/2015	Checked site status online
Sat Oct 24, 2015	03:13:38			Automatic time sync
Mon Oct 26, 2015	06:28:02	CCarrasco	10/26/2015	Checked site status online
Tue Oct 27, 2015	06:05:56	CCarrasco	10/27/2015	Checked site status online

Tue Oct 27, 2015	11:50:10			10-27-15: Entered station to perform bi-weekly maintenance and 5-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 (due for calibration on 1/13/16). Checked flows, pressures, intensities and temperatures. All ok. Q-coded O3 unit and started. 400= 400.1 PPB; 300= 300.1 PPB; 200= 199.7 PPB; 90= 90.2 PPB; 0.00= 0.0 PPB. Changed particulate filter. Placed unit back in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Wed Oct 28, 2015	07:01:39	CCarrasco	10/28/2015	Checked site status online
Thu Oct 29, 2015	06:41:57	CCarrasco	10/29/2015	Checked site status online
Fri Oct 30, 2015	06:11:26	CCarrasco	10/30/2015	Checked site status online
Sat Oct 31, 2015	03:13:38			Automatic time sync
Mon Nov 02, 2015	07:49:45	CCarrasco	11/02/2015	Checked site status online
Tue Nov 03, 2015	04:13:38			Automatic time sync
Tue Nov 03, 2015	07:35:20	CCarrasco	11/03/2015	Checked site status online
Wed Nov 04, 2015	07:32:40	CCarrasco	11/04/2015	Checked site status online
Thu Nov 05, 2015	07:18:57	CCarrasco	11/05/2015	Checked site status online
Fri Nov 06, 2015	07:48:19	CCarrasco	11/06/2015	Checked site status online
Fri Nov 06, 2015	11:08:42			11-6-15: Entered station to shut down Ozone unit for end of season. Checked all parameters, all ok. Made log entry and Left site safe and secure. KONEal
Mon Nov 09, 2015	07:27:16	CCarrasco	11/09/2015	Could not check site status online
Mon Nov 09, 2015	10:39:02	leadsadmin	11/09/2015	Monitor shutdown date set to 20151106,11:00 for: Ozone == 44201_1 Internal Station Temperature == 62107_1

Operator Logs for City of Garden Ridge C505

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 City of Garden Ridge C505 (48_091_0505)
Tue Mar 31, 2015	16:13:39			3-31-15: Entered station to perform Beginning of ozone season 5-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok.Q-coded O3 unit and started. 400= 400.3 PPB; 300= 300.7 PPB ; 200= 199.8 PPB 90= 89.6 PPB; 0.00= 0.3 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Wed Apr 01, 2015	12:19:51	leadsadmin	04/01/2015	Monitor shutdown date cleared for: Ozone == 44201_1 Internal Station Temperature == 62107_1
Wed Apr 01, 2015	13:13:17	leadsadmin	04/01/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 505 (City of Garden Ridge C505), Site: 48_091_0505 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 5, 2014 15:00:00 CST End Date: March 31, 2015 14:00:00 CST
Wed Apr 01, 2015	13:13:50	leadsadmin	04/01/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 505 (City of Garden Ridge C505), Site: 48_091_0505 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 5, 2014 15:00:00 CST End Date: March 31, 2015 14:00:00 CST
Wed Apr 01, 2015	14:34:53			Placed ozone back into K code for operator. Laura R.
Sat Apr 04, 2015	03:13:09			Automatic time sync
Tue Apr 07, 2015	03:13:09			Automatic time sync
Sat Apr 11, 2015	03:13:09			Automatic time sync
Tue Apr 14, 2015	03:13:09			Automatic time sync
Sat Apr 18, 2015	03:13:08			Automatic time sync
Tue Apr 21, 2015	03:13:09			Automatic time sync
Sat Apr 25, 2015	03:13:09			Automatic time sync

Tue Apr 28, 2015	03:13:09			Automatic time sync
Tue Apr 28, 2015	12:07:50			4-28-2015: Entered station to perform 3 pt cal, checked Inst flows, pressure and temps all OK, changed particulate filter and made log entry. Left site safe and secure. DCA/BBW
Sat May 02, 2015	03:13:09			Automatic time sync
Tue May 05, 2015	03:13:09			Automatic time sync
Sat May 09, 2015	03:13:08			Automatic time sync
Tue May 12, 2015	03:13:09			Automatic time sync
Wed May 13, 2015	14:53:00			05-13-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Sat May 16, 2015	03:13:08			Automatic time sync
Tue May 19, 2015	03:13:09			Automatic time sync
Sat May 23, 2015	03:13:09			Automatic time sync
Tue May 26, 2015	03:13:09			Automatic time sync
Fri May 29, 2015	12:40:22			5-29-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok. Q-coded O3 unit and started. 400= 400.1 PPB; 90= 89.8 PPB; 0.00= 0.4 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal 5-29-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok.Q-coded O3 unit and started. 400= 400.1 PPB; 90= 89.8 PPB; 0.00= 0.4 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Sat May 30, 2015	03:13:09			Automatic time sync
Tue Jun 02, 2015	03:13:09			Automatic time sync
Sat Jun 06, 2015	03:13:10			Automatic time sync
Tue Jun 09, 2015	03:13:09			Automatic time sync
Sat Jun 13, 2015	03:13:09			Automatic time sync
Mon Jun 15, 2015	11:38:55			Entered station to change particulate filter. Left site safe and secure. BBW
Tue Jun 16, 2015	03:13:09			Automatic time sync
Sat Jun 20, 2015	03:13:09			Automatic time sync
Tue Jun 23, 2015	03:13:09			Automatic time sync

Fri Jun 26, 2015	14:43:11			6-26-15 Entered station to perform 3-point calibration and inspect O3 instrument and change filter. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N 165C45919-275 calibrated using TCEQ primary standard N S/N 116 API T703 on 01/26/15.inspect O3 instrument and change filter. Checked Flows ok, intensities ok, temps ok Calibration Ok made log entry. .400= 398.86 PPB .090= 90.30 PPB .000= 00.26 PPB Placed unit in k-code. Left Area Safe And Secure. BDW .
Sat Jun 27, 2015	03:13:09			Automatic time sync
Tue Jun 30, 2015	03:13:09			Automatic time sync
Sat Jul 04, 2015	03:13:09			Automatic time sync
Tue Jul 07, 2015	03:13:09			Automatic time sync
Sat Jul 11, 2015	03:13:09			Automatic time sync
Tue Jul 14, 2015	03:13:09			Automatic time sync
Thu Jul 16, 2015	13:30:12			a u u
Thu Jul 16, 2015	13:30:57			u 7-16-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. All ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Sat Jul 18, 2015	03:13:08			Automatic time sync
Tue Jul 21, 2015	03:13:09			Automatic time sync
Sat Jul 25, 2015	03:13:09			Automatic time sync
Tue Jul 28, 2015	03:13:08			Automatic time sync
Wed Jul 29, 2015	13:12:17			Entered station to perform 5pt inspection to Ozone unit. Also changed filters. Left site safe and secure. BBW
Thu Jul 30, 2015	06:57:23	CCarrasco	07/30/2015	Check site status online
Fri Jul 31, 2015	06:46:23	CCarrasco	07/31/2015	Checked site status online
Sat Aug 01, 2015	03:13:09			Automatic time sync
Mon Aug 03, 2015	07:09:36	CCarrasco	08/03/2015	Checked site status online
Tue Aug 04, 2015	03:13:09			Automatic time sync
Tue Aug 04, 2015	07:14:33	CCarrasco	08/04/2015	Checked site status online
Wed Aug 05, 2015	07:00:59	CCarrasco	08/05/2015	Checked site status online
Thu Aug 06, 2015	06:54:02	CCarrasco	08/06/2015	Checked site status online
Fri Aug 07, 2015	07:02:37	CCarrasco	08/07/2015	Checked site status online
Sat Aug 08, 2015	03:13:09			Automatic time sync
Mon Aug 10, 2015	07:19:18	CCarrasco	08/10/2015	Checked site status online
Tue Aug 11, 2015	03:13:08			Automatic time sync
Tue Aug 11, 2015	08:07:20	CCarrasco	08/11/2015	Checked site status online

Wed Aug 12, 2015	06:47:14	CCarrasco	08/12/2015	Check site status online
Thu Aug 13, 2015	11:30:53	BBWhite	08/13/2015	Entering Station to change particulate filter.. BradWhite
Sat Aug 15, 2015	03:13:09			Automatic time sync
Mon Aug 17, 2015	06:23:07	CCarrasco	08/17/2015	Checked site status online
Tue Aug 18, 2015	03:13:09			Automatic time sync
Tue Aug 18, 2015	06:49:04	CCarrasco	08/18/2015	Checked site status online
Wed Aug 19, 2015	07:15:58	CCarrasco	08/19/2015	Check site status online
Thu Aug 20, 2015	06:02:04	CCarrasco	08/20/2015	Checked site status online
Fri Aug 21, 2015	06:32:18	CCarrasco	08/21/2015	Checked site status online
Sat Aug 22, 2015	03:13:09			Automatic time sync
Mon Aug 24, 2015	06:22:18	CCarrasco	08/24/2015	Checked site status online
Tue Aug 25, 2015	03:13:09			Automatic time sync
Tue Aug 25, 2015	06:03:50	CCarrasco	08/25/2015	Checked site status online
Wed Aug 26, 2015	06:26:56	CCarrasco	08/26/2015	Checked site status online
Wed Aug 26, 2015	16:09:15			8-26-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok. Q-coded O3 unit and started. 400= 400.2 PPB; 90= 89.9 PPB; 0.00= -0.0 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Thu Aug 27, 2015	06:16:06	CCarrasco	08/27/2015	Checked site status online
Fri Aug 28, 2015	06:02:58	CCarrasco	08/28/2015	Checked site status online
Sat Aug 29, 2015	03:13:09			Automatic time sync
Mon Aug 31, 2015	06:43:28	CCarrasco	08/31/2015	Checked site status online
Tue Sep 01, 2015	03:13:09			Automatic time sync
Wed Sep 02, 2015	05:41:06	CCarrasco	09/02/2015	Checked site status online
Thu Sep 03, 2015	05:41:53	CCarrasco	09/03/2015	Checked site status online
Fri Sep 04, 2015	06:25:18	CCarrasco	09/04/2015	Checked site status online
Sat Sep 05, 2015	03:13:09			Automatic time sync
Tue Sep 08, 2015	03:13:09			Automatic time sync
Tue Sep 08, 2015	06:15:18	CCarrasco	09/08/2015	Checked site status online
Wed Sep 09, 2015	06:34:48	CCarrasco	09/09/2015	Checked site status online
Thu Sep 10, 2015	05:29:59	CCarrasco	09/10/2015	Checked site status online
Fri Sep 11, 2015	06:09:04	CCarrasco	09/11/2015	Checked site status online
Sat Sep 12, 2015	03:13:09			Automatic time sync

Mon Sep 14, 2015	06:01:55	CCarrasco	09/14/2015	Checked site status online
Tue Sep 15, 2015	03:13:09			Automatic time sync
Tue Sep 15, 2015	06:20:19	CCarrasco	09/15/2015	Checked site status online
Tue Sep 15, 2015	10:36:08			09-15-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Tue Sep 15, 2015	10:36:45			09-15-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Wed Sep 16, 2015	11:54:51	koneal	09/16/2015	Checked site status online
Thu Sep 17, 2015	08:36:01	CCarrasco	09/17/2015	Checked site status online
Fri Sep 18, 2015	06:09:54	CCarrasco	09/18/2015	Checked site status online
Sat Sep 19, 2015	03:13:08			Automatic time sync
Mon Sep 21, 2015	06:02:34	CCarrasco	09/21/2015	Checked site status online
Tue Sep 22, 2015	03:13:08			Automatic time sync
Tue Sep 22, 2015	07:26:21	CCarrasco	09/22/2015	Checked site status online
Wed Sep 23, 2015	06:36:31	CCarrasco	09/23/2015	Checked site status online
Thu Sep 24, 2015	06:20:30	CCarrasco	09/24/2015	Checked site status online
Fri Sep 25, 2015	06:09:13	CCarrasco	09/25/2015	Checked site status online
Sat Sep 26, 2015	03:13:09			Automatic time sync
Tue Sep 29, 2015	03:13:09			Automatic time sync
Tue Sep 29, 2015	06:30:58	CCarrasco	09/29/2015	Checked site status online
Tue Sep 29, 2015	14:18:59			entered station to perform 3pt calibration to ozone unit. Also changed the station particulate filter. Left site safe and secure. BBW
Wed Sep 30, 2015	06:38:38	CCarrasco	09/30/2015	Checked site status online
Thu Oct 01, 2015	05:58:02	CCarrasco	10/01/2015	Checked site status online
Fri Oct 02, 2015	05:50:39	CCarrasco	10/02/2015	Checked site status online
Mon Oct 05, 2015	06:12:13	CCarrasco	10/05/2015	Checked site status online
Tue Oct 06, 2015	03:13:09			Automatic time sync
Tue Oct 06, 2015	05:54:46	CCarrasco	10/06/2015	Checked site status online
Wed Oct 07, 2015	05:59:32	CCarrasco	10/07/2015	Checked site status online
Thu Oct 08, 2015	12:24:55	koneal	10/08/2015	Checked site status online. koneal
Sat Oct 10, 2015	03:13:08			Automatic time sync
Tue Oct 13, 2015	03:13:09			Automatic time sync

Wed Oct 14, 2015	08:11:50	CCarrasco	10/14/2015	Checked site status online
Thu Oct 15, 2015	06:01:35	CCarrasco	10/15/2015	Checked site status online
Fri Oct 16, 2015	07:09:07	CCarrasco	10/16/2015	Checked site status online
Fri Oct 16, 2015	15:11:42			10-16-15 Entered station to perform bi-weekly maintenance. Changed particulate filter and checked flows, temps, frequencies, pressures. All OK. Made log entry left Area safe and secure. BDW
Sat Oct 17, 2015	03:13:09			Automatic time sync
Mon Oct 19, 2015	06:48:28	CCarrasco	10/19/2015	Checked site status online
Tue Oct 20, 2015	03:13:09			Automatic time sync
Tue Oct 20, 2015	06:42:36	CCarrasco	10/20/2015	Checked site status online
Wed Oct 21, 2015	06:30:04	CCarrasco	10/21/2015	Checked site status online
Thu Oct 22, 2015	06:32:21	CCarrasco	10/22/2015	Checked site status online
Fri Oct 23, 2015	06:35:00	CCarrasco	10/23/2015	Checked site status online
Sat Oct 24, 2015	03:13:10			Automatic time sync
Mon Oct 26, 2015	06:28:24	CCarrasco	10/26/2015	Checked site status online
Tue Oct 27, 2015	03:13:08			Automatic time sync
Tue Oct 27, 2015	06:06:12	CCarrasco	10/27/2015	Checked site status online
Tue Oct 27, 2015	14:59:39			10-26-15 AACOG garden-ridge: entered station temp 72°F. Entered station to perform 5pt calibration on ozone unit with transfer std 165C-45919-275 cal due date 1-13-16. 400ppb=402.6; 300ppb=301.1; 200ppb=199.9; 90ppb=89.7; 0ppb=1.9 Placed ozone unit back in k-code. Made log entry and left site safe and secure. Danderson
Tue Oct 27, 2015	15:39:58			Placed unit in k-code remotely, jmccraw
Wed Oct 28, 2015	07:02:10	CCarrasco	10/28/2015	Checked site status online
Thu Oct 29, 2015	06:42:13	CCarrasco	10/29/2015	Checked site status online
Fri Oct 30, 2015	06:11:40	CCarrasco	10/30/2015	Checked site status online
Sat Oct 31, 2015	03:13:09			Automatic time sync
Mon Nov 02, 2015	07:50:02	CCarrasco	11/02/2015	Checked site status online
Tue Nov 03, 2015	04:13:08			Automatic time sync
Tue Nov 03, 2015	07:35:06	CCarrasco	11/03/2015	Checked site status online
Wed Nov 04, 2015	07:32:27	CCarrasco	11/04/2015	Checked site status online
Thu Nov 05, 2015	07:18:41	CCarrasco	11/05/2015	Checked site status online
Fri Nov 06, 2015	07:48:37	CCarrasco	11/06/2015	Checked site status online
Fri Nov 06, 2015	13:48:54			11-6-15: Entered station to shut down Ozone unit for end of season. Checked all parameters, all ok. Made log entry and Left site safe and secure. KONEal

Fri Nov 06, 2015	13:52:02			11-6-15: Continued: One parameter is in alarm: Intensity B is Low showing 44737 Hz. Lower limit is 45000 Hz. Koneal
Mon Nov 09, 2015	07:27:34	CCarrasco	11/09/2015	Could not check site status online
Mon Nov 09, 2015	10:39:41	leadsadmin	11/09/2015	Monitor shutdown date set to 2015-11-06, 13:00 for: Ozone == 44201_1 Internal Station Temperature == 62107_1

Operator Logs for Seguin Outdoor Learning Center C506

Date	Time (CST)	Operator	Visit Date	Log Entry
				01/01/2015 -- 11/30/2015 Seguin Outdoor Learning Center C506 (48_187_0506)
Fri Mar 27, 2015	18:45:25			3-27-15: Entered station to perform system and site start-up for the 2015 O3 season and 5 pt calibrations. Placed O3 to q-code. Conducted 5-pt calibration with Thermo Transfer standard sn: 165C-74465-376 which was calibrated on 1/12/15. Completed with less than 1% error. 400 set = 400.0 ppb, 300 set = 299.9 ppb, 200 set = 199.9 ppb, 90 set = 89.9 ppb. zero set = 0.1 ppb. Changed particulate filter. Checked temps, pressures, flows & intensities. Unit has alarm on Flow B sensor but is running properly. All other parameters are ok. Put O3 unit back to k-code. Made log entry and left site safe and secure. KONEal
Mon Mar 30, 2015	13:02:22	leadsadmin	03/30/2015	Monitor shutdown date cleared for: Ozone == 44201_1 Internal Station Temperature == 62107_1
Mon Mar 30, 2015	13:37:42	leadsadmin	03/30/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 506 (Seguin Outdoor Learning Center C506), Site: 48_187_0506 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 4, 2014 15:00:00 CST End Date: March 27, 2015 18:00:00 CST
Mon Mar 30, 2015	13:38:54	leadsadmin	03/30/2015	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 506 (Seguin Outdoor Learning Center C506), Site: 48_187_0506 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 4, 2014 15:00:00 CST End Date: March 27, 2015 18:00:00 CST
Thu Apr 16, 2015	14:53:40			4-16-15: Entered station to perform bi weekly maintenance. Changed particulate filter and checks instrument operations normal. Made log entry and left site safe and secure. DCA

Thu Apr 30, 2015	10:41:37			Entered station to perform 3 pt cal, 400 = 399.8, 90 = 90.25 0 = 0.6. Checked INST flows, pressures, temps & intensities all OK, except low flow on channel b due to bad sensor. PUT o3 back in K code, changed particulate filter, made log entry and left site safe and secure. DCA/JmcCraw
Thu May 14, 2015	09:08:46			Entered station to perform periodic maintenance items, replaced particulate filter, checked O3 instrument flows, frequencies, temps, pressures, and voltages. made log entries and left site safe and secure. jmcCraw
Thu May 28, 2015	11:23:05			5-28-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 45919-275 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok. Q-coded O3 unit and started. 400= 399.7 PPB; 90= 89.9 PPB; 0.00= 0.2 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal I
Tue Jun 16, 2015	09:49:29			Entered station to perform periodic maintenance items, replaced particulate filter, checked O3 instrument flows, frequencies, temps, pressures, and voltages. made log entries and left site safe and secure. jmcCrawr
Fri Jun 26, 2015	17:21:31			6-26-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 calibrated on 1/12/15. Checked flows, pressures, Intensities and temperatures. All Ok except alarm on bench temp. at 40.9' C. Q-coded O3 unit and started. 400= 399.9 PPB; 90= 90.0 PPB; 0.00= 0.1 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Tue Jul 14, 2015	14:09:17			7-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. Temp was in alarm at 42'C With the limit being 40'C. All other parameters ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Mon Jul 27, 2015	16:26:09			7-27-15: Entered station to perform bi-weekly maintenance and 3-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 (due for calibration on 1/13/15). Checked flows, pressures, Intensities and temperatures. All ok. Q-coded O3 unit and started. 400= 399.7 PPB; 300= 299.9 PPB; 200= 200.2 PPB; 90= 90.5 PPB; 0.00= 0.1 PPB. Changed particulate filter. Placed unit in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Thu Jul 30, 2015	07:00:19	CCarrasco	07/30/2015	Check site status online
Fri Jul 31, 2015	06:46:46	CCarrasco	07/31/2015	Checked site status online
Mon Aug 03, 2015	07:09:55	CCarrasco	08/03/2015	Checked site status online
Tue Aug 04, 2015	07:14:58	CCarrasco	08/04/2015	Checked site status online

Wed Aug 05, 2015	07:01:22	CCarrasco	08/05/2015	Checked site status online
Thu Aug 06, 2015	06:54:21	CCarrasco	08/06/2015	Checked site status online
Fri Aug 07, 2015	07:02:57	CCarrasco	08/07/2015	Checked site status online
Mon Aug 10, 2015	07:19:38	CCarrasco	08/10/2015	Checked site status online
Tue Aug 11, 2015	08:07:46	CCarrasco	08/11/2015	Checked site status online
Wed Aug 12, 2015	06:47:30	CCarrasco	08/12/2015	Check site status online
Fri Aug 14, 2015	15:16:50			8-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. All ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Mon Aug 17, 2015	06:23:24	CCarrasco	08/17/2015	Checked site status online
Tue Aug 18, 2015	06:49:20	CCarrasco	08/18/2015	Checked site status online
Wed Aug 19, 2015	07:16:13	CCarrasco	08/19/2015	Check site status online
Thu Aug 20, 2015	06:02:20	CCarrasco	08/20/2015	Checked site status online
Fri Aug 21, 2015	06:32:36	CCarrasco	08/21/2015	Checked site status online
Mon Aug 24, 2015	06:22:34	CCarrasco	08/24/2015	Checked site status online
Tue Aug 25, 2015	06:04:09	CCarrasco	08/25/2015	Checked site status online
Tue Aug 25, 2015	10:10:46			8-25-15: Entered station to conduct bi-monthly maintenance and 3 pt calibration on O3 unit. Also to replace the Flow B Sensor. Koneal
Tue Aug 25, 2015	13:07:39			8-25-15: Put O3 unit in Q-code. Replaced Flow B Sensor which is no longer showing alarm status. Checked temps, pressures, flows & frequencies, all ok. Started 3 point calibration using O3 Generator sn: 165C-74465-376 which was calibrated on 1-12-15. Completed with less than 1% error. 400 set = 399.8 ppb, 90 set = 89.9 ppb. zero set = 0.1 ppb. Changed particulate filter. Put O3 unit back to k-code. Made log entry and left site safe and secure. KONEal
Wed Aug 26, 2015	06:27:15	CCarrasco	08/26/2015	Checked site status online
Thu Aug 27, 2015	06:16:23	CCarrasco	08/27/2015	Checked site status online
Fri Aug 28, 2015	06:03:17	CCarrasco	08/28/2015	Checked site status online
Mon Aug 31, 2015	06:43:46	CCarrasco	08/31/2015	Checked site status online
Wed Sep 02, 2015	05:41:23	CCarrasco	09/02/2015	Checked site status online
Thu Sep 03, 2015	05:42:12	CCarrasco	09/03/2015	Checked site status online
Fri Sep 04, 2015	06:26:05	CCarrasco	09/04/2015	Could not check site status online
Tue Sep 08, 2015	06:15:38	CCarrasco	09/08/2015	Checked site status online
Wed Sep 09, 2015	06:35:06	CCarrasco	09/09/2015	Checked site status online
Thu Sep 10, 2015	05:30:25	CCarrasco	09/10/2015	Checked site status online
Fri Sep 11, 2015	06:09:22	CCarrasco	09/11/2015	Checked site status online

Mon Sep 14, 2015	06:02:16	CCarrasco	09/14/2015	Checked site status online
Tue Sep 15, 2015	06:20:37	CCarrasco	09/15/2015	Checked site status online
Tue Sep 15, 2015	09:50:49			9-15-15: Entered station to conduct bi-monthly maintenance. Changed particulate filter and checked temps, pressures, flows & intensities. Bench temp in alarm at 40.5'C. Acceptable range is 15'C to 40'C. All other parameters are ok. Made log entry and left site safe and secure. KONEal
Wed Sep 16, 2015	11:53:38	koneal	09/16/2015	Checked site status online
Thu Sep 17, 2015	08:36:41	CCarrasco	09/17/2015	Checked site status online
Fri Sep 18, 2015	06:10:14	CCarrasco	09/18/2015	Checked site status online
Mon Sep 21, 2015	06:02:52	CCarrasco	09/21/2015	Checked site status online
Tue Sep 22, 2015	07:26:47	CCarrasco	09/22/2015	Checked site status online
Tue Sep 22, 2015	07:27:03	CCarrasco	09/22/2015	Checked site status online
Wed Sep 23, 2015	06:36:45	CCarrasco	09/23/2015	Checked site status online
Thu Sep 24, 2015	06:20:46	CCarrasco	09/24/2015	Checked site status online
Fri Sep 25, 2015	06:09:31	CCarrasco	09/25/2015	Checked site status online
Tue Sep 29, 2015	06:31:16	CCarrasco	09/29/2015	Checked site status online
Wed Sep 30, 2015	06:38:59	CCarrasco	09/30/2015	Checked site status online
Wed Sep 30, 2015	12:11:21			9-30-15: Entered station to perform Bi-Monthly maintenance and 3-point calibration. Checked flows, pressures, intensities and temperatures. All ok. Q-coded O3 unit and started. Performed 3-Point Calibration with Thermo Model 165C S/N: 165C-45919-275 (calibration due on 1/13/16). Calibration passed with less than 1% error: 400= 399.8 PPB; 90= 89.7 PPB; 0= 0.0 PPB. Changed O3 particulate filter and placed unit back to k-code. Made log entry and left area safe and secure. koneal
Thu Oct 01, 2015	05:58:19	CCarrasco	10/01/2015	Checked site status online
Fri Oct 02, 2015	05:50:58	CCarrasco	10/02/2015	Checked site status online
Mon Oct 05, 2015	06:12:30	CCarrasco	10/05/2015	Checked site status online
Tue Oct 06, 2015	05:55:02	CCarrasco	10/06/2015	Checked site status online
Wed Oct 07, 2015	05:59:56	CCarrasco	10/07/2015	Checked site status online
Thu Oct 08, 2015	12:24:44	koneal	10/08/2015	Checked site status online. koneal
Wed Oct 14, 2015	08:12:06	CCarrasco	10/14/2015	Checked site status online
Wed Oct 14, 2015	17:55:22			9-14-15: Entered station to conduct bi-weekly maintenance. Checked flows, temps, pressures and intensities. Temp was in alarm at 41.2'C With the limit being 40'C. All other parameters ok. Changed particulate filter, made log entry and left site safe and secure. koneal
Wed Oct 14, 2015	17:57:05			10-14-15: Correction to date from previous entry. It should be 10-14-15. koneal

Thu Oct 15, 2015	06:01:55	CCarrasco	10/15/2015	Checked site status online
Fri Oct 16, 2015	07:09:22	CCarrasco	10/16/2015	Checked site status online
Mon Oct 19, 2015	06:48:43	CCarrasco	10/19/2015	Checked site status online
Tue Oct 20, 2015	06:42:53	CCarrasco	10/20/2015	Checked site status online
Wed Oct 21, 2015	06:30:45	CCarrasco	10/21/2015	Could not check site status online
Thu Oct 22, 2015	06:32:53	CCarrasco	10/22/2015	Checked site status online
Fri Oct 23, 2015	06:35:17	CCarrasco	10/23/2015	Checked site status online
Mon Oct 26, 2015	06:28:45	CCarrasco	10/26/2015	Checked site status online
Mon Oct 26, 2015	15:35:29			10-26-15: Entered station to perform bi-weekly maintenance and 5-point calibration on O3 unit using Thermo Model 165C S/N: 165C 74465-376 (due for calibration on 1/13/16). Checked flows, pressures, intensities and temperatures. All ok except "Bench Temp." was in alarm at 40.9°C when the max, according to instrument is 40°C. Q-coded O3 unit and started. 400= 400.4 PPB; 300= 299.9 PPB; 200= 200.4 PPB; 90= 90.2 PPB; 0.00= 0.0 PPB. Changed particulate filter. Placed unit back in k-code. Calibration passed with less than 1% error. Made log entry and left area Safe And Secure. koneal
Tue Oct 27, 2015	06:06:29	CCarrasco	10/27/2015	Checked site status online
Wed Oct 28, 2015	07:02:27	CCarrasco	10/28/2015	Checked site status online
Thu Oct 29, 2015	06:42:29	CCarrasco	10/29/2015	Checked site status online
Fri Oct 30, 2015	06:11:56	CCarrasco	10/30/2015	Checked site status online
Mon Nov 02, 2015	07:52:20	c	11/02/2015	Checked site status online
Tue Nov 03, 2015	07:34:52	CCarrasco	11/03/2015	Checked site status online
Wed Nov 04, 2015	07:32:15	CCarrasco	11/04/2015	Checked site status online
Thu Nov 05, 2015	07:18:27	CCarrasco	11/05/2015	Checked site status online
Fri Nov 06, 2015	07:48:56	CCarrasco	11/06/2015	Checked site status online
Fri Nov 06, 2015	16:28:02	jmccraw	11/06/2015	Entered station and shut down all equipment and disconnected all connections to the equipment. jmccraw
Mon Nov 09, 2015	07:27:52	CCarrasco	11/09/2015	Could not check site status online
Mon Nov 09, 2015	10:40:01	leadsadmin	11/09/2015	Monitor shutdown date set to 20151106,10:00 for: Ozone == 44201_1 Internal Station Temperature == 62107_1

EQUIPMENT INVENTORY

Monitoring Site Equipment Inventory List

End of Ozone Season 2015

AACOG monitoring contracts contain the following stipulation:

OWNERSHIP OF PROJECT EQUIPMENT

(The ozone and meteorological network maintenance and operations contractor) will maintain an “as built” Monitoring Site Equipment Inventory List for delivery to AACOG that includes serial numbers and specific details to each item owned by AACOG at that site, as necessary to record any changes in equipment at each site.

The following list was confirmed by Dios Dado Environmental Ltd. on November 6, 2015.

Inventory List for CAMS 501 – Elm Creek Elementary School

1. Thermo Environmental Ozone Monitor	P/N-M-49c S/N-49c-75373-379
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034 S/N-2240
3. US Robotics 56K Modem-Sportster	P/N-USR5686E S/N-1MCW23CM9249
4. APC Smart-UPS-BX1000	P/N-BACK-UPS-1000 S/N-QB0432330374
5. R.M. Young Wind Monitor	P/N-05305 VP SN-88656
6. R.M. Young Platinum Temp Probe	P/N-41342 VF
7. R.M. Young Multiplate Radiation Shield	P/N-41002 P
8. R.M. Young Tipping Bucket Rain Gauge	P/N-52203
9. Climatronics Corp. 33'	P/N-C33-GO-H1
10. Climatronics Corp. 33' Grounding Kit	P/N-100924-G1-45
11. Cole-Parmer Inline 47-mm Filter Holder	P/N-U-06621-40
12. Activated Charcoal Scrubber	N/A
13. PS-Surge 6-Outlet Surge Protector	N/A
14. Coastal Environmental Serial Cable	N/A
15. Aluminum Zeno Mount	N/A

Inventory List for CAMS 502 – City of Fair Oaks Ranch

1. Thermo Environmental Ozone Monitor	P/N-M-49c S/N-49c-0415506572
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034 S/N-2790
3. US Robotics 56K Modem-Sportster	P/N-USR5686E S/N-1MCWX29LY612
4. APC Smart-UPS	P/N-BACK-UPS-APC –CS-350 S/N-481118P15539
5. R.M. Young Wind Monitor	P/N-50620 VP
6. R.M. Young Platinum Temp Probe	P/N-41342 VF
7. R.M. Young Multiplate Radiation Shield	P/N-41002 P
8. R.M. Young Tipping Bucket Rain Gauge	P/N-52203
9. Climatronics Corp. 33'	P/N-C33-GO-H1
10. Climatronics Corp. 33' Grounding Kit	P/N-100924-G1-45
11. Cole-Parmer Inline 47-mm Filter Holder	P/N-U-06621-40
12. Activated Charcoal Scrubber	N/A
13. PS-Surge 6-Outlet Surge Protector	N/A
14. Coastal Environmental Serial Cable	N/A
15. Aluminum Zeno Mount	N/A

Inventory List for CAMS 503 – Bulverde Elementary School

1. Thermo Environmental Ozone Monitor	P/N-M-49c S/N-49c-74531-376 AACOG monitor.
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034 S/N-2789
3. Enfora GSM-1208	P/N-GSM-1208 S/N-1208360700305
4. APC Smart-UPS	P/N-BACK-UPS-600 S/N-FB9650305722
5. R.M. Young Wind Monitor-AQ*	P/N-: 05305 VP S/N: 88656* IN SHOP*
6. R.M. Young Platinum Temp Probe*	P/N: 41342 VF* IN SHOP*
7. R.M. Young Multiplate Radiation Shield*	P/N: 41002 P* IN SHOP*
8. R.M. Young Tipping Bucket Rain Gauge*	P/N: 52203* IN SHOP*
9. Climatronics Corp. 33'*	P/N: C33-GO-H1* IN SHOP*
10. Climatronics Corp. 33' Grounding Kit*	P/N: 100924-G1-45* IN SHOP*
11. Cole-Parmer Inline 47-mm Filter Holder	P/N-U-06621-40
12. Activated Charcoal Scrubber	N/A
13. PS-Surge 6-Outlet Surge Protector	N/A
14. Coastal Environmental Serial Cable	N/A
15. Aluminum Zeno Mount	N/A

* Indicates stored in Dios Dado warehouse until further notice.

**Inventory List for CAMS 504 –
National Weather Service Station – New Braunfels**

1. Thermo Environmental Ozone Monitor	P/N-M-49c S/N-49c-75375-379
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034T S/N-2242
3. US Robotics 56K Modem-Sportster 5686G	P/N-64-005686-05 S/N-1MCWZ3CM9193
4. APC Smart-UPS	P/N-2334GVHBC S/N-785702945
5. Cole-Parmer Inline 47-mm Filter Holder	P/N-U-06621-40 S/N-N/A
6. Activated Charcoal Scrubber	N/A
7. PS-Surge 6-Outlet Surge Protector	N/A
8. Modem Serial Cable	N/A
9. Aluminum Zeno Mount	N/A

Inventory List for CAMS 505 – City of Garden Ridge

1. Thermo Environmental Ozone Monitor	P/N-M-49c S/N-49c75374-379
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034T S/N-2241
3. Thermo Environmental NO, NO ₂ , NO _x , Analyzer	P/N-42c NO, NO ₂ , NO _x Analyzer S/N-42c-67914-359
4. Dasibi Zero Air Unit	Model-5011 S/N-607
5. Puma 120V Oilless Air Compressor	Model-LA 5721 Date 0513 S/N-6-36084-65721-4
6. Enfora GSM-1208 (IP:10.200.4.91)	P/N-GSM-1208 S/N-1208180500035
7. APC Smart-UPS	P/N-BACK-UPS-600 S/N-FB-9650305717
8. Cole-Parmer Inline 47-mm Filter Holder-3 <i>each</i>	P/N-U-06621-40 S/N-N/A
9. Glass Water Trap	N/A
10. Activated Charcoal Scrubber	N/A
11. Power Strip	N/A
12. Modem Serial Cable	N/A
13. Aluminum Zeno Mount	N/A

Inventory List for CAMS 506 – Seguin Outdoor Learning Center

1. Thermo Environmental Ozone Monitor	P/N-M-49c 03 S/N-49c-0415506573
2. Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034T S/N-2243
3. US Robotics 56K Modem-Sportster	P/N-64-005686-05 S/N-2ABLX67F0864
4. APC Smart-UPS	P/N-BK400 S/N-PB-9712905043
5. Cole-Parmer Inline 47-mm Filter Holder	P/N-U-06621-40 S/N-N/A
6. Activated Charcoal Scrubber	N/A
7. PS-Surge 6-Outlet Surge Protector	N/A
8. Modem Serial Cable	N/A
9. Aluminum Zeno Mount	N/A

Equipment in need of repair located at CAMS Stations

CAMS 505 – Thermo Environmental Ozone Monitor (P/N: M-49C S/N: 49c-75374-379)
(Parts on Order)

Equipment located at Dios Dado Environmental, Ltd.

9330 Corporate Dr., Ste 301, Selma, Texas 78154

Thermo 49C O3 Monitor	S/N: 75376-379	Works
Thermo Environmental 43C SO2 Analyzer	S/N: 0328002389	Needs Repair
Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034T S/N-2244	Works
Coastal Environmental Zeno-3200 Data Logger	P/N-S-1034T S/N-2239	Works
Dasibi Multi Gas Calibrator 5008	S/N-717	Needs Repair
R.M. Young Wind Monitor-AQ	P/N: 05305 VP S/N: 88656	
R.M. Young Platinum Temp Probe	P/N: 41342 VF	
R.M. Young Multiplate Radiation Shield	P/N: 41002 P	
R.M. Young Tipping Bucket Rain Gauge	P/N: 52203	
Climatronics Corp. 33'	P/N: C33-GO-H1	
Climatronics Corp. 33' Grounding Kit	P/N: 100924-G1-45	
Gas Bottle Regulator	Model-51-15C P/N-45100016 S/N-542529	

Note: Thermo "Scrubber Assembly (49c)": (Thermo part number: 14697)

AACOG Ozone and Meteorological Monitoring Locations

Site Name (CAMS Number)	Location	AACOG equipment at that location	Contact
Elm Creek Elementary School (C501)	11535 Pearsall Road, Atascosa, TX, 78002-5150 Lat: +29.276667°, Long: -98.724444°	Ozone monitor, Zeno data logger, meteorological equipment & tower, UPS	Eduardo Garcia, Maintenance Operations, (210) 622-4370
City of Fair Oaks Ranch (C502)	7286 Dietz Elkhorn Road, TX., 78015-4707 Lat: +29.730000°; Long: -98.625556°	Ozone monitor, Zeno data logger, meteorological equipment & tower, UPS	Roy W. Thomas, City Administrator, (210) 698-0900
Bulverde Elementary School (C503)	1715 E. Ammann Road, Bulverde, Tx. 78163-2034 Lat: +29.760833°; Long: -98.462778°	Ozone monitor, Zeno data logger, meteorological equipment & tower, UPS	Guillermo Nieri, Director of Maintenance Operations, Comal ISD: (830) 221-2075
National Weather Service Station / New Braunfels Airport (C504)	2090 Airport Road, New Braunfels, Tx., 78130 Lat: +29.704167°; Long: -98.028889°	Ozone monitor, Zeno data logger, UPS	Joe Arellano, Jr., Meteorologist in Charge, (830) 629-0130 x222, email: Joe.Arellano@noaa.gov
City of Garden Ridge (C505)	21340 FM 3009, near Garden Ridge, Tx., 78266 (City of Garden Ridge's Water System property) Lat: +29.639167°; Long: -98.298611°	Ozone monitor, Zeno data logger, UPS	Mayor Jay Feibelman, (210) 651-6632; Scott Wood, 651-6831 (Jeanette)
Seguin Outdoor Learning Center (C506)	1865 East Highway 90, Seguin, Tx., 78155 Lat: +29.588611°; Long: -97.932222°	Ozone monitor, Zeno data logger, UPS	Diana Kimble , Executive Director, SOLC, (830) 865-8073