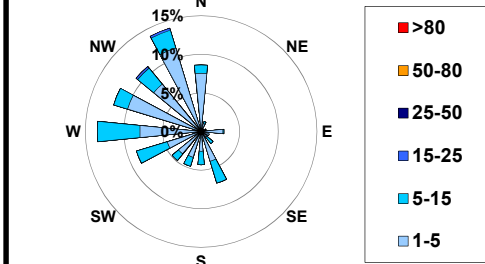
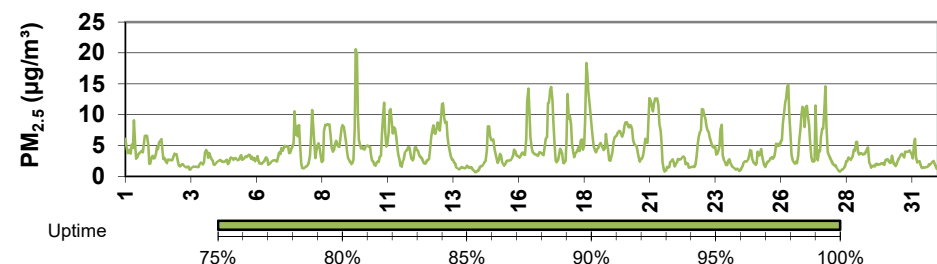
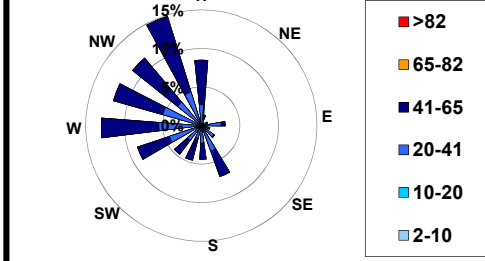
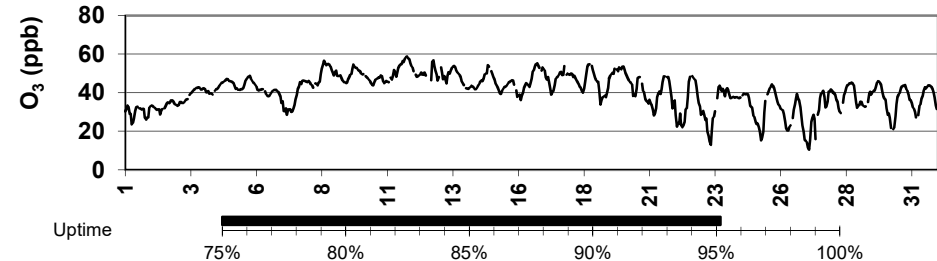
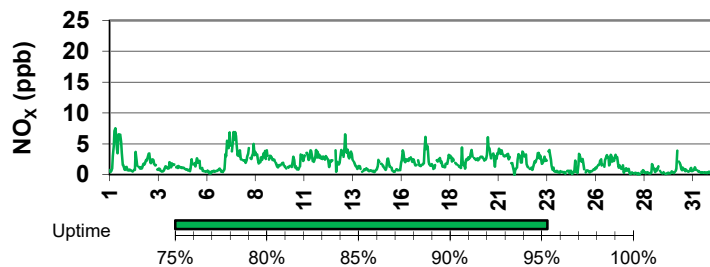
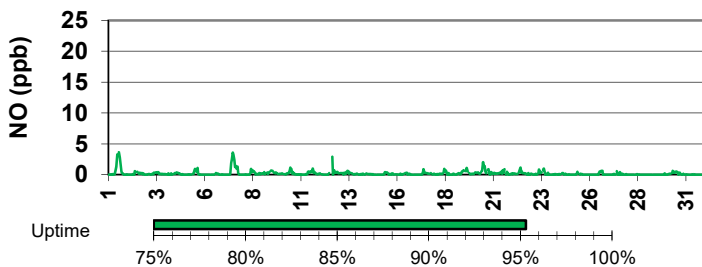
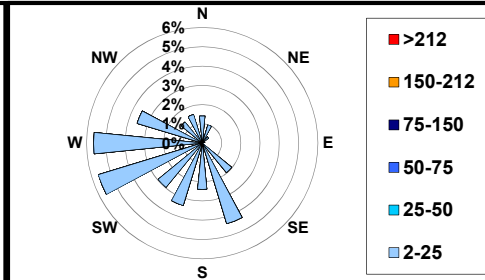
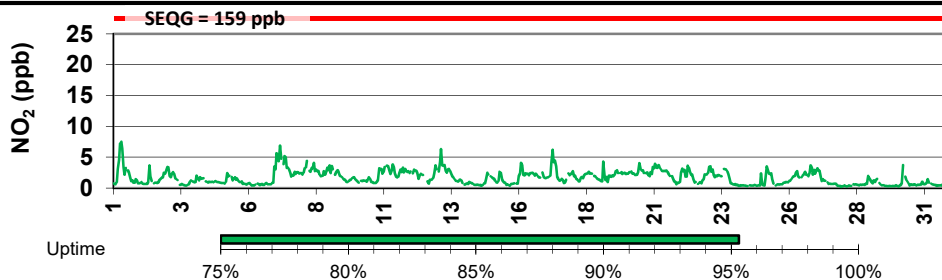
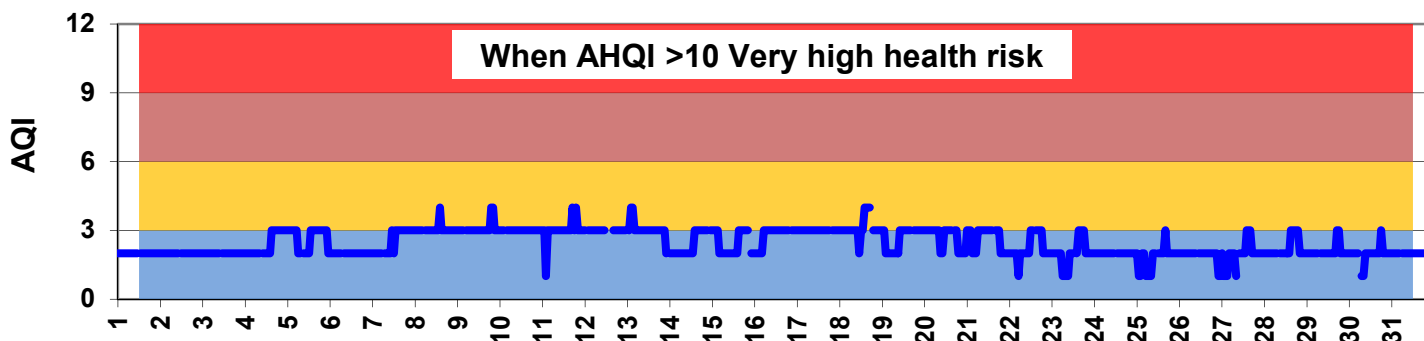
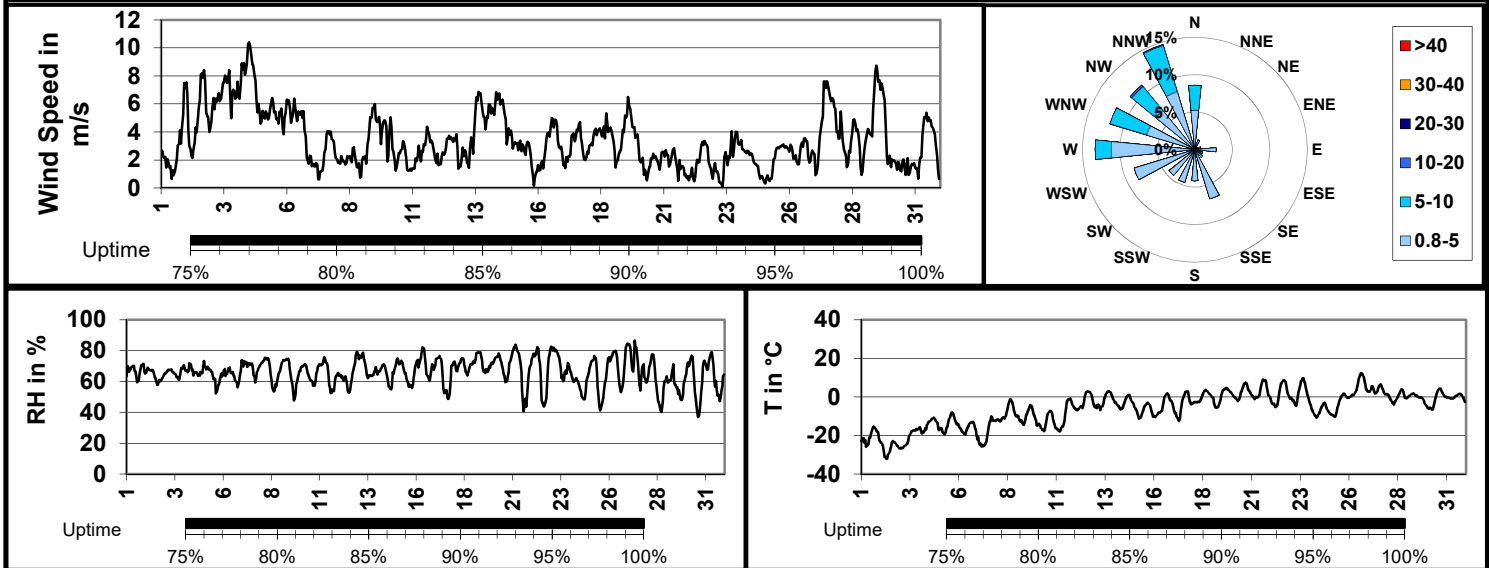


SESAA - March 2019 Esterhazy Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	95.3%	3.6	-	Mar-01 13:00	0.8	-	Mar-07	- / -
NO ₂ (ppb)	1.7	95.3%	7.5	159	Mar-01 07:00	3.3	106	Mar-07	0 / 0
NO _x (ppb)	1.8	95.3%	7.5	-	Mar-01 07:00	4.1	-	Mar-07	- / -
SO ₂ (ppb)									
H ₂ S (ppb)									
O ₃ (ppb)	40.8	95.2%	58.8	82	Mar-11 18:00	50.7	63	Mar-11	0 / 0
PM _{2.5} (µg/m ³)	4.3	100.0%	20.6	-	Mar-09 19:00	7.6	30	Mar-26	- / 0



SESAA - March 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
3/9/2019 19:00	1.4	-	-	52.8	20.6	4.0	304.1	-7.0	58.0

Update Summary:

There were no exceedances in the month of March 2019

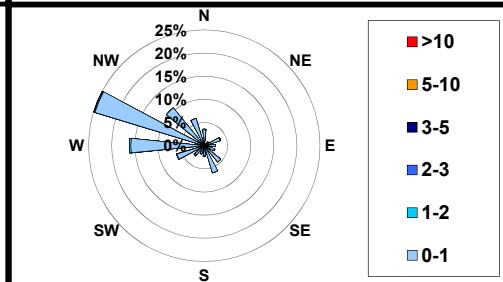
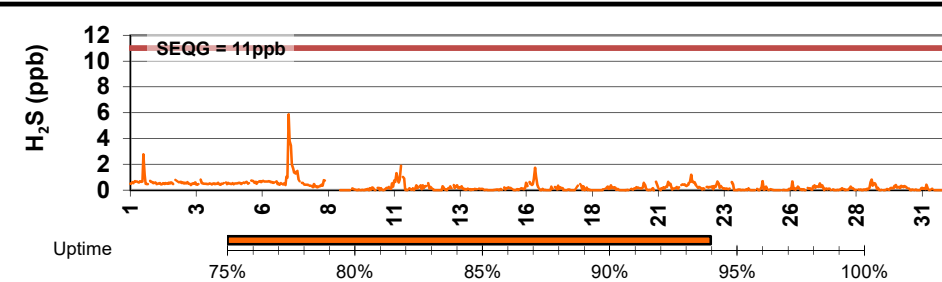
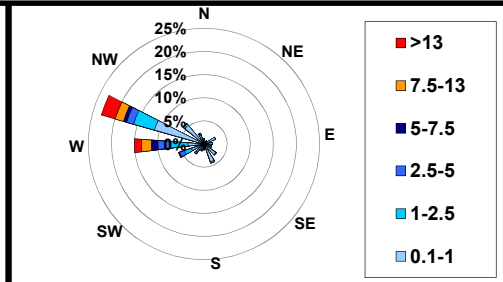
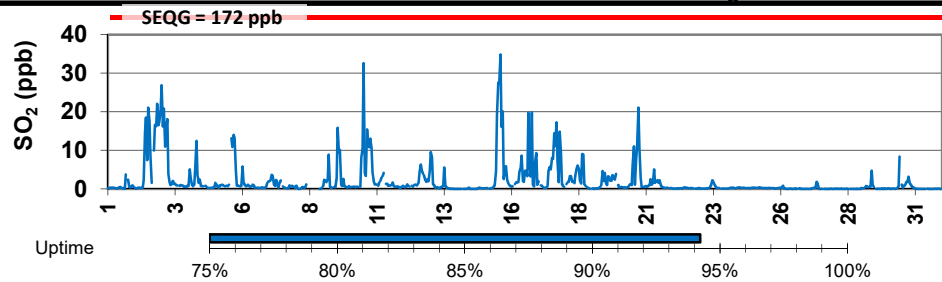
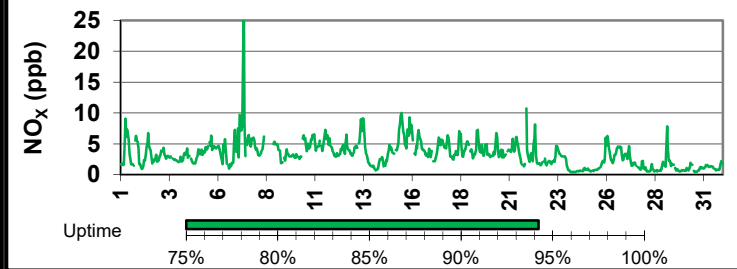
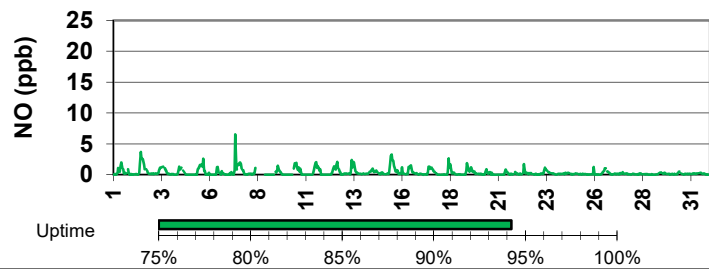
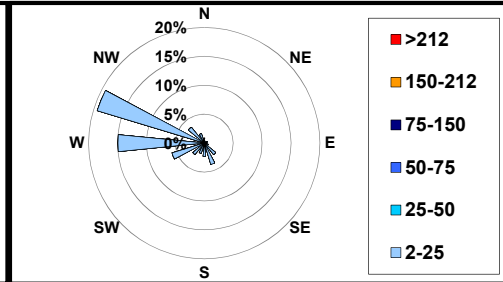
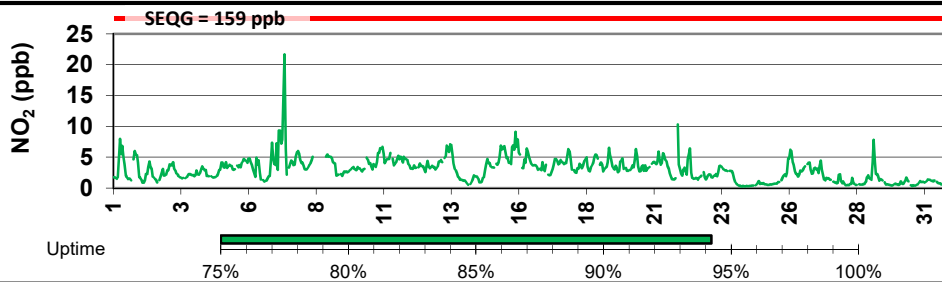
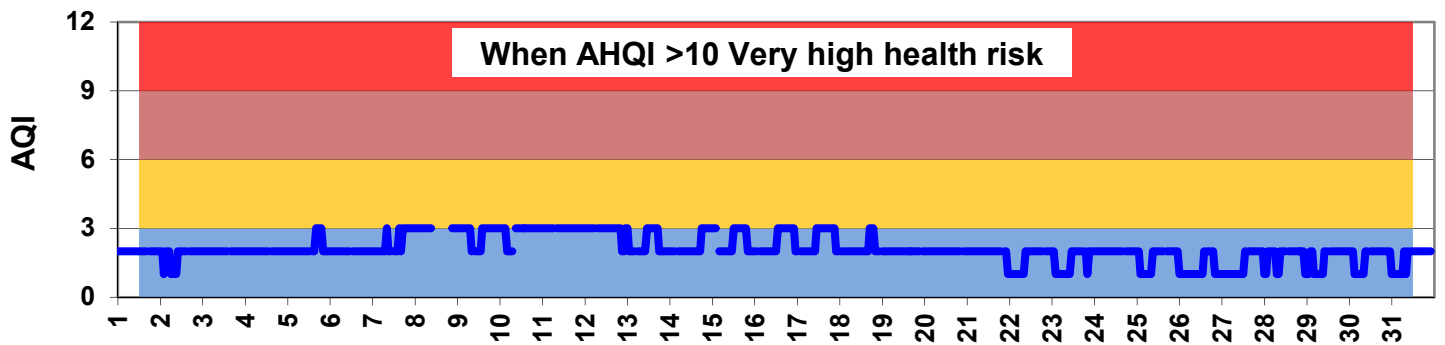
All instruments remained >95% uptime.

Data showed a low to moderate Air Quality Health Index (AQHI) for the month.

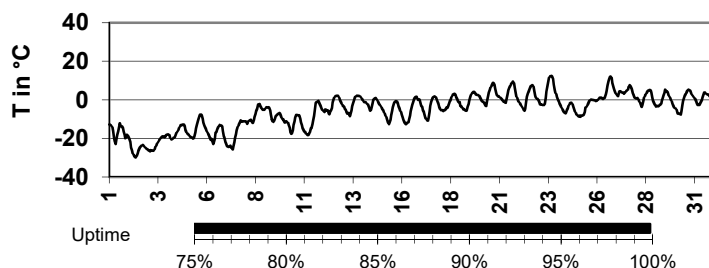
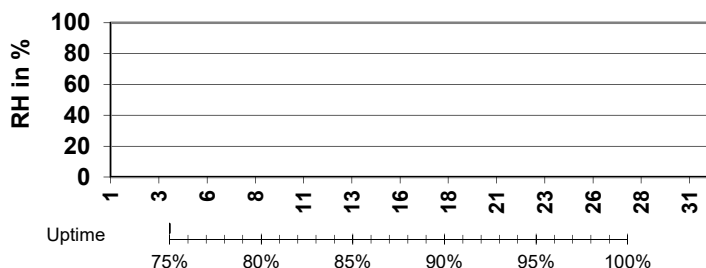
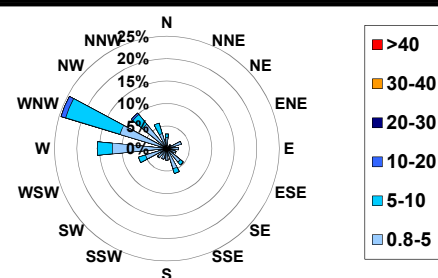
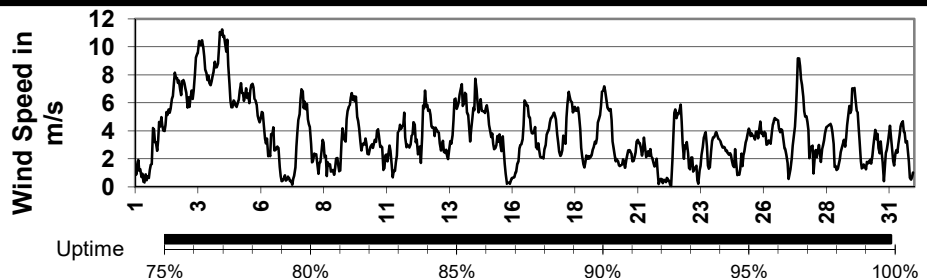
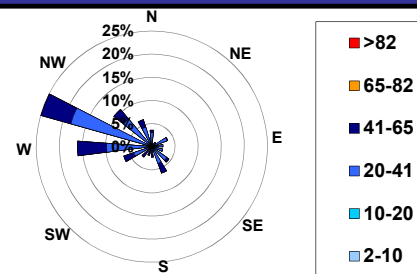
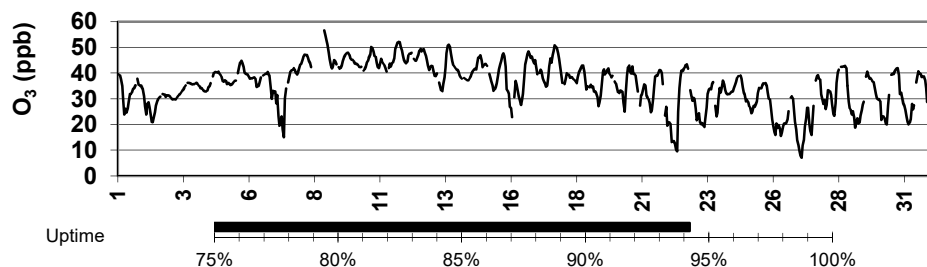
The quarterly calibration was completed on March 12, 2019.

SESAA - March 2019 Glen Ewen Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.4	94.2%	6.6	-	Mar-07 08:00	0.9	-	Mar-07	- / -
NO ₂ (ppb)	3.0	94.2%	21.7	159	Mar-07 08:00	6.2	106	Mar-07	0 / 0
NO _x (ppb)	3.3	94.2%	28.2	-	Mar-07 08:00	7.0	-	Mar-07	- / -
SO ₂ (ppb)	2.1	94.2%	34.8	172	Mar-15 14:00	8.9	-	Mar-02	0 / 0
H ₂ S (ppb)	0.3	94.0%	5.9	11	Mar-07 00:00	1.2	3.6	Mar-07	0 / 0
O ₃ (ppb)	35.4	94.2%	56.7	82	Mar-08 21:00	44.2	63	Mar-12	0 / 0
PM _{2.5} (µg/m ³)									



SESAA - March 2019 Glen Ewen Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
3/7/2019 0:00	3.7	2.0	5.9	32.8	-	0.5	337.9	-22.7	0.0

Update Summary:

There were no exceedance s in the month of March 2019, the maximum hydrogen sulphide was during winds from the north-west.

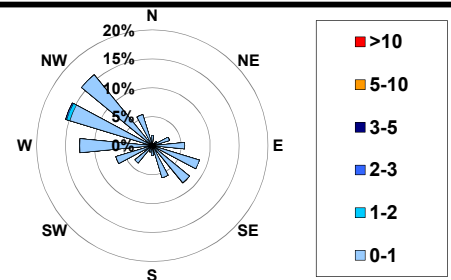
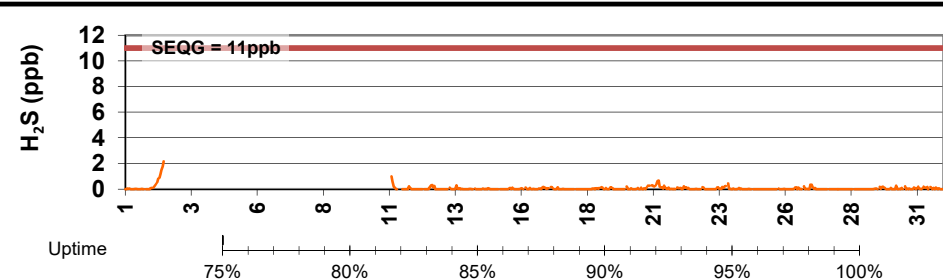
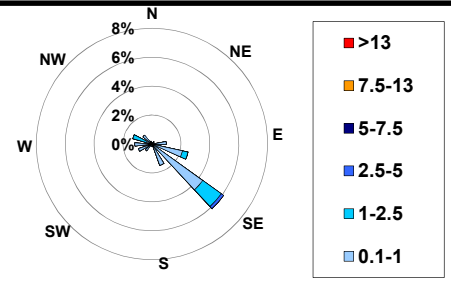
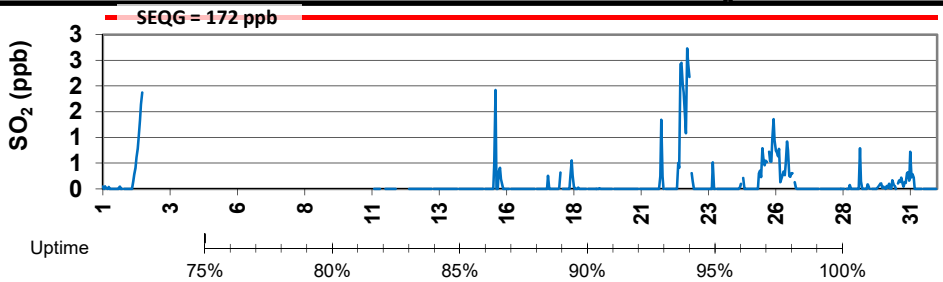
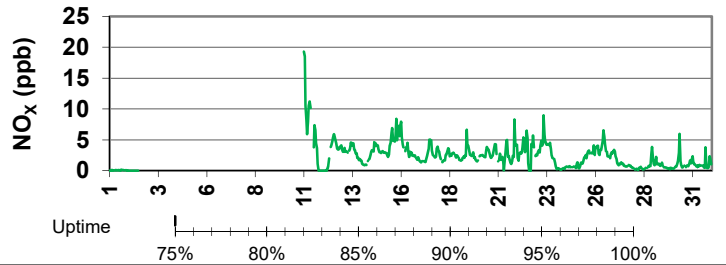
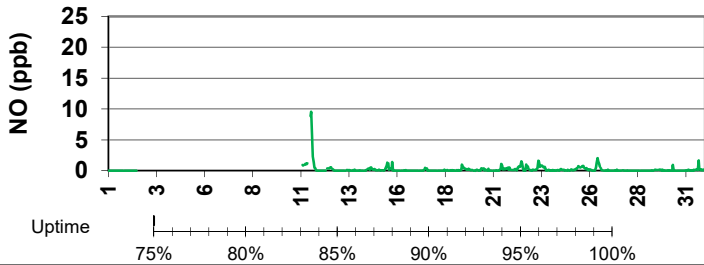
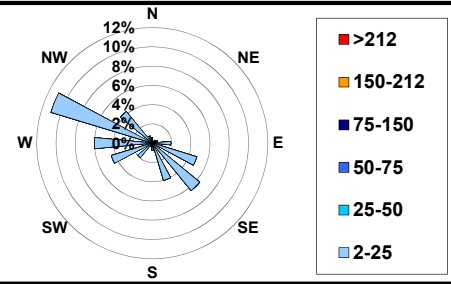
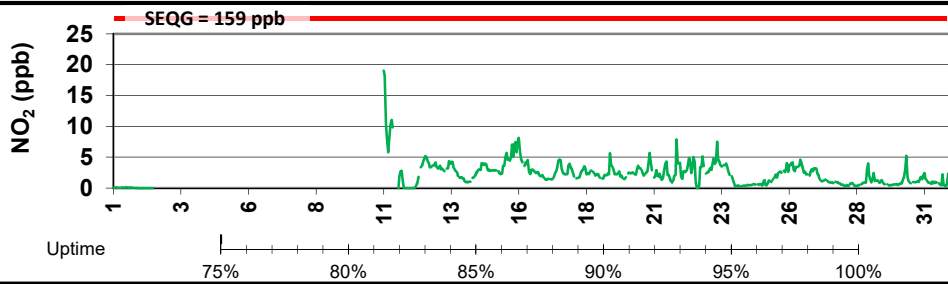
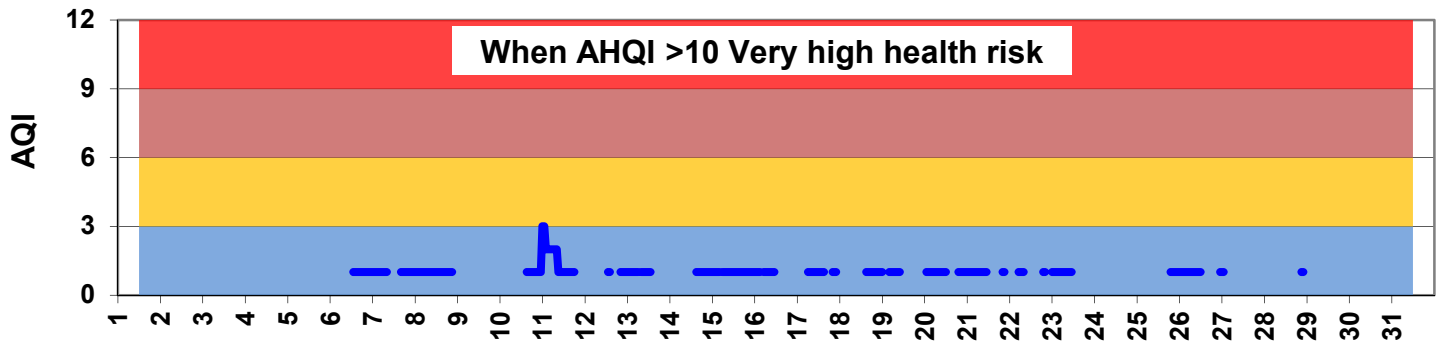
Instrument uptimes were >94% .

Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of PM2.5).

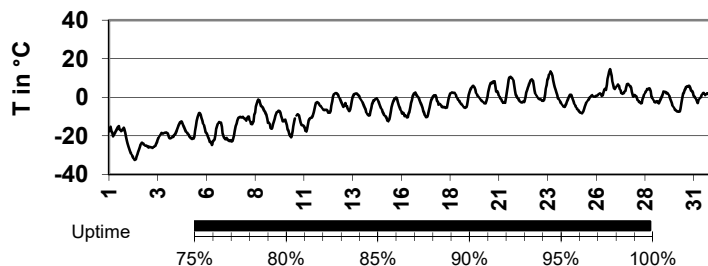
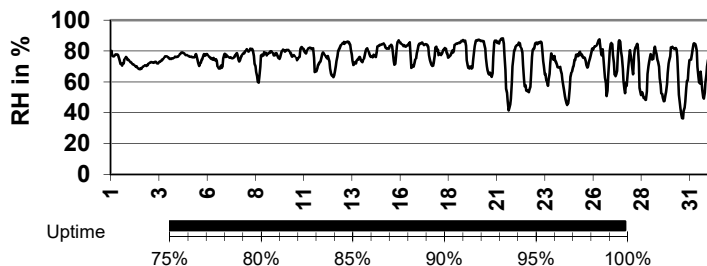
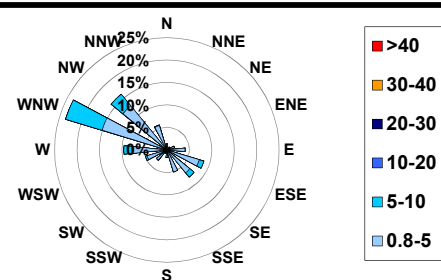
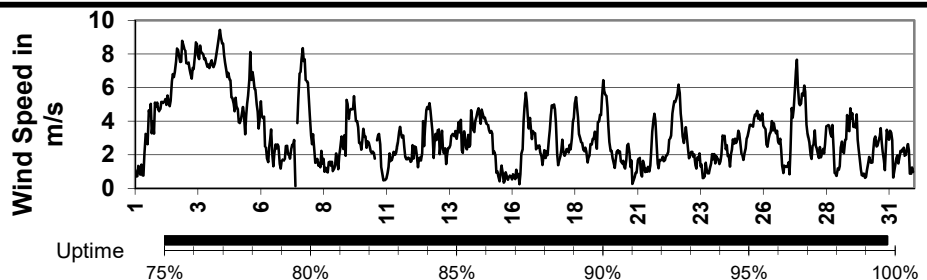
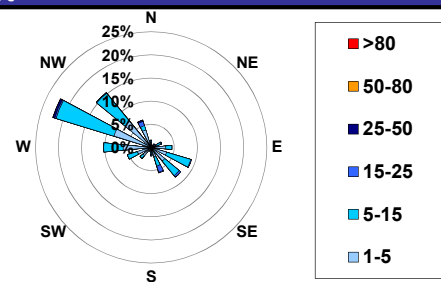
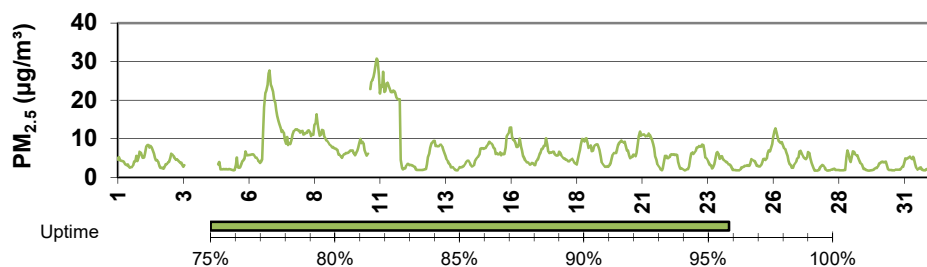
Quaterly Calibrations began on March 07, and completed on March 08.

SESAA - March 2019 Stoughton Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	69.0%	9.6	-	Mar-11 13:00	1.5	-	Mar-11	- / -
NO ₂ (ppb)	2.2	69.1%	19.0	159	Mar-11 00:00	4.5	106	Mar-11	0 / 0
NO _x (ppb)	2.4	69.3%	19.3	-	Mar-11 00:00	5.4	-	Mar-11	- / -
SO ₂ (ppb)	0.1	67.5%	2.7	172	Mar-22 17:00	0.8	-	Mar-22	0 / 0
H ₂ S (ppb)	0.1	68.9%	2.2	11	Mar-02 11:00	0.4	3.6	Mar-02	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	6.5	95.8%	30.8	-	Mar-10 21:00	18.4	30	Mar-11	- / 0



SESAA - March 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
3/2/2019 11:00	0.0	1.9	2.2	-	4.3	6.4	290.2	-29.6	68.3

Update Summary:

There were no exceedances in the month of March 2019

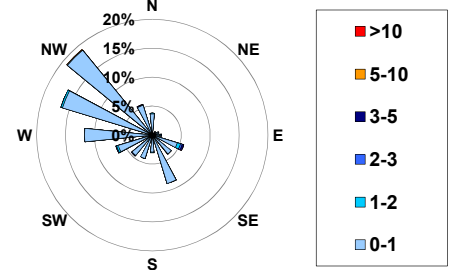
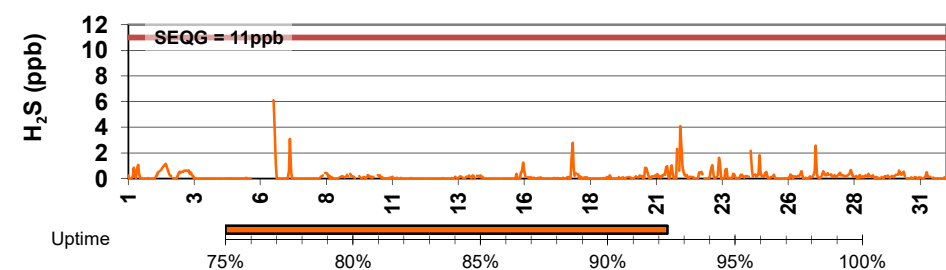
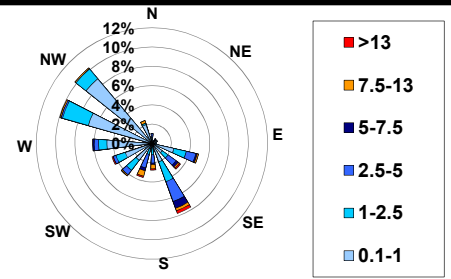
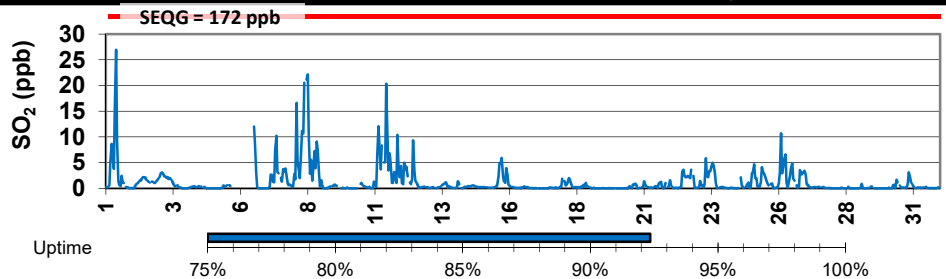
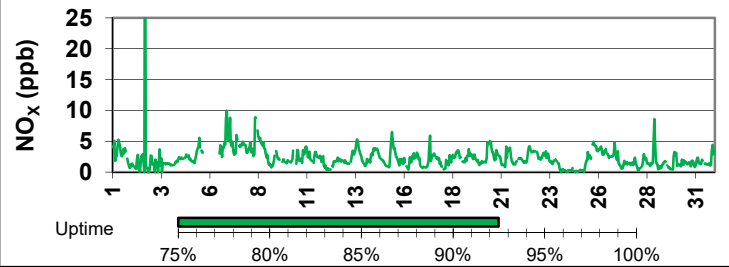
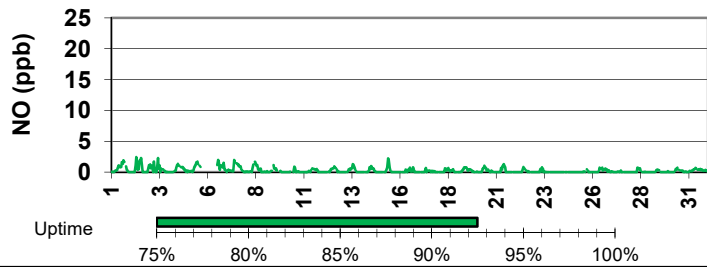
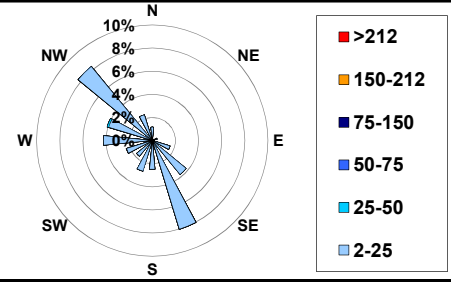
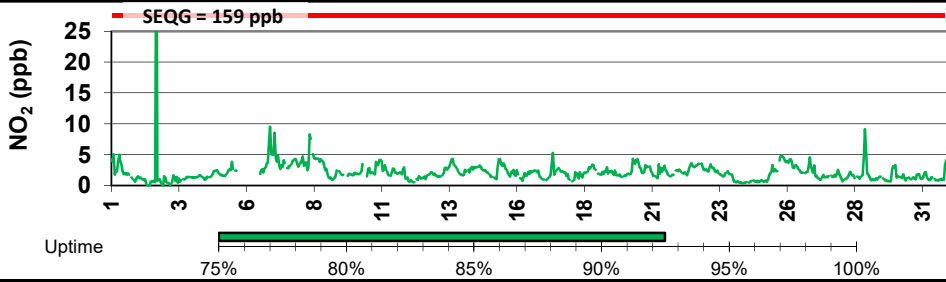
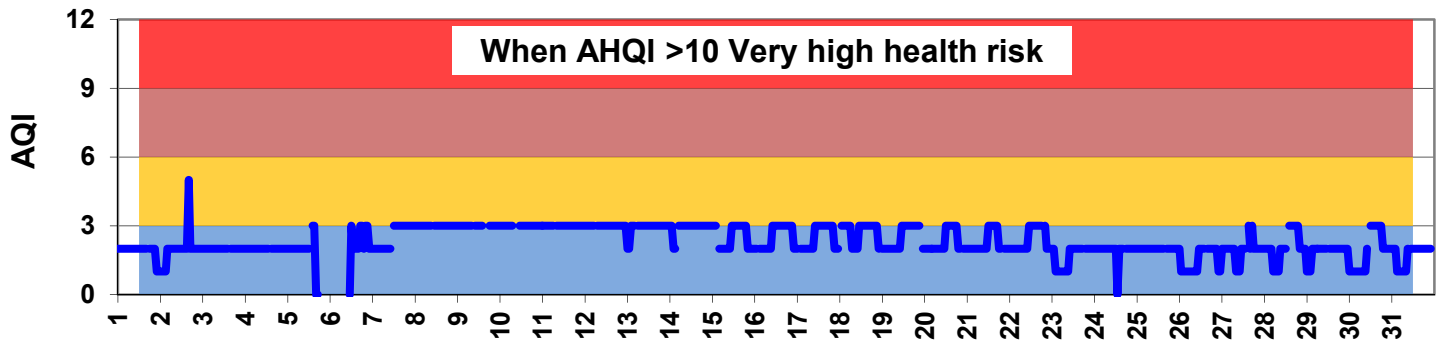
Instrument uptimes remained >68%. Low uptimes were a result of a complete sampling pump failure. Pump was replaced on March 10.

Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of ozone)

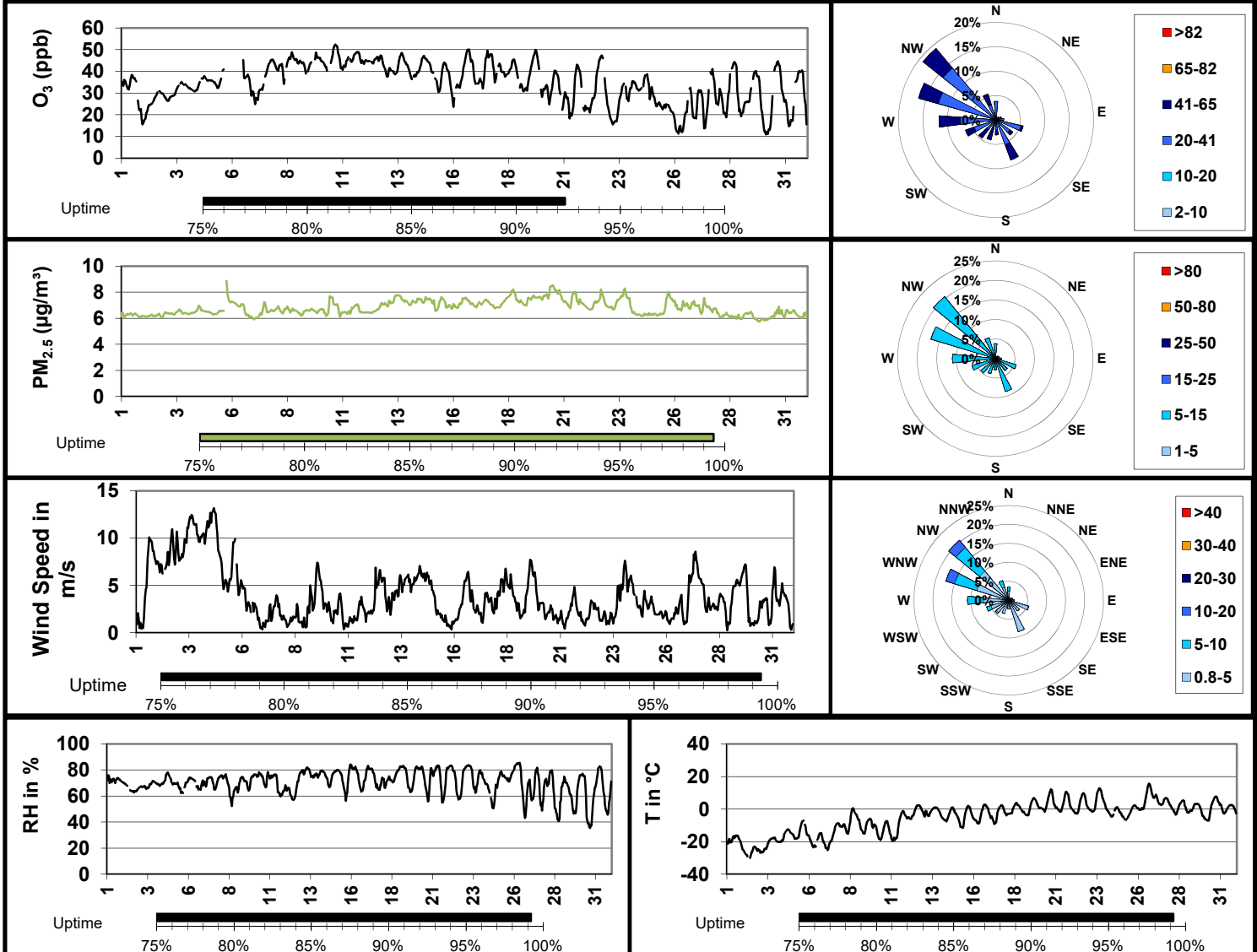
Quarterly Calibrations were completed on March 11.

SESAA - March 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.3	92.5%	2.5	-	Mar-02 07:00	0.6	-	Mar-02	- / -
NO ₂ (ppb)	2.2	92.5%	49.7	159	Mar-02 16:00	4.0	106	Mar-08	0 / 0
NO _x (ppb)	2.3	92.5%	49.5	-	Mar-02 16:00	4.4	-	Mar-08	- / -
SO ₂ (ppb)	1.3	92.3%	26.9	172	Mar-01 09:00	7.5	-	Mar-08	0 / 0
H ₂ S (ppb)	0.2	92.3%	6.1	11	Mar-06 12:00	0.6	3.6	Mar-21	0 / 0
O ₃ (ppb)	34.4	92.3%	52.3	82	Mar-10 16:00	43.5	63	Mar-11	0 / 0
PM _{2.5} (µg/m ³)	6.8	99.5%	8.9	-	Mar-05 18:00	7.9	30	Mar-20	- / 0



SESAA - March 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
3/6/2019 12:00	1.8	12.0	6.1	45.2	7.1	3.2	318.4	-18.8	67.3

Update Summary:

There were no exceedances in the month of March 2019, the maximum hydrogen sulphide was during winds from the north west.

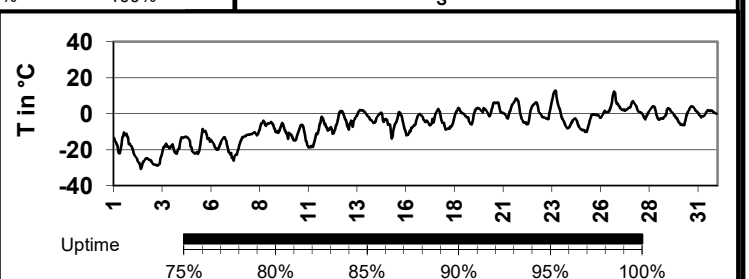
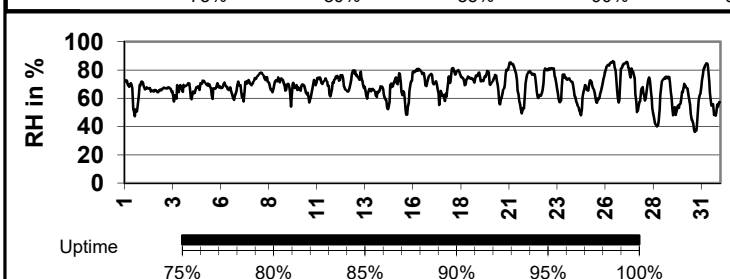
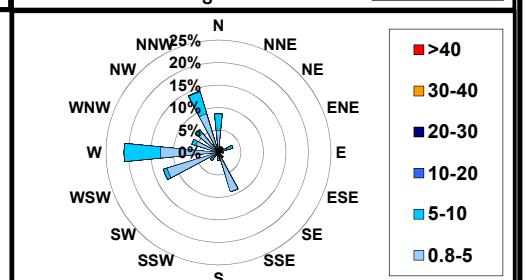
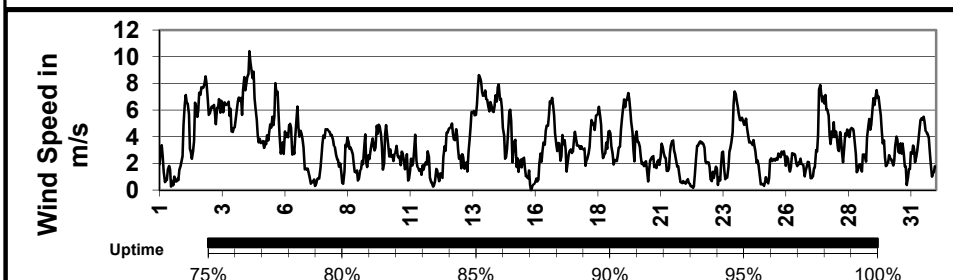
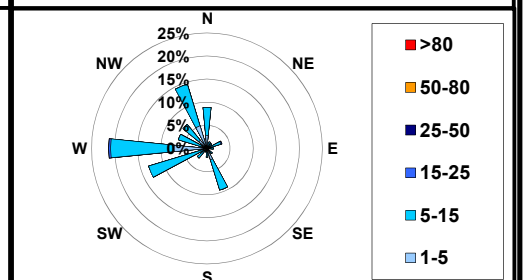
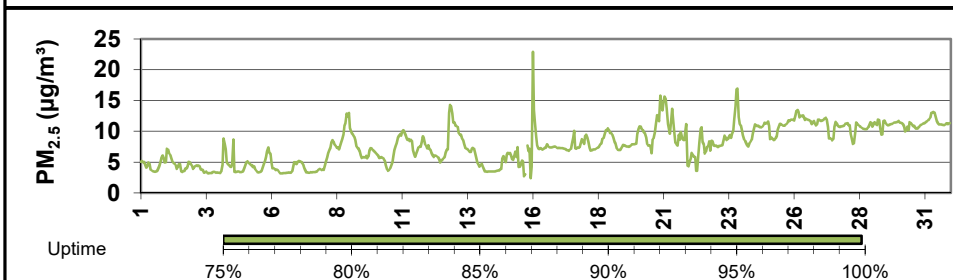
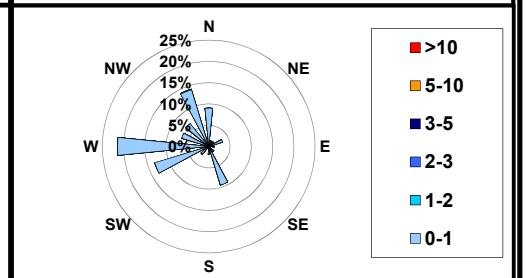
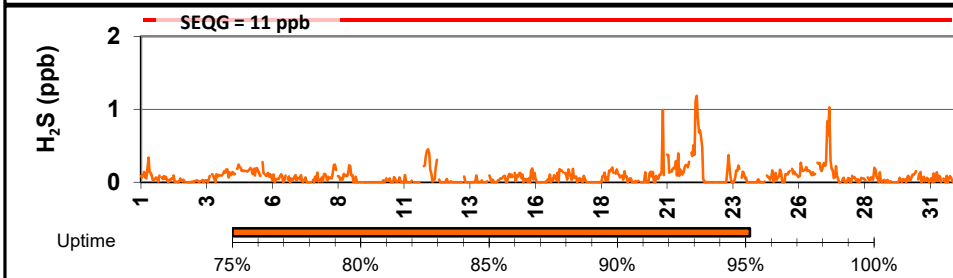
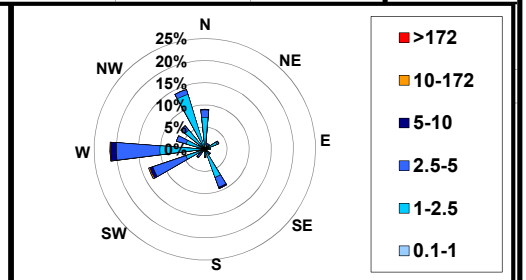
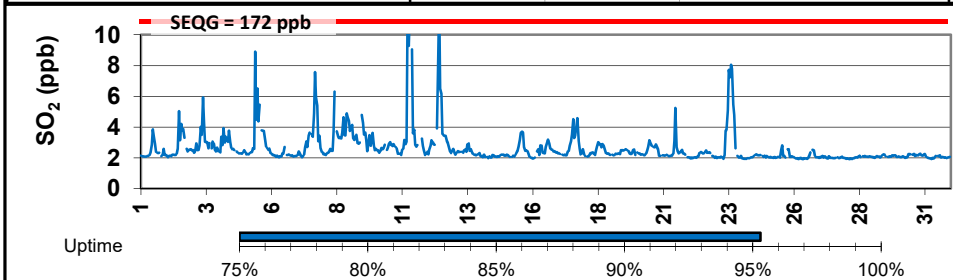
Instruments uptime remained >92%

Data showed a low Air Quality Health Index for the month.

Air Pointer was visited March 05/06 to replace pump. Quarterly Calibrations occurred on March 09-10.

SESAA - March 2019 Wauchope Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	2.6	95.3%	12.3	172	Mar-12 10:00	3.7	-	Mar-12	0 / 0
H ₂ S (ppb)	0.1	95.2%	1.2	11	Mar-22 03:00	0.3	3.6	Mar-22	0 / 0
PM _{2.5} (µg/m ³)	7.8	99.9%	22.9	-	Mar-16 00:00	12.0	30	Mar-26	- / 0



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
3/16/2019 0:00	-	2.0	1.2	-	22.9	0.6	350.3	-9.9	78.2

Update Summary:

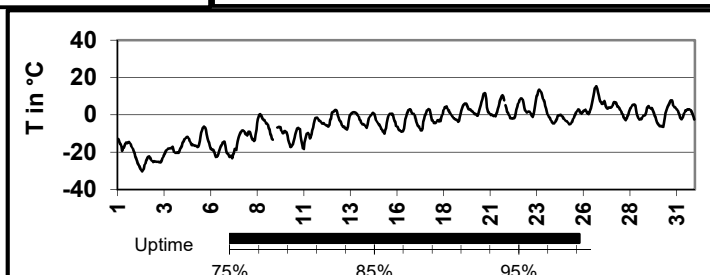
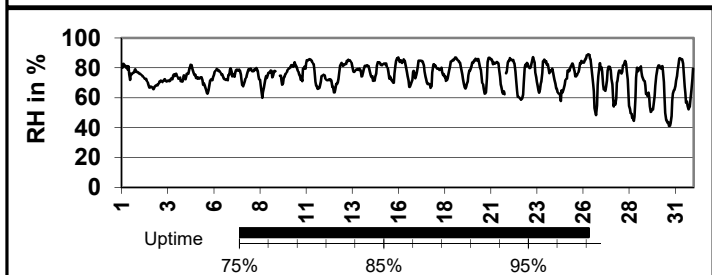
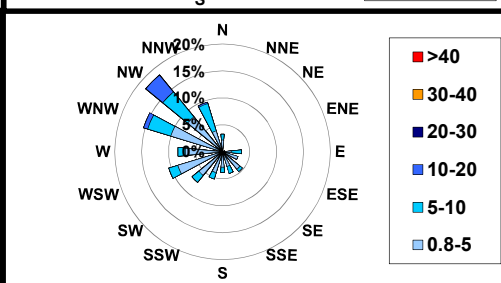
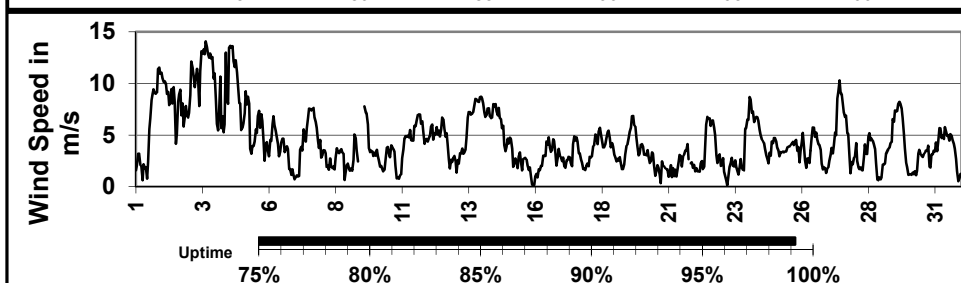
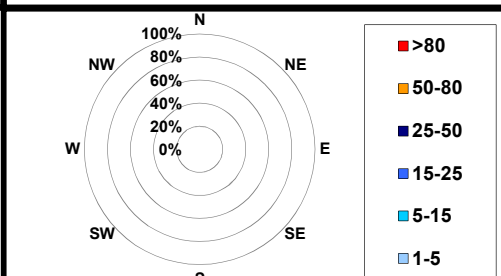
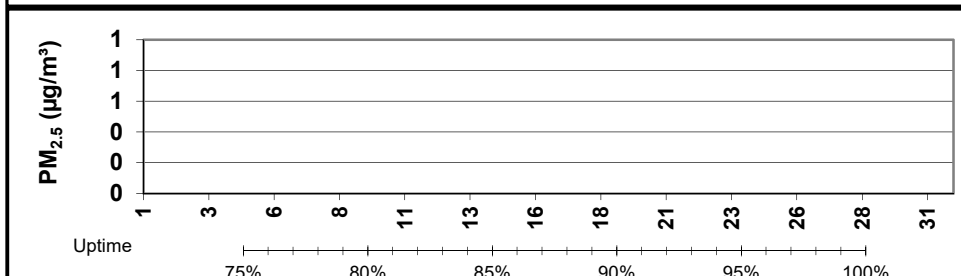
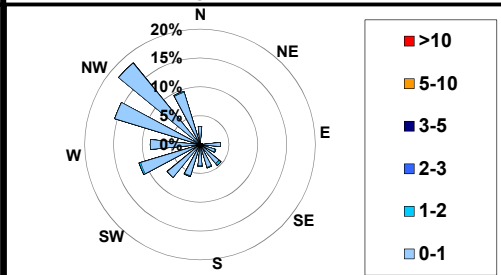
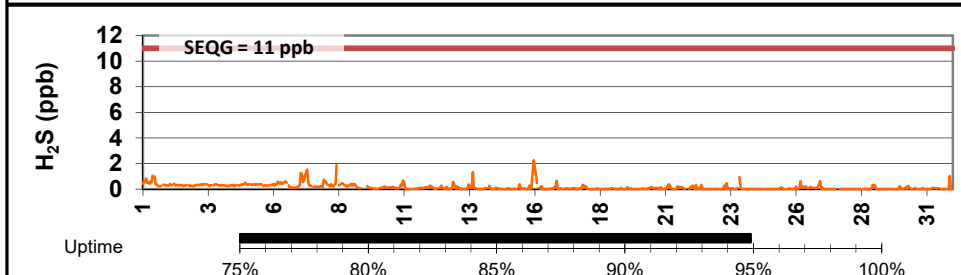
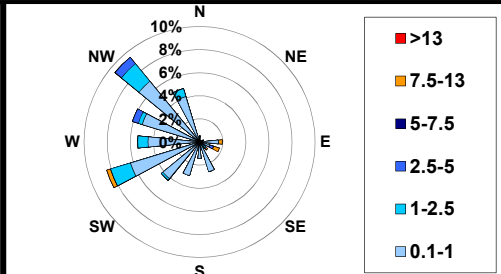
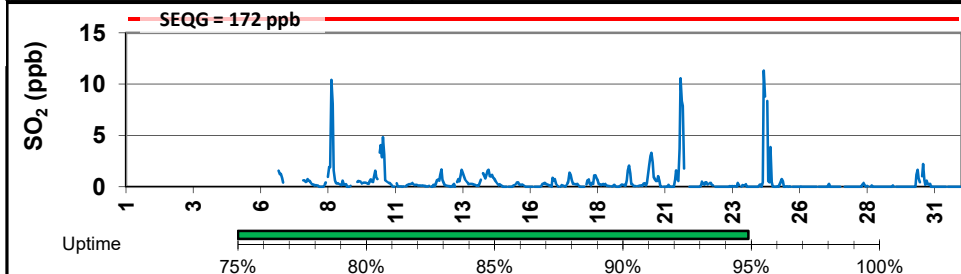
There were no readings above the SEQG for the month of March 2019

All instruments remained >95% uptime.

Quarterly Calibrations were completed on March 11.

SESAA - March 2019 Torquay Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	0.4	75.1%	11.3	172	Mar-24 16:00	1.5	48	Mar-21	0 / 0
H ₂ S (ppb)	0.2	94.9%	2.3	11	Mar-15 23:00	0.5	4	Mar-07	0 / 0
PM _{2.5} (µg/m ³)									



Update Summary:

There were no exceedances in the month of March 2019, the maximum hydrogen sulphide concentration was during winds from the south.

Instrument uptime was >90% for H₂S. The SO₂ unit had lower uptimes due to being reinstalled March 06. Calibrations were completed on March 09. Site was visited on March 27 to remove insulation and install SO₂ Permeation Tube.