Via U.S. Mail and e-mail: mocka.corey@epa.gov

April 27, 2020

U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Air Quality Planning Division, C539-01
109 T.W. Alexander Drive
Research Triangle Park, NC 27709
Attention: Corey Mocka

U.S. Environmental Protection Agency
EPA Docket Center
EPA-HQ-OAR-2014-0464; FRL-9998-54-OAR
Mail Code 28221T
1200 Pennsylvania Avenue, NW
Washington D.C. 20460

U.S. Environmental Protection Agency
EPA Docket Center
WJC West Building, Room 3334
1301 Constitution Avenue, NW
Washington, DC 20004

Re: Sierra Club's Supplemental Comments Regarding Error Correction of the Area Designations for the 2010 1-Hour Sulfur Dioxide (SO_2) Primary National Ambient Air Quality Standard (NAAQS) in Freestone and Anderson Counties, Rusk and Panola Counties, and Titus County in Texas, 84 Fed. Reg. 43,757 (Aug. 22, 2019), EPA Docket No. EPA-HQ-OAR-2014-0464; FRL-9998-54-OAR

On behalf of its more than 784,000 members nationwide, including approximately 27,365 members in Texas, many of whom are adversely affected by harmful pollution from large coal-burning power plants, Sierra Club respectfully submits the following supplemental comments regarding the Environmental Protection Agency's ("EPA") proposed Error Correction of the Area Designations for the 2010 1-Hour Sulfur Dioxide (SO_2) Primary National Ambient Air Quality Standard (NAAQS) in Freestone and Anderson Counties, Rusk and Panola Counties, and Titus County in Texas, 84 Fed. Reg. 43,757 (Aug. 22, 2019), EPA Docket No. EPA-HQ-OAR-2014-0464; FRL-9998-54-OAR.

Sierra Club's initial comments, submitted on September 23, 2019,[1] demonstrated that EPA did not err in designating the areas surrounding Big Brown, Monticello, and Martin Lake as nonattainment and could not lawfully redesignate those areas as unclassifiable. The September 2019 Comments also attached new modeling and monitoring data demonstrating the continuation of NAAQS violations in the area surrounding Martin Lake. Sierra Club now supplements those comments to provide additional monitoring data demonstrating continued nonattainment for the 2017-2020 time period.

The 2010 SO_2 NAAQS requires that the three-year average of the 99th percentile 1-hour daily maximum SO_2 concentration—*i.e.*, the average of the fourth highest maximum one-hour reading for three years—must not exceed 75 ppb. 40 C.F.R. § 50.17(b). Although (1) evidence indicates TCEQ's Martin Lake monitor is not sited in a location corresponding to the highest likely SO_2 concentrations and (2) only 20 months of monitoring data were then available, Sierra Club's September 2019 Comments nonetheless conclusively demonstrated a minimum 2017-2019 design value of 82.03 ppb, well above the NAAQS.[2] To calculate the design value, Sierra Club averaged the fourth-highest 1-hour daily maximum values from available data for 2017, 2018, and 2019. The fourth-highest value for 2018 was 109.1 ppb. Although complete data for 2019 was not yet available, the fourth-highest value for that year was already 114.8 ppb at the time Sierra Club submitted its September 2019 Comments. And although the monitor operated for just 32 days of 2017, the fourth-highest reading for that period was 22.2 ppb. The mean average of 109.1 ppb, 114.8 ppb, and 22.2 ppb is 82.03 ppb.[3] Significantly, the 82.03 ppb design value for 2017-2019 is extremely conservative. Because the Martin Lake monitor was not operable until November 2017, the design value essentially assumes zero emissions for the first ten months of 2017.

Monitoring data is now available through April 27, 2020, and already yields a fourth-highest 1-hour daily maximum value of **55.7 ppb** for the first quarter of 2020.[4] Paired with the fourth-highest 2018 and 2019 values of **109.1 ppb** and **114.8 ppb**,[5] respectively, the newly-available data thus yields a minimum 2018-2020 design value of **93.2 ppb**—again, well above the NAAQS of 75 ppb.[6] This design value is likewise extremely conservative in that it assumes no emissions for the remainder of the coming year. The fourth-highest 1-hour daily maximum value for 2020 may well exceed 55.7 ppb once all twelve months of monitoring data is available. Indeed, in just the first four months of 2020, the monitor has already (significantly) exceeded the 75 ppb health-based safeguard on three separate occasions—hitting 106.1 ppb on February 3; 86.8 ppb on February 9; and 83.9 ppb on March 1. Given that Martin Lake typically operates at a higher capacity factor in the summer months, monitored SO_2 levels could easily exceed 75 ppb yet again this year. Moreover, the 55.7 ppb value likely underestimates even year-to-date concentrations because, as noted above, the Martin Lake monitor is not sited so as to capture peak hourly SO_2 impacts.

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[1] Sierra Club's September 2019 Comments are available at Docket No. EPA-HQ-OAR-2014-0464-0466, with appended modeling files available at Docket No. EPA-HQ-OAR-2014-0464-0467.

[2] September 2019 Sierra Club Comments at 34-36.

[3] 109.1 ppb + 114.8 ppb + 22.2 ppb = 246.1 ppb. 246.1 ppb ÷ 3 = 82.03 ppb.

[4] *See* Ex. 1 (CAMS 1082 Monthly Monitoring Data from September 2019 through March 2020, Tatum CR 2181d Martin Creek Lake C1082 - EPA Site: 48_401_1082, *available at* https://www.tceq.texas.gov/cgi-bin/compliance/monops/monthly_summary.pl?cams=1082).

[5] Newly-available data from September through December 2019 confirms 114.8 ppb as the fourth-highest daily maximum value for 2019. *See* Ex. 1.

[6] 109.1 ppb + 114.8 ppb + 55.7 ppb = 279.6 ppb. 279.6 ppb ÷ 3 = 93.2 ppb.

The newly-available monitoring data through March 2020 demonstrates conclusively that the area around the Martin Lake power plant "does not meet" the NAAQS, and must therefore remain designated as nonattainment. 42 U.S.C. § 7407(d)(1)(A)(i). We therefore urge EPA to reject its proposal to redesignate the area as unclassifiable and instead move forward with implementing the requirements of the Clean Air Act to bring the Martin Lake area into compliance with public health standards for SO_2 pollution as expeditiously as practicable, as mandated by the Clean Air Act. 42 U.S.C. § 7502.

If you have questions, or need any additional information, please do not hesitate to contact us.

Respectfully Submitted,

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Exhibits:

Ex. 1 – TCEQ, CAMS 1082 Monthly Monitoring Data from September 2019 through March 2020, Tatum CR 2181d Martin Creek Lake C1082 - EPA Site: 48_401_1082, *available at* https://www.tceq.texas.gov/cgi-bin/compliance/monops/monthly_summary.pl?cams=1082.

Cc:
Mr. Guy Donaldson
Chief, Air Planning Section (6PD-L)

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CAMS 1082 Monthly Sulfur Dioxide Summary Report for September 2019

Report Month: September 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 20, 2020 21:42:44 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.4	**0.6**	0.6	0.2	0.4	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.6	0.6	0.1	0.2	0.2	100.0
2	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.4	1.3	4.4	**11.4**	3.1	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	11.4	4.4	0.0	1.0	2.4	100.0
3	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	**0.8**	0.6	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.8	0.6	0.1	0.3	0.2	100.0
4	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.6	0.5	0.4	0.3	0.4	**0.7**	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.1	0.1	0.7	0.6	0.1	0.3	0.2	100.0
5	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.7	4.6	8.8	19.4	**42.0**	24.2	5.8	4.4	6.2	7.3	4.5	2.6	3.1	2.2	2.6	4.3	42.0	24.2	0.1	6.0	9.5	100.0
6	2.3	1.3	1.0	0.6	0.5	0.4	0.3	0.4	0.5	0.5	4.3	14.8	PMA	PMA	18.3	**18.4**	2.6	1.3	1.1	0.9	0.9	0.7	0.6	0.4	18.4	18.3	0.3	3.3	5.6	91.7
7	0.3	0.3	0.4	0.4	0.3	0.5	0.6	0.6	0.6	0.8	0.7	0.7	4.5	11.5	**11.6**	6.7	4.7	1.0	0.5	SPN	SPN	11.3	2.0	0.5	11.6	11.5	0.3	2.8	3.8	91.7
8	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.3	0.4	0.7	2.8	7.0	1.2	9.0	2.6	1.3	10.8	0.9	0.2	0.2	0.2	**41.4**	9.6	1.4	41.4	10.8	0.2	3.9	8.5	100.0
9	0.7	0.3	0.2	0.2	0.2	0.3	0.2	0.4	0.3	0.3	0.4	7.7	4.1	**16.8**	5.2	0.3	1.4	0.2	0.2	0.2	0.0	0.1	0.1	0.1	16.8	7.7	0.0	1.7	3.7	100.0
10	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	9.5	5.2	**11.4**	3.6	2.3	0.4	0.3	0.2	0.1	0.2	0.2	0.5	1.0	5.1	4.3	8.8	11.4	9.5	0.1	2.3	3.3	100.0
11	4.2	25.2	15.1	3.5	2.9	1.6	0.8	5.5	22.0	7.4	**37.2**	32.3	22.6	0.6	0.4	1.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	37.2	32.3	0.2	7.7	11.2	100.0
12	0.3	0.4	0.5	0.3	0.2	0.4	0.3	0.1	3.9	1.1	11.4	24.8	24.8	**37.1**	0.6	0.9	0.3	0.2	0.3	0.3	0.3	0.5	0.4	0.3	37.1	24.8	0.1	4.6	9.7	100.0
13	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.5	0.5	**0.6**	0.6	0.4	0.6	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.3	0.2	0.3	0.6	0.6	0.0	0.3	0.2	100.0
14	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.4	**0.5**	0.3	0.2	0.3	0.2	0.3	0.2	0.1	0.2	SPN	SPN	0.2	0.2	0.2	0.5	0.4	0.1	0.2	0.1	91.7
15	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.4	**1.8**	0.6	0.5	0.8	0.8	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.2	0.2	0.1	1.8	0.8	0.0	0.4	0.4	100.0
16	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.8	1.8	0.4	0.4	0.7	0.6	0.4	0.4	0.3	0.2	0.4	**31.1**	6.3	0.6	0.3	31.1	6.3	0.2	2.0	6.2	100.0
17	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.7	**1.7**	1.3	1.7	1.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.0	0.2	0.2	0.1	1.7	1.7	0.0	0.4	0.5	100.0
18	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	**0.3**	0.3	0.3	0.3	0.3	0.1	0.2	0.1	100.0
19	**0.2**	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.1	100.0
20	0.1	0.2	0.2	0.1	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.5	0.9	**1.6**	0.3	0.2	0.2	0.1	-0.0	0.1	0.1	0.1	1.6	0.9	-0.0	0.3	0.3	100.0
21	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.2	1.7	0.4	3.6	0.4	4.7	1.8	1.1	0.1	0.2	CAL	CAL	0.1	0.1	**9.7**	9.7	4.7	0.1	1.2	2.2	91.7
22	3.6	0.4	0.3	1.2	1.0	1.3	0.3	7.0	12.4	17.1	4.2	4.8	0.3	2.5	0.4	0.5	4.9	0.5	1.0	0.3	0.2	11.5	**21.7**	6.5	21.7	17.1	0.2	4.3	5.7	100.0
23	8.1	1.7	0.6	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.1	2.0	0.9	0.4	**15.6**	1.3	0.2	0.0	0.0	0.0	1.5	11.3	2.4	0.6	15.6	11.3	0.0	2.0	3.9	100.0
24	0.2	0.0	-0.0	0.0	-0.0	0.0	0.1	0.1	0.0	PMA	1.6	4.1	6.2	5.9	10.8	5.5	0.7	0.1	0.1	0.1	4.6	**14.8**	1.6	0.5	14.8	10.8	0.0	2.5	3.9	95.8
25	0.5	0.4	0.4	0.8	0.6	0.1	0.4	2.2	0.4	0.2	1.0	2.2	**23.8**	5.9	PMA	PMA	PMA	LIM	LIM	SPZ	SPZ	LIM	LIM	LIM	23.8	5.9	0.1	2.8	6.0	58.3
26	LIM	LIM	LIM	LIM	LIM	LIM	LIM	LIM	PMA	CAL	CAL	CAL	2.9	4.3	1.9	3.0	0.4	0.3	0.2	1.2	16.6	**34.9**	8.9	23.1	34.9	23.1	0.2	8.1	10.6	50.0
27	12.5	9.4	3.0	0.6	0.4	1.5	5.5	7.8	12.9	**19.9**	15.1	4.8	8.6	4.0	6.7	8.6	0.9	0.5	0.6	0.6	0.8	8.0	19.9	2.9	19.9	19.9	0.4	6.5	5.9	100.0
28	7.3	**16.1**	3.0	1.0	2.1	3.8	3.5	1.6	4.3	1.2	3.8	6.5	2.4	0.6	0.5	0.3	0.4	0.3	0.3	SPN	SPN	0.4	0.4	0.4	16.1	7.3	0.3	2.7	3.5	91.7
29	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.7	6.2	14.5	3.1	**22.4**	1.7	0.4	0.4	0.4	0.4	0.3	0.4	0.2	0.4	2.0	7.4	22.4	14.5	0.2	2.7	5.2	100.0
30	24.6	35.9	13.6	19.1	6.6	12.8	5.3	7.4	5.1	21.4	**41.1**	16.6	10.0	7.9	6.6	10.5	0.9	0.8	0.5	0.8	0.7	0.7	0.6	6.7	41.1	35.9	0.5	10.7	10.8	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
42.0 September 5 12:00	41.4 September 8 21:00	0.0 September 2 00:00	2.6	6.0	95.4

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for October 2019

Report Month: October 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:22:56 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	2.2	9.7	7.1	1.5	0.8	2.8	3.1	4.9	13.9	12.0	17.9	**39.1**	20.4	6.9	5.5	2.5	1.5	0.7	0.4	0.5	0.4	2.4	3.0	14.4	39.1	20.4	0.4	7.2	8.8	100.0
2	2.5	0.9	0.6	0.5	0.4	0.4	0.3	0.4	0.4	0.6	0.8	0.7	**13.5**	4.1	10.7	5.2	4.5	1.3	0.4	0.4	0.3	0.4	0.4	0.4	13.5	10.7	0.3	2.1	3.3	100.0
3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.4	0.6	0.6	0.7	0.6	0.6	0.7	1.1	0.7	0.3	**4.1**	0.8	0.2	0.3	0.2	0.2	4.1	1.1	0.2	0.6	0.8	100.0
4	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	**0.5**	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.2	0.3	0.4	0.3	0.5	0.5	0.2	0.4	0.1	100.0
5	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.6	1.0	1.0	**11.6**	4.7	5.9	5.2	2.6	0.9	0.5	0.5	0.5	SPN	SPN	0.3	0.2	0.3	11.6	5.9	0.2	1.7	2.7	91.7
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	1.5	**10.2**	2.9	6.9	5.8	1.5	1.9	0.6	1.2	1.0	4.3	6.0	1.4	0.5	10.2	6.9	0.2	2.0	2.6	100.0
7	**0.4**	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.2	0.3	0.1	0.0	-0.1	-0.0	0.2	0.2	0.4	0.4	-0.1	0.2	0.1	100.0
8	0.2	0.1	0.1	-0.1	-0.1	0.1	0.1	0.3	0.4	**0.5**	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	-0.1	0.1	0.2	0.2	0.5	0.4	-0.1	0.2	0.1	100.0
9	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	7.3	22.7	**25.1**	0.8	14.5	0.5	0.4	0.5	0.4	0.5	0.3	0.3	0.4	0.4	25.1	22.7	0.1	3.2	7.0	100.0
10	0.5	0.4	0.5	1.9	0.6	0.5	3.3	2.3	10.0	15.4	26.6	**28.3**	18.9	9.9	9.4	7.8	0.7	0.9	0.7	0.6	0.8	0.8	17.3	9.1	28.3	26.6	0.4	7.0	8.4	100.0
11	3.5	**6.9**	1.4	0.5	1.4	0.7	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	6.9	3.5	0.1	0.7	1.5	100.0
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.2**	0.2	0.2	0.2	0.1	0.1	0.1	0.2	-0.0	SPN	SPN	0.1	0.1	0.1	0.2	0.2	-0.0	0.1	0.1	91.7
13	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.5	**5.3**	4.9	1.0	1.4	0.6	0.2	0.0	0.1	0.2	0.2	0.1	0.2	5.3	4.9	0.0	0.7	1.4	100.0
14	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	**0.4**	0.4	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.1	0.2	0.1	100.0
15	0.1	0.1	0.2	**3.2**	2.0	0.6	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.7	1.5	0.6	0.4	0.2	0.3	0.2	0.2	3.2	2.0	0.1	0.5	0.7	100.0
16	0.1	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.2	0.2	**0.3**	0.3	0.2	0.1	0.2	0.2	0.2	0.1	-0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.0	0.1	0.1	100.0
17	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	**0.6**	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	-0.0	0.1	0.2	0.1	0.1	0.1	0.6	0.5	0.0	0.2	0.1	100.0
18	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.4	PMA	0.5	0.5	0.4	0.5	**0.7**	0.5	0.3	0.1	0.0	0.2	0.2	0.2	0.3	0.7	0.5	0.0	0.3	0.2	95.8
19	0.3	0.2	0.2	0.2	0.2	0.2	0.2	1.8	**10.2**	3.7	1.6	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.1	CAL	CAL	0.1	-0.0	0.0	10.2	3.7	-0.0	1.0	2.2	91.7
20	-0.0	-0.1	0.0	0.2	0.1	0.0	0.2	0.1	0.3	0.7	8.0	0.7	0.4	2.0	**10.6**	9.5	7.5	0.4	3.7	0.2	0.2	0.0	AQI	AQI	10.6	9.5	-0.1	2.0	3.4	91.7
21	AQI	AQI	PMA	PMA	PMA	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	NEG	-0.4	**-0.2**	NEG	-0.2	-0.4	-0.4	-0.3	0.1	8.3
22	-0.4	NEG	-0.3	-0.2	-0.3	-0.4	-0.3	-0.0	-0.1	-0.0	-0.1	0.0	**0.3**	-0.0	-0.2	-0.2	-0.2	-0.3	NEG	NEG	-0.2	-0.2	-0.2	-0.2	0.3	-0.0	-0.4	-0.2	0.2	87.5
23	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	0.9	2.1	0.6	**4.6**	1.6	0.1	-0.2	-0.3	-0.0	0.0	0.0	-0.1	-0.3	0.1	0.0	0.1	0.1	4.6	2.1	-0.3	0.3	1.1	100.0
24	0.2	0.1	0.0	0.2	0.2	**0.3**	0.3	0.3	0.1	0.1	0.1	0.1	-0.0	-0.1	0.1	0.3	0.3	0.0	-0.2	-0.1	0.2	0.0	0.0	0.1	0.3	0.3	-0.2	0.1	0.1	100.0
25	0.1	0.2	**3.5**	0.4	0.0	-0.1	-0.1	-0.1	0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	0.0	0.4	0.4	3.5	0.4	-0.1	0.2	0.7	100.0
26	**0.3**	0.0	0.0	-0.1	-0.0	-0.0	-0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	0.0	-0.0	-0.1	0.0	-0.1	SPN	SPN	0.1	0.1	0.1	0.3	0.1	-0.1	-0.0	0.1	91.7
27	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.3	1.0	1.9	1.2	12.9	**13.1**	2.5	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.2	13.1	12.9	0.0	1.5	3.5	100.0
28	0.1	0.5	**8.2**	7.6	1.1	0.5	0.3	0.4	0.4	0.2	0.1	0.1	PMA	0.3	0.3	0.3	0.3	0.2	-0.1	0.2	0.2	0.3	0.3	0.2	8.2	7.6	-0.1	1.0	2.2	95.8
29	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.5	**2.5**	0.5	0.3	0.3	0.2	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.4	2.5	0.5	0.2	0.4	0.5	100.0
30	0.3	0.2	0.4	0.2	0.3	0.2	0.3	**0.5**	0.3	0.3	QAS	QAS	0.2	0.3	0.3	0.3	0.4	0.0	0.1	0.2	0.1	0.2	0.1	0.1	0.5	0.4	0.0	0.2	0.1	91.7
31	0.1	**0.2**	0.1	0.2	0.1	0.1	0.1	0.1	-0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	-0.1	0.0	-0.1	0.0	0.2	0.2	-0.1	0.1	0.1	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
39.1	28.3	-0.4	1.1	3.5	94.8
October 1 11:00	October 10 11:00	October 21 21:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for November 2019

Report Month: November 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:24:01 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.0	0.1	0.1	0.1	0.0	-0.0	-0.0	0.1	0.2	0.2	0.7	24.1	**43.9**	41.5	13.5	0.8	0.2	-0.0	0.0	0.0	0.1	0.1	0.1	0.1	43.9	41.5	0.0	5.2	12.5	100.0
2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.5	0.5	**0.8**	0.7	0.6	0.4	0.3	0.3	0.2	0.0	0.1	SPN	SPN	0.1	0.1	0.1	0.8	0.7	0.0	0.3	0.2	91.7
3	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	0.1	0.2	0.1	0.2	**24.4**	0.5	1.1	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.4	8.0	17.6	24.4	17.6	-0.0	2.3	5.9	100.0
4	**10.8**	4.2	1.5	1.8	0.5	0.6	0.7	0.6	0.6	0.5	2.1	8.1	9.9	0.9	5.0	5.0	6.0	0.4	0.4	0.3	0.5	0.4	0.5	0.4	10.8	9.9	0.3	2.6	3.2	100.0
5	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4	1.9	28.3	**48.8**	14.4	2.6	0.5	0.4	0.4	0.3	0.3	0.1	0.2	0.4	0.4	0.8	48.8	28.3	0.1	4.3	11.1	100.0
6	**0.9**	0.9	0.6	0.3	0.1	0.2	0.2	0.1	0.3	PMA	CAL	CAL	CAL	0.4	0.3	0.3	0.4	0.4	0.3	0.1	0.3	0.1	0.2	0.3	0.9	0.9	0.1	0.3	0.2	83.3
7	5.0	**6.6**	1.0	2.3	0.7	1.0	1.4	0.7	3.4	3.5	0.8	0.3	0.1	0.2	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	6.6	5.0	0.1	1.2	1.7	100.0
8	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	**0.4**	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.0	0.2	0.1	100.0
9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	2.5	5.8	0.5	0.7	0.8	10.7	**11.4**	10.0	3.1	0.2	0.0	SPN	SPN	0.1	0.1	0.1	11.4	10.7	0.0	2.1	3.7	91.7
10	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.8	0.8	0.6	0.6	1.8	14.5	7.5	3.0	1.4	0.8	0.4	0.5	0.7	6.2	**29.2**	12.2	29.2	14.5	0.0	3.4	6.6	100.0
11	10.3	**18.1**	16.8	14.8	15.2	5.5	1.0	0.8	0.8	7.5	4.5	6.6	1.1	0.3	0.3	0.0	0.2	0.2	0.5	0.7	0.4	0.7	0.3	0.0	18.1	16.8	0.0	4.4	5.9	100.0
12	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	-0.1	-0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.1	-0.0	**0.2**	0.1	0.0	0.2	0.1	-0.1	0.0	0.1	100.0
13	0.0	-0.0	-0.0	-0.0	0.2	0.3	0.6	0.5	0.6	0.5	2.5	**4.1**	0.7	0.2	0.3	0.5	1.2	0.1	0.4	0.3	0.2	0.2	0.2	0.2	4.1	2.5	0.0	0.6	0.9	100.0
14	0.0	**0.2**	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	0.1	0.0	0.1	0.2	0.2	-0.1	0.1	0.1	100.0
15	0.1	0.1	0.1	-0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.8	PMA	**1.1**	0.5	0.2	0.1	-0.2	0.0	0.0	-0.1	0.1	0.1	-0.0	1.1	0.8	-0.2	0.2	0.3	95.8
16	0.0	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.5	0.8	**3.1**	1.4	1.0	1.2	1.1	0.6	0.2	0.2	CAL	CAL	0.0	-0.0	0.1	3.1	1.4	0.0	0.5	0.7	91.7
17	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	1.9	4.5	**17.0**	9.1	10.4	2.5	10.5	6.5	1.6	0.2	0.2	0.1	0.3	0.2	0.2	17.0	10.5	0.0	2.8	4.5	100.0
18	0.1	0.2	0.3	0.3	0.1	0.1	0.2	0.1	0.2	0.4	1.4	**5.0**	0.9	0.3	0.2	0.2	0.1	-0.0	-0.2	0.1	-0.0	0.1	0.1	AQI	5.0	1.4	-0.2	0.4	1.0	95.8
19	AQI	AQI	AQI	AQI	AQI	0.0	-0.0	0.2	0.7	0.8	1.0	0.4	0.6	**19.8**	8.6	3.5	2.5	1.8	1.7	0.6	0.2	0.3	0.3	5.6	19.8	8.6	0.0	2.6	4.6	79.2
20	**9.3**	2.6	3.7	3.1	1.1	0.6	1.4	0.2	0.2	0.6	0.8	0.6	0.4	0.5	0.4	1.2	6.1	0.3	0.1	0.1	0.2	0.2	0.3	0.4	9.3	6.1	0.1	1.4	2.2	100.0
21	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	3.0	15.5	16.9	23.7	**25.3**	14.8	12.0	24.6	18.4	0.4	0.3	0.2	0.2	0.7	18.6	17.5	25.3	24.6	0.2	8.2	9.3	100.0
22	1.6	**20.4**	9.1	4.4	1.6	0.5	0.5	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	20.4	9.1	0.1	1.7	4.4	100.0
23	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	**0.2**	0.1	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.1	SPN	SPN	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.1	91.7
24	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.4	0.2	0.3	0.5	0.4	0.3	0.4	0.3	-0.1	-0.0	0.3	0.8	1.0	0.7	**1.4**	1.4	1.0	-0.1	0.3	0.3	100.0
25	2.4	6.6	9.5	5.8	12.9	18.4	14.6	15.6	11.7	7.4	1.5	6.1	1.1	9.1	11.5	**54.2**	31.1	9.0	3.5	0.7	1.2	15.2	41.7	51.5	54.2	51.5	0.7	14.3	14.9	100.0
26	20.6	16.3	6.3	1.5	6.7	9.9	41.5	30.8	2.8	8.9	11.4	4.4	**44.0**	2.5	0.8	0.7	4.5	6.6	12.1	2.4	0.7	0.5	0.5	0.3	44.0	41.5	0.3	9.9	12.3	100.0
27	0.0	0.1	0.1	0.1	0.2	0.4	**0.8**	0.5	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.1	0.0	0.2	0.3	0.3	0.2	0.3	0.2	0.1	0.8	0.5	0.0	0.2	0.2	100.0
28	0.1	0.1	0.3	**0.5**	0.5	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.1	0.2	0.3	0.3	0.5	0.5	0.1	0.3	0.1	100.0
29	0.4	0.4	0.3	0.4	0.6	0.5	0.4	0.6	0.4	0.5	0.6	0.4	0.4	0.3	1.4	3.7	0.2	0.1	0.2	0.2	0.6	2.6	**33.9**	25.2	33.9	25.2	0.1	3.1	8.1	100.0
30	35.1	23.8	31.4	**37.3**	12.2	1.1	0.9	0.7	0.5	0.3	0.4	0.4	0.4	0.6	0.5	0.3	0.4	0.1	0.1	SPN	SPN	0.3	0.3	0.2	37.3	35.1	0.1	6.7	12.3	91.7
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
54.2 November 25 15:00	51.5 November 25 23:00	-0.2 November 15 17:00	2.7	7.1	97.1

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for December 2019

Report Month: December 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:25:28 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	**0.2**	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	100.0
2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	-0.0	0.1	**0.2**	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.1	-0.1	0.1	0.1	0.1	0.2	0.2	-0.1	0.1	0.1	100.0
3	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	3.2	**4.6**	0.6	0.4	0.4	0.3	0.3	0.3	0.1	0.2	0.4	0.3	0.4	0.4	0.4	4.6	3.2	0.0	0.6	1.0	100.0
4	0.5	0.5	0.5	0.4	0.2	0.1	0.1	0.2	0.5	0.6	**1.9**	1.8	1.3	0.4	0.4	0.2	0.2	0.1	0.1	0.2	0.1	0.6	0.4	0.6	1.9	1.8	0.1	0.5	0.5	100.0
5	0.9	2.1	1.1	1.1	0.7	0.8	0.5	0.9	0.6	9.1	1.4	2.0	8.0	5.2	7.4	12.9	1.1	0.9	0.9	1.1	1.8	11.1	**21.7**	20.4	21.7	20.4	0.5	4.7	6.1	100.0
6	**16.4**	7.9	0.9	0.6	0.5	0.3	0.1	0.1	0.4	0.3	0.4	PMA	0.5	0.3	0.3	0.4	0.4	0.2	0.2	0.4	0.3	0.6	0.6	0.5	16.4	7.9	0.1	1.4	3.5	95.8
7	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.7	**0.8**	0.6	0.5	0.5	0.4	0.1	-0.1	SPN	SPN	0.1	0.2	0.1	0.8	0.7	-0.1	0.3	0.2	91.7
8	0.1	0.1	0.1	0.0	0.0	0.1	0.1	4.9	3.2	0.4	1.4	14.6	16.4	4.3	0.7	7.6	0.5	0.5	17.8	19.0	16.7	**27.3**	11.9	1.6	27.3	19.0	0.0	6.2	7.9	100.0
9	0.8	0.5	0.5	0.5	0.2	0.3	0.1	0.3	QAS	QAS	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.3	0.3	0.3	0.5	**1.5**	1.1	1.5	1.1	0.1	0.5	0.3	91.7
10	**0.9**	0.5	0.5	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.1	0.0	0.9	0.5	0.0	0.2	0.2	100.0
11	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.0	0.3	0.5	0.5	**0.6**	0.4	0.5	0.6	0.4	0.4	0.6	0.5	0.1	0.1	0.0	0.1	0.6	0.6	-0.1	0.2	0.2	100.0
12	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.3	0.3	0.7	**4.2**	0.4	1.2	1.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	4.2	1.3	0.0	0.5	0.8	100.0
13	0.2	0.3	0.3	0.2	0.3	0.4	0.6	**7.8**	5.1	2.7	1.1	0.7	0.9	1.2	1.2	1.0	1.0	0.7	0.6	0.5	0.3	0.2	0.1	0.2	7.8	5.1	0.1	1.1	1.7	100.0
14	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	1.6	**7.4**	3.9	0.8	0.5	0.5	1.1	0.3	0.2	CAL	CAL	0.4	0.4	0.2	7.4	3.9	0.1	0.9	1.6	91.7
15	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.3	0.2	0.5	9.4	4.8	1.0	0.4	0.5	4.8	0.8	5.3	2.6	3.5	**28.5**	26.0	16.0	15.2	28.5	26.0	0.2	5.1	8.0	100.0
16	**0.9**	0.7	0.7	0.7	0.6	0.8	0.6	0.4	0.4	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.9	0.8	0.1	0.4	0.3	100.0
17	0.1	0.1	0.1	0.3	0.5	0.3	0.2	0.3	0.2	0.1	0.0	0.1	0.2	0.5	0.5	**0.7**	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.7	0.5	0.0	0.2	0.2	100.0
18	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	**0.4**	0.3	0.3	0.1	0.2	0.2	0.1	0.0	-0.1	0.1	0.0	-0.0	0.1	0.0	0.0	0.4	0.3	-0.1	0.1	0.1	100.0
19	0.1	0.1	0.1	0.1	0.1	0.0	-0.0	0.1	0.1	0.7	4.2	3.9	**14.2**	2.3	0.6	0.5	0.1	0.2	0.3	0.3	0.1	0.2	0.1	0.3	14.2	4.2	0.0	1.2	2.9	100.0
20	0.1	0.2	0.1	0.1	0.1	0.1	0.0	-0.0	PMA	0.0	0.3	0.4	0.4	0.5	0.6	**0.8**	0.7	0.5	0.3	0.3	0.2	0.5	0.4	0.1	0.8	0.7	0.0	0.3	0.2	95.8
21	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.5	0.8	0.4	0.4	0.5	**1.2**	1.0	0.4	0.3	0.5	SPN	SPN	0.2	0.1	0.4	1.2	1.0	0.1	0.4	0.3	91.7
22	0.4	0.4	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.5	0.4	**0.7**	0.4	0.1	0.1	0.2	0.2	0.1	0.3	0.3	0.2	0.7	0.5	0.1	0.3	0.2	100.0
23	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.4	**0.5**	0.5	0.4	0.3	0.2	0.2	-0.1	-0.1	0.1	0.0	0.2	0.2	0.2	0.5	0.5	-0.1	0.2	0.2	100.0
24	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.4	0.4	0.5	0.6	1.1	7.6	**13.8**	6.1	0.8	0.3	0.1	-0.1	0.2	0.0	0.2	0.2	0.2	13.8	7.6	-0.1	1.4	3.2	100.0
25	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.7	2.2	**15.0**	11.4	10.0	4.4	2.1	0.9	0.6	0.4	0.4	0.2	0.4	2.9	2.9	15.0	11.4	0.1	2.4	3.9	100.0
26	1.2	0.8	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	5.4	**14.1**	13.5	2.4	0.9	0.4	0.5	0.4	0.2	0.2	0.1	0.2	0.2	0.2	14.1	13.5	0.1	1.8	3.8	100.0
27	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.4	0.3	0.3	0.3	**0.5**	0.3	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.5	0.4	0.1	0.2	0.1	100.0
28	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.3	2.7	3.8	1.0	**9.3**	0.6	6.1	SPN	SPN	0.5	0.4	0.5	9.3	6.1	0.2	1.3	2.3	91.7
29	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	**0.6**	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.2	0.4	0.3	0.3	0.6	0.5	0.2	0.4	0.1	100.0
30	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	**0.5**	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.2	0.3	0.1	100.0
31	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	**0.5**	0.4	0.4	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.2	0.3	0.1	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
28.5	27.3	-0.1	1.1	3.2	98.4
December 15 20:00	December 8 21:00	December 2 20:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for January 2020

Report Month: January 2020 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:26:41 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.5	0.4	0.4	0.5	0.3	0.4	0.4	0.4	0.9	0.7	5.1	8.7	9.3	14.1	13.2	7.6	0.8	0.7	0.9	5.7	**14.9**	4.7	13.8	3.2	14.9	14.1	0.3	4.5	5.1	100.0
2	6.5	1.7	**8.1**	3.3	1.9	7.7	3.0	0.9	1.7	0.8	1.3	1.0	1.3	1.2	1.4	3.5	1.1	0.7	0.6	0.5	0.5	0.5	0.5	0.6	8.1	7.7	0.5	2.1	2.2	100.0
3	**2.1**	0.7	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	2.1	0.7	0.3	0.5	0.3	100.0
4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	**0.5**	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.2	SPN	SPN	0.2	0.2	0.2	0.5	0.4	0.0	0.3	0.1	91.7
5	-0.0	NEG	0.2	0.2	0.3	0.5	0.5	0.8	0.9	0.6	0.4	0.6	0.7	0.7	0.5	0.4	0.4	0.3	0.2	**1.4**	0.8	0.6	0.5	1.2	1.4	1.2	-0.0	0.6	0.3	95.8
6	0.8	0.7	0.6	0.5	0.4	0.5	0.5	0.3	0.5	0.7	0.9	1.1	**1.2**	1.1	0.8	0.8	0.7	0.5	0.4	0.3	0.5	0.5	0.4	0.4	1.2	1.1	0.3	0.6	0.3	100.0
7	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.3	0.3	0.4	0.4	0.4	0.3	0.4	**1.6**	0.7	0.9	1.1	0.4	0.3	0.2	1.6	1.1	0.2	0.5	0.3	100.0
8	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	16.2	20.4	4.9	2.3	1.5	0.7	0.5	0.4	0.2	0.3	0.6	1.5	6.4	**25.0**	1.1	25.0	20.4	0.2	3.5	6.7	100.0
9	**1.2**	1.1	1.2	1.2	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	1.2	1.2	0.4	0.6	0.3	100.0
10	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	PMA	CAL	CAL	CAL	0.4	0.2	0.1	0.1	0.1	2.3	7.2	0.8	0.2	4.3	**15.1**	15.1	7.2	0.1	1.7	3.5	83.3
11	**3.7**	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0	-0.0	-0.0	0.0	-0.1	-0.1	-0.0	CAL	CAL	-0.1	-0.0	-0.0	3.7	0.3	-0.1	0.2	0.8	91.7
12	-0.0	-0.0	0.0	-0.0	-0.1	-0.0	-0.2	0.0	-0.0	-0.1	-0.0	0.1	**1.7**	0.6	0.3	0.2	0.1	0.1	0.0	0.0	-0.1	-0.0	-0.0	0.0	1.7	0.6	-0.2	0.1	0.4	100.0
13	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.5	**1.0**	0.9	0.7	0.7	0.9	0.7	0.5	0.3	-0.0	0.1	0.1	0.3	1.0	0.9	-0.0	0.3	0.3	100.0
14	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	1.4	**10.3**	7.5	4.5	3.2	2.3	1.6	1.4	0.7	0.3	0.1	0.2	0.2	0.1	10.3	7.5	0.0	1.4	2.5	100.0
15	0.1	0.1	1.1	1.3	0.7	0.5	0.5	0.3	1.4	1.2	0.7	0.3	0.2	0.2	0.3	0.1	0.0	-0.0	**3.2**	1.7	0.4	0.0	0.7	0.3	3.2	1.7	0.0	0.6	0.7	100.0
16	0.1	0.1	0.2	**0.5**	0.1	0.1	0.1	0.0	0.1	-0.0	-0.1	0.0	0.0	-0.0	0.0	0.0	-0.0	0.0	0.0	0.0	-0.2	0.0	0.1	0.0	0.5	0.2	-0.2	0.0	0.1	100.0
17	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.0	-0.1	0.0	-0.0	-0.1	0.2	2.6	**3.7**	3.7	2.6	-0.1	0.3	0.9	100.0
18	**19.1**	7.0	3.3	7.0	3.8	0.3	0.2	0.1	0.1	0.1	0.1	-0.1	0.2	0.2	0.2	0.2	0.1	-0.0	-0.1	SPN	SPN	0.1	0.1	0.1	19.1	7.0	-0.1	1.9	4.3	91.7
19	0.1	0.1	0.1	0.1	0.2	**1.5**	1.1	0.5	0.5	0.3	0.1	0.1	1.5	1.2	0.2	0.2	0.1	0.1	0.0	0.1	-0.1	0.2	0.1	0.2	1.5	1.5	-0.1	0.4	0.5	100.0
20	0.1	0.1	0.2	0.1	0.2	0.1	0.0	0.0	0.3	0.4	0.4	1.8	2.2	1.9	**2.4**	1.8	0.6	0.0	0.1	0.2	-0.0	0.1	0.1	0.1	2.4	2.2	0.0	0.5	0.8	100.0
21	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	**0.6**	0.4	0.3	0.2	0.4	0.3	0.2	0.6	0.4	0.0	0.2	0.2	100.0
22	0.2	**0.3**	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.0	0.2	0.2	0.2	0.3	0.3	-0.0	0.2	0.1	100.0
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	**0.3**	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.2	0.2	0.2	0.3	0.3	0.0	0.2	0.1	100.0
24	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	**0.3**	0.2	0.1	0.1	0.1	0.1	-0.1	0.2	0.2	0.2	0.3	0.2	-0.1	0.2	0.1	100.0
25	0.2	0.2	0.3	0.2	0.4	0.5	0.3	0.2	0.2	0.3	1.5	1.7	**16.3**	11.5	3.3	1.4	0.3	0.2	0.3	SPN	SPN	0.6	1.2	9.0	16.3	11.5	0.2	2.3	4.2	91.7
26	**9.2**	0.6	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	-0.0	3.0	1.5	1.8	1.2	1.3	0.9	0.4	0.1	0.1	0.7	0.9	0.3	9.2	3.0	0.0	1.0	1.9	100.0
27	0.1	0.1	0.1	-0.0	-0.1	0.0	0.1	0.4	0.1	QAS	QAS	0.2	0.2	**0.6**	0.4	0.3	0.1	0.0	-0.2	0.0	0.2	0.0	0.0	0.0	0.6	0.4	-0.2	0.1	0.2	91.7
28	-0.0	-0.0	0.8	0.8	0.1	0.0	0.0	1.1	**5.7**	0.7	0.3	0.2	0.2	0.1	0.0	1.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.1	5.7	1.1	-0.0	0.5	1.1	100.0
29	0.1	0.1	0.0	0.0	-0.0	-0.0	0.0	-0.1	-0.0	0.0	-0.0	-0.0	-0.0	-0.1	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.1	0.1	**0.3**	0.3	0.3	0.3	-0.1	0.0	0.1	100.0
30	**0.2**	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.1	0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.2	0.0	-0.0	0.1	0.2	0.1	-0.2	0.0	0.1	100.0
31	-0.0	-0.0	-0.1	-0.0	-0.0	0.1	0.2	0.3	0.2	**0.5**	0.5	PMA	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	-0.1	-0.2	-0.0	-0.1	0.1	0.5	0.5	-0.2	0.1	0.2	95.8
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
25.0	20.4	-0.2	0.8	2.3	97.8
January 8 22:00	January 8 10:00	January 12 06:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for February 2020

Report Month: February 2020 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:27:29 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.1	-0.0	-0.2	-0.1	-0.1	-0.1	-0.0	-0.0	0.1	-0.0	0.0	0.1	0.1	0.2	0.2	0.1	-0.0	-0.2	SPN	SPN	**0.3**	0.3	0.3	0.3	0.3	-0.2	0.1	0.2	91.7
2	0.4	0.5	0.4	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.5	0.7	0.4	0.4	0.3	0.4	0.5	0.4	1.7	**2.3**	0.6	0.6	0.6	0.5	2.3	1.7	0.3	0.6	0.4	100.0
3	0.5	0.5	0.4	0.5	0.9	3.7	1.8	10.4	27.1	41.1	19.9	4.4	22.7	41.5	52.0	26.6	61.9	20.8	1.2	19.7	12.8	1.8	**106.1**	76.8	106.1	76.8	0.4	23.1	27.2	100.0
4	17.0	9.3	**47.8**	24.5	1.1	1.0	1.7	1.0	20.9	14.9	1.0	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.4	0.4	0.4	0.4	0.4	47.8	24.5	0.2	6.1	11.3	100.0
5	0.5	0.6	**0.7**	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.7	0.6	0.3	0.4	0.1	100.0
6	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.3	0.3	0.5	0.6	0.5	**0.7**	0.7	0.6	0.2	0.4	0.1	100.0
7	0.4	0.4	0.4	0.4	0.6	0.7	0.5	0.4	0.4	0.4	0.5	0.5	1.2	0.9	**1.4**	1.1	1.0	0.6	0.2	0.4	0.7	0.7	0.7	0.6	1.4	1.2	0.2	0.6	0.3	100.0
8	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	**0.6**	0.5	0.4	0.5	0.4	0.5	0.6	0.4	0.4	0.2	CAL	CAL	0.4	0.4	0.4	0.6	0.6	0.2	0.4	0.1	91.7
9	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.5	8.3	14.8	**86.8**	71.0	52.1	48.8	14.7	0.8	0.6	0.4	0.4	0.2	1.0	0.5	16.5	86.8	71.0	0.2	13.4	24.3	100.0
10	**23.0**	4.2	0.8	1.4	0.6	0.5	0.3	0.2	0.3	0.3	0.3	0.5	0.4	0.3	0.4	0.3	0.3	0.5	0.6	0.3	0.1	0.2	0.2	0.3	23.0	4.2	0.1	1.5	4.6	100.0
11	0.1	**0.2**	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.0	0.1	-0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.1	100.0
12	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	2.1	3.2	**5.3**	1.6	0.5	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.2	5.3	3.2	0.1	0.7	1.2	100.0
13	0.2	0.2	0.2	0.2	0.3	0.3	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.2	**0.4**	0.3	0.2	0.2	0.4	0.3	0.0	0.2	0.1	100.0
14	0.1	0.1	0.2	**0.5**	0.4	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	PMA	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.5	0.4	0.0	0.2	0.1	95.8
15	0.3	0.4	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.5	1.2	2.8	9.8	9.1	**13.1**	10.1	1.4	0.6	SPN	SPN	0.9	2.8	2.1	13.1	10.1	0.1	2.6	3.9	91.7
16	**6.8**	6.8	6.0	1.2	0.4	0.3	0.2	0.3	0.3	0.3	0.2	0.5	1.6	0.4	0.2	0.3	0.3	0.3	0.1	0.2	-0.0	0.2	0.2	0.3	6.8	6.8	-0.0	1.1	2.1	100.0
17	0.3	0.8	1.0	0.9	0.7	1.8	0.9	0.5	1.7	4.7	10.0	20.0	12.1	7.0	12.8	14.5	7.2	0.4	0.3	0.1	0.4	10.2	**25.2**	9.8	25.2	20.0	0.1	6.0	6.9	100.0
18	**9.5**	0.7	4.0	0.5	1.3	9.0	2.8	2.0	1.6	6.8	1.0	0.6	0.4	0.3	0.3	0.1	0.2	0.5	0.5	1.1	0.6	0.3	0.2	0.2	9.5	9.0	0.1	1.9	2.7	100.0
19	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	**0.3**	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.1	0.2	0.1	100.0
20	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.3	0.4	0.2	0.2	0.2	0.5	**0.6**	0.4	0.2	0.3	0.1	0.1	0.1	0.3	0.4	0.1	0.0	0.6	0.5	0.0	0.2	0.1	100.0
21	0.0	0.1	0.3	0.2	0.4	0.8	0.6	0.3	0.1	0.1	0.2	**2.1**	0.5	0.1	0.2	1.0	2.1	1.1	0.7	0.5	0.3	0.1	0.1	0.1	2.1	2.1	0.0	0.5	0.6	100.0
22	0.0	0.1	0.1	0.3	0.2	0.3	0.2	0.3	5.7	0.6	0.4	0.4	0.6	1.0	3.2	1.4	0.2	0.2	0.3	SPN	SPN	0.2	1.2	**7.8**	7.8	5.7	0.0	1.1	1.9	91.7
23	11.4	1.2	5.9	7.5	10.1	5.7	1.7	0.7	0.7	0.7	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.1	0.2	0.3	1.9	**34.9**	16.5	34.9	16.5	0.1	4.3	7.7	100.0
24	**31.5**	24.0	28.5	6.7	2.5	0.8	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.4	QAS	QAS	QAS	QAS	0.1	0.2	0.3	0.3	0.2	31.5	28.5	0.1	5.0	9.9	83.3
25	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	**0.7**	0.3	0.3	0.3	0.2	0.1	-0.1	0.1	0.2	0.2	0.2	0.2	0.7	0.3	-0.1	0.2	0.1	100.0
26	**0.2**	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.1	100.0
27	0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	0.1	0.5	**3.1**	0.9	0.3	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.4	3.1	0.9	0.0	0.3	0.6	100.0
28	**0.5**	0.3	0.2	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.5	0.4	0.2	0.2	0.3	0.0	0.1	-0.2	-0.2	0.1	0.1	0.1	0.1	0.5	0.5	-0.2	0.2	0.2	100.0
29	0.1	0.1	0.3	0.1	-0.0	0.1	0.1	0.2	0.4	0.3	0.4	0.7	0.7	2.8	4.1	10.7	4.4	4.4	3.9	SPN	SPN	23.3	**34.5**	10.6	34.5	23.3	-0.0	4.6	8.4	91.7

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
106.1	86.8	-0.2	2.6	9.2	97.8
February 3 22:00	February 9 11:00	February 1 03:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for March 2020

Report Month: March 2020 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** April 15, 2020 09:28:22 CDT
Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time
Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	25.6	20.8	5.8	0.8	0.7	1.0	11.7	2.8	1.4	29.7	80.5	44.3	**83.9**	57.7	67.1	34.1	8.7	2.7	4.6	0.8	1.9	18.2	44.2	42.5	83.9	80.5	0.7	24.6	26.0	100.0
2	**20.6**	9.4	1.8	0.8	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.5	0.5	3.0	5.9	1.5	0.7	20.6	9.4	0.5	2.2	4.3	100.0
3	0.6	0.5	0.5	0.5	0.6	0.8	1.0	0.6	0.6	0.6	0.7	0.6	0.7	0.7	PMA	**1.2**	1.2	0.9	0.8	0.7	0.5	0.6	0.6	0.6	1.2	1.2	0.5	0.7	0.2	95.8
4	0.6	0.6	0.6	**0.7**	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.3	0.4	0.4	0.5	0.7	0.7	0.3	0.5	0.1	100.0
5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.4	**1.2**	1.1	0.8	0.7	0.7	0.7	0.8	0.5	0.5	0.4	-0.1	-0.4	0.2	0.4	0.5	0.5	1.2	1.1	-0.4	0.5	0.3	100.0
6	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.5	**0.6**	0.5	0.4	0.4	0.3	0.2	0.1	0.2	0.4	0.4	0.4	0.6	0.5	0.1	0.4	0.1	100.0
7	0.3	0.3	0.5	0.5	**1.5**	0.5	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.4	CAL	CAL	0.2	0.2	0.1	1.5	0.7	0.1	0.5	0.3	91.7
8	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.5	0.7	1.3	0.9	0.7	**2.5**	0.8	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	2.5	1.3	0.1	0.6	0.6	58.3
9	AQI	AQI	-0.3	-0.1	0.1	15.6	0.9	0.1	-0.2	-0.2	0.4	4.5	33.7	**55.5**	41.6	8.8	4.1	0.8	0.2	0.1	-0.2	0.0	-0.1	-0.1	55.5	41.6	-0.3	7.5	15.2	91.7
10	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.3	0.1	0.6	0.4	**1.8**	1.7	0.2	-0.0	0.0	1.0	-0.1	-0.1	-0.0	0.4	1.8	1.7	-0.1	0.2	0.5	100.0
11	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.3	0.4	0.1	0.1	0.0	0.2	0.1	0.1	0.1	0.1	2.2	-0.0	2.4	**4.3**	1.4	4.3	2.4	0.0	0.5	1.0	100.0
12	0.8	0.5	0.5	0.4	0.3	0.2	0.1	0.2	0.1	0.2	0.3	0.4	0.4	1.7	3.8	2.9	3.6	0.4	0.2	0.3	12.2	3.9	**18.6**	6.8	18.6	12.2	0.1	2.4	4.3	100.0
13	0.6	0.6	0.3	0.5	**1.4**	1.0	0.4	0.3	0.2	0.1	0.3	0.4	0.4	0.2	0.1	0.2	0.1	0.0	-0.0	-0.0	0.0	0.1	0.1	0.1	1.4	1.0	0.0	0.3	0.3	100.0
14	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	15.4	**16.2**	11.9	15.5	2.2	0.3	0.3	0.1	SPN	SPN	14.6	7.6	0.1	16.2	15.5	0.1	3.9	6.1	91.7
15	0.0	-0.0	-0.1	-0.1	-0.0	**0.3**	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.3	-0.1	-0.1	-0.1	0.3	0.1	-0.3	-0.1	0.1	100.0
16	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	2.3	5.4	**8.2**	3.0	0.3	0.1	0.0	-0.1	-0.2	-0.0	-0.1	8.2	5.4	-0.2	0.7	2.0	100.0
17	-0.0	-0.0	0.0	-0.1	0.0	0.0	-0.0	0.0	QAS	QAS	PMA	0.7	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.2	0.1	**1.4**	0.1	-0.0	1.4	0.7	-0.1	0.2	0.3	87.5
18	-0.1	0.5	10.9	**17.5**	14.8	6.3	2.9	2.3	0.4	1.1	4.0	6.2	11.2	9.6	6.4	1.7	0.3	0.1	0.1	0.1	-0.1	0.2	0.5	3.1	17.5	14.8	-0.1	4.2	5.0	100.0
19	5.9	4.7	2.5	17.8	26.1	12.0	1.4	19.0	1.9	7.3	14.4	9.8	12.4	14.5	**39.6**	25.3	14.4	7.4	10.2	7.4	9.6	3.0	18.1	0.9	39.6	26.1	0.9	11.9	9.0	100.0
20	1.0	2.2	4.9	3.0	**5.5**	0.2	-0.0	-0.0	0.0	-0.1	-0.1	-0.0	-0.0	-0.1	0.0	-0.0	-0.1	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.1	-0.0	5.5	4.9	-0.1	0.7	1.6	100.0
21	**0.0**	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.1	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	SPN	SPN	0.0	0.0	0.0	0.0	-0.0	-0.1	-0.1	0.1	91.7
22	0.1	0.0	-0.1	1.3	5.8	0.3	0.2	0.1	0.1	0.1	0.2	**6.4**	0.6	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.4	5.8	-0.1	0.7	1.7	100.0
23	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.2	**0.3**	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.1	100.0
24	1.2	**11.6**	8.2	2.4	1.8	0.6	0.4	0.3	0.3	0.4	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	11.6	8.2	0.1	1.3	2.7	100.0
25	0.3	0.2	0.1	0.2	0.1	0.3	0.4	0.2	0.3	0.4	0.2	0.4	1.0	1.4	7.9	4.9	5.6	1.1	0.2	0.5	0.2	0.3	**8.5**	7.7	8.5	7.9	0.1	1.8	2.7	100.0
26	6.1	2.1	0.6	0.4	1.4	5.1	5.1	9.0	13.4	1.3	0.7	4.9	5.7	3.1	7.2	13.7	9.0	4.8	1.4	0.6	33.7	40.7	**44.7**	42.5	44.7	42.5	0.4	10.7	13.9	100.0
27	**55.7**	22.7	24.8	33.3	31.3	10.9	20.6	17.9	16.2	5.7	7.0	2.9	2.9	2.7	8.3	17.0	4.4	3.7	22.0	21.2	7.8	1.3	0.6	0.9	55.7	33.3	0.6	14.2	13.0	100.0
28	5.2	10.9	5.7	8.1	**11.5**	8.3	5.0	4.6	3.3	5.7	4.4	0.8	2.9	0.2	0.0	0.3	0.2	0.2	0.2	SPN	SPN	0.2	0.2	0.1	11.5	10.9	0.0	3.5	3.6	91.7
29	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	**0.3**	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	-0.0	0.1	0.1	0.1	0.0	0.3	0.2	0.0	0.1	0.1	100.0
30	0.2	0.2	0.3	0.3	0.3	0.5	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	**0.7**	0.2	0.7	0.5	0.1	0.2	0.1	100.0
31	**0.2**	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	-0.1	0.2	0.1	0.1	0.1	0.2	0.2	-0.1	0.1	0.1	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
83.9	80.5	-0.4	3.1	8.9	96.8
March 1 12:00	March 1 10:00	March 5 19:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Summary for April 2020

Select a New Site, Different Parameters, or Change Report Options

Select a date:

April 2020 Generate Report

Tatum CR 2181d Martin Creek Lake C1082 - EPA Site: 48_401_1082

April 2020	Sulfur Dioxide MDL (POC 1 R) measured in parts per billion	Central Standard Time	Sta

Day	Morning												Afternoon												Day	Max	SH	Min
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00				
1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.6	0.5	0.3	**7.8**	2.9	6.5	6.2	0.4	0.2	0.3	0.1	0.3	0.3	0.3	3.8	1	7.8	6.5	0.1
2	**18.0**	3.5	1.8	0.8	0.4	0.3	0.3	0.5	0.5	0.4	0.5	0.5	5.5	0.3	0.3	0.4	0.4	0.3	0.2	0.3	1.2	0.6	0.4	0.4	2	18.0	5.5	0.2
3	0.5	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.3	0.3	0.4	0.2	0.1	0.1	0.2	0.1	**0.6**	0.1	0.2	0.2	0.2	3	0.6	0.5	0.1
4	0.1	0.1	**0.2**	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	CAL	CAL	0.2	0.1	0.1	4	0.2	0.2	0.0
5	0.1	0.1	0.1	0.1	-0.0	0.1	0.1	0.2	0.2	0.1	0.2	**0.4**	0.4	0.1	0.1	0.1	0.1	0.1	-0.1	-0.1	-0.1	0.1	0.1	0.1	5	0.4	0.4	-0.1
6	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.7	0.4	0.4	0.4	0.3	0.3	0.3	0.1	0.2	0.0	0.0	0.5	**2.4**	1.7	6	2.4	1.7	0.0
7	3.3	0.5	0.8	2.2	1.0	0.3	0.2	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.3	**4.0**	0.5	0.2	0.2	7	4.0	3.3	0.1
8	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.3	0.1	0.3	0.3	**1.6**	1.5	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.1	8	1.6	1.5	0.0
9	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	**0.6**	0.2	0.2	0.0	0.1	0.0	0.0	9	0.6	0.3	0.0
10	0.1	0.1	0.1	0.2	**0.3**	0.2	0.1	0.1	0.0	0.2	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.0	-0.1	-0.3	-0.1	0.1	0.2	10	0.3	0.3	-0.3
11	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.5	0.6	0.9	10.4	**12.3**	0.7	0.4	0.3	0.4	0.3	0.4	SPN	SPN	0.4	0.3	0.2	11	12.3	10.4	0.1
12	**0.3**	0.2	0.2	0.2	0.3	0.2	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	12	0.3	0.3	0.2
13	0.0	0.0	0.0	-0.0	-0.1	0.0	0.2	-0.2	NEG	NEG	0.3	PMA	-0.2	0.1	0.4	**0.5**	0.3	0.2	-0.1	-0.1	0.0	-0.0	-0.0	-0.0	13	0.5	0.4	-0.2
14	0.0	-0.0	0.1	0.0	-0.0	-0.0	0.0	0.2	0.1	0.3	0.2	0.1	0.1	0.3	**0.5**	0.4	0.3	0.2	-0.1	0.0	0.0	0.0	-0.2	0.0	14	0.5	0.4	-0.2
15	0.0	-0.0	0.1	0.0	-0.0	0.0	0.0	-0.0	0.1	-0.0	0.1	**0.8**	0.1	0.6	0.6	0.3	0.5	0.7	0.2	-0.2	0.1	0.0	-0.0	-0.0	15	0.8	0.7	-0.2
16	0.0	0.1	0.2	-0.0	0.0	-0.0	0.0	0.1	0.1	0.3	0.5	2.0	**14.9**	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	2.7	8.2	4.0	16	14.9	8.2	0.0
17	3.2	1.5	0.8	0.5	0.7	0.9	6.2	**14.4**	3.2	1.0	3.8	1.2	2.9	0.5	0.3	0.3	0.1	0.0	0.0	0.1	0.1	0.2	0.5	0.4	17	14.4	6.2	0.0
18	**0.3**	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.2	0.3	0.1	0.1	0.2	SPN	SPN	0.3	0.2	0.3	18	0.3	0.3	0.0
19	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.3	**1.6**	0.7	0.3	0.8	0.6	0.4	0.3	0.2	0.2	0.3	0.2	0.2	19	1.6	0.8	0.2
20	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.4	4.7	5.9	3.4	2.6	4.9	**18.8**	9.4	1.2	0.4	0.1	0.1	0.2	0.2	20	18.8	9.4	0.1

Day	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Noon	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	Day	Max	SH	Min
21	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	**1.0**	0.9	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.1	0.3	0.3	0.4	0.3	**21**	1.0	0.9	0.1
22	0.3	0.2	0.3	0.3	0.5	0.4	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.3	**3.3**	0.6	1.1	1.2	0.5	0.3	0.3	0.6	0.3	0.2	**22**	3.3	1.2	0.1
23	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	**0.4**	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	**23**	0.4	0.3	0.1
24	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.7	0.7	0.5	0.5	**6.8**	5.7	3.2	1.5	0.5	0.4	0.5	0.3	0.2	0.2	**24**	6.8	5.7	0.2
25	**0.3**	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	SPN	SPN	-0.1	0.0	0.0	**25**	0.3	0.3	-0.1
26	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	1.0	**7.1**	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1	-0.0	0.0	0.1	**26**	7.1	1.0	0.0
27	0.1	0.2	0.2	0.1	0.4	**5.5**	3.3	1.2	1.0	NA															**27**	5.5	3.3	0.1

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
18.8	18.0	-0.3	0.6	1.8	95.4 %
April 20 16:00	April 2 00:00	April 10 20:00	-- -- -- --	-- -- -- --	-- -- -- --

Maximum daily values are **bold** within the table.

R - Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

PLEASE NOTE: This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff. Data is collected from TCEQ ambient monitoring sites and may include data collected by other outside agencies. This data is updated hourly. All times shown are in local standard time unless otherwise indicated.

Following EPA reporting guidelines, negative values may be displayed in our hourly criteria air quality data, down to the negative of the EPA listed Method Detection Limit (MDL) for the particular instrument that made the measurements. The reported concentrations can be negative due to zero drift in the electronic instrument output, data logger channel, or calibration adjustments to the data. Prior to 1/1/2013, slightly negative values were automatically set to zero.

Last Modified Tuesday, 30 Jan 2018

CAMS 1082 Monthly Sulfur Dioxide Summary Report for November 2017

Report Month: November 2017 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:16:45 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	CAL	CAL	**5.7**	2.5	QAS	QAS	2.8	0.7	0.4	0.3	4.2	5.3	2.1	5.7	5.3	0.3	2.7	1.9	37.5
2	0.3	0.1	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	SPN	SPN	-0.1	-0.1	-0.1	-0.0	-0.1	-0.0	-0.1	1.0	**1.3**	0.2	0.3	0.2	1.3	1.0	-0.1	0.1	0.3	91.7
3	0.1	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	1.0	-0.0	-0.1	-0.1	-0.2	-0.1	**1.1**	0.0	-0.0	0.4	0.8	0.2	-0.1	-0.0	-0.1	-0.1	-0.1	1.1	1.0	-0.2	0.1	0.4	100.0
4	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	0.3	0.5	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	0.3	-0.0	SPN	SPN	**26.7**	10.4	9.4	26.7	10.4	-0.2	2.1	6.1	91.7
5	**5.9**	5.9	1.3	0.4	0.3	0.3	1.4	0.9	0.2	0.1	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.3	1.6	3.6	5.9	5.9	0.0	1.0	1.7	100.0
6	0.9	0.8	0.8	0.6	0.3	0.2	0.2	0.2	**1.2**	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.5	1.2	0.9	0.1	0.3	0.3	100.0
7	**3.3**	1.7	1.0	0.8	0.5	0.4	0.3	0.3	0.2	0.3	0.1	0.2	0.6	1.1	1.3	0.9	0.3	0.0	0.1	0.3	1.3	1.2	2.6	2.0	3.3	2.6	0.0	0.9	0.8	100.0
8	**1.4**	1.2	1.1	0.8	0.4	0.2	0.0	0.1	0.2	0.1	0.7	0.4	QAS	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	1.4	1.2	0.0	0.6	0.5	50.0
9	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
10	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
11	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	SPN	AQI	AQI	AQI	AQI						0.0
12	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
13	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
14	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
15	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
16	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
17	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
18	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	CAL	CAL	AQI	AQI	AQI						0.0
19	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
20	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
21	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
22	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
23	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
24	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
25	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	SPN	AQI	AQI	AQI	AQI						0.0
26	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
27	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
28	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
29	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
30	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
26.7 November 4 21:00	10.4 November 4 22:00	-0.2 November 3 11:00	0.8	2.5	22.4

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for December 2017

Report Month: December 2017 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:22:52 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
2	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	SPN	AQI	AQI	AQI	AQI						0.0
3	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
4	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
5	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
6	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI						0.0
7	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	QAS	QAS	QAS	CAL	CAL	CAL	1.6	**2.1**	0.8	0.6	0.7	0.6	2.1	1.6	0.6	1.1	0.6	25.0
8	0.5	1.1	1.0	1.0	0.9	0.8	0.6	0.4	0.4	0.3	0.5	0.0	0.1	0.0	0.1	1.1	**2.8**	2.0	1.4	0.6	-0.0	0.1	0.1	0.1	2.8	2.0	0.0	0.7	0.7	100.0
9	0.3	0.0	-0.0	-0.0	-0.0	0.1	0.2	0.5	**1.1**	0.7	0.7	0.3	0.1	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	SPN	SPN	0.3	0.2	0.1	1.1	0.7	-0.1	0.2	0.3	91.7
10	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.2	0.3	1.2	**2.6**	1.6	1.3	1.3	1.4	2.6	1.6	0.1	0.6	0.6	100.0
11	1.0	0.8	0.9	1.4	2.0	1.6	0.9	0.9	2.1	1.6	1.2	0.8	0.6	0.5	0.7	0.5	0.5	0.4	1.9	2.6	1.1	1.4	**3.0**	3.0	3.0	3.0	0.4	1.3	0.8	100.0
12	1.4	1.4	1.6	1.3	1.5	0.7	0.5	0.9	1.1	1.5	1.4	1.3	1.4	**3.0**	2.1	0.8	0.4	0.2	0.2	0.2	0.1	0.2	0.1	0.2	3.0	2.1	0.1	1.0	0.7	100.0
13	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4	PMA	1.4	**1.7**	1.0	0.9	0.6	0.5	0.6	0.9	1.1	0.6	0.6	0.6	0.6	1.7	1.4	0.2	0.6	0.4	95.8
14	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.6	0.6	1.6	**2.6**	2.1	1.9	1.5	1.5	2.4	0.9	0.8	0.7	0.9	0.4	0.4	0.4	0.4	2.6	2.4	0.3	0.9	0.7	100.0
15	0.7	0.5	0.5	0.6	0.6	0.4	0.4	0.4	0.5	0.5	2.1	12.3	2.9	8.3	**14.9**	1.1	0.7	0.5	0.4	0.5	0.2	0.4	0.4	0.3	14.9	12.3	0.2	2.1	3.9	100.0
16	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	1.5	**8.6**	7.8	6.8	8.3	0.9	0.7	0.6	0.6	0.5	0.4	CAL	CAL	0.1	0.1	0.1	8.6	8.3	0.1	1.8	2.9	91.7
17	1.0	0.4	0.1	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	4.3	4.7	2.7	5.4	17.5	22.7	7.3	26.4	**45.2**	3.7	0.4	0.0	-0.0	0.0	0.1	45.2	26.4	-0.0	5.9	10.9	100.0
18	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.9	**4.5**	3.7	3.6	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	4.5	3.7	0.0	0.6	1.3	100.0
19	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.8	**1.8**	1.6	0.4	0.2	0.6	0.9	0.3	0.3	0.2	0.2	0.2	0.5	0.6	0.3	0.4	0.2	1.8	1.6	0.0	0.4	0.5	100.0
20	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.2	**1.2**	0.5	0.2	0.2	-0.1	-0.0	0.1	0.1	0.1	0.1	0.0	1.2	0.5	-0.1	0.2	0.2	100.0
21	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	2.6	2.6	2.7	0.5	0.8	14.2	9.9	**23.4**	6.1											

0.6 | 1.3 | 4.1 | 14.2| 7.1 | 23.4| 14.2| 0.0 | 3.8 | 5.9 |100.0|

| 22| 17.1| 8.1 | 4.8 | 11.7| 3.9 | 15.5| 10.6| 4.6 | 2.4 | 11.5| 18.4| **22.2**| 8.2 | 4.0 | 1.1 | 0.2 | 0.6 | 0.2 | 0.2 |
0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 22.2| 18.4| 0.1 | 6.1 | 6.7 |100.0|

| 23| 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | -0.0| -0.0| -0.0| -0.1| 0.0 | 0.1 | -0.0| 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.8 | **2.8** |
SPN | SPN | 0.4 | 1.2 | 1.0 | 2.8 | 1.2 | -0.1| 0.3 | 0.6 | 91.7|

| 24| 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 1.3 | 3.6 | **6.5** | 0.3 | 0.3 | 0.3 | 0.4 | 2.4 | 3.1 | 0.8 | 0.3 | 0.1 | 0.0 | 0.0 |
-0.0| 0.1 | 0.1 | 0.1 | 0.0 | 6.5 | 3.6 | 0.0 | 0.9 | 1.5 |100.0|

| 25| -0.0| 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | **0.5** | 0.2 | -0.1| 0.1 |
0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.5 | 0.4 | -0.1| 0.2 | 0.1 |100.0|

| 26| 0.1 | 0.1 | 0.1 | **0.2** | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 |
0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.1 | 0.1 |100.0|

| 27| 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.4 | 0.3 | 0.9 | **1.9** | 1.3 | PMA | 0.9 | 0.7 | 1.0 | 0.7 | 1.2 | 1.5 | 1.6 | 1.6 |
1.3 | 0.8 | 0.6 | 0.5 | 0.4 | 1.9 | 1.6 | 0.0 | 0.8 | 0.5 | 95.8|

| 28| 0.5 | 0.7 | 0.7 | **0.8** | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.4 | 0.4 |
0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.8 | 0.7 | 0.2 | 0.4 | 0.2 |100.0|

| 29| 0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.2 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.4 | 0.7 | 0.2 | 0.2 | 0.2 |
2.7 | **3.9** | 1.1 | 2.6 | 0.6 | 3.9 | 2.7 | 0.2 | 0.7 | 0.9 |100.0|

| 30| **1.0** | 0.2 | 0.2 | 0.1 | 0.2 | 0.5 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.4 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
SPN | SPN | 0.1 | 0.2 | 0.2 | 1.0 | 0.5 | 0.1 | 0.2 | 0.2 | 91.7|

| 31| 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.6 | 0.6 | 0.2 | 0.1 | 0.0 | 0.1 | 0.1 | 1.9 | **2.7** | 2.2 | 2.7 | 0.8 | 0.1 | 0.1 |
0.1 | 0.5 | 0.6 | 0.1 | 0.1 | 2.7 | 2.7 | 0.0 | 0.6 | 0.8 |100.0|

|Day|00:00|01:00|02:00|03:00|04:00|05:00|06:00|07:00|08:00|09:00|10:00|11:00|12:00|13:00|14:00|15:00|16:00|17:00|18:00|
19:00|20:00|21:00|22:00|23:00| Max | SH | Min | Avg | STD | Cap |

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
45.2 76.9 December 17 17:00	26.4 December 17 16:00	-0.1 December 9 15:00	1.3	3.5

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for January 2018

Report Month: January 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:24:12 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.1	0.2	0.5	1.1	1.6	1.6	**3.2**	1.4	0.5	0.3	0.4	1.5	2.3	2.2	2.4	0.9	0.1	-0.0	0.0	0.0	-0.0	0.0	0.5	3.2	2.4	-0.0	0.9	0.9	100.0
2	1.2	1.3	1.3	2.1	1.5	1.1	0.6	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.7	4.1	**4.4**	0.5	0.6	0.3	0.3	0.3	0.3	4.4	4.1	0.1	0.9	1.1	100.0
3	0.3	**1.9**	0.9	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.3	0.3	0.2	0.2	1.9	0.9	0.1	0.4	0.4	100.0
4	0.2	0.1	0.1	0.1	-0.0	0.1	0.2	0.3	0.3	0.6	0.5	0.4	0.4	2.0	**2.8**	1.1	0.6	1.3	2.3	2.1	1.0	0.5	0.4	0.4	2.8	2.3	-0.0	0.7	0.8	100.0
5	1.5	1.0	1.2	2.4	1.0	0.5	0.1	0.1	3.1	**21.7**	2.6	1.8	9.7	6.9	4.9	4.6	1.7	0.8	0.8	0.8	0.5	0.6	0.9	0.8	21.7	9.7	0.1	2.9	4.5	100.0
6	0.7	1.1	1.5	2.0	0.8	0.1	0.1	0.1	0.2	5.9	**14.9**	2.9	3.0	1.8	0.8	0.6	0.7	0.7	0.6	SPN	SPN	0.7	1.0	1.3	14.9	5.9	0.1	1.9	3.1	91.7
7	1.6	1.6	1.5	1.3	1.3	1.4	2.1	2.2	1.4	1.2	1.1	1.2	1.2	1.0	0.9	**5.2**	3.3	0.7	0.5	0.4	0.3	2.1	0.1	FEW	5.2	3.3	0.1	1.5	1.1	95.8
8	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	LST	FEW	FEW	**0.3**	0.1	0.2	0.1	0.1	-0.0	-0.1	-0.1	0.1	0.1	0.1	0.3	0.2	-0.1	0.1	0.1	45.8
9	**0.1**	0.1	-0.3	NEG	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	0.1	0.1	0.1	0.1	0.1	-0.3	0.1	0.1	95.8
10	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	1.6	1.8	0.7	4.0	**15.0**	1.6	2.2	0.4	0.3	0.3	0.3	0.1	0.3	0.3	0.3	15.0	4.0	0.0	1.3	3.0	100.0
11	1.4	2.4	4.1	0.4	0.3	0.3	1.3	1.8	1.0	1.9	2.2	**8.2**	3.0	1.7	1.0	1.8	0.3	0.3	0.2	0.2	-0.0	0.2	0.2	0.1	8.2	4.1	-0.0	1.4	1.8	100.0
12	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.2	0.1	0.3	**0.4**	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.1	0.2	0.1	100.0
13	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.3	1.0	0.6	1.7	0.1	0.1	0.2	0.2	1.3	**2.1**	1.6	CAL	CAL	0.2	0.2	0.2	2.1	1.7	0.1	0.5	0.6	91.7
14	0.5	1.3	1.3	**4.3**	2.0	0.8	0.3	0.3	1.6	2.2	1.0	0.6	0.4	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.1	0.2	0.2	4.3	2.2	0.0	0.8	1.0	100.0
15	0.2	0.9	2.5	5.2	3.2	2.1	**8.2**	3.8	6.9	4.5	1.9	0.6	0.6	0.6	0.5	0.4	0.4	0.6	0.5	0.8	0.4	0.4	0.2	0.1	8.2	6.9	0.1	1.9	2.2	100.0
16	0.2	1.4	1.6	0.9	0.2	0.1	0.1	0.0	0.3	0.3	0.2	0.5	0.4	0.7	**2.8**	2.2	2.5	2.5	1.2	0.4	0.3	0.7	0.5	0.3	2.8	2.5	0.0	0.8	0.8	100.0
17	0.3	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.6	0.4	0.8	2.7	2.4	0.9	**5.4**	1.5	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0	5.4	2.7	0.0	0.8	1.2	100.0
18	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.6	**6.5**	2.3	5.6	4.2	3.0	0.4	0.4	0.3	0.4	4.7	0.9	1.0	0.3	0.3	6.5	5.6	0.0	1.3	1.9	100.0
19	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.9	1.2	1.4	3.1	2.2	4.1	3.1	**5.3**	0.6	0.5	0.6	0.6	0.6	0.7	0.8	0.8	1.0	5.3	4.1	0.3	1.2	1.3	100.0
20	1.2	1.5	1.5	1.2	0.9	0.7	0.5	0.5	0.4	0.6	1.3	3.5	1.5	2.5	7.4	**19.5**	0.8	4.6	0.5	SPN	SPN	0.2	0.2	7.4	19.5	7.4	0.2	2.7	4.2	91.7
21	3.8	17.7	3.5	0.5	1.0	1.6	0.3	0.2	0.2	0.2	0.2	0.1	0.3	1.8	2.8	8.7	3.0	0.3	0.7											

0.3	0.4	**38.0**	24.4	0.9	38.0	24.4	0.1	4.6	9.1	100.0

22	**0.3**	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.1	0.1	100.0

23	0.0	-0.0	0.0	-0.0	-0.0	0.0	-0.1	-0.1	0.0	**2.4**	1.4	0.1	0.1	0.1	0.0	0.0	0.0	-0.0	-0.0	-0.1	0.0	0.0	0.1	2.4	1.4	-0.1	0.2	0.5	100.0

24	0.1	0.1	0.2	0.4	0.3	0.2	0.1	0.0	0.4	0.2	0.5	3.0	**3.1**	2.3	1.2	0.4	0.2	0.0	0.1	0.1	0.0	0.1	0.0	0.1	3.1	3.0	0.0	0.5	0.9	100.0

25	0.2	0.2	0.1	0.2	0.0	-0.0	0.2	0.1	0.1	11.5	4.8	1.1	0.8	0.8	0.3	0.2	0.1	-0.1	0.0	0.1	0.1	0.1	0.6	**16.0**	16.0	11.5	-0.1	1.6	3.9	100.0

26	**7.6**	1.2	1.0	1.6	2.3	0.5	0.3	0.4	0.7	0.9	1.0	1.0	0.7	6.9	1.7	1.1	0.7	0.6	0.5	0.6	0.7	1.1	1.2	1.0	7.6	6.9	0.3	1.5	1.8	100.0

27	1.8	1.1	0.6	0.5	0.4	0.9	**5.8**	0.5	0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.4	0.5	0.3	0.3	SPN	SPN	0.2	0.2	0.8	5.8	1.8	0.1	0.7	1.2	91.7

28	0.7	0.6	0.8	1.2	**2.3**	1.3	0.5	0.2	0.8	0.5	0.2	0.3	1.3	2.3	0.6	0.4	0.4	0.5	0.3	0.3	0.4	0.5	0.5	0.4	2.3	2.3	0.2	0.7	0.6	100.0

29	0.2	0.0	0.1	0.1	0.1	0.0	0.3	0.3	0.3	0.5	1.0	1.1	**1.5**	0.8	0.3	0.3	0.5	0.4	0.2	0.5	0.6	0.5	0.2	0.1	1.5	1.1	0.0	0.4	0.4	100.0

30	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.5	0.4	0.3	0.2	0.3	0.6	**1.0**	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.8	1.0	0.8	0.1	0.3	0.2	100.0

31	16.5	6.0	**28.8**	26.8	13.7	5.6	16.1	22.6	16.9	1.2	0.8	3.4	1.1	2.9	4.0	0.8	2.4	5.7	17.4	16.8	27.4	25.8	23.2	10.1	28.8	27.4	0.8	12.3	9.6	100.0

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
38.0 96.9 January 21 21:00	28.8 January 31 02:00	-0.3 January 9 02:00	1.5	3.7

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for February 2018

Report Month: February 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:24:24 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	1.0	1.6	**22.2**	20.2	11.0	11.0	5.4	1.4	0.6	0.6	0.4	0.5	0.6	0.7	1.6	1.2	0.5	0.4	0.9	0.6	0.6	0.5	0.4	0.3	22.2	20.2	0.3	3.5	6.1	100.0
2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	**0.4**	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.4	0.4	0.1	0.3	0.1	100.0
3	0.3	0.8	0.8	0.7	0.8	1.1	0.8	0.6	0.8	0.9	0.7	0.7	0.8	1.3	0.7	0.6	0.5	0.3	0.2	SPN	SPN	**4.3**	3.0	0.4	4.3	3.0	0.2	1.0	0.9	91.7
4	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.6	**1.7**	NOL	NOL	NOL	NOL	NOL	1.7	0.6	0.1	0.4	0.3	75.0	
5	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	**0.7**	0.3	0.1	0.5	0.4	0.4	0.7	0.5	0.1	0.4	0.2	25.0
6	0.1	0.0	0.1	0.1	0.2	0.1	0.2	**0.3**	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.0	0.1	0.1	0.1	0.3	0.3	0.0	0.1	0.1	100.0
7	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.6	0.2	0.0	0.1	0.2	0.4	0.4	0.4	**1.0**	0.6	0.5	0.5	-0.1	-0.0	-0.0	-0.1	1.0	0.6	-0.1	0.2	0.3	100.0
8	-0.0	-0.0	-0.1	-0.1	-0.1	-0.0	-0.0	0.0	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.6	0.9	1.1	**1.4**	1.1	0.6	0.5	0.2	0.1	1.4	1.1	-0.1	0.3	0.4	100.0
9	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.7	**4.6**	2.9	1.4	1.1	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	4.6	2.9	0.2	0.7	1.0	100.0
10	2.3	**5.7**	1.7	0.4	0.8	0.4	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	CAL	CAL	0.0	0.0	-0.0	5.7	2.3	0.0	0.6	1.2	91.7
11	0.0	-0.0	-0.1	-0.1	-0.0	0.0	-0.1	-0.0	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	-0.1	-0.0	0.1	0.1	0.8	**1.1**	0.2	0.0	-0.1	-0.0	1.1	0.8	-0.1	0.1	0.3	100.0
12	0.2	0.2	0.5	**0.7**	0.5	0.0	-0.1	-0.1	0.0	0.1	0.0	0.0	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.2	-0.1	-0.3	-0.1	-0.0	-0.1	0.7	0.5	-0.3	0.0	0.2	100.0
13	-0.2	-0.1	-0.1	-0.1	-0.3	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	**0.1**	-0.0	-0.1	-0.1	-0.2	-0.3	-0.1	-0.1	-0.1	0.1	-0.0	-0.3	-0.1	0.1	100.0
14	-0.1	-0.1	-0.0	-0.0	0.0	0.0	0.8	0.6	0.3	0.2	0.4	0.2	0.2	0.4	0.7	0.5	0.1	0.1	1.9	5.2	1.3	3.9	**6.4**	3.0	6.4	5.2	-0.1	1.1	1.7	100.0
15	2.2	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.9	0.7	0.4	2.7	**12.0**	5.2	2.5	0.2	12.0	5.2	0.0	1.2	2.6	100.0
16	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.4	0.4	0.8	0.2	**1.4**	0.9	0.0	0.1	0.0	0.0	0.0	0.0	0.1	1.4	0.9	0.0	0.3	0.3	100.0
17	0.1	0.1	0.2	0.3	0.2	**0.5**	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	SPN	SPN	0.0	-0.0	-0.0	0.5	0.3	0.0	0.1	0.1	91.7
18	-0.0	-0.0	-0.0	-0.0	-0.1	-0.0	-0.1	-0.0	-0.1	0.0	0.1	0.1	0.1	-0.0	0.0	-0.0	-0.1	0.0	0.1	0.1	0.1	1.4	15.9	**19.0**	19.0	15.9	-0.1	1.5	4.8	100.0
19	**50.5**	25.2	37.7	2.2	0.4	1.1	0.3	0.2	0.1	20.1	45.5	37.0	31.7	47.4	22.6	2.9	1.9	3.8	0.1	0.2	0.1	0.3	0.3	0.3	50.5	47.4	0.1	13.8	17.9	100.0
20	0.3	5.3	1.2	2.6	20.8	14.3	18.7	12.9	0.7	0.5	3.3	22.6	**29.9**	9.8	10.2	1.5	0.9	10.0	1.4	0.3	6.1	7.8	0.5	0.2	29.9	22.6	0.2	7.6	8.2	100.0
21	**9.8**	8.8	3.3	0.1	0.2	0.1	0.1	0.1	1.0	0.5	0.2	0.0	0.1	0.1	-0.1	0.0	-0.0	-0.0	0.0											

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
																				0.0	0.6	0.1	0.0	-0.0	9.8	8.8	-0.1	1.0	2.6	100.0
22	-0.0	-0.0	0.1	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.0	0.0	0.1	-0.0	0.2	**0.4**	0.1	0.1	-0.0	0.0	0.0	-0.0	0.4	0.2	-0.1	0.0	0.1	100.0
23	0.0	0.5	0.4	0.1	0.1	0.1	0.1	0.0	0.0	0.1	QAS	QAS	PMA	1.7	7.5	0.4	0.3	0.2	0.2	0.1	0.0	0.8	**16.4**	16.2	16.4	16.2	0.0	2.2	4.9	87.5
24	6.5	1.7	1.6	1.6	1.6	0.5	2.3	2.5	0.8	**44.6**	19.1	1.1	23.8	29.5	12.0	16.8	7.0	0.2	0.1	SPN	SPN	0.1	0.1	0.1	44.6	29.5	0.1	7.9	11.6	91.7
25	0.2	0.2	0.1	0.1	0.1	0.0	-0.0	0.1	0.2	0.2	**0.5**	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.2	0.1	0.0	0.1	0.2	0.1	0.5	0.4	0.0	0.2	0.1	100.0
26	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.4	**0.6**	0.1	0.1	0.0	0.0	0.6	0.4	0.0	0.1	0.1	100.0
27	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.4	0.4	0.3	0.3	0.2	0.5	0.6	0.2	0.2	0.2	0.1	0.1	34.7	**62.5**	28.4	62.5	34.7	0.0	5.4	14.7	100.0
28	23.0	17.5	2.4	0.7	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.2	0.3	0.3	0.3	2.4	19.8	9.4	11.2	4.5	**45.9**	44.0	41.8	40.1	45.9	44.0	0.2	11.1	15.7	100.0

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
62.5 94.8 February 27 22:00	50.5 February 19 00:00	-0.3 February 12 20:00	2.2	7.3

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for March 2018

Report Month: March 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:27:33 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	**2.2**	0.7	0.5	0.2	0.2	0.1	0.2	0.2	0.2	0.2	1.4	0.8	0.4	0.2	0.2	0.1	0.0	0.1	0.3	0.2	0.1	0.1	0.2	0.1	2.2	1.4	0.0	0.4	0.5	100.0
2	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	**0.3**	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.2	0.2	0.3	0.2	0.0	0.1	0.1	100.0
3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	**0.5**	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.0	SPN	SPN	0.1	0.1	0.1	0.5	0.5	0.0	0.2	0.1	91.7
4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.7	**21.9**	8.4	21.9	8.4	0.2	1.6	4.5	100.0
5	14.6	17.5	**23.2**	2.9	2.4	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.3	0.5	1.8	1.2	23.2	17.5	0.0	2.8	6.1	100.0
6	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	**0.5**	0.5	0.3	0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.5	0.5	-0.1	0.1	0.2	100.0
7	0.0	0.1	0.1	-0.1	0.3	0.2	0.5	0.9	0.8	**1.3**	0.6	0.2	0.2	0.1	-0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.3	0.9	-0.1	0.2	0.3	100.0
8	0.1	0.1	0.1	0.3	-0.0	-0.0	0.0	0.2	0.3	0.3	2.7	20.1	**48.5**	36.6	33.0	40.2	9.3	13.9	10.1	4.2	0.5	22.1	16.8	1.1	48.5	40.2	-0.0	10.9	14.7	100.0
9	0.3	0.4	0.4	7.8	4.1	7.6	14.1	30.1	28.4	36.4	**42.3**	10.1	23.5	27.6	7.5	18.6	27.8	39.8	29.2	9.8	34.0	30.6	25.2	26.7	42.3	39.8	0.3	20.1	13.0	100.0
10	15.8	5.8	2.8	0.5	0.7	0.4	0.4	0.3	1.2	8.0	12.6	0.6	13.6	7.2	10.2	15.4	3.5	1.3	0.4	CAL	CAL	4.9	7.9	**16.2**	16.2	15.8	0.3	5.9	5.6	91.7
11	**13.1**	3.1	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.7	0.6	0.2	0.1	0.1	0.4	0.4	0.3	-0.1	-0.0	-0.2	-0.0	0.2	-0.0	-0.1	13.1	3.1	-0.2	0.8	2.6	100.0
12	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	**0.9**	0.1	0.9	0.6	-0.0	-0.1	-0.1	-0.0	0.1	0.4	0.4	0.4	0.3	0.1	0.0	0.0	0.9	0.9	-0.1	0.1	0.3	100.0
13	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	-0.0	0.4	0.4	0.6	0.6	0.5	PMA	0.1	0.2	**1.3**	0.5	0.2	0.1	0.1	-0.0	0.0	-0.0	1.3	0.6	-0.1	0.2	0.3	95.8
14	0.1	0.0	0.1	-0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.0	0.1	0.3	21.5	**49.2**	21.0	9.6	5.9	1.3	0.7	0.3	0.4	0.3	23.8	49.2	23.8	0.0	5.6	11.6	100.0
15	34.0	12.6	0.6	0.4	0.3	0.2	1.1	2.3	5.0	3.0	0.8	10.9	18.0	14.8	32.2	26.7	4.9	6.0	1.8	5.4	12.0	13.3	**43.0**	26.8	43.0	34.0	0.2	11.5	12.2	100.0
16	**35.5**	32.0	14.3	7.5	30.8	30.0	3.4	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	-0.0	0.1	0.1	0.1	35.5	32.0	-0.0	6.5	11.9	100.0
17	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	3.0	**5.7**	0.2	0.1	0.1	0.2	SPN	SPN	0.4	5.2	0.7	5.7	5.2	0.1	0.8	1.6	91.7
18	**1.0**	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.1	0.1	0.1	-0.1	0.0	0.1	0.2	1.0	0.2	-0.1	0.1	0.2	100.0
19	14.7	**34.1**	28.2	5.1	0.8	0.7	0.2	0.2	0.2	0.1	0.0	-0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	34.1	28.2	0.0	3.5	8.9	100.0
20	-0.0	0.0	-0.0	-0.1	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	**0.1**	0.1	0.0	0.1	-0.0	-0.1	-0.0	-0.1	-0.0	-0.0	0.0	-0.0	-0.1	-0.1	0.1	0.1	-0.1	-0.0	0.1	100.0
21	-0.1	-0.1	-0.0	-0.0	-0.0	-0.1	-0.1	0.1	0.9	QAS	QAS	0.2	0.1	0.1	0.3	1.0	0.6	0.2	0.9											

| **2.8** | 0.9 | 0.2 | 0.1 | 0.0 | 2.8 | 1.0 | -0.1| 0.4 | 0.6 | 91.7|

| 22| -0.0| -0.0| -0.1| 0.0 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.5 | 0.3 | 2.3 | 10.9| 2.8 | 4.3 | 0.9 |
0.5 | 0.6 | **36.3**| 21.1| 1.0 | 36.3| 21.1| -0.1| 3.5 | 8.2 |100.0|

| 23| 0.9 | 15.6| 20.3| 9.4 | 0.9 | 0.5 | 0.3 | 9.6 | 38.5| 11.0| 28.8| 34.3| 40.1| 10.9| 23.4| 23.6| 28.2| 27.1| 13.8|
55.9| **94.7**| 87.1| 65.7| 29.4| 94.7| 87.1| 0.3 | 27.9| 25.1|100.0|

| 24| **2.9** | 0.7 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | NOL |
SPN | NOL | NOL | NOL | NOL | 2.9 | 0.7 | 0.1 | 0.4 | 0.6 | 75.0|

| 25| NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | NOL | 0.2 |
0.2 | 0.0 | 0.2 | 5.5 | **6.7** | 6.7 | 5.5 | 0.0 | 2.1 | 2.8 | 25.0|

| 26| **44.9**| 2.2 | 0.5 | 0.3 | 0.2 | 0.1 | 0.2 | 0.1 | 1.2 | 5.1 | 17.2| 44.8| 40.4| 10.3| 6.5 | 4.4 | 0.3 | 0.2 | 0.2 |
0.2 | -0.0| 0.1 | 0.2 | 0.2 | 44.9| 44.8| -0.0| 7.5 | 14.1|100.0|

| 27| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 2.6 | 5.5 | 29.2| **70.5**| 41.0| 40.1| 35.8| 42.6| 27.1| 1.6 | 0.4 |
0.7 | 0.2 | 0.1 | 0.1 | 0.3 | 70.5| 42.6| 0.1 | 12.4| 19.6|100.0|

| 28| 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | -0.0| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.1 | 10.4|
19.3| 0.7 | 0.3 | 0.5 | 0.3 | 19.3| 10.4| 0.0 | 1.4 | 4.3 |100.0|

| 29| 1.8 | 0.9 | 1.7 | 1.4 | 5.6 | 3.0 | **15.6**| 0.7 | 0.2 | 0.3 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
0.0 | 0.3 | 0.2 | -0.0| -0.0| 15.6| 5.6 | 0.0 | 1.4 | 3.2 |100.0|

| 30| 0.0 | -0.0| -0.0| 0.0 | 0.0 | -0.0| -0.0| 0.0 | 0.3 | 0.6 | 0.8 | **6.8** | 1.0 | 2.1 | 2.4 | 2.1 | 0.5 | 0.1 | 0.1 |
-0.0| 0.1 | 0.1 | 0.1 | 0.1 | 6.8 | 2.4 | 0.0 | 0.7 | 1.5 |100.0|

| 31| 0.0 | 0.1 | 0.1 | -0.0| 0.1 | -0.0| -0.0| 0.0 | 0.1 | 5.0 | 9.2 | 12.8| 12.8| 23.3| 10.1| 13.5| 22.2| 8.5 | 0.8 |
SPN | SPN | 17.3| **25.3**| 20.8| 25.3| 23.3| 0.0 | 8.3 | 8.8 | 91.7|

|Day|00:00|01:00|02:00|03:00|04:00|05:00|06:00|07:00|08:00|09:00|10:00|11:00|12:00|13:00|14:00|15:00|16:00|17:00|18:00|
19:00|20:00|21:00|22:00|23:00| Max | SH | Min | Avg | STD | Cap |

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
94.7 95.3	87.1	-0.2	4.6	11.1
March 23 20:00	March 23 21:00	March 11 19:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for April 2018

Report Month: April 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:27:48 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	**33.0**	20.6	15.1	9.0	12.8	4.6	0.9	5.0	7.6	9.4	5.6	1.0	3.5	13.9	10.1	6.2	2.4	1.2	0.5	0.5	0.4	1.6	8.2	14.5	33.0	20.6	0.4	7.8	7.6	100.0
2	1.1	0.6	0.3	0.5	0.7	0.5	0.5	0.5	0.6	0.7	0.6	0.5	5.1	2.6	6.1	15.7	1.5	0.4	0.4	0.5	1.3	21.1	55.0	**57.4**	57.4	55.0	0.3	7.3	15.6	100.0
3	19.4	63.1	**120.0**	71.4	64.3	40.6	17.7	5.2	1.0	0.8	1.0	0.6	0.6	0.5	1.3	0.6	1.1	0.5	NOL	NOL	NOL	NOL	NOL	NOL	120.0	71.4	0.5	22.8	33.9	75.0
4	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	NOL	0.1	**0.2**	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	25.0
5	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.4	0.7	0.5	0.4	0.4	QAS	QAS	0.4	0.4	0.8	0.8	5.5	**18.6**	18.6	5.5	0.2	1.5	3.9	91.7
6	3.6	2.5	2.5	1.4	1.1	0.6	0.5	3.1	5.1	8.3	**8.4**	0.8	0.8	1.8	0.9	0.4	0.5	0.4	0.4	0.3	0.4	0.4	0.4	0.4	8.4	8.3	0.3	1.9	2.3	100.0
7	0.3	**0.4**	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.3	0.3	CAL	CAL	-0.1	-0.0	-0.1	0.4	0.4	-0.1	0.3	0.1	91.7
8	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	-0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.4	**2.9**	-0.0	-0.1	0.0	0.0	0.1	0.0	1.2	0.0	-0.1	2.9	1.2	-0.1	0.2	0.6	100.0
9	-0.0	-0.0	**0.9**	0.2	0.0	-0.0	0.0	-0.0	0.0	0.1	0.0	-0.0	-0.0	0.0	0.0	0.0	0.2	0.0	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	0.9	0.2	-0.2	0.0	0.2	100.0
10	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	**0.2**	0.2	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.0	-0.1	-0.2	-0.2	-0.1	-0.1	0.1	0.2	0.2	-0.2	-0.0	0.1	100.0
11	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.7	0.7	6.8	9.7	12.0	12.4	**34.3**	14.5	6.9	1.3	0.3	0.4	7.4	11.5	0.6	8.6	34.3	14.5	-0.1	5.3	7.8	100.0
12	16.6	10.1	9.3	14.1	4.0	7.9	2.5	4.9	1.6	0.7	15.8	33.9	8.4	2.3	5.3	7.6	14.0	1.6	0.2	0.3	0.6	19.4	57.1	**97.9**	97.9	57.1	0.2	14.0	21.5	100.0
13	95.2	**109.1**	85.5	62.0	58.1	61.2	27.2	2.3	6.3	PMA	22.1	14.9	45.8	20.0	2.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	7.0	1.8	109.1	95.2	-0.1	27.0	34.0	95.8
14	0.1	**0.4**	0.1	0.1	0.4	0.0	-0.0	0.0	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	SPN	SPN	0.0	0.0	0.1	0.4	0.4	-0.1	0.0	0.1	91.7
15	**0.1**	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.0	-0.0	0.1	0.1	-0.1	0.0	0.1	100.0
16	0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	0.2	0.1	0.2	**11.1**	7.4	5.5	4.3	6.0	3.1	1.3	4.6	0.9	0.2	0.1	9.9	0.6	0.4	11.1	9.9	0.0	2.3	3.3	100.0
17	0.4	0.3	0.3	0.5	0.7	3.5	4.9	0.7	0.6	0.4	0.4	10.8	9.0	**27.2**	10.6	3.6	12.3	21.8	4.9	5.8	13.9	4.2	9.2	3.5	27.2	21.8	0.3	6.2	7.0	100.0
18	**3.1**	0.6	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	-0.1	0.2	1.0	0.7	3.1	1.0	-0.1	0.4	0.6	100.0
19	**0.4**	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	-0.0	0.1	0.1	0.1	0.3	0.0	-0.1	-0.0	0.2	0.1	0.1	0.4	0.4	-0.1	0.1	0.1	100.0
20	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1	0.3	0.3	**0.5**	0.4	0.3	0.3	0.3	0.3	0.5	0.4	0.0	0.2	0.1	100.0
21	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.5	**0.7**	0.4	0.3	0.3	0.1	0.2	0.2	0.3											

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
																				SPN	SPN	0.2	0.2	0.1	0.7	0.5	0.1	0.3	0.1	91.7
22	**0.2**	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.1	-0.0	0.1	0.1	-0.1	0.1	0.1	0.2	0.2	0.2	-0.1	0.1	0.1	100.0
23	0.1	0.1	0.1	0.1	0.1	0.1	0.1	**0.2**	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.2	0.1	0.1	0.2	0.2	0.0	0.1	0.1	100.0
24	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.3	0.4	0.4	0.3	0.4	0.5	**0.9**	0.6	0.3	0.3	0.2	0.1	-0.0	0.2	0.2	0.1	0.9	0.6	-0.0	0.3	0.2	100.0
25	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.3	1.1	1.3	**2.4**	1.8	1.3	0.7	0.4	0.3	0.4	0.3	0.1	0.2	-0.0	0.2	0.1	0.1	2.4	1.8	-0.0	0.5	0.6	100.0
26	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	QAS	QAS	0.1	0.3	**0.7**	0.6	0.3	0.2	-0.0	-0.1	0.1	0.1	0.0	0.7	0.6	-0.1	0.2	0.2	91.7
27	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	**0.9**	0.5	0.2	0.2	0.1	0.2	0.2	0.2	0.1	-0.2	0.1	0.1	0.1	0.9	0.5	-0.2	0.2	0.2	100.0
28	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.3	0.2	0.3	0.2	0.7	17.8	**20.0**	6.8	1.4	SPN	SPN	0.1	0.1	0.1	20.0	17.8	0.1	2.3	5.4	91.7
29	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.7	**2.1**	1.6	0.8	0.5	0.5	0.4	0.6	0.6	0.5	0.3	0.1	0.1	0.2	0.3	2.1	1.6	0.1	0.4	0.5	100.0
30	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.3	0.2	6.8	9.7	6.8	1.6	**16.8**	8.6	4.8	6.7	0.4	0.5	0.3	5.3	6.8	4.1	16.8	9.7	0.0	3.4	4.3	100.0

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
120.0 April 3 02:00	109.1 April 13 01:00	-0.2 April 9 20:00	3.4	12.0	94.9

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for May 2018

Report Month: May 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:00 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	3.5	2.5	3.9	0.8	0.5	0.4	0.5	1.1	4.8	8.9	1.3	6.8	9.6	1.6	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.4	**9.7**	7.3	9.7	9.6	0.2	2.7	3.2	100.0
2	3.6	0.9	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.4	1.0	1.4	2.1	1.2	0.3	0.2	0.2	0.2	0.3	0.3	0.5	0.6	0.4	**4.4**	4.4	3.6	0.2	0.8	1.1	100.0
3	0.4	0.4	0.3	0.2	0.6	0.2	0.2	0.2	0.2	0.4	7.0	11.4	2.8	1.1	0.4	0.2	0.2	0.2	0.2	0.2	0.3	**15.0**	3.7	2.2	15.0	11.4	0.2	2.0	3.7	100.0
4	1.9	2.2	3.7	1.1	1.5	**4.2**	2.0	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.4	0.3	0.2	0.2	0.2	0.2	0.2	4.2	3.7	0.1	0.8	1.1	100.0
5	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	**0.3**	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	CAL	CAL	-0.1	-0.1	-0.0	0.3	0.3	-0.1	0.2	0.1	91.7
6	-0.0	-0.0	-0.1	0.0	0.0	-0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2	**0.3**	0.2	0.1	0.0	0.0	-0.1	-0.1	-0.0	0.3	0.2	-0.1	0.0	0.1	100.0
7	-0.0	-0.0	-0.0	-0.1	-0.0	-0.1	-0.1	0.1	0.1	0.1	0.1	0.0	0.0	2.1	**5.8**	1.8	0.1	0.1	0.0	0.1	-0.1	0.0	0.0	-0.0	5.8	2.1	-0.1	0.4	1.2	100.0
8	-0.0	0.0	-0.0	0.0	0.1	0.1	0.2	0.4	0.2	0.2	0.2	0.4	2.9	**4.3**	2.1	3.6	0.5	0.4	0.9	0.4	0.2	1.0	2.0	0.4	4.3	3.6	-0.0	0.9	1.2	100.0
9	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.3	3.2	**3.8**	1.4	1.2	0.1	0.1	0.8	1.3	1.3	0.9	0.2	0.3	3.8	3.2	0.1	0.7	1.0	100.0
10	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.3	0.4	13.0	10.8	**15.0**	10.2	7.9	0.3	0.1	0.1	0.1	-0.0	0.1	13.7	13.5	15.0	13.7	-0.0	3.7	5.5	100.0
11	0.8	2.8	9.7	21.8	37.7	18.1	19.7	17.5	3.1	3.1	6.7	21.9	19.6	18.9	**38.4**	34.7	10.1	0.3	0.3	0.3	0.3	0.2	3.4	13.1	38.4	37.7	0.2	12.6	12.0	100.0
12	20.0	33.3	34.8	**34.9**	18.2	12.7	18.0	29.7	6.5	15.1	9.6	13.8	5.3	5.2	0.4	21.7	0.3	0.3	0.3	SPN	SPN	0.5	3.4	1.6	34.9	34.8	0.3	13.0	11.7	91.7
13	0.5	0.4	0.2	0.2	0.2	0.2	0.5	9.5	**15.7**	12.7	8.0	7.4	4.0	2.0	0.3	0.1	0.2	0.2	0.2	0.3	0.3	0.2	3.3	3.5	15.7	12.7	0.1	2.9	4.4	100.0
14	4.0	4.8	4.6	1.4	0.5	0.3	0.2	0.2	1.2	1.7	2.2	1.0	**7.8**	5.5	3.8	3.0	4.6	0.7	0.6	0.3	0.4	0.3	0.2	0.2	7.8	5.5	0.2	2.1	2.1	100.0
15	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.5	0.5	0.5	0.7	0.7	**3.1**	0.5	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.7	3.0	0.9	3.1	3.0	0.1	0.6	0.8	100.0
16	0.4	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.3	1.1	**1.3**	0.6	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.2	1.3	1.1	0.1	0.4	0.3	100.0
17	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.5	0.5	0.5	1.2	0.9	**2.0**	1.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	1.2	0.1	0.5	0.4	100.0
18	0.4	0.2	0.2	0.3	0.7	2.0	0.5	0.3	1.7	7.7	4.1	18.3	13.8	20.1	0.7	3.0	0.5	0.3	0.3	0.4	0.5	1.5	10.6	**25.4**	25.4	20.1	0.2	4.7	7.2	100.0
19	5.8	0.9	0.5	6.2	10.3	1.2	4.3	2.6	2.2	4.4	11.1	1.3	17.3	4.2	8.6	6.7	0.5	0.4	0.3	SPN	SPN	0.3	0.3	**17.6**	17.6	17.3	0.3	4.9	5.1	91.7
20	16.4	3.2	0.5	0.4	1.3	0.5	1.8	2.3	12.9	**36.5**	10.9	12.3	12.3	27.6	5.3	0.4	17.2	2.2	0.5	0.3	0.1	0.1	0.1	0.1	36.5	27.6	0.1	6.9	9.5	100.0
21	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.3	1.2	6.4	40.7	43.9	32.4	13.9	43.7	**114.1**	59.1	30.2	6.9											

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
																				1.0	0.4	0.4	0.3	0.3	114.1	59.1	0.1	16.5	27.2	100.0
22	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.9	0.6	1.2	**26.0**	8.6	3.1	0.8	0.8	0.7	0.3	0.3	0.3	0.3	0.1	0.3	0.2	0.2	26.0	8.6	0.1	1.9	5.3	100.0
23	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.4	0.4	10.9	2.2	0.7	0.4	**11.7**	0.9	0.7	0.5	0.2	0.2	0.1	0.2	0.1	0.2	11.7	10.9	0.1	1.3	3.1	100.0
24	0.2	0.3	0.3	0.7	0.6	0.3	0.3	0.2	0.3	0.2	47.1	**49.6**	34.1	11.5	5.1	1.8	0.6	0.4	0.4	0.4	0.3	0.4	0.4	7.3	49.6	47.1	0.2	6.8	14.4	100.0
25	9.4	4.5	1.7	0.4	0.2	0.3	0.2	0.4	0.4	2.0	**22.8**	13.8	9.6	0.6	0.4	0.3	0.3	0.3	2.7	0.6	0.4	0.3	0.3	0.3	22.8	13.8	0.2	3.0	5.4	100.0
26	0.3	0.2	0.3	0.3	0.2	2.3	0.8	3.3	**4.6**	2.0	3.2	0.7	0.5	0.4	0.4	0.3	0.3	0.4	0.6	SPN	SPN	2.2	0.3	0.3	4.6	3.3	0.2	1.1	1.2	91.7
27	0.2	0.2	0.1	0.1	0.1	0.1	0.1	2.1	**8.2**	5.9	1.5	1.8	0.9	0.7	0.5	0.6	0.4	0.4	0.6	0.6	0.5	0.3	0.2	0.2	8.2	5.9	0.1	1.1	1.9	100.0
28	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.4	**0.6**	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.6	0.4	0.1	0.2	0.1	100.0
29	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.5	0.8	1.2	1.4	3.3	**83.4**	43.4	19.4	6.6	2.5	1.4	1.0	0.7	1.0	83.4	43.4	0.1	7.0	18.4	100.0
30	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	1.8	1.0	5.9	4.3	19.0	3.0	0.7	1.0	3.2	0.8	17.1	**19.6**	9.4	19.6	19.0	0.1	3.7	6.0	100.0
31	4.3	12.8	18.5	22.9	12.1	17.5	6.8	1.4	0.6	0.4	0.2	1.0	6.1	12.8	**32.6**	12.0	11.7	10.0	1.7	2.9	5.8	9.8	9.1	8.4	32.6	22.9	0.2	9.2	7.8	100.0

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
114.1 May 21 15:00	83.4 May 29 15:00	-0.1 May 5 21:00	3.6	9.0	98.9

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for June 2018

Report Month: June 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:10 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	7.6	5.4	4.8	3.8	2.0	1.5	0.5	0.2	0.2	PMA	0.2	2.0	9.9	5.7	11.7	**28.4**	6.9	6.0	0.7	0.9	1.8	3.5	6.6	1.3	28.4	11.7	0.2	4.9	5.9	95.8
2	0.5	0.4	0.5	0.7	0.7	1.0	0.8	0.3	0.3	0.3	1.0	10.1	9.3	**12.0**	1.5	3.6	1.1	0.4	0.3	CAL	CAL	0.2	0.2	0.1	12.0	10.1	0.1	2.1	3.4	91.7
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	**3.2**	3.2	1.1	0.5	0.5	0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.1	0.1	3.2	3.2	0.0	0.4	0.9	100.0
4	0.0	0.1	0.1	-0.0	-0.0	0.1	0.1	1.4	**1.5**	0.9	0.7	0.5	0.4	0.3	0.5	0.3	0.2	0.3	0.2	0.2	0.2	0.1	-0.0	0.1	1.5	1.4	0.0	0.3	0.4	100.0
5	0.0	0.0	-0.0	0.1	0.1	0.0	0.1	0.0	0.0	1.9	4.0	4.3	2.1	4.9	30.1	**99.9**	58.4	8.9	3.8	2.3	1.5	0.8	0.5	0.4	99.9	58.4	0.0	9.3	22.7	100.0
6	0.2	0.1	0.1	0.1	0.1	0.0	0.5	1.6	**3.9**	3.3	0.6	0.5	0.5	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.7	0.2	3.9	3.3	0.0	0.6	1.0	100.0
7	0.2	0.2	0.1	0.2	0.1	0.3	1.0	4.1	1.0	0.6	**10.8**	PMA	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.0	0.6	1.6	3.8	10.8	4.1	0.0	1.1	2.3	95.8
8	1.2	0.4	0.1	0.2	0.7	0.8	1.7	1.3	0.4	3.8	2.1	2.3	12.7	**21.1**	2.9	2.4	7.4	0.6	0.2	0.2	-0.2	0.1	0.3	0.3	21.1	12.7	-0.2	2.6	4.8	100.0
9	0.7	0.1	0.1	0.1	0.0	0.2	0.0	0.0	-0.0	-0.1	1.4	3.6	6.1	7.9	2.3	1.1	6.2	0.2	0.1	SPN	SPN	2.6	14.1	**20.1**	20.1	14.1	-0.1	3.0	5.1	91.7
10	6.6	0.5	0.3	0.3	0.3	0.4	0.9	0.8	0.6	0.3	0.1	0.3	0.1	0.2	0.1	0.1	7.7	18.3	1.6	0.4	0.1	0.2	10.2	**23.4**	23.4	18.3	0.1	3.1	6.0	100.0
11	18.1	8.0	7.1	10.9	25.2	27.4	5.4	2.7	0.7	0.4	0.2	0.3	15.2	12.0	1.2	12.0	5.4	0.4	0.4	0.5	0.5	0.3	26.6	**38.6**	38.6	27.4	0.2	9.1	10.7	100.0
12	9.7	1.5	0.7	10.1	2.8	1.2	2.6	0.5	0.2	0.1	0.3	2.0	7.7	8.8	23.4	3.4	0.5	7.3	0.3	0.4	0.6	7.7	**30.1**	3.7	30.1	23.4	0.1	5.2	7.3	100.0
13	1.7	0.6	0.3	0.4	0.3	0.4	0.4	0.4	1.1	0.9	0.4	0.3	0.3	0.3	2.8	3.0	0.5	0.3	1.9	**4.7**	1.8	0.6	0.6	0.3	4.7	3.0	0.3	1.0	1.1	100.0
14	0.3	7.6	0.6	1.6	0.4	0.8	0.5	0.3	0.2	0.3	0.2	2.9	6.5	25.7	13.8	PMA	3.3	0.3	0.4	0.3	0.4	0.2	0.4	**27.1**	27.1	25.7	0.2	4.1	7.6	95.8
15	7.8	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.9	0.3	1.3	13.2	31.2	**41.5**	2.5	0.6	0.4	0.3	0.2	0.3	0.4	0.4	0.4	4.5	41.5	31.2	0.2	4.5	10.2	100.0
16	**29.4**	22.9	18.2	20.3	9.7	4.9	6.9	13.2	1.9	12.5	3.0	2.5	0.3	0.1	0.3	0.3	0.3	0.3	0.4	SPN	SPN	0.3	0.3	0.3	29.4	22.9	0.1	6.7	8.7	91.7
17	0.3	0.3	0.5	**1.1**	0.8	0.5	0.4	0.2	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	1.1	0.8	0.1	0.3	0.2	100.0
18	0.1	0.3	0.2	0.1	0.1	0.2	0.3	**0.6**	0.4	0.2	0.2	0.1	-0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.2	0.2	0.3	0.6	0.4	-0.0	0.2	0.1	100.0
19	0.1	0.3	**0.4**	0.3	0.4	0.3	0.2	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.4	0.2	0.3	0.2	0.4	0.4	0.1	0.3	0.1	100.0
20	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.3	0.4	0.3	0.5	0.7	0.3	0.9	0.9	**1.1**	0.5	0.4	0.6	0.3	0.3	0.4	1.1	0.9	0.1	0.4	0.3	100.0
21	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	PMA	**0.6**	0.4	0.4	0.3	0.4											

																				0.4	0.4	0.5	0.3	0.5	0.6	0.5	0.2	0.3	0.1	95.8
22	0.4	0.4	0.5	0.6	**0.8**	0.4	0.5	0.3	0.5	0.6	QAS	QAS	QAS	0.6	0.6	0.4	0.4	0.5	0.6	0.5	0.5	0.3	0.2	0.4	0.8	0.6	0.2	0.5	0.1	87.5
23	1.4	1.7	0.8	0.5	0.6	0.7	1.5	1.2	0.9	0.7	2.7	10.2	11.2	25.3	5.3	24.9	**29.7**	11.2	4.4	SPN	SPN	0.5	26.4	5.4	29.7	26.4	0.5	7.6	9.6	91.7
24	0.9	1.8	0.3	17.8	25.9	36.1	**52.8**	3.8	0.8	0.5	PMA	11.2	30.2	44.0	20.8	27.6	18.9	1.6	4.0	0.5	0.6	0.3	0.4	1.5	52.8	44.0	0.3	13.1	15.7	95.8
25	PMA	PMA	**70.4**	4.4	0.5	0.2	0.1	0.1	0.2	PMA	PMA	CAL	CAL	CAL	20.2	7.6	2.2	2.3	1.3	4.4	1.9	3.8	2.5	3.1	70.4	20.2	0.1	7.4	16.4	70.8
26	1.0	0.3	0.1	0.0	0.1	0.1	-0.1	0.0	0.0	0.1	-0.0	0.2	0.2	0.3	4.3	3.0	0.1	0.1	0.2	0.1	-0.1	6.2	**30.7**	12.5	30.7	12.5	-0.1	2.5	6.5	100.0
27	1.1	0.3	0.2	0.1	-0.0	-0.0	1.0	0.8	0.1	0.0	-0.2	0.0	1.4	0.9	5.3	0.8	**10.5**	8.3	0.2	0.2	9.7	1.5	0.1	0.0	10.5	9.7	-0.2	1.8	3.1	100.0
28	0.0	0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	PMA	3.2	0.8	19.7	**31.6**	27.1	1.9	0.8	5.3	0.1	0.4	4.9	10.5	0.7	31.6	27.1	-0.2	4.6	8.9	95.8
29	0.8	2.1	2.9	4.6	0.5	0.3	3.1	2.0	0.5	0.3	0.4	6.2	0.4	-0.2	-0.2	0.0	10.9	6.6	1.1	0.1	-0.0	3.4	**11.1**	1.2	11.1	10.9	-0.2	2.4	3.2	100.0
30	0.2	0.2	0.0	-0.0	-0.1	0.0	0.2	0.3	0.1	-0.0	9.5	4.9	7.2	11.1	16.6	**19.5**	15.0	8.9	0.4	CAL	CAL	3.1	7.4	6.5	19.5	16.6	-0.1	5.0	6.0	91.7
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
99.9 June 5 15:00	70.4 June 25 02:00	-0.2 June 8 20:00	3.4	8.4	96.4

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for July 2018

Report Month: July 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:20 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	8.7	6.5	**13.1**	4.4	0.5	0.6	0.9	0.8	0.5	3.4	0.6	0.3	7.2	10.7	3.2	3.3	8.4	6.3	0.3	1.3	8.1	0.4	0.3	0.2	13.1	10.7	0.2	3.7	3.8	100.0
2	0.2	0.1	0.2	0.0	0.1	0.2	0.2	0.2	0.0	0.1	0.3	8.8	5.7	14.1	**16.9**	10.8	10.8	11.8	3.0	4.0	0.4	1.5	2.9	0.5	16.9	14.1	0.0	3.9	5.2	100.0
3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	2.7	2.7	4.3	2.6	4.3	**22.0**	1.2	0.9	1.1	1.3	2.8	1.8	0.4	0.4	0.2	0.2	0.6	22.0	4.3	0.1	2.1	4.3	100.0
4	1.0	0.6	0.8	0.8	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.0	-0.0	0.1	0.1	**1.5**	0.1	-0.0	0.0	0.1	0.1	0.1	0.1	1.5	1.0	0.0	0.3	0.4	100.0
5	0.0	-0.0	0.1	-0.0	-0.1	-0.1	-0.1	0.3	1.6	1.6	**2.3**	1.0	0.2	0.1	0.7	0.4	0.2	0.0	1.7	0.9	0.3	-0.1	0.0	0.1	2.3	1.7	-0.1	0.5	0.7	100.0
6	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	**37.1**	7.9	0.4	0.1	0.1	0.1	0.0	0.0	SPZ	-0.0	0.0	-0.0	37.1	7.9	0.0	2.0	7.6	95.8
7	-0.0	0.1	0.0	-0.1	-0.0	0.0	-0.0	-0.1	-0.0	0.1	0.1	0.1	0.1	2.0	**2.3**	2.2	0.2	0.1	0.1	SPN	SPN	0.0	0.1	0.1	2.3	2.2	-0.1	0.3	0.7	91.7
8	0.1	0.1	0.0	0.1	0.0	-0.0	0.1	-0.0	0.1	0.2	0.0	0.1	0.2	0.1	0.1	0.1	1.1	**2.6**	2.3	1.5	0.3	0.1	0.0	-0.0	2.6	2.3	0.0	0.4	0.7	100.0
9	-0.0	-0.1	0.0	-0.0	-0.0	0.1	0.0	-0.0	0.0	0.1	0.2	0.0	2.3	9.4	**10.0**	1.8	0.3	0.2	0.1	0.1	0.2	-0.0	-0.0	0.1	10.0	9.4	-0.1	1.0	2.7	100.0
10	-0.1	0.0	-0.0	-0.0	0.0	-0.1	-0.0	0.2	0.4	0.6	0.5	0.5	0.0	0.1	0.2	0.2	0.2	0.3	**0.7**	0.4	0.2	-0.0	0.1	0.1	0.7	0.6	-0.1	0.2	0.2	100.0
11	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.8	0.5	0.3	0.1	0.1	0.2	0.7	**1.0**	0.1	0.2	0.2	0.3	0.1	0.1	0.1	1.0	0.8	0.0	0.2	0.3	100.0
12	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	PMA	0.4	0.4	**0.6**	0.2	0.1	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.6	0.4	0.0	0.2	0.2	95.8
13	0.1	0.1	-0.0	-0.1	0.1	-0.2	-0.1	-0.0	0.2	0.2	0.2	0.4	**2.9**	0.8	0.7	0.6	0.2	0.4	0.1	0.1	0.2	0.1	0.1	0.0	2.9	0.8	-0.2	0.3	0.6	100.0
14	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.2	0.2	0.4	0.2	0.3	6.2	**17.5**	1.1	4.2	1.1	0.4	SPN	SPN	0.4	2.4	0.4	17.5	6.2	0.0	1.6	3.8	91.7
15	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.3	**0.8**	0.3	0.4	0.8	0.4	0.1	0.3	0.1	100.0
16	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.4	0.4	**0.5**	0.5	0.5	0.5	0.4	0.2	0.4	0.4	0.2	0.3	0.2	0.2	0.2	0.5	0.5	0.1	0.3	0.1	100.0
17	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.2	1.0	0.8	0.7	0.7	0.5	0.4	0.5	0.4	0.4	0.6	1.2	1.7	0.6	**4.1**	3.6	0.5	4.1	3.6	0.1	0.8	1.0	100.0
18	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.8	0.8	0.7	4.7	0.9	13.3	5.3	1.0	0.4	0.6	0.6	1.0	**16.7**	6.5	0.6	16.7	13.3	0.2	2.4	4.2	100.0
19	0.4	0.4	0.4	0.5	0.4	0.3	0.2	0.3	0.3	0.3	0.5	0.5	0.3	0.2	0.4	0.4	0.3	0.3	0.2	0.2	3.8	**5.1**	0.4	0.3	5.1	3.8	0.2	0.7	1.2	100.0
20	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.6	0.7	0.6	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.2	**1.3**	0.5	0.2	0.2	1.3	0.7	0.2	0.4	0.2	100.0
21	0.4	0.3	0.4	0.3	0.3	0.2	0.2	0.6	**1.0**	1.0	0.7	0.9	0.8	0.7	0.6	0.5	0.8	0.7	0.8											

																				SPN	SPN	0.4	0.5	0.3	1.0	1.0	0.2	0.6	0.3	91.7
22	0.5	0.5	0.4	0.4	0.3	0.4	0.4	0.8	1.0	1.1	1.0	1.1	0.9	0.9	0.9	0.8	1.0	0.8	0.8	0.7	1.3	1.5	**1.7**	0.9	1.7	1.5	0.3	0.8	0.4	100.0
23	0.7	0.5	0.8	0.7	0.5	0.6	0.8	0.9	0.7	0.7	4.7	19.3	**28.2**	7.5	1.3	0.7	0.8	1.3	0.7	0.6	0.4	0.7	0.5	0.9	28.2	19.3	0.4	3.1	6.5	100.0
24	0.7	0.8	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.7	**1.0**	0.9	0.5	0.6	0.5	0.6	0.5	0.5	0.4	0.4	0.3	0.4	0.2	0.4	1.0	0.9	0.2	0.5	0.2	100.0
25	0.4	0.4	0.3	0.3	0.2	0.2	0.4	0.4	0.6	PMA	**8.7**	7.8	3.8	1.0	0.9	0.7	0.5	0.4	0.5	0.4	0.2	0.5	1.0	0.7	8.7	7.8	0.2	1.3	2.3	95.8
26	0.5	0.5	0.5	0.4	0.4	0.3	1.3	5.6	3.4	0.9	0.8	1.0	35.2	45.4	**80.0**	33.7	3.7	1.3	0.8	0.8	1.4	1.6	1.3	0.9	80.0	45.4	0.3	9.2	19.2	100.0
27	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.6	1.0	1.2	0.9	0.8	0.8	1.3	**25.3**	14.7	2.4	0.9	0.5	0.6	0.5	0.5	0.3	4.4	25.3	14.7	0.3	2.5	5.5	100.0
28	1.3	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	1.8	**2.3**	1.4	0.9	0.7	0.6	0.6	0.4	CAL	CAL	0.3	0.3	0.3	2.3	1.8	0.3	0.7	0.5	91.7
29	0.6	0.4	0.1	0.1	0.1	0.1	0.1	0.3	**2.2**	1.0	1.3	1.2	0.4	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.5	0.7	0.5	0.3	2.2	1.3	0.1	0.5	0.5	100.0
30	0.1	0.1	0.4	0.8	**1.0**	0.6	0.4	0.4	QAS	QAS	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.4	0.6	0.5	0.5	0.2	0.1	0.2	1.0	0.8	0.1	0.4	0.2	91.7
31	0.1	0.1	0.1	0.0	0.1	0.8	**13.4**	4.5	8.2	2.1	1.2	5.9	1.1	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.1	13.4	8.2	0.0	1.7	3.2	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
80.0 July 26 14:00	45.4 July 26 13:00	-0.2 July 13 05:00	1.4	4.8	98.3

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for August 2018

Report Month: August 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:32 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.4	**2.3**	1.3	0.1	-0.2	1.0	1.1	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	2.3	1.3	-0.2	0.4	0.5	100.0
2	0.1	-0.0	0.0	-0.0	0.0	-0.0	0.0	**0.5**	0.4	0.4	0.4	0.4	0.2	0.3	0.1	0.2	0.2	0.1	0.3	0.1	0.2	0.2	0.2	0.2	0.5	0.4	-0.0	0.2	0.2	100.0
3	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.4	0.2	0.6	0.8	0.6	0.7	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.1	0.2	0.4	**3.5**	3.5	0.8	0.0	0.4	0.7	100.0
4	7.5	**17.5**	2.7	0.8	0.4	0.3	0.8	0.3	2.8	4.5	0.5	0.4	0.3	0.4	0.3	0.2	0.1	0.3	0.3	SPN	SPN	9.4	7.0	6.5	17.5	9.4	0.1	2.9	4.3	91.7
5	4.0	6.4	14.6	19.1	19.9	24.4	14.0	19.4	9.0	8.3	20.2	16.8	**25.8**	25.3	4.1	0.6	0.4	0.4	0.5	0.5	0.5	2.0	3.5	12.0	25.8	25.3	0.4	10.5	8.9	100.0
6	**25.9**	10.1	2.1	7.4	3.3	2.3	4.0	5.9	2.4	24.9	8.9	2.2	0.8	4.9	0.8	0.5	0.3	0.6	5.3	6.3	0.6	0.4	0.6	0.5	25.9	24.9	0.3	5.0	6.8	100.0
7	0.6	0.3	0.3	0.8	**30.2**	2.5	0.9	0.6	0.4	0.4	0.4	0.3	0.6	4.4	1.0	0.3	0.6	16.9	11.3	4.2	0.5	2.8	9.0	27.0	30.2	27.0	0.3	4.8	8.2	100.0
8	**29.6**	12.3	1.4	0.8	0.5	0.4	0.4	0.4	1.2	1.6	0.6	0.4	0.3	0.3	0.6	4.1	0.3	2.0	0.8	2.0	0.4	0.6	1.8	4.5	29.6	12.3	0.3	2.8	6.1	100.0
9	0.8	0.5	0.5	0.5	0.4	0.3	0.4	0.5	1.0	1.2	0.8	0.9	0.7	3.4	15.3	5.5	0.8	11.8	**21.2**	9.3	1.1	1.1	0.7	0.5	21.2	15.3	0.3	3.3	5.4	100.0
10	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.5	0.1	0.4	0.4	0.4	0.4	0.4	22.8	**24.4**	14.8	12.2	4.0	2.5	1.7	0.6	24.4	22.8	0.1	3.7	7.0	100.0
11	0.4	0.4	0.3	0.3	0.2	0.3	0.1	0.2	0.3	0.2	0.3	3.3	6.3	2.3	1.2	17.8	**98.4**	45.2	7.3	SPN	SPN	3.8	1.5	1.4	98.4	45.2	0.1	8.7	21.9	91.7
12	1.1	1.1	1.2	1.2	1.2	1.3	**1.4**	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.3	1.4	1.0	1.0	1.1	1.1	1.0	1.0	0.9	1.0	1.4	1.4	0.9	1.1	0.1	100.0
13	1.0	1.1	1.5	3.0	10.8	17.0	12.1	8.7	2.2	1.7	1.4	1.4	1.5	1.4	2.8	27.7	3.4	1.7	1.2	1.3	0.9	1.3	24.2	**31.6**	31.6	27.7	0.9	6.7	9.0	100.0
14	**19.6**	9.9	1.7	1.4	1.3	1.2	1.2	1.2	1.5	1.5	PMA	PMA	2.4	1.8	10.8	9.1	2.2	1.7	1.2	1.1	1.0	2.9	14.6	9.5	19.6	14.6	1.0	4.5	5.2	91.7
15	7.7	2.4	1.2	2.3	4.0	1.5	1.3	1.4	2.8	1.8	1.1	1.1	1.3	1.3	2.9	1.4	1.2	1.9	1.6	1.3	1.2	7.0	**11.6**	4.7	11.6	7.7	1.1	2.8	2.5	100.0
16	1.8	1.4	1.2	1.4	1.4	1.2	1.3	1.1	1.1	1.1	1.1	1.4	5.5	2.0	15.9	2.0	1.8	1.2	1.3	1.1	1.2	14.1	**20.2**	3.8	20.2	15.9	1.1	3.6	5.2	100.0
17	1.5	1.4	1.5	1.4	1.2	1.1	1.2	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	**4.5**	4.2	1.4	1.5	4.5	4.2	1.0	1.5	0.9	100.0
18	3.2	3.8	2.1	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.3	1.5	1.5	1.6	**13.4**	1.8	2.0	1.7	1.4	SPN	SPN	0.1	0.0	0.2	13.4	3.8	0.0	2.0	2.6	91.7
19	0.2	0.3	0.2	0.3	0.2	0.1	0.0	0.0	-0.0	0.0	-0.1	0.1	2.1	1.3	0.0	-0.0	-0.1	-0.0	0.0	0.4	**13.2**	4.0	0.1	0.1	13.2	4.0	-0.1	0.9	2.7	100.0
20	0.2	0.9	**1.5**	1.0	0.5	-0.1	0.0	0.0	-0.1	-0.0	0.2	0.5	0.4	0.2	PMA	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	1.5	1.0	-0.1	0.4	0.5	58.3
21	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	SPN	SPN	0.8	0.8	0.8	0.9	0.8	0.8	0.8											

0.6	0.7	**1.1**	0.9	0.9	1.1	0.9	0.6	0.8	0.1	50.0															
22	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.9	0.8	0.8	0.9	1.3	**3.0**	2.5	2.3	2.2	1.5	0.8	0.8						
0.7	0.6	0.8	0.9	0.9	3.0	2.5	0.6	1.1	0.7	100.0															
23	0.8	0.9	0.9	0.8	0.8	0.8	0.7	1.0	0.8	0.8	0.9	7.0	35.3	**159.8**	25.0	34.0	1.7	1.3	1.3						
1.6	1.6	1.3	0.9	0.8	159.8	35.3	0.7	11.7	32.5	100.0															
24	1.0	1.1	1.1	9.3	5.0	9.7	4.6	9.7	2.2	1.4	5.6	23.0	34.6	**65.7**	29.1	5.5	1.2	1.0	1.0						
1.0	1.1	1.0	13.6	25.3	65.7	34.6	1.0	10.6	15.0	100.0															
25	16.0	11.7	8.0	1.4	1.1	1.1	1.0	1.6	1.3	1.2	7.5	**39.6**	15.4	3.2	1.2	0.9	0.8	0.8	1.0						
CAL	CAL	0.3	0.2	0.2	39.6	16.0	0.2	5.3	8.9	91.7															
26	12.3	3.3	0.5	1.3	1.3	1.0	0.5	1.4	11.9	**32.0**	18.0	9.9	3.5	2.4	0.3	0.2	23.1	0.2	0.2						
0.2	0.3	0.4	4.6	24.0	32.0	24.0	0.2	6.4	9.0	100.0															
27	27.1	20.0	10.2	15.0	5.7	4.0	6.6	4.8	15.5	33.6	31.3	9.5	**45.5**	32.8	5.4	0.6	6.2	0.6	0.3						
0.2	0.2	5.5	0.4	9.1	45.5	33.6	0.2	12.1	12.6	100.0															
28	38.0	24.2	3.4	15.4	9.6	3.1	1.0	2.7	4.7	22.8	10.5	4.1	32.1	**39.5**	6.8	0.5	0.5	0.3	0.8						
3.2	0.5	2.3	17.1	1.0	39.5	38.0	0.3	10.2	12.1	100.0															
29	0.6	7.8	6.4	1.4	1.2	1.4	4.4	4.6	1.6	0.8	0.7	**29.3**	4.8	7.3	9.3	3.0	0.7	5.5	2.9						
0.7	0.3	0.2	0.2	6.0	29.3	9.3	0.2	4.2	5.9	100.0															
30	5.4	0.6	0.1	0.1	0.2	0.2	0.1	0.5	4.8	**23.0**	9.1	0.5	0.1	0.3	0.2	0.2	0.3	0.2	0.1						
0.3	0.2	0.3	0.3	0.3	23.0	9.1	0.1	2.0	4.9	100.0															
31	0.2	0.2	0.6	0.3	0.2	0.2	0.4	0.4	0.5	13.3	**25.7**	5.0	1.4	0.7	1.5	1.0	0.5	0.8	1.0						
2.0	1.5	0.8	0.4	0.4	25.7	13.3	0.2	2.5	5.5	100.0															

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
159.8 95.7 August 23 13:00	98.4 August 11 16:00	-0.2 August 1 12:00	4.4	10.3

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for September 2018

Report Month: September 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:43 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.4	0.3	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	**0.7**	0.3	0.3	0.2	0.1	0.2	SPN	SPN	0.7	0.4	0.4	0.7	0.7	0.1	0.3	0.2	91.7
2	0.3	**0.4**	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.1	0.3	0.3	0.4	0.4	0.4	0.1	0.3	0.1	100.0
3	0.3	0.4	0.6	0.5	0.4	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.0	**1.3**	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.3	1.3	0.6	0.0	0.3	0.2	100.0
4	0.2	0.3	0.2	0.2	0.2	0.4	0.6	0.5	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.5	**2.9**	1.9	1.0	0.6	0.6	0.4	0.4	2.9	1.9	0.2	0.5	0.6	100.0
5	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.4	4.8	4.1	**22.5**	10.0	4.1	0.9	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.4	22.5	10.0	0.2	2.2	4.8	100.0
6	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.4	0.3	0.4	1.1	0.8	0.3	0.4	0.5	0.5	1.1	0.5	**1.5**	0.9	0.8	0.5	0.4	1.5	1.1	0.2	0.5	0.3	100.0
7	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.5	0.5	PMA	2.4	**6.0**	1.5	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.1	2.1	0.9	0.5	6.0	2.4	0.1	0.9	1.2	95.8
8	0.3	0.3	**0.5**	0.4	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.4	0.1	0.3	0.3	0.2	SPN	SPN	-0.0	-0.0	-0.1	0.5	0.4	-0.1	0.3	0.1	91.7
9	-0.0	-0.1	-0.1	-0.1	-0.0	-0.1	-0.0	0.1	0.3	**0.7**	0.6	0.4	0.0	-0.1	0.0	-0.1	0.1	-0.2	-0.0	-0.0	NEG	-0.1	-0.0	0.0	0.7	0.6	-0.2	0.1	0.2	95.8
10	-0.1	-0.1	**-0.0**	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.2	-0.1	-0.1	-0.0	-0.0	-0.3	-0.1	0.1	100.0
11	-0.2	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	**0.0**	-0.1	-0.0	-0.0	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	0.0	0.0	-0.2	-0.0	0.1	100.0
12	-0.1	-0.1	0.0	-0.0	-0.1	-0.0	-0.1	-0.0	-0.1	0.0	0.2	0.2	**0.3**	0.2	0.1	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	0.0	-0.1	0.3	0.2	-0.1	-0.0	0.1	100.0
13	-0.1	**-0.0**	-0.1	-0.0	-0.1	-0.2	-0.2	-0.1	-0.1	-0.0	-0.1	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	-0.0	-0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.0	-0.0	-0.2	-0.1	0.1	100.0
14	-0.1	-0.1	-0.1	-0.0	-0.1	-0.0	-0.1	0.1	0.1	0.6	0.3	0.2	0.0	0.0	0.1	0.1	**1.4**	1.0	0.0	-0.0	-0.0	-0.1	-0.1	-0.2	1.4	1.0	-0.2	0.1	0.4	100.0
15	-0.1	-0.1	-0.1	-0.0	-0.1	-0.0	-0.1	-0.0	0.1	0.2	0.2	0.1	-0.1	-0.1	-0.0	1.4	**3.5**	2.1	0.8	SPN	SPN	0.0	0.1	0.1	3.5	2.1	-0.1	0.4	0.9	91.7
16	0.1	0.1	0.1	-0.0	0.1	-0.0	0.1	0.1	0.5	0.7	0.7	0.6	0.5	0.4	1.8	**3.0**	2.4	1.2	0.3	0.2	0.1	0.0	0.1	0.1	3.0	2.4	-0.0	0.5	0.8	100.0
17	0.1	0.0	0.2	0.0	0.1	0.1	0.2	0.1	0.5	0.7	7.6	**30.8**	19.8	11.8	6.2	4.8	2.9	0.7	0.3	0.2	0.3	0.2	-0.1	0.0	30.8	19.8	-0.1	3.6	7.3	100.0
18	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.3	9.6	11.3	68.2	**77.8**	3.2	3.2	2.0	1.0	2.3	1.7	1.2	1.2	0.6	77.8	68.2	0.0	7.7	19.9	100.0
19	0.3	0.2	0.2	0.1	0.1	0.0	0.1	0.2	0.4	0.2	4.4	QAS	QAS	**5.5**	1.0	4.2	0.4	0.4	0.5	0.3	0.1	0.0	0.1	-0.0	5.5	4.4	0.0	0.8	1.6	91.7
20	0.3	0.1	0.1	0.0	-0.0	0.0	0.0	-0.0	0.0	1.4	7.9	3.3	8.4	1.4	0.8	0.2	3.5	3.6	1.8	1.4	**11.8**	3.9	0.9	1.3	11.8	8.4	0.0	2.2	3.0	100.0
21	6.6	2.6	10.5	5.9	3.7	7.8	1.3	0.5	0.4	0.4	2.4	1.0	0.4	0.2	**15.6**	4.9	0.6	0.3	0.2											

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
																				-0.1	0.2	0.1	0.1	0.1	15.6	10.5	-0.1	2.7	3.9	100.0
22	0.1	0.1	0.1	0.1	0.0	0.1	5.2	**7.4**	0.9	0.4	0.2	0.1	0.1	0.1	2.4	1.8	1.9	1.5	0.4	CAL	CAL	0.2	0.1	0.1	7.4	5.2	0.0	1.1	1.8	91.7
23	0.0	0.1	-0.0	0.1	-0.0	0.1	0.0	0.0	0.0	0.9	**5.2**	2.7	1.4	0.3	1.0	0.3	0.1	0.2	1.2	2.5	1.4	0.7	0.4	0.3	5.2	2.7	0.0	0.8	1.2	100.0
24	0.1	0.1	0.2	**0.3**	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	-0.0	0.0	0.3	0.2	0.0	0.1	0.1	100.0
25	3.8	**7.9**	1.8	1.1	0.5	0.6	0.5	1.8	6.6	2.2	0.4	0.2	0.2	0.2	1.1	2.1	0.5	0.9	0.3	0.1	0.2	0.0	0.0	0.1	7.9	6.6	0.0	1.4	2.0	100.0
26	0.1	0.1	0.2	0.4	0.1	0.0	0.0	0.0	-0.0	-0.0	0.1	0.0	0.0	-0.0	0.0	0.4	**0.5**	0.3	0.3	0.2	-0.0	0.1	0.0	0.1	0.5	0.4	0.0	0.1	0.2	100.0
27	0.3	0.4	1.0	0.7	0.1	-0.0	0.0	0.1	0.2	1.8	**4.9**	1.6	0.3	0.1	0.1	0.2	0.1	0.4	0.2	-0.0	-0.1	-0.1	-0.0	0.1	4.9	1.8	-0.1	0.5	1.0	100.0
28	0.0	0.1	0.0	0.0	0.0	-0.0	0.0	0.1	0.1	0.2	1.3	2.8	1.9	18.9	**39.5**	22.5	2.4	0.5	0.2	0.1	-0.2	-0.1	-0.1	-0.1	39.5	22.5	-0.2	3.8	9.4	100.0
29	-0.1	0.0	-0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.2	0.4	0.3	0.3	0.2	SPN	SPN	**1.4**	1.2	0.3	1.4	1.2	-0.1	0.3	0.4	91.7
30	0.1	-0.0	0.0	-0.0	0.0	0.1	0.0	0.1	**0.3**	0.3	0.1	0.1	0.1	0.1	-0.1	0.1	-0.0	0.1	-0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.3	-0.1	0.1	0.1	100.0

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
77.8 September 18 14:00	68.2 September 18 13:00	-0.3 September 10 20:00	1.1	4.8	98.1

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for October 2018

Report Month: October 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:28:56 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.0	-0.0	0.0	0.0	**2.0**	0.6	0.2	0.2	0.3	0.9	0.7	0.2	0.0	0.0	0.1	0.1	0.6	0.1	0.0	0.1	-0.1	0.1	0.1	0.1	2.0	0.9	-0.1	0.3	0.4	100.0
2	0.0	-0.0	0.0	0.1	-0.0	0.0	-0.1	0.1	0.4	6.9	**8.6**	4.2	3.3	3.3	8.4	0.7	0.2	0.2	0.2	0.1	-0.0	0.2	0.0	0.1	8.6	8.4	-0.1	1.5	2.7	100.0
3	0.2	**18.5**	10.2	3.2	1.0	0.4	0.3	1.7	3.3	5.4	16.3	2.2	2.7	11.4	1.5	0.8	0.4	0.2	0.2	0.2	-0.0	0.3	3.2	10.4	18.5	16.3	-0.0	3.9	5.3	100.0
4	5.7	0.8	0.3	0.2	0.1	0.2	0.1	0.4	1.0	2.1	2.5	2.1	**12.9**	1.0	1.3	0.2	-0.0	0.1	0.1	NEG	-0.0	0.1	0.1	1.2	12.9	5.7	-0.0	1.4	2.8	95.8
5	4.2	1.0	0.3	0.5	1.3	1.4	1.7	2.3	1.5	7.0	1.5	0.4	0.1	2.0	0.4	0.2	0.1	0.1	0.2	0.2	0.1	0.3	0.3	**21.3**	21.3	7.0	0.1	2.0	4.3	100.0
6	**12.6**	5.6	5.0	3.4	1.4	0.5	0.3	0.8	5.2	3.7	4.7	11.3	5.4	0.4	0.2	0.3	0.3	0.2	0.1	SPN	SPN	0.0	0.0	-0.0	12.6	11.3	0.0	2.8	3.6	91.7
7	-0.0	-0.1	-0.1	1.1	**3.8**	2.4	0.4	0.1	0.0	0.1	0.0	0.3	0.8	-0.0	-0.0	0.1	0.0	-0.0	0.1	-0.1	-0.1	-0.0	0.0	-0.0	3.8	2.4	-0.1	0.4	0.9	100.0
8	-0.1	-0.1	-0.0	-0.1	0.1	-0.0	0.1	0.3	0.2	0.1	0.1	0.0	0.0	-0.0	0.1	0.3	**0.8**	0.0	0.0	0.0	SPZ	-0.1	0.0	-0.2	0.8	0.3	-0.2	0.1	0.2	95.8
9	0.1	-0.0	-0.0	0.1	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.1	**0.4**	0.1	-0.0	-0.0	-0.1	-0.0	0.0	-0.1	0.0	-0.1	0.4	0.1	-0.1	0.0	0.1	100.0
10	-0.0	0.0	0.0	0.1	0.1	-0.0	-0.0	-0.0	0.0	0.0	0.1	0.1	-0.0	0.1	0.1	**0.2**	0.0	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3	-0.3	0.2	0.1	-0.3	-0.0	0.1	100.0
11	-0.3	-0.1	-0.1	-0.0	-0.0	-0.2	-0.1	-0.0	-0.0	0.2	PMA	PMA	0.3	**0.5**	0.1	0.1	0.0	-0.0	-0.1	-0.2	-0.1	-0.2	-0.1	-0.1	0.5	0.3	-0.3	-0.0	0.2	91.7
12	-0.0	-0.1	-0.0	0.1	0.2	0.2	0.2	0.2	0.0	0.2	0.1	-0.0	0.0	0.1	0.2	0.2	0.2	0.2	**0.3**	0.2	0.1	-0.0	-0.1	-0.1	0.3	0.2	-0.1	0.1	0.1	100.0
13	-0.0	-0.1	-0.0	-0.0	-0.0	0.0	-0.0	0.0	0.2	0.4	0.5	0.4	1.4	0.3	0.2	0.0	0.1	5.1	1.5	SPN	SPN	9.9	**19.1**	1.1	19.1	9.9	-0.1	1.8	4.4	91.7
14	0.5	0.4	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.2	0.4	**2.0**	0.6	0.2	0.1	0.1	0.1	0.1	0.9	0.6	2.0	0.9	0.1	0.3	0.4	100.0
15	0.2	0.1	0.1	0.2	0.0	-0.0	-0.0	0.2	0.4	**0.6**	0.6	0.3	0.0	-0.0	-0.0	0.1	0.1	-0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.6	0.6	0.0	0.1	0.2	100.0
16	0.3	0.2	0.5	0.7	0.5	0.1	0.0	0.0	0.1	0.4	0.3	0.2	0.2	0.1	0.0	0.1	**0.8**	0.2	0.2	0.3	0.0	0.2	0.1	0.6	0.8	0.7	0.0	0.3	0.2	100.0
17	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	**1.7**	1.2	1.1	0.5	0.7	0.4	0.2	1.7	1.2	0.1	0.4	0.4	100.0
18	0.1	0.1	0.0	0.0	0.2	**0.3**	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.3	0.3	0.0	0.2	0.1	100.0
19	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.2	0.3	0.8	**18.2**	1.8	1.3	1.0	0.8	0.8	0.4	0.3	0.3	0.8	18.2	1.8	0.0	1.2	3.6	100.0
20	0.9	0.5	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.4	0.3	0.9	1.0	1.9	**2.9**	2.7	1.1	0.3	-0.1	CAL	CAL	0.1	0.0	0.1	2.9	2.7	-0.1	0.6	0.8	91.7
21	0.0	-0.1	-0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2	**0.3**	0.2	0.1	0.2	0.0	-0.0	-0.3											

-0.1| 0.0 | -0.1| -0.1| -0.0| 0.3 | 0.2 | -0.3| 0.0 | 0.1 |100.0|

| 22| 0.0 | -0.0| -0.0| 0.1 | 0.0 | 0.1 | -0.0| 0.1 | 0.1 | 0.1 | 0.3 | PMA | **0.4** | 0.4 | 0.4 | 0.2 | 0.0 | -0.1| -0.2|
-0.2| 0.0 | 0.0 | -0.0| -0.0| 0.4 | 0.4 | -0.2| 0.1 | 0.2 | 95.8|

| 23| -0.0| -0.0| 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | **0.3** | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 | -0.2|
-0.1| -0.0| 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | -0.2| 0.1 | 0.1 |100.0|

| 24| 0.0 | 0.1 | 0.0 | 0.0 | -0.0| 0.0 | 0.0 | 0.2 | **0.3** | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.3 | 0.2 | 0.0 | 0.1 | 0.1 |100.0|

| 25| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.0| 0.0 | 0.1 | **0.6** | 0.6 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | -0.0|
0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.6 | 0.6 | 0.0 | 0.1 | 0.2 |100.0|

| 26| 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | -0.0| 0.0 | 0.0 | 0.1 | **0.2** | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | -0.1| -0.2|
-0.1| 0.1 | -0.0| -0.0| -0.0| 0.2 | 0.2 | -0.2| 0.0 | 0.1 |100.0|

| 27| 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | -0.2| -0.0| 0.1 | 0.1 | 1.1 | **1.8** | 0.7 | 0.5 | 0.4 | 0.3 | 0.2 | 0.1 | -0.0| -0.0|
SPN | SPN | 0.2 | 0.3 | 0.3 | 1.8 | 1.1 | -0.2| 0.3 | 0.4 | 91.7|

| 28| 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | **0.7** | 0.6 | 0.6 | 0.4 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 |
0.1 | 0.3 | 0.3 | 0.2 | 0.3 | 0.7 | 0.6 | 0.1 | 0.4 | 0.1 |100.0|

| 29| 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.4 | QAS | QAS | QAS | 0.8 | 0.5 | 0.3 | 0.4 | 0.4 | 0.3 | 0.5 | 1.9 |
2.3 | 8.2 | 3.7 | **21.7**| 3.5 | 21.7| 8.2 | 0.2 | 2.2 | 4.7 | 87.5|

| 30| 1.2 | 0.9 | 1.1 | 1.4 | 6.5 | 9.6 | 2.9 | 5.4 | 9.5 | 18.0| 9.1 | 4.4 | 2.7 | 2.8 | 3.6 | 12.4| 14.5| 0.7 | 1.4 |
0.6 | 3.7 | 18.1| **18.2**| 10.4| 18.2| 18.1| 0.6 | 6.6 | 5.8 |100.0|

| 31| 4.5 | 1.2 | 1.6 | 4.2 | 1.5 | 1.6 | 1.7 | 0.5 | 1.1 | 1.2 | 5.1 | 16.8| 20.5| 4.3 | 7.9 | **44.2**| 24.7| 1.9 | 0.8 |
PMA | 0.3 | 0.3 | 0.3 | 0.3 | 44.2| 24.7| 0.3 | 6.4 | 10.4| 95.8|

|Day|00:00|01:00|02:00|03:00|04:00|05:00|06:00|07:00|08:00|09:00|10:00|11:00|12:00|13:00|14:00|15:00|16:00|17:00|18:00|
19:00|20:00|21:00|22:00|23:00| Max | SH | Min | Avg | STD | Cap |

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
44.2 97.7	24.7	-0.3	1.1	3.4
October 31 15:00	October 31 16:00	October 10 22:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for November 2018

Report Month: November 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:29:07 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	**0.4**	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.4	0.3	0.1	0.2	0.1	100.0
2	0.2	0.2	0.2	0.2	0.2	**0.3**	0.2	0.3	PMA	SPN	SPN	0.1	0.0	0.2	0.2	0.1	0.0	-0.2	-0.3	-0.1	-0.3	-0.1	-0.1	-0.2	0.3	0.3	-0.3	0.1	0.2	87.5
3	-0.2	0.0	0.0	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	1.0	3.1	8.2	6.4	**32.0**	21.4	30.1	27.5	0.2	-0.1	SPN	SPN	0.3	11.6	23.7	32.0	30.1	-0.2	7.5	11.1	91.7
4	**6.3**	0.6	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	-0.1	-0.1	0.0	0.0	0.1	0.1	0.0	6.3	0.6	-0.1	0.4	1.2	100.0
5	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	1.2	**9.6**	2.2	1.0	0.6	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.0	0.1	0.1	9.6	2.2	0.0	0.7	1.9	100.0
6	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.3	**0.5**	0.5	0.3	0.2	0.2	0.2	0.3	0.4	0.2	0.1	0.2	0.1	0.1	0.2	0.5	0.5	0.0	0.2	0.1	100.0
7	0.1	0.2	0.2	0.1	**4.9**	1.5	1.0	0.8	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	4.9	1.5	0.0	0.4	1.0	100.0
8	**0.1**	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	100.0
9	-0.0	**0.1**	0.1	0.1	0.1	0.0	-0.0	0.1	0.0	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	-0.0	-0.1	-0.1	-0.1	0.0	-0.0	-0.0	0.0	0.1	0.1	-0.1	0.0	0.1	100.0
10	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	-0.1	-0.0	**0.4**	0.2	0.2	0.0	0.1	SPN	SPN	0.1	-0.0	0.1	0.4	0.2	-0.1	0.1	0.1	91.7
11	0.1	**0.4**	0.4	0.2	0.1	0.1	0.0	0.1	-0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	-0.0	-0.0	0.4	0.4	0.0	0.1	0.1	100.0
12	-0.0	0.0	-0.1	-0.0	0.0	0.0	0.0	0.1	0.0	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.1	0.4	**0.6**	0.4	0.5	0.1	-0.1	0.6	0.5	-0.1	0.1	0.2	100.0
13	0.2	0.1	0.1	0.9	0.7	1.0	**1.3**	1.2	1.0	0.9	0.5	0.4	0.1	0.1	-0.0	-0.1	-0.0	-0.1	-0.1	-0.0	-0.1	0.1	0.3	0.2	1.3	1.2	-0.1	0.4	0.4	100.0
14	0.0	-0.0	-0.1	**0.5**	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.2	-0.0	-0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.5	0.5	-0.1	0.1	0.2	100.0
15	-0.0	-0.0	-0.0	-0.0	-0.1	-0.0	-0.0	0.0	0.1	0.2	0.3	0.4	0.4	**0.7**	0.2	0.3	0.1	-0.2	-0.1	0.2	0.4	0.2	0.2	0.2	0.7	0.4	-0.2	0.1	0.2	100.0
16	0.4	0.6	0.5	0.6	0.5	0.3	0.2	0.4	0.7	0.9	1.2	1.3	PMA	**1.5**	1.4	1.1	0.9	0.5	0.1	0.4	AQI	0.3	0.1	0.2	1.5	1.4	0.1	0.6	0.4	91.7
17	-0.0	0.4	0.4	0.3	0.3	0.0	-0.0	-0.0	1.3	2.5	1.9	2.3	3.1	1.6	4.3	0.8	0.6	0.2	0.0	CAL	CAL	0.3	4.8	**5.2**	5.2	4.8	-0.0	1.4	1.6	91.7
18	7.5	8.4	9.3	**10.4**	6.5	3.3	0.8	0.6	0.5	0.3	0.1	0.0	-0.1	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	-0.1	-0.1	10.4	9.3	-0.1	2.0	3.4	100.0
19	-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.1	-0.0	-0.1	-0.0	-0.2	-0.1	0.0	**0.3**	0.2	0.3	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.3	0.3	-0.2	-0.0	0.1	100.0
20	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	0.2	**5.2**	0.2	0.2	0.0	0.0	0.0	-0.2	-0.2	-0.2	-0.1	-0.0	-0.1	-0.1	-0.0	5.2	0.2	-0.2	0.2	1.1	100.0
21	-0.1	-0.1	-0.1	0.0	0.1	-0.0	-0.0	0.3	0.0	0.1	0.1	0.1	0.2	0.2	0.4	**0.9**	0.7	0.4	-0.1											

-0.1	-0.2	-0.1	-0.1	-0.1	0.9	0.7	-0.2	0.1	0.3	100.0														
22	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.2	0.3	**0.4**	0.4	0.3	0.2	0.1	0.1	-0.2	-0.1	-0.1	-0.2	-0.1	0.0	0.1	0.4	0.4	-0.2	0.0	0.2	100.0
23	0.2	0.2	0.2	0.3	0.3	**9.0**	4.7	3.0	6.1	1.4	1.2	1.7	6.3	0.5	0.4	0.3	0.3	0.1	0.2	0.1	-0.1	0.0	0.0	0.0	9.0	6.3	-0.1	1.5	2.4	100.0
24	0.0	-0.0	-0.1	-0.0	-0.1	0.0	0.0	0.1	0.2	0.2	1.0	1.7	2.8	0.4	6.9	0.6	0.3	-0.0	0.9	SPN	SPN	28.6	**38.1**	29.1	38.1	29.1	-0.1	5.0	10.9	91.7
25	**26.5**	13.6	10.7	16.3	12.5	2.3	1.9	0.6	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	-0.1	0.0	0.0	0.1	-0.1	0.0	0.0	-0.0	26.5	16.3	-0.1	3.6	6.8	100.0
26	0.0	**0.1**	0.1	0.1	-0.0	-0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	-0.0	-0.2	0.0	-0.0	0.0	0.1	0.1	-0.2	0.0	0.1	100.0
27	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.3	0.4	0.4	**0.6**	0.3	0.3	0.2	0.0	0.1	0.0	0.3	0.6	0.4	0.0	0.1	0.2	100.0
28	0.3	0.5	0.3	0.2	0.2	0.2	2.4	6.7	12.0	3.9	0.9	0.5	0.9	7.5	5.7	2.8	5.1	**21.6**	14.2	6.0	21.5	12.1	4.8	9.0	21.6	21.5	0.2	5.8	6.3	100.0
29	6.5	5.1	3.1	6.6	9.1	5.8	9.2	1.4	0.7	0.3	0.3	0.4	0.2	0.4	0.4	0.4	0.3	0.2	6.3	**12.2**	4.8	3.2	1.7	0.6	12.2	9.2	0.2	3.3	3.5	100.0
30	2.8	1.1	0.6	0.3	0.3	0.4	1.7	3.9	3.5	2.4	9.5	4.0	0.9	0.5	0.3	0.3	2.0	0.4	0.2	0.2	16.7	22.4	**35.4**	17.0	35.4	22.4	0.2	5.3	8.7	100.0

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
Monthly Cap				
38.1	35.4	-0.3	1.3	4.3
98.2				
November 24 22:00	November 30 22:00	November 2 18:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for December 2018

Report Month: December 2018 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:29:19 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	**1.1**	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.4	0.4	0.5	0.6	0.7	0.4	0.4	0.2	SPN	SPN	0.1	0.2	0.2	1.1	0.7	0.1	0.4	0.2	91.7
2	0.3	0.4	0.4	**0.5**	0.5	0.5	0.4	0.2	0.2	0.0	0.1	0.1	0.2	0.1	-0.1	0.1	-0.0	-0.2	-0.1	0.0	0.1	0.1	0.1	-0.0	0.5	0.5	-0.2	0.2	0.2	100.0
3	-0.1	-0.0	-0.0	-0.0	-0.0	0.1	-0.0	0.1	0.1	0.1	0.0	-0.0	0.0	1.3	**3.4**	1.3	0.2	0.9	1.5	0.4	0.1	-0.0	-0.1	-0.1	3.4	1.5	-0.1	0.4	0.8	100.0
4	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	0.0	0.1	0.1	0.1	0.2	**0.4**	-0.1	0.2	0.4	0.3	0.1	0.0	-0.0	0.4	0.4	-0.2	0.0	0.2	100.0
5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	-0.0	-0.0	**0.1**	-0.0	0.1	0.1	0.0	-0.1	-0.0	-0.1	-0.1	0.0	0.1	0.0	0.0	0.1	0.1	-0.2	-0.0	0.1	100.0
6	0.0	-0.0	1.0	0.3	0.3	0.3	0.4	0.6	0.5	0.3	0.4	0.4	0.6	1.1	**1.2**	1.0	0.6	0.3	0.2	0.1	-0.1	-0.1	-0.1	-0.1	1.2	1.1	-0.1	0.4	0.4	100.0
7	-0.1	-0.1	-0.1	**-0.0**	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	-0.2	-0.1	0.0	100.0
8	-0.1	-0.1	-0.0	-0.1	-0.1	-0.0	-0.1	0.0	-0.1	-0.0	-0.1	-0.0	-0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.2	-0.1	SPN	SPN	**0.1**	0.0	0.1	0.1	0.1	-0.2	-0.0	0.1	91.7
9	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.3	0.2	**0.8**	0.7	0.6	0.6	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.7	0.0	0.2	0.2	100.0
10	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.3	QAS	QAS	0.2	0.4	0.6	**2.0**	1.7	0.3	0.0	0.1	0.1	-0.0	0.1	0.0	2.0	1.7	0.0	0.3	0.5	91.7
11	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	2.4	4.2	3.0	1.1	2.4	6.6	2.7	2.6	6.7	10.4	3.8	21.4	**22.4**	21.4	19.9	22.4	21.4	0.1	5.5	7.5	100.0
12	20.1	11.3	26.2	**28.5**	21.9	23.4	5.6	2.2	23.0	12.3	6.0	2.6	3.3	24.6	20.9	2.9	2.9	0.8	0.8	0.8	0.7	0.6	3.7	3.1	28.5	26.2	0.6	10.3	9.9	100.0
13	0.7	0.6	0.6	0.6	0.6	0.4	**1.1**	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	1.1	0.7	0.2	0.4	0.2	100.0
14	0.2	0.2	0.2	0.2	**0.3**	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.1	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.3	0.1	0.2	0.1	100.0
15	0.0	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.3	**0.6**	0.3	0.3	0.3	0.1	0.3	0.1	0.3	0.1	0.1	CAL	CAL	0.0	0.0	0.0	0.6	0.3	0.0	0.2	0.1	91.7
16	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.3	0.1	0.2	2.2	**4.7**	0.2	0.0	0.1	0.1	0.1	3.9	1.2	0.2	0.0	4.7	3.9	-0.1	0.5	1.2	100.0
17	-0.0	-0.0	-0.1	-0.1	-0.0	-0.1	-0.1	-0.1	-0.0	-0.1	0.3	0.5	0.7	0.9	1.2	2.2	**2.4**	0.8	0.9	1.9	1.9	1.2	1.2	0.4	2.4	2.2	-0.1	0.7	0.8	100.0
18	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.3	2.9	7.3	24.2	**36.9**	11.9	7.0	2.0	0.9	0.9	0.8	0.4	0.5	0.2	0.1	36.9	24.2	0.1	4.1	8.7	100.0
19	0.1	0.0	0.1	0.1	0.5	0.1	0.0	0.1	0.2	0.2	0.1	0.3	**0.7**	0.4	0.3	0.7	0.1	0.0	0.1	0.1	-0.1	0.1	0.2	0.2	0.7	0.7	-0.1	0.2	0.2	100.0
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	PMA	**0.3**	-0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.2	-0.0	0.1	0.1	95.8
21	0.0	**0.1**	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	-0.0	0.0	0.1	-0.0	-0.0	-0.0											

0.0	-0.1	-0.0	-0.1	0.0	0.1	0.1	-0.1	0.0	0.1	100.0														
22	-0.0	-0.0	4.7	11.0	2.8	1.1	15.7	**42.5**	29.7	18.7	1.9	0.7	0.5	0.4	0.5	0.5	0.6	0.6	0.5					
SPN	SPN	0.5	0.3	0.2	42.5	29.7	-0.0	6.1	10.9	91.7														
23	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.0	**1.5**	1.1	0.4	0.3	0.2	0.2	0.2	0.1	-0.0	0.1					
0.0	-0.1	0.1	0.0	0.0	1.5	1.1	-0.1	0.3	0.4	100.0														
24	0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.0	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.3					
0.3	0.2	1.8	**6.3**	0.6	6.3	1.8	0.0	0.5	1.3	100.0														
25	0.8	0.8	**1.8**	0.9	0.6	1.4	0.8	0.3	0.3	0.2	0.1	0.2	0.2	0.3	0.9	0.2	0.1	0.1	0.1					
0.2	0.1	0.2	0.1	0.1	1.8	1.4	0.1	0.4	0.5	100.0														
26	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	**0.3**	0.1				
0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.1	100.0														
27	2.3	0.8	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	2.1	**2.7**	0.4	0.3	0.3	0.2	0.0	-0.0					
0.1	-0.0	0.1	0.1	0.1	2.7	2.3	0.0	0.5	0.7	100.0														
28	0.1	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.6	**1.6**	1.4	1.1	1.2	0.9	0.7	0.3	0.2	0.2	0.2					
0.1	0.0	0.1	0.1	0.1	1.6	1.4	0.0	0.4	0.5	100.0														
29	0.1	0.7	1.1	0.4	0.3	0.2	0.2	0.2	0.4	0.6	0.4	0.3	2.1	**2.4**	1.5	1.3	1.0	2.0	2.0					
SPN	SPN	1.3	2.1	2.4	2.4	2.4	0.1	1.0	0.8	91.7														
30	**2.3**	1.2	1.0	0.7	0.6	0.5	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.2	0.2	0.2	0.2	0.4	0.2					
0.2	0.8	1.2	1.0	0.5	2.3	1.2	0.2	0.7	0.5	100.0														
31	0.2	0.3	0.3	**6.4**	0.8	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.3	0.4	0.5	1.1					
0.3	0.1	0.3	0.2	0.2	6.4	1.1	0.1	0.6	1.2	100.0														

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
42.5 98.3	36.9	-0.2	1.1	4.1
December 22 07:00	December 18 13:00	December 2 17:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for January 2019

Report Month: January 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:29:39 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.5	1.8	**6.3**	2.2	0.7	0.3	0.5	0.5	0.4	0.8	0.4	0.3	6.3	2.2	0.1	0.7	1.3	100.0
2	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.2	**1.3**	0.3	1.3	0.5	0.0	0.3	0.2	100.0
3	0.3	0.5	0.4	0.4	0.3	0.2	0.3	0.2	0.5	0.3	0.3	0.2	0.4	PMA	0.4	0.3	**4.4**	1.3	0.4	0.3	0.1	0.3	0.3	0.2	4.4	1.3	0.1	0.5	0.9	95.8
4	0.2	0.2	**0.3**	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.1	0.2	0.1	100.0
5	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	1.0	**3.8**	1.6	0.5	0.4	0.4	0.2	0.4	SPN	SPN	-0.1	-0.1	-0.1	3.8	1.6	-0.1	0.5	0.8	91.7
6	-0.1	-0.2	-0.2	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1	0.1	0.5	0.4	0.7	2.0	2.6	1.0	3.7	-0.0	-0.1	-0.0	-0.1	10.2	2.3	**21.0**	21.0	10.2	-0.2	1.8	4.6	100.0
7	**19.2**	15.8	6.9	13.5	2.2	3.0	8.3	5.3	0.4	0.2	0.1	0.1	-0.0	-0.0	-0.0	-0.1	-0.0	0.0	0.5	-0.0	-0.0	-0.0	-0.1	-0.1	19.2	15.8	-0.1	3.1	5.5	100.0
8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.0	0.1	0.1	0.0	0.1	0.4	**1.8**	0.4	0.1	0.0	0.0	0.3	0.1	-0.1	-0.1	1.8	0.4	-0.2	0.1	0.4	100.0
9	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	0.0	0.3	-0.0	-0.2	-0.1	**0.6**	0.5	-0.1	-0.2	-0.3	-0.2	-0.2	-0.1	-0.2	-0.2	-0.1	0.6	0.5	-0.3	-0.1	0.2	100.0
10	-0.0	-0.1	-0.1	-0.0	-0.2	-0.2	-0.1	0.0	0.2	0.0	0.2	0.9	0.9	0.8	**1.0**	0.7	0.6	0.5	0.2	0.3	0.3	0.1	0.2	0.0	1.0	0.9	-0.2	0.3	0.4	100.0
11	-0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.6	0.9	0.7	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.4	**1.1**	1.1	0.9	-0.0	0.3	0.3	100.0
12	0.2	0.9	**1.0**	0.1	-0.0	-0.0	-0.1	-0.1	0.0	-0.0	-0.1	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	CAL	CAL	-0.0	-0.1	-0.0	1.0	0.9	-0.2	0.0	0.3	91.7
13	-0.1	-0.0	-0.1	-0.0	-0.0	-0.1	-0.1	-0.2	-0.1	0.1	1.2	1.2	0.4	0.5	0.8	1.2	**1.5**	1.0	1.2	0.1	0.0	-0.1	-0.1	-0.1	1.5	1.2	-0.2	0.3	0.6	100.0
14	-0.1	-0.0	-0.1	-0.1	-0.2	-0.1	0.2	1.1	0.8	0.4	-0.0	0.1	0.2	0.5	0.9	1.7	**2.4**	1.9	2.2	2.4	2.4	1.4	0.9	0.7	2.4	2.4	-0.2	0.8	0.9	100.0
15	0.2	-0.0	-0.0	-0.1	-0.1	-0.0	-0.0	0.0	0.1	2.9	5.7	5.2	4.7	4.1	32.4	**127.3**	109.4	49.5	16.4	13.3	6.8	6.1	5.0	3.5	127.3	109.4	-0.1	16.3	32.9	100.0
16	2.1	1.6	0.5	0.3	0.2	0.3	0.3	0.6	4.6	7.2	1.0	QAS	QAS	PMA	0.9	2.5	3.8	8.6	3.0	**15.0**	3.2	5.4	13.3	7.9	15.0	13.3	0.2	3.9	4.2	87.5
17	**3.9**	1.5	3.2	1.2	0.3	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.4	0.4	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0	3.9	3.2	0.0	0.5	1.0	100.0
18	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	0.1	0.1	0.1	0.1	5.5	7.1	18.7	9.1	0.6	0.6	9.0	15.6	**20.8**	5.6	0.8	0.5	0.4	20.8	18.7	0.0	3.9	6.2	100.0
19	**0.3**	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.0	0.0	0.0	-0.0	-0.0	SPN	SPN	0.1	0.1	0.1	0.3	0.3	-0.1	0.1	0.1	91.7
20	0.0	0.6	0.8	0.8	1.0	1.0	1.1	0.9	0.6	0.8	0.7	0.5	28.2	**45.8**	15.7	2.4	1.3	1.1	0.6	0.7	0.5	0.9	0.6	0.3	45.8	28.2	0.0	4.5	10.6	100.0
21	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.7	0.7	0.4	0.7	0.8	0.5	0.4											

																				0.4	0.5	**0.9**	0.9	0.7	0.9	0.9	0.1	0.4	0.3	100.0
22	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.6	0.7	21.5	2.1	**44.8**	1.3	2.2	0.4	1.8	0.4	1.0	3.2	13.9	3.7	0.3	44.8	21.5	0.3	4.3	9.7	100.0
23	**0.2**	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	-0.0	0.1	0.1	0.1	0.2	0.2	-0.0	0.1	0.1	100.0
24	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.2	1.2	18.8	15.3	7.5	**65.3**	26.1	5.4	0.2	0.4	0.5	0.9	0.3	0.3	0.3	0.2	65.3	26.1	0.1	6.0	14.1	100.0
25	0.2	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.3	0.3	0.2	PMA	0.4	0.5	**22.2**	6.5	3.9	1.0	2.5	1.0	0.4	0.4	0.4	0.4	22.2	6.5	0.1	1.9	4.6	95.8
26	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.7	0.9	**1.2**	0.6	0.4	0.4	0.4	0.4	0.5	0.4	SPN	SPN	-0.0	-0.1	-0.1	1.2	0.9	-0.1	0.3	0.3	91.7
27	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	**0.2**	0.2	0.2	0.2	0.2	0.1	0.0	-0.2	-0.1	-0.1	-0.2	-0.0	0.0	-0.0	0.2	0.2	-0.2	-0.0	0.1	100.0
28	-0.0	-0.0	0.0	-0.0	0.0	0.1	0.9	1.3	**1.4**	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	-0.2	-0.0	-0.0	0.1	1.4	1.3	-0.2	0.2	0.4	100.0
29	-0.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	1.2	2.2	**2.4**	1.5	1.3	0.9	1.4	0.7	0.7	1.1	0.5	0.2	0.1	0.1	0.0	2.4	2.2	-0.2	0.5	0.8	100.0
30	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.4	0.3	3.6	5.4	**10.7**	9.1	4.8	3.9	3.2	0.1	0.2	0.4	0.3	0.2	0.1	-0.1	-0.0	10.7	9.1	-0.1	1.8	3.0	100.0
31	-0.0	0.1	0.2	0.2	0.4	0.5	0.4	0.5	**0.6**	0.4	0.3	0.3	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.6	0.5	-0.0	0.3	0.2	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
127.3 January 15 15:00	109.4 January 15 16:00	-0.3 January 9 17:00	1.8	7.9	98.3

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for February 2019

Report Month: February 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:29:51 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.0	0.1	0.0	-0.0	0.0	0.1	0.4	0.3	2.0	3.8	1.8	6.7	**35.5**	4.5	1.2	0.6	0.8	0.9	0.9	0.5	0.3	0.2	0.1	35.5	6.7	0.0	2.5	7.1	100.0
2	-0.0	-0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.0	0.1	**0.2**	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	SPN	SPN	0.1	0.1	0.2	0.2	0.2	-0.1	0.0	0.1	91.7
3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.4	1.0	0.2	1.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	2.3	**9.1**	9.1	2.3	0.1	0.7	1.8	100.0
4	13.1	18.2	**21.9**	15.6	10.5	11.4	7.9	1.0	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	4.7	3.9	0.8	0.2	1.2	1.7	21.9	18.2	0.2	4.8	6.5	100.0
5	5.3	2.7	1.9	0.4	0.9	7.9	2.0	3.2	2.8	0.5	1.6	0.6	0.3	3.1	5.1	0.3	1.0	4.7	2.1	0.3	7.2	12.9	**24.4**	10.1	24.4	12.9	0.3	4.2	5.3	100.0
6	19.8	22.4	14.6	1.6	0.5	0.4	0.4	0.7	1.6	3.0	7.5	12.4	21.8	7.3	21.5	18.0	9.9	0.8	0.4	0.3	23.9	47.2	**73.9**	63.5	73.9	63.5	0.3	15.6	19.6	100.0
7	38.6	38.6	57.0	31.4	**117.5**	73.6	1.3	0.7	0.4	0.1	0.0	PMA	0.1	0.1	0.0	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.7	117.5	73.6	0.0	15.7	30.1	95.8
8	0.5	0.1	-0.1	-0.1	-0.1	-0.1	-0.2	0.4	1.9	**2.2**	1.6	1.9	1.3	0.2	0.1	0.2	0.3	0.6	0.9	1.6	0.8	0.1	-0.1	-0.0	2.2	1.9	-0.2	0.6	0.7	100.0
9	-0.1	-0.1	-0.0	0.1	0.1	0.3	**0.4**	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.4	0.2	0.1	CAL	CAL	0.2	0.2	0.2	0.4	0.4	-0.1	0.1	0.1	91.7
10	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.4	**10.7**	5.5	2.1	0.4	0.5	0.4	2.2	0.6	0.7	0.6	0.6	0.5	10.7	5.5	0.1	1.2	2.3	100.0
11	0.3	0.3	0.3	0.5	0.6	0.3	4.7	17.6	1.1	21.5	**23.3**	0.9	0.5	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.1	23.3	21.5	0.1	3.1	6.8	100.0
12	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**0.4**	0.2	0.3	0.2	0.2	0.2	0.1	0.0	0.1	0.2	0.1	0.0	0.4	0.3	0.0	0.2	0.1	100.0
13	0.0	-0.0	0.0	0.0	-0.0	0.0	-0.0	0.1	0.9	0.4	1.9	7.9	6.1	9.7	3.1	7.8	18.0	11.0	5.2	6.3	**23.1**	20.9	18.5	3.2	23.1	20.9	0.0	6.0	7.2	100.0
14	0.7	0.6	6.0	**17.4**	6.3	3.3	7.5	3.7	0.8	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.3	17.4	7.5	0.2	2.1	3.8	100.0
15	0.2	0.2	0.2	1.4	5.3	3.1	**6.2**	4.7	1.1	1.0	4.8	2.0	1.6	0.8	0.7	0.5	0.4	0.4	0.5	0.5	0.9	0.3	0.3	0.2	6.2	5.3	0.2	1.6	1.8	100.0
16	0.2	0.5	**1.0**	0.6	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	SPN	SPN	0.2	0.2	0.2	1.0	0.6	0.1	0.3	0.2	91.7
17	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.5	1.3	2.0	**2.6**	0.4	0.1	0.3	0.6	1.1	1.2	0.4	0.1	0.2	0.1	0.1	0.1	2.6	2.0	0.1	0.5	0.7	100.0
18	0.1	0.2	0.1	0.2	0.3	0.1	0.2	0.2	0.1	0.1	0.0	-0.0	0.1	0.2	0.3	**0.4**	0.3	0.3	0.4	0.2	0.1	0.2	0.3	0.2	0.4	0.4	0.0	0.2	0.1	100.0
19	**0.1**	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	-0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	100.0
20	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	-0.0	-0.0	PMA	0.3	0.3	**0.4**	0.3	0.2	-0.0	0.0	-0.0	0.1	0.0	0.0	0.4	0.3	0.0	0.1	0.1	95.8
21	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	**0.2**	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1											

																				0.0	-0.1	0.0	0.0	0.1	0.2	0.1	-0.1	0.1	0.1	100.0
22	**0.1**	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	100.0
23	0.1	0.2	0.1	0.2	0.1	0.2	0.3	0.3	0.5	**0.6**	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	-0.0	SPN	SPN	0.2	0.0	-0.0	0.6	0.5	-0.0	0.2	0.1	91.7
24	-0.0	-0.0	-0.1	-0.0	-0.0	-0.1	-0.1	-0.0	0.4	0.2	-0.0	0.2	1.6	1.6	1.9	**2.1**	1.5	0.7	0.4	0.6	0.3	0.1	0.0	-0.0	2.1	1.9	-0.1	0.5	0.7	100.0
25	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	0.0	0.0	-0.0	0.1	0.0	-0.0	0.1	0.0	0.0	0.1	0.0	-0.0	-0.1	0.2	0.2	**0.3**	0.2	0.3	0.2	-0.1	0.0	0.1	100.0
26	**0.2**	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	100.0
27	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.3	2.3	3.1	1.5	1.8	**3.7**	3.5	1.4	0.5	0.2	0.2	0.1	0.2	0.1	0.1	3.7	3.5	0.0	0.8	1.2	100.0
28	**0.1**	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
117.5	73.9	-0.2	2.2	8.4	98.5
February 7 04:00	February 6 22:00	February 8 06:00			

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for March 2019

Report Month: March 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:30:04 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.0	0.0	0.0	0.0	0.2	0.3	0.4	1.5	2.1	1.5	1.3	1.2	0.8	0.9	0.6	0.4	0.3	0.5	**2.9**	2.4	0.5	0.4	0.2	0.2	2.9	2.4	0.0	0.8	0.8	100.0
2	0.1	**0.2**	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	SPN	SPN	0.1	0.1	0.1	0.2	0.2	0.0	0.1	0.1	91.7
3	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.6	0.8	**1.0**	0.8	0.9	0.2	0.1	0.1	0.1	1.0	0.9	0.1	0.3	0.3	100.0
4	0.0	0.1	0.1	0.0	0.1	0.1	0.0	-0.0	-0.0	-0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3	**1.8**	0.7	0.3	0.4	0.2	1.8	0.7	0.0	0.2	0.4	100.0
5	0.8	1.8	**2.1**	2.1	0.9	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.5	1.3	2.1	1.1	0.4	0.4	0.5	0.3	0.3	0.2	0.2	0.2	2.1	2.1	0.0	0.7	0.7	100.0
6	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.3	0.2	0.1	0.1	0.1	1.7	12.3	0.8	0.6	0.3	0.2	0.2	0.2	0.3	0.2	**13.1**	12.6	13.1	12.6	0.0	1.8	4.1	100.0
7	9.4	6.6	7.6	3.3	0.5	0.7	0.7	0.6	0.5	0.6	0.6	7.5	21.4	9.7	18.7	8.0	6.4	0.8	2.0	0.8	26.2	**44.1**	6.2	4.2	44.1	26.2	0.5	7.8	10.2	100.0
8	10.7	0.9	0.5	1.1	0.5	0.3	0.3	0.2	0.3	0.3	PMA	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	8.1	**27.3**	24.9	27.3	24.9	0.2	3.4	7.5	95.8
9	15.7	**46.8**	28.7	20.2	1.2	0.8	7.3	3.0	0.8	0.4	0.4	0.3	0.3	0.5	0.6	0.3	0.3	0.2	0.3	CAL	CAL	0.2	0.1	0.1	46.8	28.7	0.1	5.8	11.6	91.7
10	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.5	**0.6**	0.5	0.4	0.2	0.2	0.2	0.1	0.0	-0.0	0.2	0.1	-0.0	0.6	0.5	0.0	0.2	0.2	100.0
11	0.1	0.1	1.1	1.5	**1.7**	0.7	0.1	0.0	-0.0	-0.0	-0.0	0.0	-0.1	0.0	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.1	0.0	0.0	1.7	1.7	1.5	-0.1	0.2	0.5	100.0
12	-0.0	0.1	**0.2**	0.2	0.0	0.1	0.1	0.0	QAS	QAS	QAS	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	-0.0	0.1	0.1	87.5
13	0.2	0.1	0.2	3.2	0.3	0.1	14.6	16.9	7.5	0.2	0.2	0.2	0.1	0.3	3.7	7.6	7.5	14.8	7.3	7.2	25.1	15.8	13.8	**95.5**	95.5	25.1	0.1	10.1	19.1	100.0
14	**138.3**	125.1	14.0	0.5	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	-0.1	-0.1	-0.1	0.1	0.0	-0.0	-0.0	138.3	125.1	-0.1	11.7	36.4	100.0
15	-0.0	-0.0	-0.0	-0.0	-0.0	0.1	0.3	0.1	0.7	0.6	0.5	0.0	0.5	**0.8**	0.8	0.8	0.5	0.4	0.3	0.1	0.8	0.4	0.1	0.1	0.8	0.8	-0.0	0.3	0.3	100.0
16	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	-0.0	0.0	-0.0	0.1	0.5	1.2	2.0	1.8	**2.2**	1.0	SPN	SPN	0.3	0.3	0.3	2.2	2.0	-0.0	0.5	0.7	91.7
17	0.2	0.4	0.4	0.2	0.1	0.2	0.2	0.6	**0.7**	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.3	0.4	0.2	0.1	0.2	0.7	0.6	0.1	0.4	0.2	100.0
18	0.3	0.2	0.1	0.2	1.0	1.1	0.9	0.3	1.0	1.1	0.6	0.4	0.3	0.3	2.1	**27.7**	3.0	4.2	0.5	0.1	0.3	0.6	0.4	0.3	27.7	4.2	0.1	2.0	5.5	100.0
19	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.6	0.6	0.5	**6.4**	3.2	2.6	1.3	0.4	0.3	0.2	0.5	0.4	0.3	0.2	6.4	3.2	0.2	0.8	1.4	100.0
20	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.8	0.4	1.0	**1.9**	1.2	1.0	0.9	0.6	0.5	0.2	0.2	0.4	0.2	0.1	0.0	0.1	0.1	1.9	1.2	0.0	0.5	0.4	100.0
21	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	**0.5**	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1											

0.1	0.2	0.3	0.2	0.2	0.5	0.3	0.0	0.2	0.1	100.0														
22	0.2	0.4	0.5	0.4	0.3	0.2	0.2	0.4	0.4	0.5	0.7	6.8	**20.6**	8.8	7.9	5.6	5.3	1.0	1.1					
0.5	0.2	0.3	0.4	0.8	20.6	8.8	0.2	2.6	4.6	100.0														
23	0.9	1.1	0.7	0.5	0.3	0.5	0.4	0.5	2.8	7.6	1.3	3.3	23.8	12.9	14.4	36.8	6.2	8.0	3.1					
SPN	SPN	13.6	**44.6**	26.3	44.6	36.8	0.3	9.5	12.4	91.7														
24	**28.2**	9.9	15.2	9.7	12.0	9.5	8.7	8.7	6.6	3.9	0.6	0.4	0.3	0.2	0.2	0.6	1.3	0.3	0.3					
0.3	20.0	12.6	5.8	3.2	28.2	20.0	0.2	6.6	7.1	100.0														
25	**4.2**	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.8	0.3	0.2	0.2	0.2	0.3					
0.4	0.1	0.1	0.2	0.2	4.2	0.8	0.1	0.4	0.8	100.0														
26	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.2	0.4	**0.5**	0.2	0.2	0.3	0.2	0.1	0.2	0.4	0.4	0.2					
0.1	0.0	0.2	0.2	0.1	0.5	0.4	0.0	0.2	0.1	100.0														
27	0.1	0.1	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.3	**2.5**	0.1	0.2					
0.0	-0.1	0.1	0.1	0.2	2.5	0.5	-0.1	0.3	0.5	100.0														
28	4.5	2.5	1.4	1.8	1.0	7.9	6.6	17.5	21.4	25.0	16.9	5.9	11.6	14.2	8.9	3.3	0.6	0.6	0.5					
0.4	0.5	5.4	30.1	**32.8**	32.8	30.1	0.4	9.2	9.7	100.0														
29	9.9	17.8	24.4	10.0	1.0	0.6	0.5	0.4	0.3	0.3	6.2	0.6	2.6	8.9	14.8	13.8	6.6	0.4	0.4					
0.3	0.4	19.5	25.2	**37.2**	37.2	25.2	0.3	8.4	10.0	100.0														
30	9.2	3.6	**18.9**	13.1	18.5	1.2	0.6	0.7	3.1	0.5	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1					
SPN	SPN	0.1	0.1	0.1	18.9	18.5	0.1	3.2	5.8	91.7														
31	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.5	**0.6**	0.5	0.2					
0.1	0.2	0.2	0.1	0.1	0.6	0.5	0.0	0.2	0.2	100.0														

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
138.3	125.1	-0.1	2.9	9.7
Monthly Cap				
98.1				
March 14 00:00	March 14 01:00	March 11 12:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for April 2019

Report Month: April 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:30:19 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.3	**0.4**	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.1	0.2	0.1	100.0
2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.5	9.8	8.7	15.8	22.0	3.5	**59.8**	19.5	4.2	5.2	0.8	0.3	0.5	0.6	0.3	59.8	22.0	0.1	6.4	12.8	100.0
3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.6	0.8	0.7	0.7	0.6	0.6	0.6	1.9	**11.7**	1.2	0.5	0.5	0.4	0.4	0.3	0.4	11.7	1.9	0.1	1.0	2.3	100.0
4	0.4	2.4	0.4	0.3	1.8	1.5	2.2	**8.8**	1.5	4.9	2.6	1.6	PMA	3.1	3.4	4.1	1.6	2.7	0.7	0.9	0.2	0.2	0.2	0.2	8.8	4.9	0.2	2.0	2.0	95.8
5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	**0.3**	0.2	0.2	0.2	0.2	0.2	0.1	-0.1	0.1	0.1	0.2	0.3	0.2	-0.1	0.2	0.1	100.0
6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.9	0.3	0.3	0.2	0.2	0.3	CAL	CAL	0.3	**1.8**	0.5	1.8	0.9	0.2	0.4	0.4	91.7
7	0.2	0.2	0.4	0.4	0.3	0.2	0.2	1.1	2.0	0.3	0.1	**2.5**	0.5	0.3	0.2	0.6	0.7	0.2	0.1	0.1	-0.1	0.1	0.1	0.1	2.5	2.0	-0.1	0.4	0.6	100.0
8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	**0.8**	0.1	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.0	0.0	-0.1	0.0	0.1	0.2	0.8	0.3	-0.1	0.2	0.2	100.0
9	0.2	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.2	0.4	0.3	0.6	0.2	0.5	0.6	0.7	0.6	0.7	**6.2**	4.6	2.3	0.6	0.2	0.2	6.2	4.6	0.0	0.8	1.5	100.0
10	0.1	0.1	3.7	2.8	1.1	14.7	1.3	0.7	4.6	27.6	32.0	38.4	28.6	41.0	26.8	0.9	0.6	4.0	0.3	0.3	0.3	0.4	10.7	**51.9**	51.9	41.0	0.1	12.2	15.8	100.0
11	6.8	0.7	11.8	4.6	0.5	0.8	2.4	17.9	**33.0**	1.0	0.5	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.2	33.0	17.9	0.1	3.5	7.5	100.0
12	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.3	0.3	**0.4**	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.4	0.3	0.1	0.2	0.1	100.0
13	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	**0.9**	0.4	0.2	0.4	SPN	SPN	0.1	0.1	0.1	0.9	0.4	0.0	0.2	0.2	91.7
14	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.1	-0.1	-0.1	-0.0	-0.0	-0.1	-0.0	0.0	**0.1**	0.1	-0.0	-0.0	-0.1	-0.3	-0.0	-0.1	-0.1	-0.1	0.1	0.1	-0.3	-0.0	0.1	100.0
15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	7.9	PMA	12.7	11.4	9.5	5.5	19.7	27.0	10.5	5.4	1.4	0.5	0.3	15.8	**50.5**	36.3	50.5	36.3	-0.1	9.3	13.0	95.8
16	31.0	23.3	6.2	25.6	28.2	23.9	3.2	12.6	**38.3**	33.5	10.2	13.2	12.8	16.6	0.5	0.4	0.3	0.3	0.5	1.6	0.1	6.3	15.6	5.4	38.3	33.5	0.1	12.9	11.8	100.0
17	**23.7**	17.3	9.2	23.3	16.7	7.6	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.2	0.1	0.2	0.2	-0.1	0.0	0.1	1.6	23.7	23.3	-0.1	4.3	7.6	100.0
18	**1.8**	0.2	0.1	PMA	LST	LST	LST	LST	LST	LST	LST	LST	AQI	AQI	AQI	PMA	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	1.8	0.2	0.1	0.7	0.8	12.5
19	AQI	AQI	AQI	AQI	AQI	-0.0	NEG	-0.2	SPN	SPN	0.4	0.1	**0.6**	0.2	0.2	NEG	0.2	0.1	0.2	0.3	0.1	0.3	0.2	0.3	0.6	0.4	-0.2	0.2	0.2	62.5
20	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	5.0	5.9	**30.6**	6.0	0.5	0.5	0.5	0.5	0.4	SPN	SPN	0.2	0.3	0.2	30.6	6.0	0.2	2.4	6.4	91.7
21	0.3	0.2	0.2	0.2	PMA	PMA	AQI	AQI	AQI	2.2	14.4	3.5	5.9	9.5	**23.3**	17.1	1.4	0.4	0.4											

																				0.4	0.6	0.4	1.6	14.7	23.3	17.1	0.2	5.1	6.9	79.2
22	14.2	10.2	0.9	0.5	1.0	0.4	0.4	7.6	**16.1**	8.3	6.2	9.0	2.6	2.2	0.4	0.9	2.4	0.3	0.5	0.4	0.5	0.8	4.3	4.8	16.1	14.2	0.3	4.0	4.6	100.0
23	2.7	2.8	7.2	1.8	0.9	1.3	0.5	0.6	3.4	1.9	1.8	0.6	0.8	1.0	2.6	0.3	0.2	0.3	0.3	0.3	0.3	8.2	**9.6**	5.1	9.6	8.2	0.2	2.3	2.6	100.0
24	**4.4**	2.2	1.3	0.5	0.4	0.6	0.5	1.2	0.9	0.6	0.5	1.5	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.7	0.6	0.3	0.4	4.4	2.2	0.3	0.8	0.9	100.0
25	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.3	**0.5**	0.4	0.2	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.2	0.2	0.3	0.5	0.4	0.2	0.3	0.1	100.0
26	0.3	0.4	0.3	0.3	0.4	0.3	0.3	**1.1**	QAS	QAS	0.3	0.5	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	1.1	0.5	0.2	0.4	0.2	91.7
27	0.4	0.3	0.3	13.8	10.8	18.7	**28.0**	10.2	7.2	7.7	1.0	3.9	1.8	11.9	0.8	1.2	5.1	1.4	8.6	SPN	SPN	11.2	1.1	0.7	28.0	18.7	0.3	6.6	7.0	91.7
28	0.4	0.5	1.0	7.6	2.8	0.6	0.6	0.5	0.6	0.6	9.0	0.7	0.4	5.6	**18.7**	9.9	0.7	0.3	0.3	0.3	0.2	0.4	5.5	18.0	18.7	18.0	0.2	3.5	5.3	100.0
29	14.8	9.4	6.5	7.6	2.5	2.2	6.4	14.9	13.0	**15.7**	3.8	3.9	2.6	12.3	0.5	0.4	0.4	0.4	0.4	0.4	0.2	0.3	0.3	0.2	15.7	14.9	0.2	5.0	5.4	100.0
30	0.3	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.7	**8.4**	5.9	1.0	0.5	1.5	1.1	0.7	1.1	0.3	2.4	0.3	0.3	0.4	5.2	1.5	8.4	5.9	0.2	1.4	2.1	100.0
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
59.8 April 2 15:00	51.9 April 10 23:00	-0.3 April 14 19:00	3.0	7.1	93.5

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for May 2019

Report Month: May 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:30:30 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.2	0.4	**0.8**	0.4	0.8	0.4	0.2	0.3	0.1	100.0
2	0.6	0.2	0.2	0.1	0.2	0.2	0.4	3.5	2.4	0.4	0.4	0.3	0.2	0.2	2.2	1.5	0.8	0.8	1.4	0.7	0.3	2.8	**4.3**	0.9	4.3	3.5	0.1	1.0	1.1	100.0
3	**0.5**	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.4	0.3	PMA	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.5	0.4	0.1	0.3	0.1	95.8
4	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	**1.8**	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	CAL	CAL	0.1	0.0	0.1	1.8	0.4	0.0	0.3	0.3	91.7
5	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.4	9.0	18.4	**42.1**	35.9	7.9	14.8	4.8	1.6	0.2	0.3	0.2	0.1	0.0	0.1	0.1	42.1	35.9	0.0	5.7	11.2	100.0
6	0.1	0.2	0.1	0.1	0.1	0.1	0.1	4.0	2.3	8.3	6.7	**16.4**	10.3	3.3	0.5	0.4	0.4	0.2	0.4	0.3	0.1	0.3	0.3	1.6	16.4	10.3	0.1	2.4	4.0	100.0
7	5.8	6.2	1.9	0.8	0.3	0.5	0.3	0.6	0.6	5.1	**12.7**	9.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	-0.0	0.1	0.2	0.2	12.7	9.2	-0.0	1.9	3.3	100.0
8	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	**1.9**	1.5	0.3	0.3	0.2	0.7	0.1	0.1	0.2	0.2	0.2	0.1	-0.1	0.1	0.1	0.2	1.9	1.5	-0.1	0.3	0.4	100.0
9	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.5	0.3	0.1	0.3	0.2	0.4	**1.1**	0.4	0.3	0.3	0.3	0.1	0.1	0.5	0.4	0.1	1.1	0.5	0.1	0.3	0.2	100.0
10	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.3	0.7	**1.1**	0.9	0.5	0.3	0.2	0.1	0.1	0.2	0.2	0.1	-0.1	0.1	0.1	0.1	1.1	0.9	-0.1	0.2	0.3	100.0
11	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	**2.6**	1.0	0.4	0.3	0.3	0.2	1.0	0.9	0.7	0.3	0.3	SPN	SPN	0.1	0.1	0.0	2.6	1.0	0.0	0.4	0.6	91.7
12	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.0	0.0	0.1	**0.2**	0.1	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	-0.1	0.0	-0.0	0.2	0.1	-0.1	0.0	0.1	100.0
13	0.0	0.0	0.1	0.0	-0.0	0.1	0.2	0.1	0.1	0.2	0.3	**95.7**	22.0	4.5	0.5	0.7	0.6	0.2	0.2	0.0	0.1	-0.1	0.1	0.6	95.7	22.0	-0.1	5.3	19.4	100.0
14	0.2	0.1	-0.0	0.0	0.0	-0.1	-0.1	0.2	0.9	1.9	0.9	6.7	17.4	**19.1**	4.8	5.9	2.0	0.1	0.2	0.3	0.2	0.0	-0.0	0.1	19.1	17.4	-0.1	2.5	5.1	100.0
15	0.1	0.1	0.0	0.2	0.2	0.1	0.1	0.7	PMA	0.2	0.5	0.5	1.1	0.9	**3.7**	2.1	0.3	0.1	0.0	0.1	0.0	0.1	0.0	-0.0	3.7	2.1	0.0	0.5	0.8	95.8
16	0.0	0.1	0.2	0.1	0.0	0.0	-0.1	0.3	0.3	0.3	2.6	**13.6**	12.1	6.4	11.8	2.0	0.7	2.3	0.6	0.2	0.0	6.2	6.6	0.4	13.6	12.1	-0.1	2.8	4.2	100.0
17	0.4	1.0	0.5	0.5	2.6	2.8	5.6	**13.0**	8.5	5.2	3.7	2.6	0.6	1.7	0.2	1.4	3.0	0.2	0.3	0.3	0.2	0.2	0.1	0.3	13.0	8.5	0.1	2.3	3.1	100.0
18	0.2	0.0	0.1	0.1	0.2	0.2	0.0	0.1	0.1	0.1	0.7	1.3	1.3	1.5	0.3	13.3	**19.3**	3.9	1.2	SPN	SPN	1.1	0.6	2.2	19.3	13.3	0.0	2.2	4.6	91.7
19	**2.1**	0.4	0.5	0.4	0.6	0.6	0.6	1.1	0.6	0.2	0.2	0.2	0.3	0.2	1.1	0.5	0.5	0.4	0.2	0.1	-0.0	2.0	1.6	0.3	2.1	2.0	-0.0	0.6	0.6	100.0
20	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	-0.0	0.1	0.1	0.1	0.1	0.1	0.2	4.7	0.2	0.2	0.2	0.2	0.2	0.3	0.2	**7.5**	7.5	4.7	0.0	0.6	1.7	100.0
21	1.1	0.3	0.3	9.9	6.3	25.6	52.6	40.8	30.0	50.9	46.0	**85.2**	22.7	0.5	0.3	1.1	3.2	0.6	0.4											

0.2	0.1	0.2	0.2	0.2	85.2	52.6	0.1	15.8	23.0	100.0															
22	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.6	0.3	**9.3**	0.6	0.5	0.5	1.6	2.6	0.6	0.3	0.2	0.3						
0.2	0.1	0.2	0.1	0.1	9.3	2.6	0.1	0.8	1.8	100.0															
23	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	5.3	2.9	0.3	0.1	0.1	0.2	0.2						
0.1	-0.0	0.2	0.2	**8.3**	8.3	5.3	-0.0	0.8	1.9	100.0															
24	22.0	23.8	9.6	1.0	1.7	0.6	0.4	5.2	6.6	7.3	PMA	PMA	0.7	29.6	8.6	5.1	0.4	0.3	0.3						
0.2	3.8	**32.1**	10.2	15.6	32.1	29.6	0.2	8.4	9.7	91.7															
25	6.8	4.9	0.9	3.0	0.5	0.3	0.4	4.6	8.2	16.1	22.1	11.7	**23.3**	5.2	4.1	6.8	0.6	0.3	0.4						
SPN	SPN	22.5	18.9	21.1	23.3	22.5	0.3	8.3	8.2	91.7															
26	21.2	3.0	0.5	0.2	0.1	0.2	0.3	0.9	8.6	4.1	1.5	6.6	12.7	4.0	6.8	3.2	0.2	0.0	0.0						
0.1	0.1	0.3	12.0	**32.9**	32.9	21.2	0.0	5.0	7.8	100.0															
27	**27.5**	6.7	4.0	0.8	2.2	1.3	8.3	14.3	15.2	2.1	0.3	1.5	5.4	8.6	18.1	5.0	2.3	1.1	0.2						
0.9	3.8	6.5	6.1	11.5	27.5	18.1	0.2	6.4	6.6	100.0															
28	10.4	19.5	14.9	11.6	3.0	4.2	7.4	19.2	**28.5**	10.4	0.9	0.7	0.4	0.9	1.0	14.5	5.1	0.8	0.3						
1.4	9.7	14.7	3.8	0.7	28.5	19.5	0.3	7.7	7.6	100.0															
29	2.4	1.4	0.9	0.2	-0.0	0.0	0.1	0.1	0.0	0.1	0.6	1.3	0.3	0.1	0.4	0.1	0.1	0.0	0.1						
0.1	8.9	**54.7**	47.7	5.5	54.7	47.7	-0.0	5.2	14.0	100.0															
30	0.3	0.3	0.1	10.2	**17.9**	2.9	0.6	0.3	0.1	0.0	-0.0	-0.1	-0.1	-0.0	-0.1	-0.0	-0.1	-0.0	-0.0						
-0.1	-0.2	-0.1	-0.1	-0.1	17.9	10.2	-0.2	1.3	4.0	100.0															
31	-0.1	0.1	-0.0	-0.1	-0.1	-0.1	0.0	0.2	0.4	2.0	**4.2**	2.6	2.8	2.7	2.7	1.1	0.9	1.8	1.4						
0.6	0.1	0.1	0.0	-0.1	4.2	2.8	-0.1	1.0	1.2	100.0															

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
95.7	85.2	-0.2	2.9	8.2
Monthly Cap: 98.4				
May 13 11:00	May 21 11:00	May 30 20:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for June 2019

Report Month: June 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:30:41 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	-0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.2	0.3	2.9	**25.6**	14.1	0.8	5.0	1.4	0.2	0.2	0.2	CAL	CAL	0.3	0.4	0.2	25.6	14.1	-0.2	2.3	5.9	91.7
2	**0.2**	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	-0.0	0.1	0.1	-0.0	0.2	0.2	-0.0	0.1	0.1	100.0
3	0.0	0.0	0.1	0.0	-0.0	0.0	0.1	0.1	4.8	8.6	**47.0**	10.3	1.3	1.1	2.3	5.7	1.1	0.7	0.9	0.8	0.2	0.1	0.1	0.1	47.0	10.3	0.0	3.6	9.5	100.0
4	0.0	1.5	0.7	0.2	0.1	0.1	0.1	1.2	0.5	0.4	3.5	**12.1**	10.2	1.8	0.7	0.4	0.2	0.2	0.3	0.2	-0.0	0.2	0.0	0.1	12.1	10.2	0.0	1.4	3.0	100.0
5	0.0	0.1	0.1	0.1	0.1	-0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	**0.7**	0.0	0.1	0.0	0.1	-0.1	0.1	0.1	0.0	0.7	0.2	-0.1	0.1	0.1	100.0
6	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	**0.3**	0.2	0.1	0.1	0.2	0.1	0.1	-0.0	0.1	0.1	0.1	0.3	0.2	-0.0	0.1	0.1	100.0
7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	PMA	0.1	**0.2**	0.2	0.2	0.2	0.2	0.1	0.1	0.1	-0.0	0.2	0.2	0.2	0.2	0.2	-0.0	0.1	0.1	95.8
8	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	**0.7**	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	SPN	SPN	0.2	0.2	-0.1	0.7	0.3	-0.1	0.2	0.1	91.7
9	-0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.2	0.5	0.6	**16.4**	10.4	5.2	0.7	0.4	0.2	3.8	2.5	2.7	0.7	0.3	0.4	0.3	0.2	16.4	10.4	-0.1	1.9	3.8	100.0
10	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	QAS	QAS	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	**0.3**	0.2	-0.1	0.1	0.2	0.2	0.3	0.2	-0.1	0.1	0.1	91.7
11	0.2	0.1	0.1	0.1	0.2	0.2	0.4	0.4	**0.5**	0.4	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.0	0.1	0.1	-0.0	0.5	0.5	-0.0	0.2	0.1	100.0
12	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.8	**0.9**	0.7	0.7	0.5	0.4	0.4	0.3	0.4	0.3	0.2	-0.1	0.1	0.2	0.2	0.9	0.8	-0.1	0.3	0.3	100.0
13	0.1	-0.2	-0.0	-0.0	-0.1	0.0	0.1	0.5	0.6	0.4	**2.0**	1.8	0.2	0.1	0.1	0.2	0.6	0.7	0.3	0.2	0.0	0.1	0.1	0.0	2.0	1.8	-0.2	0.3	0.5	100.0
14	0.0	0.1	0.1	0.1	0.2	0.1	0.2	0.3	1.6	5.3	2.4	18.9	40.6	19.4	31.5	17.0	19.3	6.9	0.7	0.6	0.9	1.0	43.1	**65.4**	65.4	43.1	0.0	11.5	17.2	100.0
15	42.3	29.7	17.1	20.6	12.4	2.9	20.4	28.5	19.8	2.3	7.8	4.8	7.0	45.5	21.0	6.2	11.9	5.5	0.6	SPN	SPN	26.1	**72.3**	59.6	72.3	59.6	0.6	21.1	18.7	91.7
16	**13.2**	1.9	0.9	0.7	2.0	5.4	0.6	0.4	0.3	0.4	1.1	2.4	1.4	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	3.7	8.2	13.2	8.2	0.3	1.9	3.0	100.0
17	1.5	**15.0**	1.7	0.6	0.5	0.4	0.8	1.8	2.9	0.7	0.6	6.5	13.2	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	15.0	13.2	0.3	2.1	3.8	100.0
18	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	19.8	**67.1**	39.3	32.6	10.7	0.9	0.8	0.6	0.5	0.5	0.6	0.5	67.1	39.3	0.2	7.4	16.2	100.0
19	0.5	0.4	0.3	0.5	0.9	1.2	0.4	0.3	0.4	5.4	**6.2**	0.7	0.5	0.5	0.4	0.7	6.2	5.6	1.3	2.0	1.3	1.7	1.8	0.3	6.2	6.2	0.3	1.6	1.9	100.0
20	0.3	0.3	0.3	9.9	5.9	1.3	6.0	10.5	3.2	9.2	1.5	0.6	3.2	1.6	2.5	5.2	3.9	4.4	1.7	1.2	0.5	1.2	13.5	**29.9**	29.9	13.5	0.3	4.9	6.3	100.0
21	11.7	10.8	11.8	9.8	**26.6**	6.6	2.3	1.0	PMA	0.9	1.2	0.8	1.0	3.3	18.5	17.1	12.5	11.8	1.1											

0.7	0.4	0.9	1.4	8.6	26.6	18.5	0.4	7.0	7.1	95.8														
22	25.6	4.9	1.3	0.7	1.8	1.2	9.4	16.2	15.4	35.7	23.8	**48.5**	21.6	10.8	5.2	5.6	8.0	0.9	0.7	SPN	SPN	0.6	3.0	4.9	48.5	35.7	0.6	11.2	12.5	91.7
23	28.6	**76.1**	45.9	50.4	19.8	24.9	40.6	25.0	12.0	6.6	1.3	1.5	1.6	3.7	0.5	6.2	1.8	21.6	6.8	8.2	1.0	0.5	0.2	0.1	76.1	50.4	0.1	16.0	19.6	100.0
24	0.4	0.1	0.1	-0.0	0.0	1.0	1.1	0.2	0.2	0.8	**10.9**	1.1	4.9	6.3	1.7	0.5	0.2	1.1	1.2	0.4	0.2	0.1	0.1	0.1	10.9	6.3	-0.0	1.4	2.5	100.0
25	0.1	0.2	9.8	6.8	1.5	0.4	0.4	0.8	7.4	**17.0**	8.6	1.9	3.8	6.2	1.7	0.7	0.7	0.7	0.5	7.2	12.9	7.3	9.1	3.2	17.0	12.9	0.1	4.5	4.5	100.0
26	0.8	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.3	0.3	8.9	20.4	**22.9**	5.4	0.5	0.3	0.3	2.3	0.2	0.2	0.1	0.1	0.2	22.9	20.4	0.0	2.7	6.1	100.0
27	0.6	0.4	0.2	0.0	0.0	0.0	0.1	0.7	3.4	14.3	22.6	**61.9**	17.7	1.8	3.5	1.1	0.8	0.4	0.3	0.2	0.1	0.2	0.0	0.0	61.9	22.6	0.0	5.4	13.2	100.0
28	0.0	0.1	0.0	0.0	-0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	**1.7**	0.3	0.2	0.2	0.1	0.2	0.2	0.2	-0.0	0.0	0.1	0.1	1.7	0.4	0.0	0.2	0.3	100.0
29	0.1	0.2	0.1	0.1	1.7	3.1	0.4	0.2	0.1	0.1	2.9	3.2	**6.2**	4.5	2.0	0.5	0.2	0.2	0.3	CAL	CAL	0.5	0.1	-0.0	6.2	4.5	-0.0	1.2	1.7	91.7
30	-0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.0	1.8	0.4	-0.0	0.1	-0.0	-0.2	0.5	12.2	**14.0**	14.0	12.2	-0.2	1.2	3.6	100.0

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max Monthly Cap	Monthly SH	Monthly Min	Monthly Avg	Monthly STD
76.1 98.1	72.3	-0.2	3.7	9.5
June 23 01:00	June 15 22:00	June 1 05:00		

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for July 2019

Report Month: July 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:30:55 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	2.7	1.9	1.5	2.5	6.0	5.8	0.6	0.3	0.2	0.2	0.4	2.8	9.1	7.6	**11.0**	0.8	0.4	0.2	1.9	0.7	-0.0	0.0	0.0	0.0	11.0	9.1	-0.0	2.4	3.1	100.0
2	0.8	0.3	0.0	0.1	-0.0	-0.0	0.2	2.7	PMA	2.7	0.4	0.4	7.0	2.0	0.2	0.1	0.1	0.1	0.1	0.1	8.1	**16.4**	4.5	0.4	16.4	8.1	0.0	2.0	3.8	95.8
3	0.2	0.1	0.1	0.1	0.2	0.4	0.5	0.4	0.2	0.1	0.1	**18.3**	5.2	1.0	0.5	0.7	0.5	2.4	0.6	0.3	0.1	1.3	0.3	0.4	18.3	5.2	0.1	1.4	3.7	100.0
4	0.9	0.2	15.0	23.7	9.0	7.9	4.6	9.9	3.8	1.5	0.3	8.2	1.1	0.5	0.9	1.1	0.7	0.2	0.2	0.1	3.8	15.4	**49.5**	23.5	49.5	23.7	0.1	7.6	11.2	100.0
5	4.4	5.6	**7.5**	2.3	0.5	0.2	0.2	0.2	0.1	0.0	0.0	2.1	4.6	2.0	0.2	0.1	1.1	1.0	0.2	0.2	-0.0	0.1	0.1	0.7	7.5	5.6	0.0	1.4	2.0	100.0
6	**2.9**	0.3	0.1	0.1	0.2	0.2	0.1	0.2	1.6	1.7	1.5	1.0	0.9	0.7	1.4	1.3	0.3	0.2	0.2	SPN	SPN	0.2	1.0	0.4	2.9	1.7	0.1	0.8	0.7	91.7
7	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5	2.5	**4.8**	0.7	0.7	0.5	0.3	0.2	0.2	0.4	0.4	4.8	2.5	0.1	0.6	1.0	100.0
8	0.4	0.3	0.7	0.5	0.2	0.2	0.2	0.3	0.3	0.3	0.7	0.6	1.2	0.7	**3.4**	0.8	1.9	0.3	0.3	0.2	0.2	0.2	0.4	0.6	3.4	1.9	0.2	0.6	0.7	100.0
9	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.6	0.5	**5.1**	2.2	0.4	0.3	0.5	0.2	0.2	0.2	0.2	0.3	0.5	0.4	5.1	2.2	0.1	0.6	1.0	100.0
10	0.3	0.4	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.6	9.7	2.9	0.6	1.8	1.0	3.4	**12.5**	7.5	3.5	0.3	0.2	0.2	0.2	12.5	9.7	0.2	2.0	3.2	100.0
11	0.2	0.3	0.2	0.2	0.2	0.0	0.2	0.5	0.6	0.5	**2.2**	2.1	1.6	1.9	1.2	1.6	1.0	1.3	0.4	0.3	0.1	0.2	0.3	0.4	2.2	2.1	0.0	0.7	0.7	100.0
12	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	**0.5**	PMA	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.5	0.4	0.2	0.3	0.1	95.8
13	0.2	0.3	0.3	0.3	0.3	0.3	0.3	**0.4**	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	SPN	SPN	0.2	0.2	0.4	0.4	0.3	0.2	0.3	0.1	91.7
14	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.4	**0.5**	0.5	0.4	0.4	0.5	0.5	0.1	0.3	0.1	100.0
15	0.4	0.4	0.4	0.2	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	6.7	12.8	**14.9**	12.6	14.9	12.8	0.2	2.2	4.4	100.0
16	5.1	1.3	0.8	0.8	1.4	1.2	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	**7.9**	1.1	2.1	5.0	7.9	5.1	0.2	1.3	1.9	100.0
17	5.5	1.3	0.5	0.4	0.3	0.3	0.3	0.4	0.9	0.9	0.6	0.4	1.5	0.9	0.3	3.4	0.3	0.3	0.3	0.3	1.6	5.7	12.7	**18.2**	18.2	12.7	0.3	2.4	4.3	100.0
18	6.3	8.7	3.1	0.8	0.4	0.4	0.3	0.4	0.3	0.5	0.4	0.4	4.7	12.3	5.7	2.7	1.5	0.8	0.3	0.3	0.2	0.3	9.8	**19.3**	19.3	12.3	0.2	3.3	4.8	100.0
19	3.8	0.9	0.5	0.5	1.6	2.3	3.2	2.1	0.6	0.3	1.0	14.4	5.7	5.9	1.7	5.6	4.3	1.3	0.4	0.2	0.2	0.4	**15.1**	6.1	15.1	14.4	0.2	3.3	4.0	100.0
20	4.7	0.9	0.6	0.6	0.4	0.4	5.6	3.1	0.6	0.4	0.7	0.5	3.4	2.2	1.6	0.9	0.5	0.6	0.4	SPN	SPN	7.8	**11.8**	1.3	11.8	7.8	0.4	2.2	2.9	91.7
21	0.4	0.3	0.7	**12.0**	7.4	1.1	0.8	0.5	0.3	0.4	0.3	0.3	0.9	4.5	0.6	0.5	0.3	0.2	0.2											

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
																				0.2	0.2	5.5	3.0	0.5	12.0	7.4	0.2	1.7	2.8	100.0
22	0.3	0.2	0.1	0.1	0.3	0.2	0.2	0.3	0.2	PMA	CAL	CAL	CAL	0.3	0.2	0.1	-0.0	0.1	0.0	-0.1	0.1	0.0	0.0	**0.4**	0.4	0.3	-0.1	0.1	0.1	83.3
23	0.6	0.3	0.5	**1.4**	1.3	0.5	0.6	0.7	0.2	0.2	QAS	QAS	0.3	0.3	0.2	0.2	0.2	0.7	0.0	-0.0	-0.2	-0.1	0.0	-0.0	1.4	1.3	-0.2	0.4	0.4	91.7
24	-0.1	-0.1	-0.1	-0.1	-0.1	-0.0	-0.1	0.6	**0.7**	0.3	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	-0.2	-0.0	-0.0	-0.0	0.7	0.6	-0.2	0.1	0.2	100.0
25	-0.0	-0.1	-0.1	-0.0	0.0	0.0	0.2	**0.5**	0.3	0.2	PMA	0.1	0.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.2	0.0	-0.0	-0.1	0.5	0.3	-0.2	0.0	0.1	95.8
26	-0.1	-0.1	-0.0	-0.0	-0.0	-0.0	-0.0	0.3	1.1	1.7	**2.6**	0.1	0.1	0.3	0.5	0.3	0.3	0.3	0.4	0.3	-0.1	0.1	0.0	0.1	2.6	1.7	-0.1	0.3	0.6	100.0
27	0.0	0.1	0.0	-0.0	-0.1	-0.1	0.0	0.4	0.5	**1.2**	0.4	0.2	0.1	0.3	0.3	0.2	0.3	0.6	0.7	CAL	CAL	0.1	0.1	0.1	1.2	0.7	-0.1	0.2	0.3	91.7
28	0.1	0.1	0.1	0.1	0.1	1.4	9.1	6.9	3.1	0.9	1.4	0.3	6.0	**13.4**	8.3	1.9	7.1	0.5	0.2	0.2	0.1	0.5	3.5	0.9	13.4	9.1	0.1	2.8	3.6	100.0
29	0.9	16.5	**17.5**	5.3	9.7	2.1	0.9	0.6	0.5	0.3	0.2	0.2	0.5	1.4	1.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	17.5	16.5	0.0	2.5	4.8	100.0
30	4.0	**4.5**	0.7	0.3	0.3	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.6	0.4	0.3	0.2	0.3	3.7	1.2	1.5	1.2	0.8	0.3	0.1	4.5	4.0	0.1	1.0	1.2	100.0
31	0.1	0.1	0.2	0.0	0.1	0.1	0.1	0.1	1.4	**4.0**	0.5	0.2	0.2	0.4	1.0	0.8	0.7	0.4	0.2	0.2	-0.0	0.2	0.1	0.2	4.0	1.4	0.0	0.5	0.8	100.0

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
49.5 July 4 22:00	23.7 July 4 03:00	-0.2 July 23 20:00	1.5	3.6	97.7

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for August 2019

Report Month: August 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:31:10 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.2	0.2	0.1	0.6	1.4	0.3	0.2	0.2	0.3	0.4	5.5	**24.8**	10.3	2.5	0.6	0.4	0.4	0.4	0.5	0.4	0.1	0.2	0.2	0.2	24.8	10.3	0.1	2.1	5.2	100.0
2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	**0.3**	0.3	0.1	0.1	0.1	0.1	-0.1	0.2	0.1	0.1	0.3	0.3	-0.1	0.1	0.1	100.0
3	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	8.6	9.1	3.5	9.2	**65.3**	24.1	17.9	2.0	1.0	SPN	SPN	0.2	0.2	0.1	65.3	24.1	0.1	6.5	14.3	91.7
4	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.3	0.3	15.7	**26.0**	2.7	1.1	0.4	0.3	0.3	0.4	0.4	0.4	0.7	0.3	0.4	0.3	0.6	26.0	15.7	0.0	2.1	5.9	100.0
5	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	1.0	**25.9**	15.4	3.8	1.1	0.2	0.2	0.1	0.1	-0.0	0.1	0.1	0.3	25.9	15.4	0.0	2.0	5.9	100.0
6	0.3	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.6	0.4	0.5	4.6	**6.4**	0.5	0.4	1.0	0.3	1.3	2.6	0.4	0.4	2.9	6.4	4.6	0.0	1.0	1.6	100.0
7	1.4	0.4	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.3	0.4	1.8	**7.9**	5.6	6.4	2.0	0.4	0.2	0.2	0.2	0.1	0.1	0.8	7.9	6.4	0.0	1.2	2.1	100.0
8	4.5	5.0	0.5	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.4	8.8	6.4	2.6	1.3	0.7	0.1	0.1	0.0	0.1	0.1	1.3	**23.3**	23.3	8.8	0.0	2.3	4.9	100.0
9	14.0	3.0	0.6	0.4	0.4	0.6	0.7	0.4	0.2	0.1	0.1	0.1	PMA	2.8	**20.1**	3.8	0.3	0.2	0.2	0.2	0.9	0.6	6.0	1.5	20.1	14.0	0.1	2.5	4.8	95.8
10	0.6	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	1.8	1.3	7.1	2.6	7.1	4.0	0.4	SPN	SPN	0.9	0.4	**8.2**	8.2	7.1	0.1	1.6	2.5	91.7
11	1.1	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	3.4	1.1	6.9	15.6	**20.6**	6.9	2.1	0.9	0.2	0.3	0.3	0.4	1.9	6.3	20.6	15.6	0.2	2.9	5.1	100.0
12	0.4	0.3	0.4	0.3	0.4	0.2	0.3	0.3	0.2	0.2	0.3	1.2	12.1	**34.8**	15.0	4.0	6.9	2.7	0.7	0.3	0.4	0.5	0.3	10.7	34.8	15.0	0.2	3.9	7.7	100.0
13	7.6	0.6	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.3	0.4	0.4	24.1	**114.8**	44.2	22.8	24.4	32.3	22.8	6.8	1.8	1.8	1.4	0.7	114.8	44.2	0.2	12.9	24.6	100.0
14	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	QAS	QAS	QAS	0.3	**0.9**	0.5	0.2	0.1	0.1	0.1	0.1	-0.1	0.1	0.1	0.1	0.9	0.5	-0.1	0.3	0.2	87.5
15	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.5	**0.6**	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	-0.1	0.2	0.2	0.2	0.6	0.5	-0.1	0.2	0.1	100.0
16	0.3	0.1	0.1	0.2	0.0	0.1	0.2	1.5	10.8	5.2	6.1	5.2	0.5	0.3	0.3	0.3	0.1	0.2	0.2	0.3	0.5	0.5	0.6	**16.3**	16.3	10.8	0.0	2.1	3.9	100.0
17	3.1	0.6	0.4	0.4	0.1	0.1	0.7	0.8	0.3	0.2	11.3	**23.3**	13.2	14.4	21.6	0.9	0.4	0.3	0.3	SPN	SPN	0.3	0.3	0.3	23.3	21.6	0.1	4.2	7.2	91.7
18	**37.5**	8.8	4.0	6.8	2.0	0.8	1.6	1.3	0.6	0.4	0.3	0.3	0.3	9.8	3.1	4.5	PMA	PMA	PMA	PMA	PMA	AQI	AQI	AQI	37.5	9.8	0.3	5.1	8.9	66.7
19	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	AQI	SPN	**57.3**	9.2	4.5	0.3	0.3	0.3	0.3	0.2	0.2	11.1	1.4	0.4	57.3	11.1	0.2	7.1	15.6	50.0
20	0.4	2.4	1.2	0.6	0.4	0.5	0.5	0.5	0.8	0.9	21.2	20.2	2.2	2.3	**26.9**	6.7	3.7	2.3	1.5	0.8	0.4	0.5	0.4	0.4	26.9	21.2	0.4	4.1	7.3	100.0
21	0.5	2.1	1.3	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5	18.8	10.7	**24.8**	2.4	0.7	0.4	0.6	0.5											

																				0.5	0.4	3.0	5.0	0.6	24.8	18.8	0.4	3.2	6.1	100.0
22	0.5	0.6	0.6	0.5	0.5	0.4	0.6	0.5	QAS	QAS	0.5	2.2	13.0	14.1	17.3	3.6	0.9	0.6	0.6	0.6	6.4	**44.9**	18.5	8.7	44.9	18.5	0.4	6.2	10.3	91.7
23	**12.6**	5.2	1.6	1.0	0.7	0.8	1.0	5.9	2.4	0.9	0.7	4.5	11.1	3.1	0.7	0.7	2.1	0.7	0.5	0.5	0.5	0.6	0.6	3.1	12.6	11.1	0.5	2.6	3.2	100.0
24	**4.3**	1.0	0.7	0.6	0.4	0.6	0.6	1.2	1.3	0.9	0.7	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	CAL	CAL	0.7	0.6	0.7	4.3	1.3	0.4	0.8	0.8	91.7
25	0.7	0.6	0.7	0.7	0.8	0.6	0.7	0.8	0.7	1.6	5.1	5.0	11.9	**12.6**	9.6	6.0	3.2	1.0	0.8	0.7	4.2	8.1	1.8	0.8	12.6	11.9	0.6	3.3	3.7	100.0
26	11.2	20.9	9.7	2.0	1.1	0.9	0.8	0.7	0.7	0.8	0.8	2.0	**27.4**	18.5	24.5	15.6	3.7	1.8	0.8	0.9	0.7	1.2	25.8	5.7	27.4	25.8	0.7	7.4	9.1	100.0
27	**9.3**	4.1	1.2	1.0	1.3	2.1	0.9	0.8	1.2	0.7	0.6	0.6	0.7	0.9	1.5	0.8	0.7	1.5	4.1	2.8	1.3	0.8	0.7	0.7	9.3	4.1	0.6	1.7	1.9	100.0
28	0.7	0.7	0.7	0.7	0.7	0.6	2.5	3.1	2.1	0.9	0.6	0.6	0.6	0.7	1.0	1.5	2.8	**3.5**	1.8	2.0	1.2	0.9	0.8	0.8	3.5	3.1	0.6	1.3	0.9	100.0
29	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	6.4	**13.0**	2.4	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	13.0	6.4	0.6	1.5	2.7	100.0
30	0.9	1.1	0.8	0.9	0.7	0.6	0.6	2.4	2.9	2.6	2.0	**5.0**	1.1	1.0	0.8	1.2	1.5	0.9	1.0	0.9	0.8	0.7	0.6	0.7	5.0	2.9	0.6	1.3	1.0	100.0
31	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.8	0.9	1.3	**1.4**	1.1	1.0	1.3	1.0	0.8	0.8	0.8	0.8	SPN	SPN	0.2	0.2	0.2	1.4	1.3	0.2	0.8	0.3	91.7
Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD	Monthly Cap
114.8 August 13 13:00	65.3 August 3 14:00	-0.1 August 2 20:00	3.0	7.8	95.2

PLEASE NOTE: *This data has not been verified by the TCEQ and may change. This is the most current data, but it is not official until it has been certified by our technical staff.*

CAMS 1082 Monthly Sulfur Dioxide Summary Report for September 2019

Report Month: September 2019 **Site Description:** Tatum CR 2181d Martin Creek Lake C1082 **EPA Site:** 48_401_1082 **Report Generated:** September 18, 2019 18:31:34 CDT

Parameter: Sulfur Dioxide (POC 1) measured in parts per billion All times are reported in Central Standard Time

Data from this instrument meets EPA quality assurance criteria for regulatory purposes.

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap
1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.4	**0.6**	0.6	0.2	0.4	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.1	0.6	0.6	0.1	0.2	0.2	100.0
2	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.4	1.3	4.4	**11.4**	3.1	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	11.4	4.4	0.0	1.0	2.4	100.0
3	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	**0.8**	0.6	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.8	0.6	0.1	0.3	0.2	100.0
4	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.6	0.5	0.4	0.3	0.4	**0.7**	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.1	0.1	0.7	0.6	0.1	0.3	0.2	100.0
5	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.7	4.6	8.8	19.4	**42.0**	24.2	5.8	4.4	6.2	7.3	4.5	2.6	3.1	2.2	2.6	4.3	42.0	24.2	0.1	6.0	9.5	100.0
6	2.3	1.3	1.0	0.6	0.5	0.4	0.3	0.4	0.5	0.5	4.3	14.8	PMA	PMA	18.3	**18.4**	2.6	1.3	1.1	0.9	0.9	0.7	0.6	0.4	18.4	18.3	0.3	3.3	5.6	91.7
7	0.3	0.3	0.4	0.4	0.3	0.5	0.6	0.6	0.6	0.8	0.7	0.7	4.5	11.5	**11.6**	6.7	4.7	1.0	0.5	SPN	SPN	11.3	2.0	0.5	11.6	11.5	0.3	2.8	3.8	91.7
8	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.3	0.4	0.7	2.8	7.0	1.2	9.0	2.6	1.3	10.8	0.9	0.2	0.2	0.2	**41.4**	9.6	1.4	41.4	10.8	0.2	3.9	8.5	100.0
9	0.7	0.3	0.2	0.2	0.2	0.3	0.2	0.4	0.3	0.3	0.4	7.7	4.1	**16.8**	5.2	0.3	1.4	0.2	0.2	0.2	0.0	0.1	0.1	0.1	16.8	7.7	0.0	1.7	3.7	100.0
10	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.2	9.5	5.2	**11.4**	3.6	2.3	0.4	0.3	0.2	0.1	0.2	0.2	0.5	1.0	5.1	4.3	8.8	11.4	9.5	0.1	2.3	3.3	100.0
11	4.2	25.2	15.1	3.5	2.9	1.6	0.8	5.5	22.0	7.4	**37.2**	32.3	22.6	0.6	0.4	1.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	37.2	32.3	0.2	7.7	11.2	100.0
12	0.3	0.4	0.5	0.3	0.2	0.4	0.3	0.1	3.9	1.1	11.4	24.8	24.8	**37.1**	0.6	0.9	0.3	0.2	0.3	0.3	0.3	0.5	0.4	0.3	37.1	24.8	0.1	4.6	9.7	100.0
13	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.5	0.5	**0.6**	0.6	0.4	0.6	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.3	0.2	0.3	0.6	0.6	0.0	0.3	0.2	100.0
14	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.4	**0.5**	0.3	0.2	0.3	0.2	0.3	0.2	0.1	0.2	SPN	SPN	0.2	0.2	0.2	0.5	0.4	0.1	0.2	0.1	91.7
15	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.4	**1.8**	0.6	0.5	0.8	0.8	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.2	0.2	0.1	1.8	0.8	0.0	0.4	0.4	100.0
16	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.8	1.8	0.4	0.4	0.7	0.6	0.4	0.4	0.3	0.2	0.4	**31.1**	6.3	0.6	0.3	31.1	6.3	0.2	2.0	6.2	100.0
17	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.7	**1.7**	1.3	1.7	1.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.0	0.2	0.2	0.1	1.7	1.7	0.0	0.4	0.5	100.0
18	0.1	**0.2**	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	FEW							0.2	0.2	0.1	0.2	0.1	94.4

Day	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	SH	Min	Avg	STD	Cap

Monthly Max	Monthly SH	Monthly Min	Monthly Avg	Monthly STD

Monthly Cap					
42.0 98.4	41.4	0.0	2.1	5.8	
September 5 12:00	September 8 21:00	September 2 00:00			

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