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INVOICE COVER LETTER

Monday, April 09, 2018

ATTN: Andrew Hoekzema
Air Quality Program Manager
Capital Area Council of Governments
6800 Burleson Road, Bldg. 310, Suite 165
Austin, TX 78744

RE: Contract #: Operation of Continuous Air Monitoring Stations 2018 / 2019
Invoice #: CAPCOG 18-008
Invoice Period of Service: 3/1/18 – 3/31/18
Total Invoice Amount: $11,280.79

This invoice is for services provided by Dios Dado Environmental Ltd. for operation and network maintenance of CAPCOG sites, as the terms set forth in the above referenced contract.

See the discussion and list of deliverables as follows:

1. March Data Return reported in attachment 1: Data Return Report for Austin -- Region 11. All O3 sites reporting >95% data return. March Data Return Rh units were all at 100% except C1675, which was 99.0%. Individual RH reports are included for each site. TEOM data return from 601 is >95%.
2. Site activities are reported in attachment 2: CAPCOG activities log and log set.
3. C690 Lake Georgetown site move has been completed.
4. All units have good data that is reporting to LEADS system correctly. The data set for February has been validated, March data is all verified but due to TCEQ restriction the green bars and data notations are not yet in place.
5. A site survey of C690 is being checked into.
6. We are not able to discuss anything with TCEQ at the moment and have reached out to EPA region 6 to determine the input parameters and approval process for data stream to go to Air Now. It is not a rush item for them since they are still responding to relief efforts, but some progress is being made. We apologize that we have had issues with TCEQ and regret that we have not had the foresight to deal with issues that should not be issues. DDE will have more time to dedicate to requests of CAPCOG once TCEQ new requirements are satisfied and access to the VPN system is resored.

Please remit payment to address above, respectfully,

Jim McCraw
Founding Partner
Dios Dado Environmental Ltd.

Attachment 1: CAPCOG Data Return Report – October 2017
Austin - Region 11

00:00 LST March 1, 2018 through 00:00 LST April 1, 2018

CAMS	Location	Pollution Data			Meteorological Data			
		O3 %	PM2.5(Lcl)accpt %	Poll %	WDR %	WSR %	Out Temp %	Met %
601	Fayette County C601	99.7	99.5	99.6	100	100	100	100
614	Dripping Springs School C614	99.9	*	99.9	94.6	94.6	100	96.4
684	CAPCOG McKinney Roughs C684	99.7	*	99.7	99.6	99.6	100	99.7
690	CAPCOG Lake Georgetown C690	99.7	*	99.7	78.6	78.6	78.6	78.6
1603	Gorzycki Middle School C1603	99.7	*	99.7	**72.2**	**72.2**	99.9	81.4
1604	Lockhart C1604	99.7	*	99.7	100	100	100	100
1605	St. Edwards University C1605	100	*	100	100	100	100	100
1675	CAPCOG San Marcos Staples Road C1675	99.7	*	99.7	99.2	99.2	100	99.5
6602	CAPCOG Hutto College Street C6602	99.9	*	99.9	100	100	100	100
	Region 11 Averages	**99.8**	**99.5**	**99.8**	**93.8**	**93.8**	**97.6**	**95.1**

Relative Humidity – Data Return Loss for Austin -- Region 11

00:00 LST March 1, 2018 through 00:00 LST April 1, 2018
Selected date range: 31 days (744 hours)

Report includes an average of data from only these CAMS: 614 684 690 1603 1604 1605 1675 6602

Data Flag	Rel Humid 62201
Null Data Codes	
PMA => BA (Preventive Maintenance)	159
QAS => AZ (QA Check in Progress)	1
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	5792
Summary	
Total Monitors	8
Total Null Data Code Flags	160
Total Ambient Flags †	5792
Total Samples	5952
Invalid Percent	2.7
Valid Percent	97.3
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Relative Humidity – Data Return Loss for Austin -- Region 11

00:00 LST March 1, 2018 through 00:00 LST April 1, 2018
Selected date range: 31 days (744 hours)

INDIVIDUAL SITES:

Report includes data from only these CAMS: 614

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 684

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 690

Data Flag	Rel Humid 62201
Null Data Codes	
PMA => BA (Preventive Maintenance)	159
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 1603

Data Flag	Rel Humid 62201
Null Data Codes	
QAS => AZ (QA Check in Progress)	1
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	743
Summary	
Total Monitors	1
Total Null Data Code Flags	1
Total Ambient Flags †	743
Total Samples	744
Invalid Percent	0.1
Valid Percent	99.9
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 1604

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid

Report includes data from only these CAMS: 1605

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 1675

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Report includes data from only these CAMS: 6602

Data Flag	Rel Humid 62201
Null Data Codes	
Ambient or Ambient With Qualifier Code	
VAL (Ambient Data) †	744
Summary	
Total Monitors	1
Total Null Data Code Flags	0
Total Ambient Flags †	744
Total Samples	744
Invalid Percent	0.0
Valid Percent	100.0
	Rel Humid
† Ambient data includes all data with the following flags or qualifier codes: VAL	

Attachment 2: CAPCOG Site Activities Log and Operators Log set.

March 2018 CAPCOG Activity Logs:

DATE	DESCRIPTON
03/01/2018	C601 – Performed monthly TEOM audit, performed PMIs 41-030, 41-030a and 41-030b
03/02/2018	Picking up equipment at office
	C614 – Comms issue
03/07/2018	C690 – Relocated tower, PMI 4-14
	C6602– PMI 4-14
03/08/2018	C601 – comms issue, cleared up before I arrived onsite PMI 4-14
	C1675 – outside sample line and met gear changed out, PMI 4-14
03/09/2018	C1603 – outside sample line and met gear replaced PMI 4-14
	C1604 – outside sample line and met gear replaced PMI 4-14
03/13/2018	C601 – PMI 4-14
03/15/2018	C684 – PMI 4-14
	C614 – PMI 4-14, adjusted heater temp
	C1604 – PMI 4-14, adjusted heater temp
03/20/2018	C690 – PMI 4-14, adjusted heater temp
	C6602– PMI 4-14, adjusted heater temp
03/21/2018	C1604 – adjusted heater temp
	C614 – adjusted heater temp
03/23/2018	Picked up equipment for C601
03/26/2018	C601 – Attempted 5 pt cal, locked out of Zeno by TCEQ
	C684 – monthly 5 pt cal, PMI 4-14
03/27/2018	C614 – monthly 5 pt cal, PMI 4-14
	C1603 – monthly 5 pt cal, PMI 4-14
03/28/2018	C601 – monthly 5 pt cal, PMI 4-14
	C1604 – monthly 5 pt cal, PMI 4-14
03/29/2018	C690 – monthly 5 pt cal, PMI 4-14
	C6602 – monthly 5 pt cal, PMI 4-14
03/30/2018	C1675 – monthly 5 pt cal, PMI 4-14

March 2018 CAPCOG Operator Logs:

Operator Logs for Fayette County C601

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 Fayette County C601 (48_149_0001)
Thu Mar 01, 2018	07:05:22	leadsadmin	03/01/2018	Monitor shutdown date cleared for: Ozone == 44201_2
Thu Mar 01, 2018	07:10:16	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:35:07	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 601 (Fayette County C601), Site: 48_149_0001 Parameter: Ozone, POC 2 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 7, 2017 13:00:00 CST End Date: February 26, 2018 08:00:00 CST
Thu Mar 01, 2018	14:16:43			Onsite to conduct monthly TEOM verification and PMIs. Christiane Alepuz from CAPCOG is onsite as well to observe activity. TEOM values pre audit: OK, 4, 44%, 5.1, 0.041, 253.49721, 50,50,50, 2.99, 13.62, tot mass 489.19. Performed TEOM PMI's 41-030,41-030a and b. TEOM passed verification, final values= OK, 4, 20%, 1.0, 0.063, 253.33174, 50, 50, 50, 2.99, 13.63, tot mass=-0.023(Changed filter). Placed instrument back in K code. Also performed PMI 4-14 on O3 instrument, departed site, all secure. L Thompson
Thu Mar 01, 2018	15:33:44			status ok, mode 4, filter loading 20.00, mass 7.5, noise .043, freq 253.52868, total mass .40, case temp 50.00, air temp 49.99, cap temp 50.00, main flow 3.0, aux flow 13.62 CJS LCRA 3-1-18
Fri Mar 02, 2018	07:39:20	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:28:49			Automatic time sync
Mon Mar 05, 2018	06:48:57	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:28:50			Automatic time sync
Tue Mar 06, 2018	07:48:56	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:29:16	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:00:47	Ccarrasco	03/08/2018	Could not check site status online
Fri Mar 09, 2018	06:35:55	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:28:50			Automatic time sync
Sat Mar 10, 2018	13:53:05			StatusOK, Mode4, FltLoad28, Mass8.8, Noise0.076, Freq253.42680, TotMass174.67, CaseT50.0, AirT50.0, CapT50.0, MainFlow3.00, AuxFlow13.62 3-10-18 BF
Mon Mar 12, 2018	05:23:28	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:28:50			Automatic time sync
Tue Mar 13, 2018	06:09:10	Ccarrasco	03/13/2018	Checked site status online
Tue Mar 13, 2018	10:42:14			Entered station to perform PMI 4-14 and also to perform PMI 41-180a (TEOM AC cleaning). Departing site, all secure. L Thompson
Wed Mar 14, 2018	06:31:24	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:19:47	Ccarrasco	03/15/2018	Checked site status online

Fri Mar 16, 2018	07:04:11	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:28:49			Automatic time sync
Sat Mar 17, 2018	09:30:00			status ok, mode 4, % filter 26%, mass 11.7, noise .049, freq 253.27154, total mass 440.59, temps 50, main flow 2.99, aux flow 13.62, LCRA ross rother 3/16/18
Mon Mar 19, 2018	06:55:35	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:28:50			Automatic time sync
Tue Mar 20, 2018	06:33:35	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:50:27	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:25:29	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:29:28	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:28:52			Automatic time sync
Mon Mar 26, 2018	06:00:13	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	03:28:50			Automatic time sync
Tue Mar 27, 2018	05:19:27	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:54:34	Ccarrasco	03/28/2018	Checked site status online
Wed Mar 28, 2018	10:10:15			TEOM values for 3-24-18: status ok, mode 4, % filter 37%, mass 9.7, noise .076, freq 253.16329, total mass 626.32, temps 50, 50, 50, main flow 3.00, aux flow 13.63. Weekly done by R Rother of LCRA, log entered by L Thompson DDE.
Wed Mar 28, 2018	10:54:51			Entered station and under direction from Andrew Hoekzema logged in to datalogger and reset password. Will enter last week's TEOM weekly values from LCRA operator R. Rother's written log book into the electronic log. Will conduct 5 pt calibration on O3 instrument with transfer standard S/N 165-45140-273, cal date 02/16/18. 400 set = 808.55 mv = 404.275 ppb 300 set = 610.1 mv = 305.05 ppb 200 set = 402.6 mv = 201.3 ppb 70 set = 142.3mv = 71.15 ppb 0 set = 3.7 mv = 1.85 ppb Instrument passed cal, no adjustments made. Also performed PMI 4-14.Placed instrument back in K code. Departing site, all secure. L Thompson
Thu Mar 29, 2018	06:18:57	Ccarrasco	03/29/2018	Checked site status online
Sat Mar 31, 2018	03:28:49			Automatic time sync
Sat Mar 31, 2018	09:28:56			status ok, mode 4, %filter 41, mass 8.8, noise .049, freq 253.05143, Total mass 818.59, temps 50, main flow 3, aux flow 13.63, Ross Rother LCRA 3/31/18

Operator Logs for Dripping Springs School C614

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 Dripping Springs School C614 (48_209_0614)
Thu Mar 01, 2018	07:11:07	Ccarrasco	03/01/2018	Could not check site status online
Fri Mar 02, 2018	07:40:19	Ccarrasco	03/02/2018	Could not check site status online
Fri Mar 02, 2018	14:37:52			Entered station to check comms issue. Replaced UPS and changed modem as well, replaced it with 2 different modems, still not able to dial in to site. Office is contacting someone about checking and repairing telephone lines. Departing site, all secure. L Thompson
Mon Mar 05, 2018	06:49:50	Ccarrasco	03/05/2018	Could not check site status online
Mon Mar 05, 2018	10:27:23	leadsadmin	03/05/2018	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 Dew Point Temperature == 62103_1 Internal Station Temperature == 62107_1 Relative Humidity == 62201_1
Mon Mar 05, 2018	10:45:04	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:45:35	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST

Mon Mar 05, 2018	10:47:00	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:47:42	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:48:12	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:48:42	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:49:14	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST

Mon Mar 05, 2018	10:49:53	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Mon Mar 05, 2018	10:50:26	leadsadmin	03/05/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 614 (Dripping Springs School C614), Site: 48_209_0614 Parameter: Relative Humidity, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 14:00:00 CST End Date: February 22, 2018 11:00:00 CST
Tue Mar 06, 2018	04:28:44			Automatic time sync
Tue Mar 06, 2018	07:49:39	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:29:52	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:01:26	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:36:29	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:28:44			Automatic time sync
Mon Mar 12, 2018	05:24:03	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	06:09:54	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:32:00	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:20:27	Ccarrasco	03/15/2018	Checked site status online
Thu Mar 15, 2018	11:14:02			Entered station to perform PMI 04-14. Departed site, all secure. L Thompson Also adjusted heater temperature up. Departing site, all secure. L Thompson
Fri Mar 16, 2018	07:04:58	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:28:41			Automatic time sync
Mon Mar 19, 2018	06:55:59	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:28:43			Automatic time sync
Tue Mar 20, 2018	06:34:22	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:50:58	Ccarrasco	03/21/2018	Checked site status online
Wed Mar 21, 2018	10:34:43			Entered station to adjust heater temperature and cut weeds. Departed site, all secure. L Thompson
Thu Mar 22, 2018	06:25:45	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:29:53	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:28:44			Automatic time sync
Mon Mar 26, 2018	06:00:27	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	03:28:41			Automatic time sync

Tue Mar 27, 2018	05:19:42	Ccarrasco	03/27/2018	Checked site status online
Tue Mar 27, 2018	13:07:37			400 set = 801.4mv = 400.7 ppb, 300 set = 600.85mv = 300.425 ppb, 200 set = 401.8mv = 200.9 ppb, 70 set = 140.25mv = 70.125 ppb, zero set = 2.35mv = 1.175 ppb, Also performed PMI 4-14. Placed instrument back in K code. Departing site all secure.L Thompson
Tue Mar 27, 2018	13:08:27			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018, completed successfully, no adjustments made. 400 set = 801.4mv = 400.7 ppb, 300 set = 600.85mv = 300.425 ppb, 200 set = 401.8mv = 200.9 ppb, 70 set = 140.25mv = 70.125 ppb, zero set = 2.35mv = 1.175 ppb, Also performed PMI 4-14. Placed instrument back in K code. Departing site all secure.L Thompson
Wed Mar 28, 2018	05:54:52	Ccarrasco	03/28/2018	Checked site status online
Thu Mar 29, 2018	06:19:11	Ccarrasco	03/29/2018	Checked site status online
Sat Mar 31, 2018	03:28:40			Automatic time sync

Operator Logs for CAPCOG McKinney Roughs C684

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 CAPCOG McKinney Roughs C684 (48_021_0684)
Thu Mar 01, 2018	07:11:31	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:23:40	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:28:17	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:29:04	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:29:42	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST

Thu Mar 01, 2018	07:30:15	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:30:53	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:31:47	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:32:40	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Dew Point Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Thu Mar 01, 2018	07:33:15	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST

Thu Mar 01, 2018	07:33:53	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 684 (CAPCOG McKinney Roughs C684), Site: 48_021_0684 Parameter: Relative Humidity, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 26, 2018 12:00:00 CST
Fri Mar 02, 2018	07:40:37	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:43:44			Automatic time sync
Mon Mar 05, 2018	06:50:10	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	07:49:58	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:30:14	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:01:45	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:36:46	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:43:39			Automatic time sync
Mon Mar 12, 2018	05:24:19	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:43:39			Automatic time sync
Tue Mar 13, 2018	06:10:13	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:32:19	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:20:46	Ccarrasco	03/15/2018	Checked site status online
Thu Mar 15, 2018	10:03:53			Entered station to perform PMI 04-14. Departed site, all secure. L Thompson
Fri Mar 16, 2018	07:05:16	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:43:41			Automatic time sync
Mon Mar 19, 2018	06:56:39	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:43:41			Automatic time sync
Tue Mar 20, 2018	06:34:44	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:51:38	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:26:04	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:30:09	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:43:40			Automatic time sync
Mon Mar 26, 2018	06:00:43	Ccarrasco	03/26/2018	Checked site status online
Mon Mar 26, 2018	12:48:12			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018. 400 set = 802.85mv = 401.425 ppb, 300 set = 600.25mv = 300.125 ppb, 200 set = 403.0mv = 201.5 ppb, 70 set = 140.3mv = 70.15 ppb, zero set = 1.45 mv = 0.725 ppb, Instrument passed cal, no adjustments. Also performed PMI 4-14. Placed unit back in k-code and departed station all secure.L Thompson
Tue Mar 27, 2018	03:43:40			Automatic time sync
Tue Mar 27, 2018	05:19:56	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:55:13	Ccarrasco	03/28/2018	Checked site status online

Thu Mar 29, 2018	06:19:25	Ccarrasco	03/29/2018	Checked site status online
Sat Mar 31, 2018	03:43:47			Automatic time sync

Operator Logs for CAPCOG Lake Georgetown C690

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 CAPCOG Lake Georgetown C690 (48_491_0690)
Thu Mar 01, 2018	07:11:50	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:38:39	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 690 (CAPCOG Lake Georgetown C690), Site: 48_491_0690 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 13, 2017 09:00:00 CST End Date: February 23, 2018 11:00:00 CST
Fri Mar 02, 2018	07:40:55	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:13:10			Automatic time sync
Mon Mar 05, 2018	06:50:31	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:10			Automatic time sync
Tue Mar 06, 2018	07:50:22	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:30:31	Ccarrasco	03/07/2018	Checked site status online
Wed Mar 07, 2018	15:14:59			Onsite to relocate tower and perform PMI 4-14. Tower has been relocated and met gear checked, all instruments placed in K code. Departing site, all secure. L Thompson bw/jrm/ma/cc
Thu Mar 08, 2018	07:02:24	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:37:02	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:13:10			Automatic time sync
Mon Mar 12, 2018	05:24:42	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:13:09			Automatic time sync
Tue Mar 13, 2018	06:10:31	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:32:37	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:21:05	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:05:34	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:13:08			Automatic time sync
Mon Mar 19, 2018	06:56:57	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:13:09			Automatic time sync
Tue Mar 20, 2018	06:35:01	Ccarrasco	03/20/2018	Checked site status online
Tue Mar 20, 2018	10:19:01			Entered station to adjust heater temperature. Also performed PMI 4-14. Departing site, all secure. L Thompson
Wed Mar 21, 2018	06:51:56	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:26:23	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:30:27	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:13:10			Automatic time sync
Mon Mar 26, 2018	06:00:58	Ccarrasco	03/26/2018	Checked site status online

Tue Mar 27, 2018	03:13:13			Automatic time sync
Tue Mar 27, 2018	05:20:12	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:56:00	Ccarrasco	03/28/2018	Checked site status online
Thu Mar 29, 2018	06:19:40	Ccarrasco	03/29/2018	Checked site status online
Thu Mar 29, 2018	11:02:29			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018. 400 set = 800.9mv = 400.45 ppb, 300 set = 602.85mv = 301.425 ppb, 200 set = 402.85mv = 201.425 ppb, 70 set = 140.7mv = 70.35 ppb, zero set = 3.2 mv = 1.6 ppb, Instrument passed cal, no adjustments made. Also performed PMI 04-14. Placed unit back in k-code and departed station all secure. L Thompson
Sat Mar 31, 2018	03:13:08			Automatic time sync

Operator Logs for Gorzycki Middle School C1603

Date	Time (CST)	Operator	Visit Date	Log Entry 03/01/2018 -- 04/01/2018 Gorzycki Middle School C1603 (48_453_1603)
Thu Mar 01, 2018	07:13:04	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:41:02	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:41:30	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:42:08	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:42:40	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST

Thu Mar 01, 2018	07:43:09	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:43:36	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:44:23	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:44:58	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:45:29	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1603 (Gorzycki Middle School C1603), Site: 48_453_1603 Parameter: Relative Humidity, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 9, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Fri Mar 02, 2018	07:42:11	Ccarrasco	03/02/2018	Checked site status online

Sat Mar 03, 2018	04:13:10			Automatic time sync
Mon Mar 05, 2018	06:51:54	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:09			Automatic time sync
Tue Mar 06, 2018	07:51:35	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:31:38	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:03:39	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:38:25	Ccarrasco	03/09/2018	Checked site status online
Fri Mar 09, 2018	15:03:06			Entered station to replace ambient sample line (PMI 4-360), perform PMI 4-14, and replaced met gear which had gone into LIM, wind speed bearings had locked up. All equipment ready and in K code. Departing saite, all secure. L Thompson/bw/jrm/ma u
Sat Mar 10, 2018	04:13:10			Automatic time sync
Mon Mar 12, 2018	05:25:46	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:13:09			Automatic time sync
Tue Mar 13, 2018	06:11:43	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:33:52	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:22:31	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:06:57	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:13:08			Automatic time sync
Mon Mar 19, 2018	06:58:30	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:13:09			Automatic time sync
Tue Mar 20, 2018	06:36:19	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:53:40	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:27:32	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:31:30	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:13:09			Automatic time sync
Mon Mar 26, 2018	06:02:05	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	03:13:10			Automatic time sync
Tue Mar 27, 2018	05:21:11	Ccarrasco	03/27/2018	Checked site status online
Tue Mar 27, 2018	11:06:25			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018 and completed successfully, no adjustments made 400 set = 804.0mv = 402.0 ppb, 300 set = 601.6mv = 300.8 ppb, 200 set = 402.2mv = 201.1 ppb, 70 set = 141.6mv = 70.8 ppb, zero set = 2.7 mv = 1.35 ppb, Also performed PMI 4-14. Placed unit back in k-code and departed station all secure.L Thompson
Wed Mar 28, 2018	05:57:01	Ccarrasco	03/28/2018	Checked site status online
Thu Mar 29, 2018	06:20:42	Ccarrasco	03/29/2018	Checked site status online
Sat Mar 31, 2018	03:13:09			Automatic time sync

Operator Logs for Lockhart C1604

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 Lockhart C1604 (48_055_1604)
Thu Mar 01, 2018	07:12:49	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:46:59	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:47:34	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:48:17	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:48:55	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:49:32	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST

Thu Mar 01, 2018	07:50:04	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:50:37	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:51:10	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Dew Point Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:51:45	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Thu Mar 01, 2018	07:52:15	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1604 (Lockhart C1604), Site: 48_055_1604 Parameter: Relative Humidity, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 10, 2017 16:00:00 CST End Date: February 26, 2018 15:00:00 CST
Fri Mar 02, 2018	07:41:52	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:13:09			Automatic time sync
Mon Mar 05, 2018	06:51:40	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:08			Automatic time sync

Tue Mar 06, 2018	07:51:21	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:31:25	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:03:18	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:38:09	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:13:09			Automatic time sync
Mon Mar 12, 2018	05:25:32	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:13:09			Automatic time sync
Tue Mar 13, 2018	06:11:29	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:33:37	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:22:14	Ccarrasco	03/15/2018	Checked site status online
Thu Mar 15, 2018	12:32:51			Entered station to perform PMI 04-14. Departed site, all secure. L Thompson
Thu Mar 15, 2018	12:38:08			Also adjusted heater temperature. L Thompson
Fri Mar 16, 2018	07:06:28	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:13:09			Automatic time sync
Mon Mar 19, 2018	06:58:11	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:13:08			Automatic time sync
Tue Mar 20, 2018	06:36:00	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:53:23	Ccarrasco	03/21/2018	Checked site status online
Wed Mar 21, 2018	12:37:06			Entered station to adjust heater temperature, still getting too cold overnight. Departing site, all secure. L Thompson
Thu Mar 22, 2018	06:27:15	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:31:16	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:13:09			Automatic time sync
Mon Mar 26, 2018	06:01:48	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	03:13:09			Automatic time sync
Tue Mar 27, 2018	05:20:57	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:56:39	Ccarrasco	03/28/2018	Checked site status online
Wed Mar 28, 2018	13:54:52			03-28-18 Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018 and completed successfully. 400 set = 801.0mv = 400.5 ppb, 300 set = 600.35mv = 300.175 ppb, 200 set = 401.2mv = 200.6 ppb, 70 set = 141.75mv = 70.875 ppb, zero set = 0.9 mv = 0.45 ppb, Instrument passed cal, no adjustments made. Also performed PMI 4-14. Placed unit in k-code and departed station, all secure. L Thompson
Thu Mar 29, 2018	06:20:27	Ccarrasco	03/29/2018	Checked site status online
Sat Mar 31, 2018	03:13:10			Automatic time sync

Operator Logs for St. Edwards University C1605

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 St. Edwards University C1605 (48_453_1605)
Thu Mar 01, 2018	07:10:37	Ccarrasco	03/01/2018	Checked site status online
Fri Mar 02, 2018	07:39:47	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:13:40			Automatic time sync
Mon Mar 05, 2018	06:49:19	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:40			Automatic time sync
Tue Mar 06, 2018	07:49:22	Ccarrasco	03/06/2018	Checked site status online
Tue Mar 06, 2018	12:27:14			Replaced o3 filter. No Alarms. Roof check to reinflate bird deterrant. Moved to new location. May need another deterant. Allr[An[Ca[C [Cr[Cd[Ce[Ca[C.[Co[Cd[Co[Ce[Cl[Ca[Co[C [Cy[Ce[C [Co[Ce[Cd[Ce[Cn[C [Dl[[[B[[A[[[Br[Dd[De[Da[D.[Do[Dd[Do[De[Dl[Da[Do[D [Dy[De[D [Do[De[Dd[De[Dn[D [Dl[D[[D[[C[[CB[C else secure. $$$MGS[[D[[D[[
Wed Mar 07, 2018	07:29:36	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:01:09	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:36:12	Ccarrasco	03/09/2018	Checked site status online
Mon Mar 12, 2018	05:23:47	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	06:09:36	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:31:44	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:20:09	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:04:42	Ccarrasco	03/16/2018	Could not check site status online
Tue Mar 20, 2018	03:13:41			Automatic time sync
Tue Mar 20, 2018	06:34:05	Ccarrasco	03/20/2018	Checked site status online
Tue Mar 27, 2018	03:13:41			Automatic time sync
Thu Mar 01, 2018	07:10:37	Ccarrasco	03/01/2018	Checked site status online
Fri Mar 02, 2018	07:39:47	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:13:40			Automatic time sync
Mon Mar 05, 2018	06:49:19	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:40			Automatic time sync
Tue Mar 06, 2018	07:49:22	Ccarrasco	03/06/2018	Checked site status online
Tue Mar 06, 2018	12:27:14			Replaced o3 filter. No Alarms. Roof check to reinflate bird deterrant. Moved to new location. May need another deterant. Allr[An[Ca[C [Cr[Cd[Ce[Ca[C.[Co[Cd[Co[Ce[Cl[Ca[Co[C [Cy[Ce[C [Co[Ce[Cd[Ce[Cn[C [Dl[[[B[[A[[[Br[Dd[De[Da[D.[Do[Dd[Do[De[Dl[Da[Do[D [Dy[De[D [Do[De[Dd[De[Dn[D [Dl[D[[D[[C[[CB[C else secure. $$$MGS[[D[[D[[
Wed Mar 07, 2018	07:29:36	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:01:09	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:36:12	Ccarrasco	03/09/2018	Checked site status online
Mon Mar 12, 2018	05:23:47	Ccarrasco	03/12/2018	Checked site status online

Tue Mar 13, 2018	06:09:36	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:31:44	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:20:09	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:04:42	Ccarrasco	03/16/2018	Could not check site status online
Tue Mar 20, 2018	03:13:41			Automatic time sync
Tue Mar 20, 2018	06:34:05	Ccarrasco	03/20/2018	Checked site status online
Tue Mar 27, 2018	03:13:41			Automatic time sync

Operator Logs for CAPCOG San Marcos Staples Road C1675

Date	Time (CST)	Operator	Visit Date	Log Entry 03/01/2018 -- 04/01/2018 CAPCOG San Marcos Staples Road C1675 (48_209_1675)
Thu Mar 01, 2018	07:12:09	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	07:55:20	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 22, 2018 15:00:00 CST
Thu Mar 01, 2018	07:56:01	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:56:38	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:57:15	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST

Thu Mar 01, 2018	07:58:04	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:58:36	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:59:06	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	07:59:36	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Dew Point Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Thu Mar 01, 2018	08:00:12	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST

Thu Mar 01, 2018	08:00:39	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 1675 (CAPCOG San Marcos Staples Road C1675), Site: 48_209_1675 Parameter: Relative Humidity, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 14, 2017 12:00:00 CST End Date: February 27, 2018 12:00:00 CST
Fri Mar 02, 2018	07:41:15	Ccarrasco	03/02/2018	Checked site status online
Sat Mar 03, 2018	04:43:39			Automatic time sync
Mon Mar 05, 2018	06:50:57	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	07:50:43	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:30:49	Ccarrasco	03/07/2018	Checked site status online
Thu Mar 08, 2018	07:02:42	Ccarrasco	03/08/2018	Checked site status online
Thu Mar 08, 2018	16:32:58			Onsite to perform PMI 4-14 and to complete seasonal startup PMIs, sample line replacement (4-360) and met gear replacement. Departing site, all secure. L Thompson/jrm
Fri Mar 09, 2018	06:37:33	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:43:38			Automatic time sync
Mon Mar 12, 2018	05:24:59	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	06:10:51	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:32:55	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:21:29	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:05:54	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:43:40			Automatic time sync
Mon Mar 19, 2018	06:57:26	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:43:40			Automatic time sync
Tue Mar 20, 2018	06:35:22	Ccarrasco	03/20/2018	Checked site status online
Wed Mar 21, 2018	06:52:24	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:26:41	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:30:43	Ccarrasco	03/23/2018	Checked site status online
Mon Mar 26, 2018	06:01:18	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	05:20:27	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:55:34	Ccarrasco	03/28/2018	Checked site status online
Thu Mar 29, 2018	06:19:56	Ccarrasco	03/29/2018	Checked site status online
Fri Mar 30, 2018	11:31:11			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 2/16/2018. 400 set = 801.9mv = 400.95 ppb, 300 set = 600.7mv = 300.375 ppb, 200 set = 401.5mv = 200.75 ppb, 70 set = 141.5mv = 70.75 ppb, zero set = 0.2 mv = 0.1 ppb, Instrument passed cal, no adjustments made. Also performed PMI 4-14. Placed unit back in k-code and departed station all secure.L Thompson

Operator Logs for CAPCOG Hutto College Street C6602

Date	Time (CST)	Operator	Visit Date	Log Entry
				03/01/2018 -- 04/01/2018 CAPCOG Hutto College Street C6602 (48_491_6602)
Thu Mar 01, 2018	07:12:29	Ccarrasco	03/01/2018	Checked site status online
Thu Mar 01, 2018	08:02:23	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Ozone, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:04:07	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:05:12	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Resultant Wind Speed, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:06:00	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Resultant Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST

Thu Mar 01, 2018	08:07:05	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Maximum Wind Gust, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:09:44	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Standard Deviation of Horizontal Wind Direction, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:10:17	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Outdoor Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:10:51	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Dew Point Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Thu Mar 01, 2018	08:11:28	leadsadmin	03/01/2018	This entry was automatically generated by the Shutdown Range Editor web page. Instrument Shutdown Range modified. CAMS 6602 (CAPCOG Hutto College Street C6602), Site: 48_491_6602 Parameter: Internal Station Temperature, POC 1 Updated by: leadsadmin Action taken: New shutdown range added. New shutdown range: Start Date: November 8, 2017 13:00:00 CST End Date: February 23, 2018 14:00:00 CST
Fri Mar 02, 2018	07:41:34	Ccarrasco	03/02/2018	Checked site status online

Sat Mar 03, 2018	04:13:08			Automatic time sync
Mon Mar 05, 2018	06:51:20	Ccarrasco	03/05/2018	Checked site status online
Tue Mar 06, 2018	04:13:09			Automatic time sync
Tue Mar 06, 2018	07:51:06	Ccarrasco	03/06/2018	Checked site status online
Wed Mar 07, 2018	07:31:11	Ccarrasco	03/07/2018	Checked site status online
Wed Mar 07, 2018	09:42:49			Entered station to perform PMI 04-14. Departed site, all secure. L Thompson
Thu Mar 08, 2018	07:03:03	Ccarrasco	03/08/2018	Checked site status online
Fri Mar 09, 2018	06:37:56	Ccarrasco	03/09/2018	Checked site status online
Sat Mar 10, 2018	04:13:08			Automatic time sync
Mon Mar 12, 2018	05:25:18	Ccarrasco	03/12/2018	Checked site status online
Tue Mar 13, 2018	03:13:09			Automatic time sync
Tue Mar 13, 2018	06:11:12	Ccarrasco	03/13/2018	Checked site status online
Wed Mar 14, 2018	06:33:18	Ccarrasco	03/14/2018	Checked site status online
Thu Mar 15, 2018	06:21:56	Ccarrasco	03/15/2018	Checked site status online
Fri Mar 16, 2018	07:06:13	Ccarrasco	03/16/2018	Checked site status online
Sat Mar 17, 2018	03:13:08			Automatic time sync
Mon Mar 19, 2018	06:57:46	Ccarrasco	03/19/2018	Checked site status online
Tue Mar 20, 2018	03:13:08			Automatic time sync
Tue Mar 20, 2018	06:35:45	Ccarrasco	03/20/2018	Checked site status online
Tue Mar 20, 2018	11:15:33			Entered station to adjust heater temperature. Also performed PMI 4-14. Departing site, all secure. L Thompson
Wed Mar 21, 2018	06:52:49	Ccarrasco	03/21/2018	Checked site status online
Thu Mar 22, 2018	06:26:59	Ccarrasco	03/22/2018	Checked site status online
Fri Mar 23, 2018	06:31:00	Ccarrasco	03/23/2018	Checked site status online
Sat Mar 24, 2018	03:13:08			Automatic time sync
Mon Mar 26, 2018	06:01:35	Ccarrasco	03/26/2018	Checked site status online
Tue Mar 27, 2018	03:13:08			Automatic time sync
Tue Mar 27, 2018	05:20:42	Ccarrasco	03/27/2018	Checked site status online
Wed Mar 28, 2018	05:56:22	Ccarrasco	03/28/2018	Checked site status online
Thu Mar 29, 2018	06:20:12	Ccarrasco	03/29/2018	Checked site status online
Thu Mar 29, 2018	13:06:50			Entered station to conduct 5-pt calibration with Transfer standard sn 165-45140-273 cal date 02/16/2018. 400 set = 801.8mv = 400.9 ppb, 300 set = 602.4mv = 301.2 ppb, 200 set = 401.2mv = 200.6 ppb, 70 set = 142.8mv = 71.4 ppb, zero set = 2.45 mv = 1.225 ppb, Instrument passed cal, no adjustments made. Also performed PMI 4-14. Placed unit back in k-code and departed site, all secure.L Thompson
Sat Mar 31, 2018	03:13:09			Automatic time sync

Attachment 3: CAPCOG 5 pt calibration results*.

CAPCOG March 2018 – 5 point calibration results																
5pt. Monthly Calibrations **Site**	**Calibration Date**	**0 ppb check**	**% out**	**DQO met**	**70 ppb check**	**% out**	**DQO met**	**200 ppb check**	**% out**	**DQO met**	**300 ppb check**	**% out**	**DQO met**	**400 ppb check**	**% out**	**DQO met**
C601	3/28/2018	1.9	0.4	yes	71.2	1.7	yes	201.3	0.6	yes	305.1	1.7	yes	404.3	1.1	yes
C614	3/27/2018	1.2	0.2	yes	70.1	0.1	yes	200.9	0.4	yes	300.4	0.1	yes	400.7	0.2	yes
C684	3/26/2018	0.7	0.1	yes	70.2	0.3	yes	201.5	0.7	yes	300.1	0.0	yes	401.4	0.3	yes
C690	3/29/2018	1.6	0.3	yes	70.4	0.6	yes	201.4	0.7	yes	301.4	0.5	yes	400.5	0.1	yes
C1603	3/27/2018	1.4	0.3	yes	70.8	1.1	yes	201.1	0.5	yes	300.8	0.3	yes	402.0	0.5	yes
C1604	3/28/2018	0.5	0.1	yes	70.9	1.3	yes	200.6	0.3	yes	300.2	0.1	yes	400.5	0.1	yes
C1605*	3/30/2018	0.1	0.0	yes	70.8	1.1	yes	200.8	0.4	yes	300.4	0.1	yes	401.5	0.4	yes
C1675	3/29/2018	1.2	0.2	yes	71.4	2.0	yes	200.6	0.3	yes	301.2	0.4	yes	400.9	0.2	yes
C6602	3/28/2018	1.9	0.4	yes	71.2	1.7	yes	201.3	0.6	yes	305.1	1.7	yes	404.3	1.1	yes

This table shows the percentage of error of the machine from the known source.
<3% outstanding; <5% excellent; <7% good; >7% DQO not met.

In many cases we are able to maintain < 1% error for the most accurate data possible. None of the data was more than 5% out, and that is due to normal machine linearity imperfections.