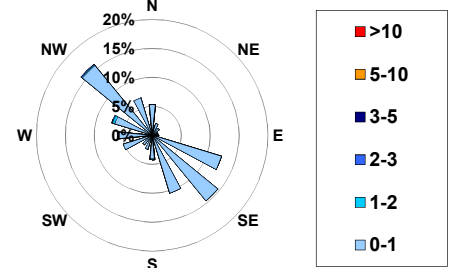
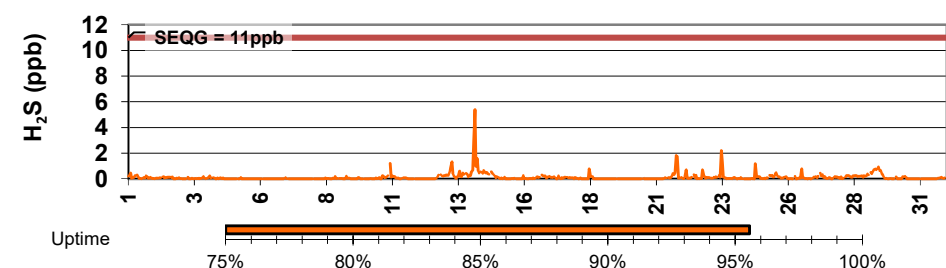
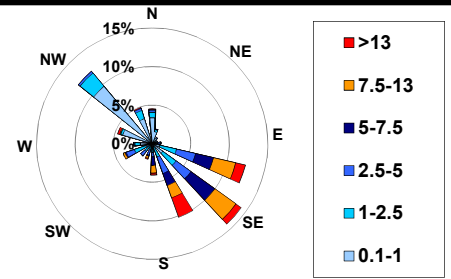
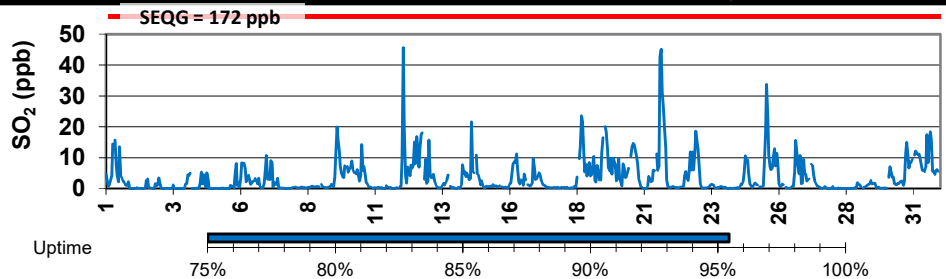
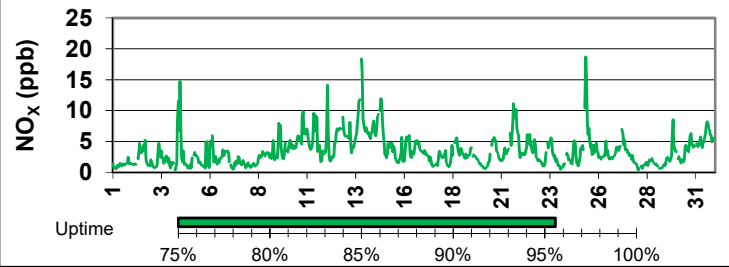
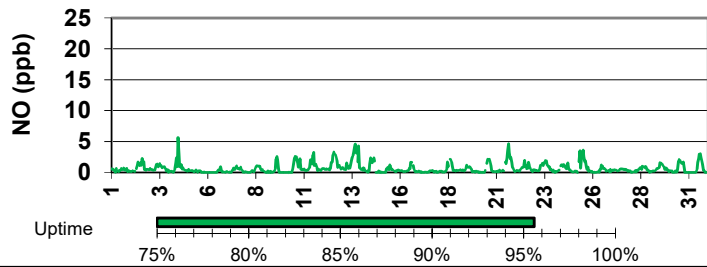
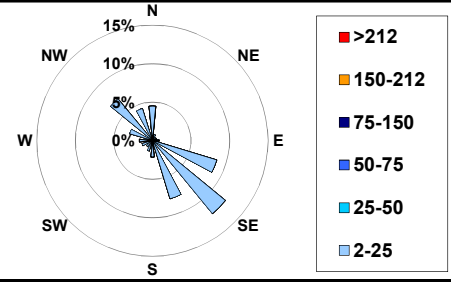
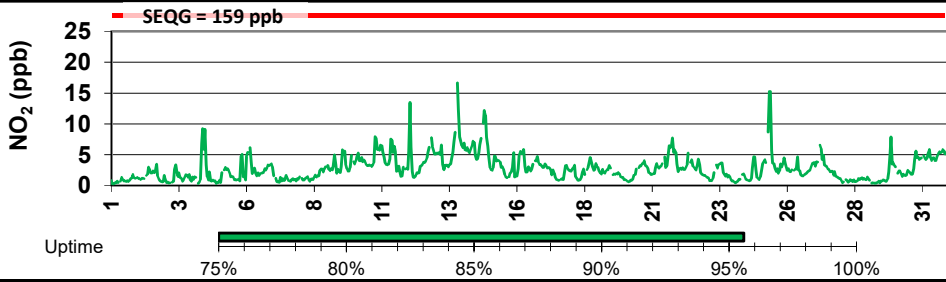
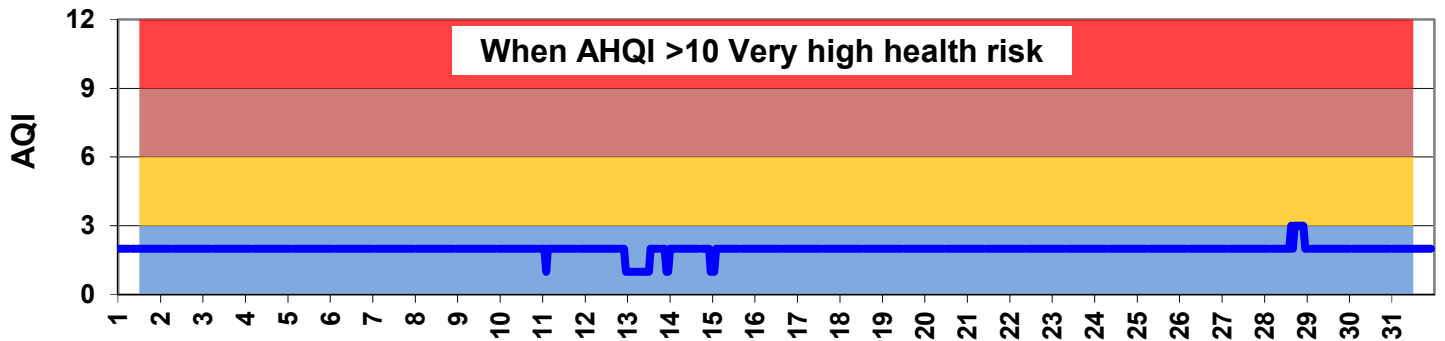
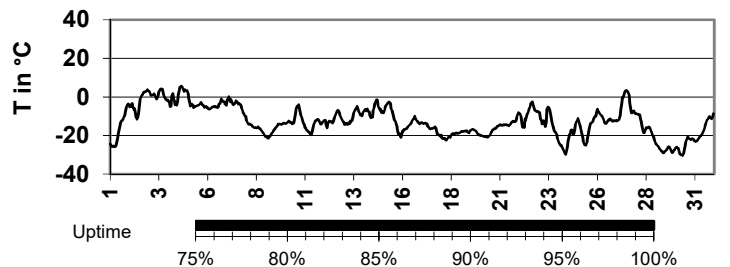
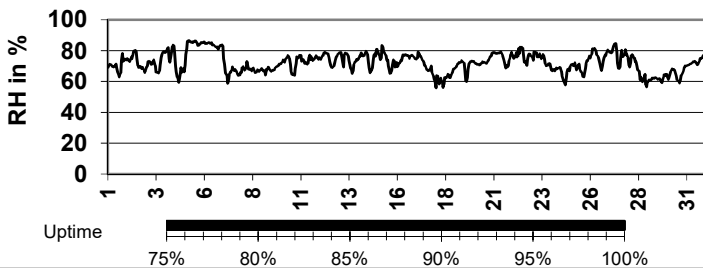
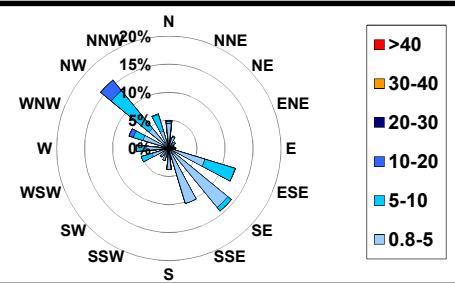
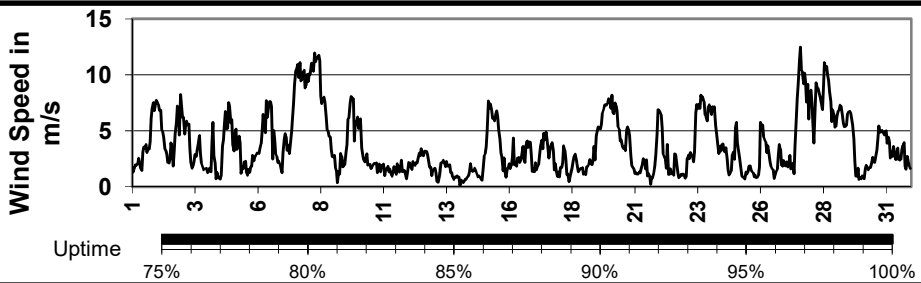
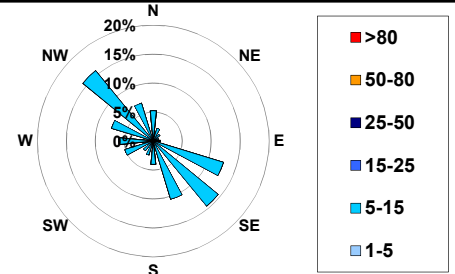
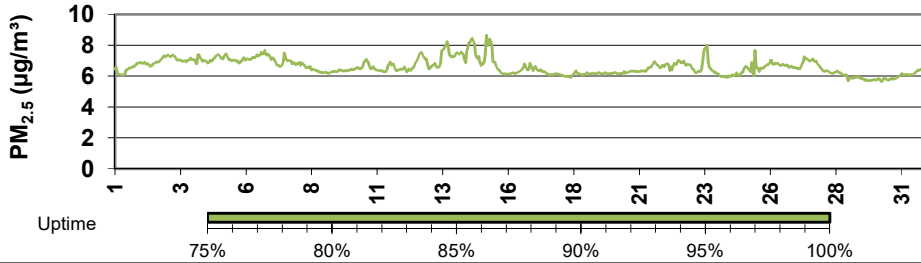
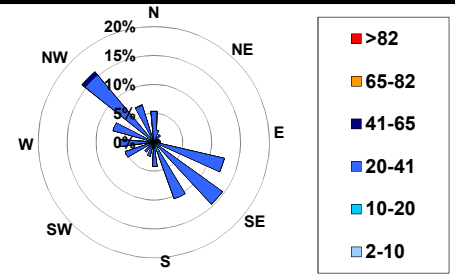
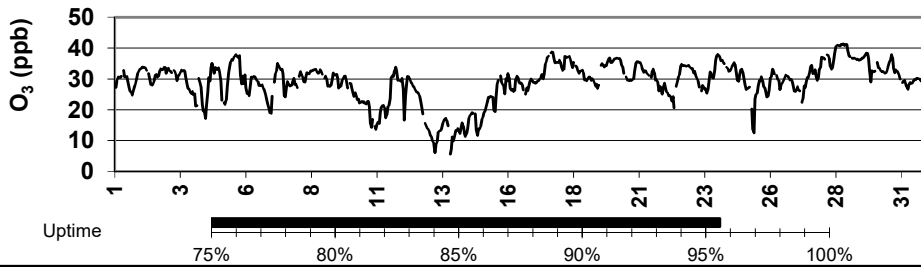


SESAA - January 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.6	95.6%	5.7	-	Jan-04 11:00	1.6	-	Jan-13	- / -
NO ₂ (ppb)	2.8	95.6%	16.6	159	Jan-13 19:00	6.4	106	Jan-14	0 / 0
NO _x (ppb)	3.5	95.6%	18.7	-	Jan-25 08:00	7.2	-	Jan-13	- / -
SO ₂ (ppb)	3.6	95.4%	45.7	172	Jan-12 01:00	10.2	-	Jan-12	0 / 0
H ₂ S (ppb)	0.1	95.6%	5.4	11	Jan-14 03:00	0.8	3.6	Jan-14	0 / 0
O ₃ (ppb)	28.9	95.6%	41.4	82	Jan-28 19:00	37.0	63	Jan-28	0 / 0
PM _{2.5} (µg/m ³)	6.6	100.0%	8.6	-	Jan-15 04:00	7.6	30	Jan-14	- / 0



SESAA - January 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-01-14 3:00	5.7	0.3	5.4	13.2	7.4	0.5	79.5	-7.2	78.5

Update Summary:

There were no exceedance in the month of January 2019, the maximum hydrogen sulphide was during winds from the south.

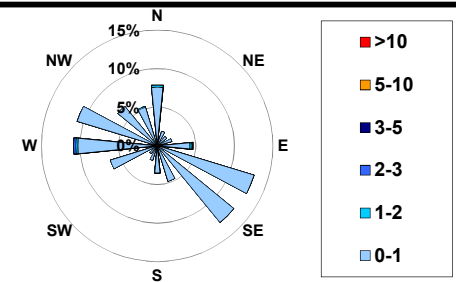
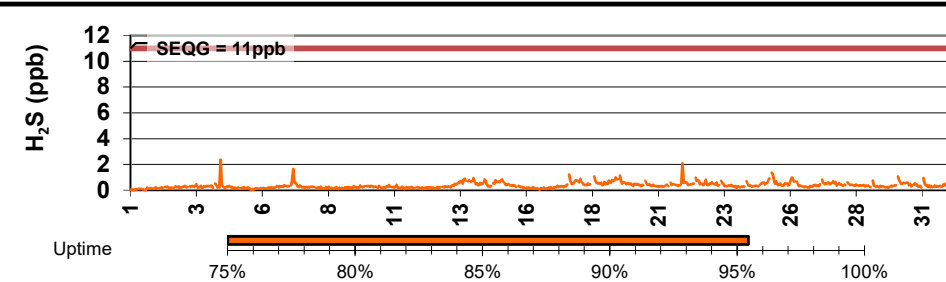
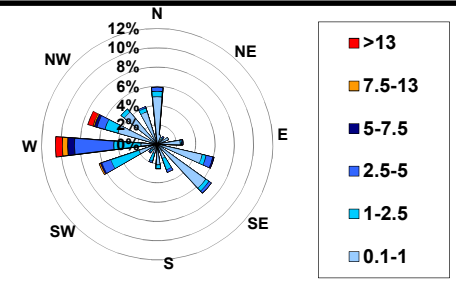
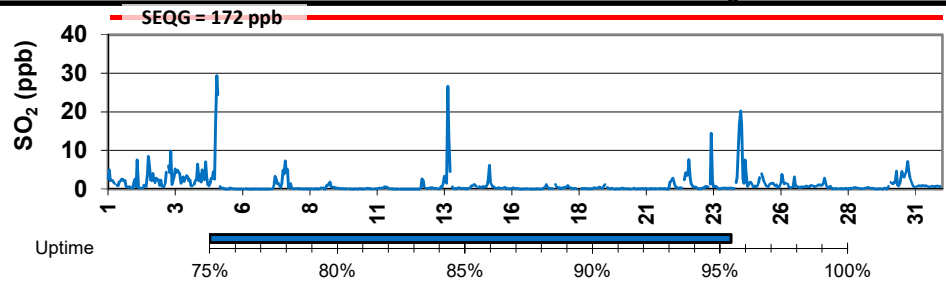
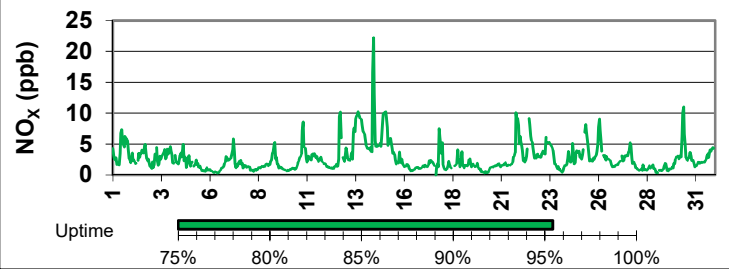
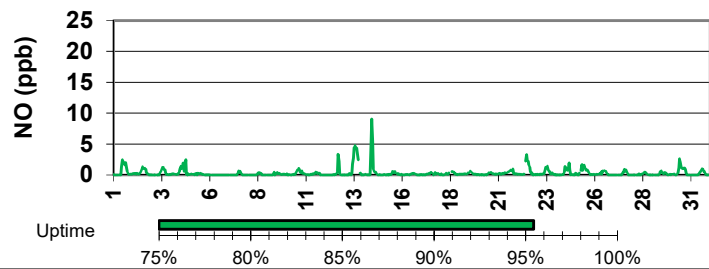
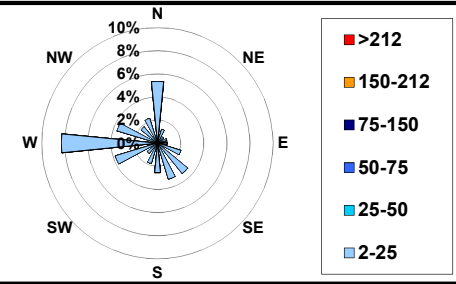
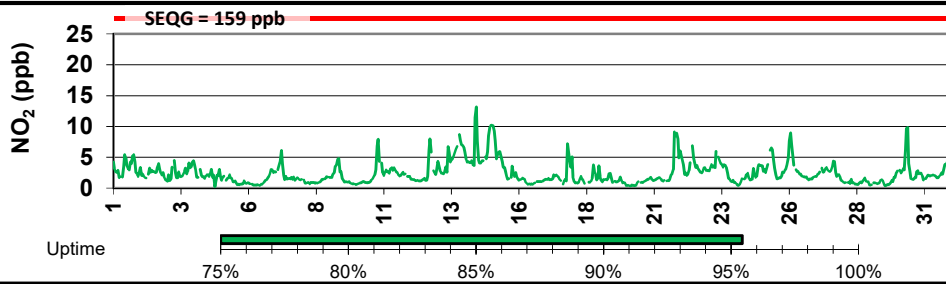
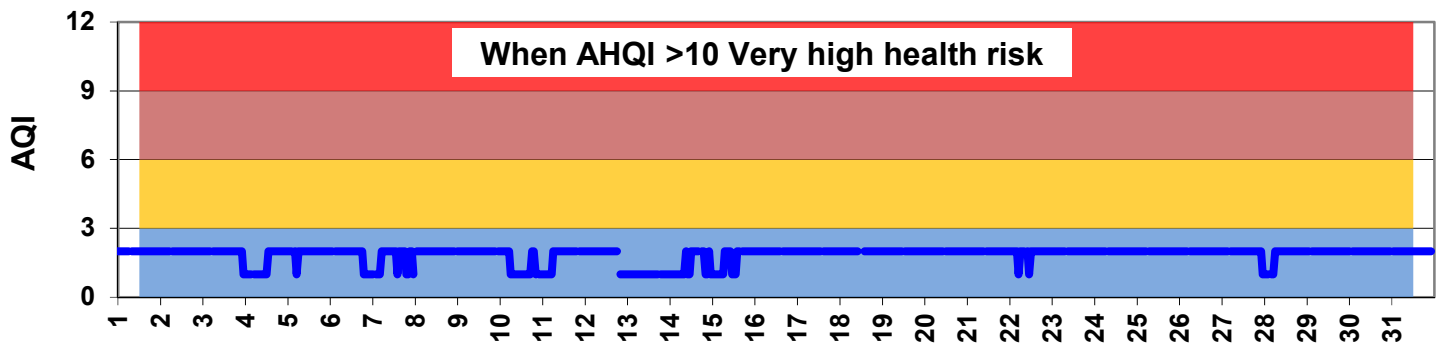
winds

Instruments uptime remained >95%

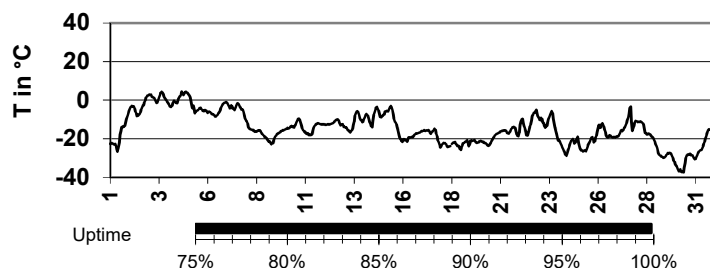
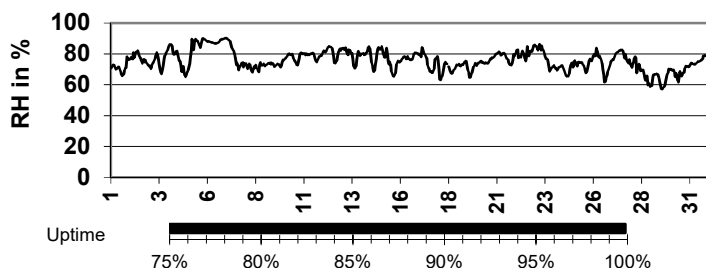
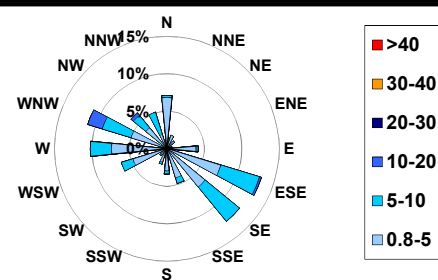
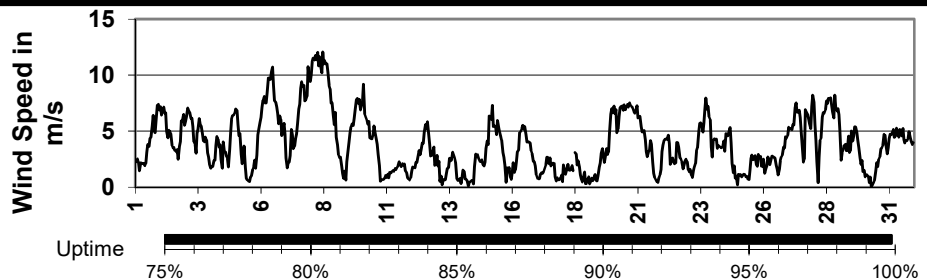
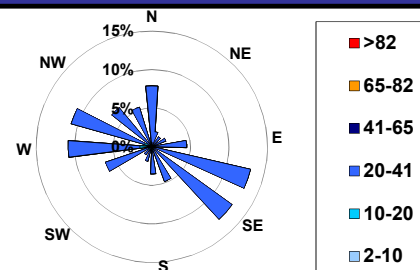
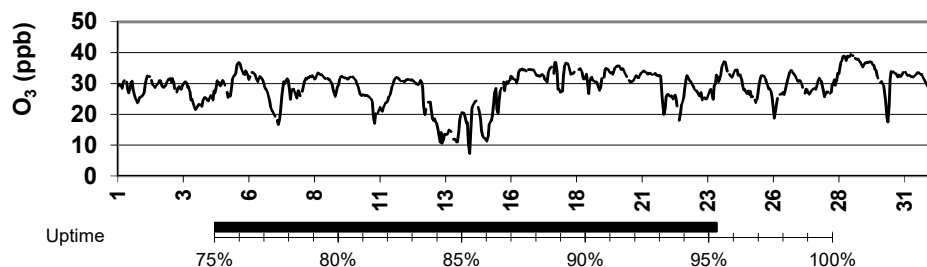
Data showed a low Air Quality Health Index for the month

SESAA - January 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)	0.3	95.4%	9.1	-	Jan-14 10:00	1.3	-	Jan-13	- / -
NO ₂ (ppb)	2.4	95.4%	13.2	159	Jan-14 10:00	5.7	106	Jan-14	0 / 0
NO _x (ppb)	2.7	95.4%	22.2	-	Jan-14 10:00	6.7	-	Jan-14	- / -
SO ₂ (ppb)	1.1	95.4%	29.4	172	Jan-05 01:00	3.9	-	Jan-24	0 / 0
H ₂ S (ppb)	0.4	95.4%	5.7	11	Jan-18 12:00	0.7	3.6	Jan-18	0 / 0
O ₃ (ppb)	28.9	95.3%	39.4	82	Jan-28 23:00	35.1	63	Jan-29	0 / 0
PM _{2.5} (µg/m ³)									



SESAA - January 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
2019-01-18 12:00	0.3	4.4	5.7	0.0	-	3.1	98.4	-22.7	71.6

Update Summary:

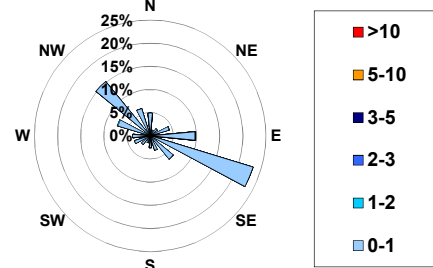
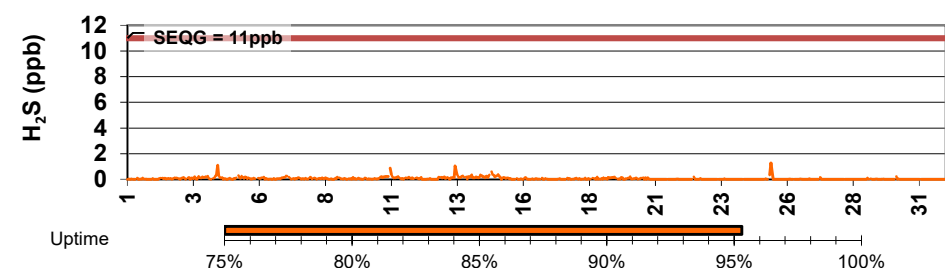
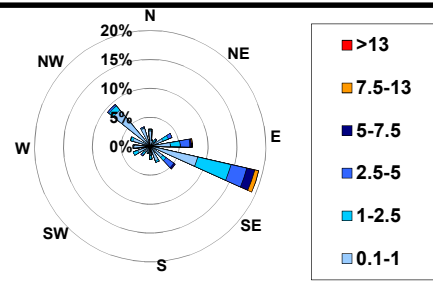
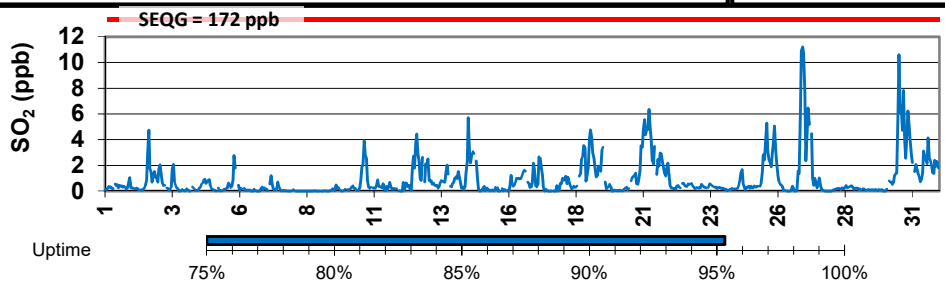
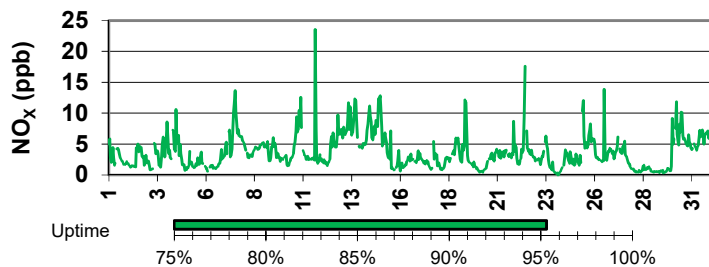
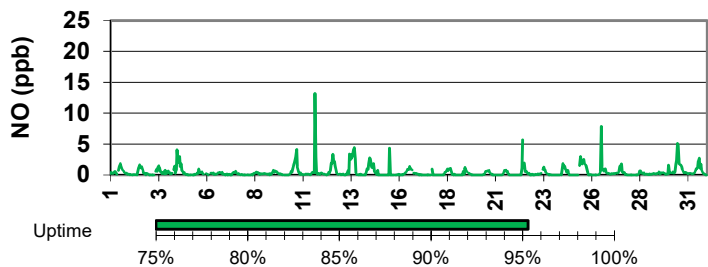
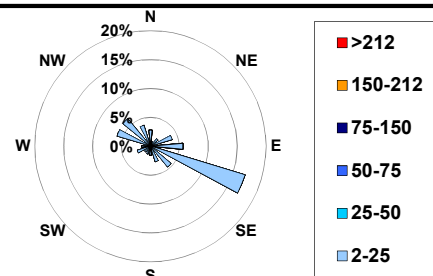
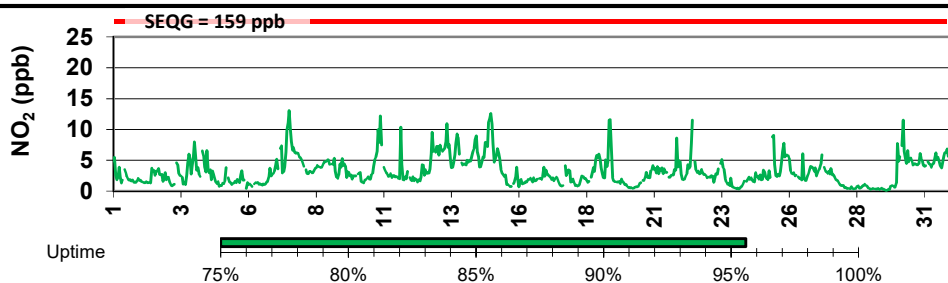
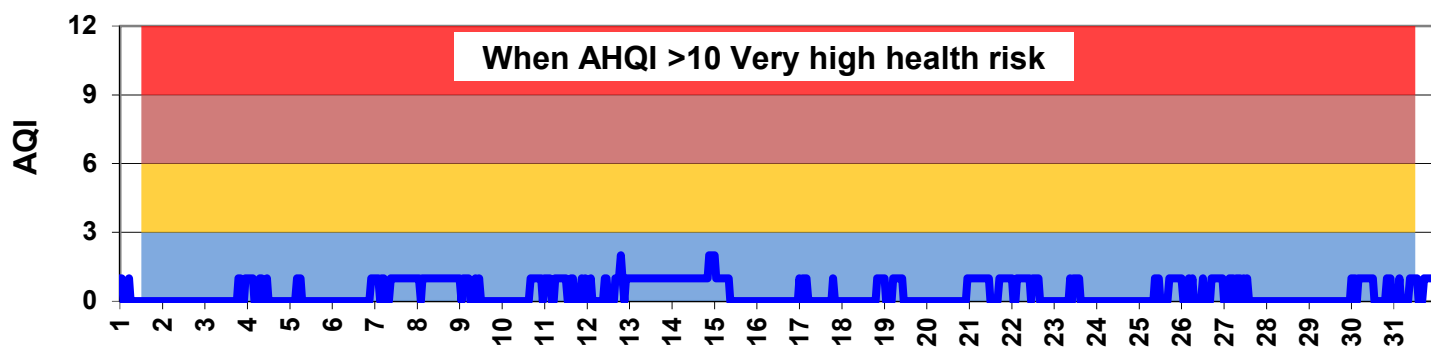
There were no exceedance s in the month of January 2019, the maximum hydrogen sulphide was during winds from the south-west

Site was visted on January 17 to replace the scrubber with in the H2S unit.

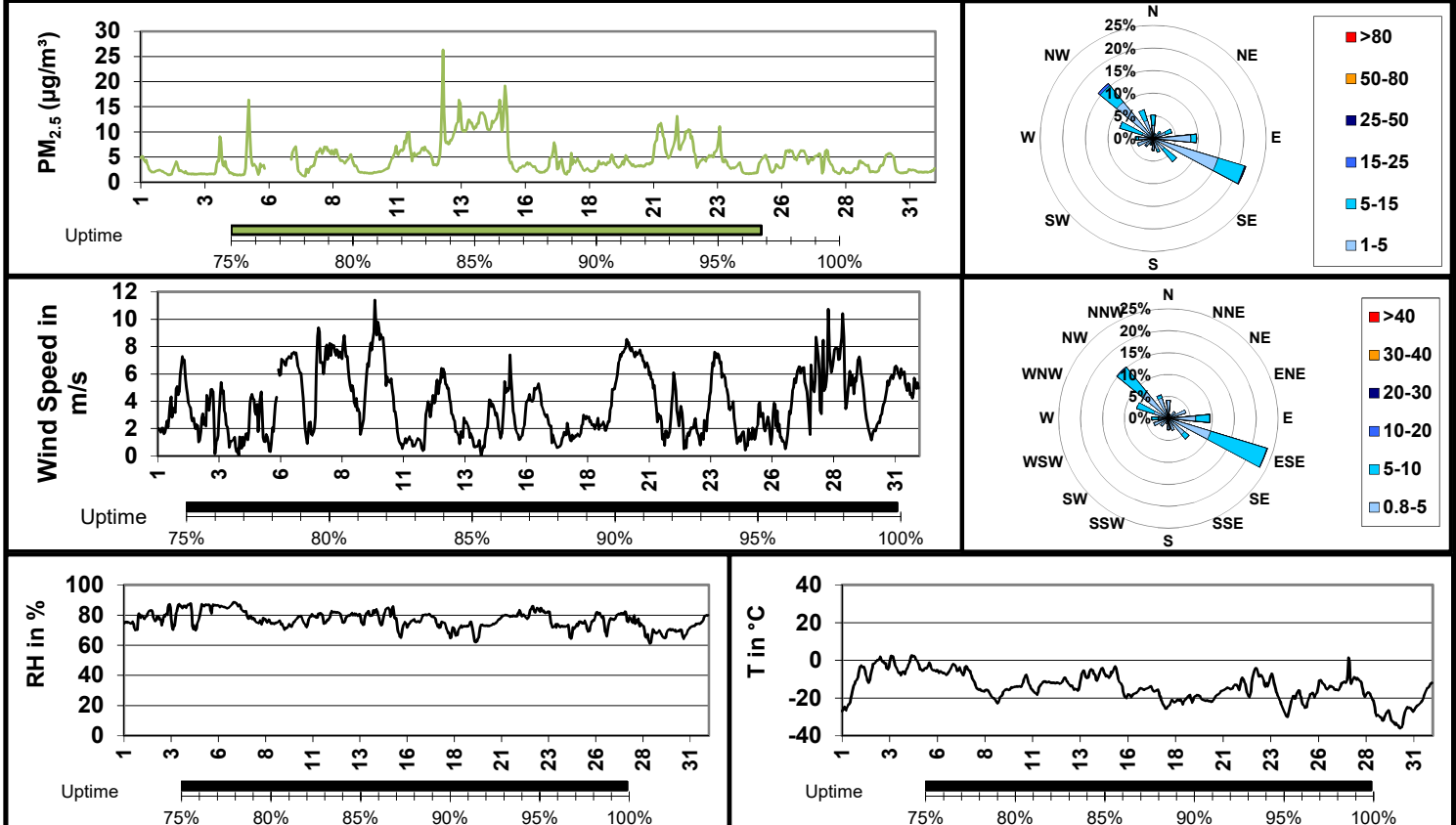
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of PM2.5)

SESAA - January 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)	0.5	95.3%	13.2	-	Jan-11 15:00	1.2	-	Jan-13	- / -
NO ₂ (ppb)	3.2	95.6%	13.1	159	Jan-07 12:00	6.3	106	Jan-07	0 / 0
NO _x (ppb)	3.7	95.3%	23.6	-	Jan-11 15:00	7.5	-	Jan-13	- / -
SO ₂ (ppb)	0.9	95.3%	11.2	172	Jan-26 22:00	3.3	-	Jan-30	0 / 0
H ₂ S (ppb)	0.1	95.3%	1.3	11	Jan-25 09:00	0.2	3.6	Jan-14	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	4.6	96.8%	26.3	-	Jan-12 19:00	12.1	30	Jan-14	- / 0



SESAA - January 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-01-25 9:00	8.8	0.6	1.3	-	5.3	2.0	63.9	-24.9	74.6

Update Summary:

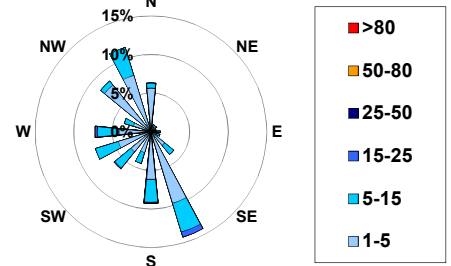
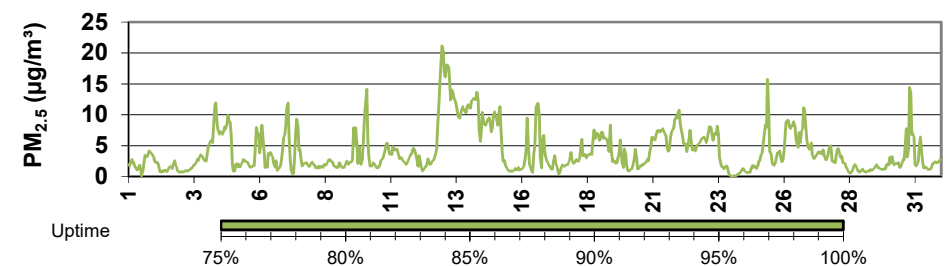
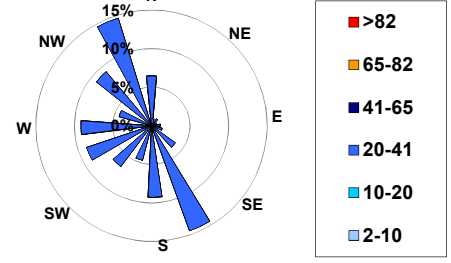
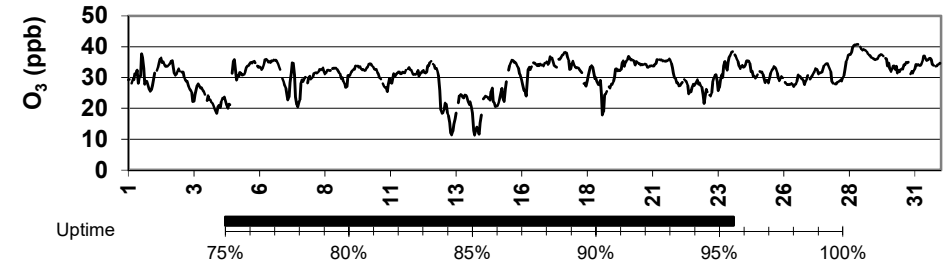
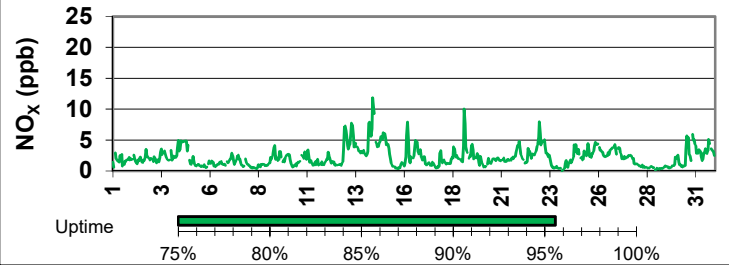
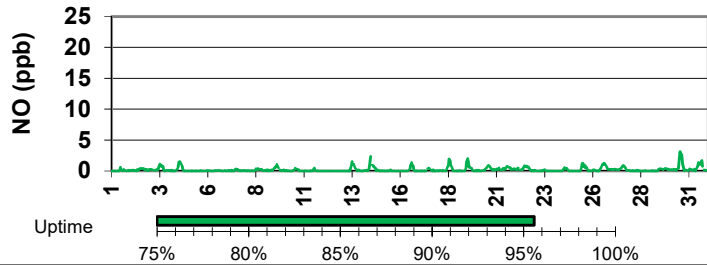
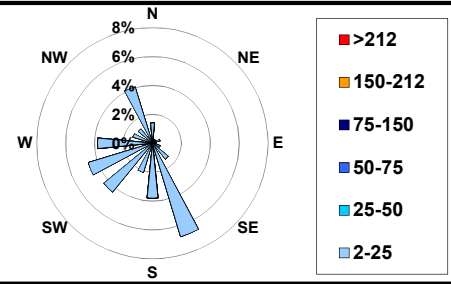
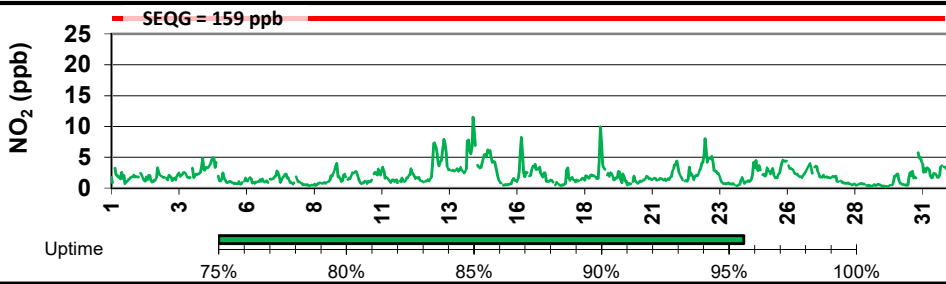
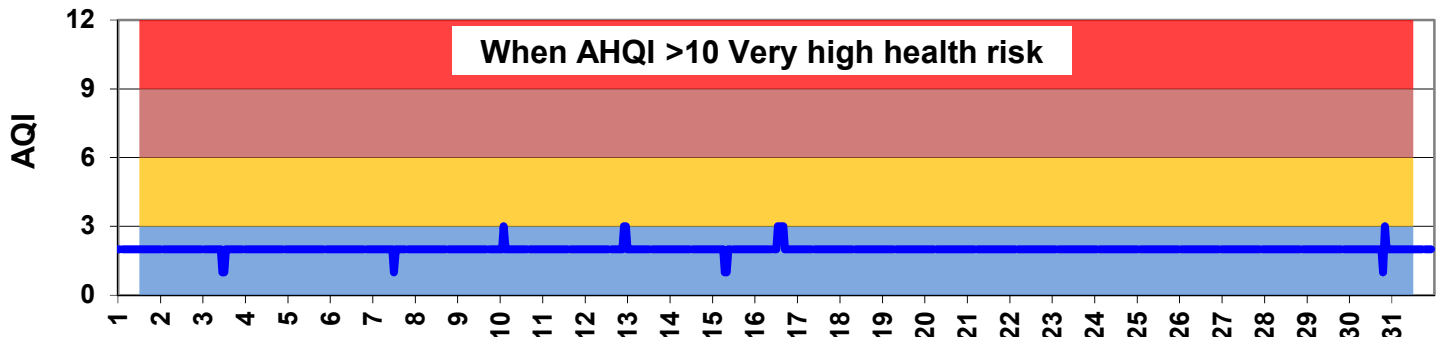
There were no exceedance in the month of January 2019

Instruments uptime remained >95%. During the month, there was one brief power outage. As well, PM 2.5 was down for approximately 24 hrs.

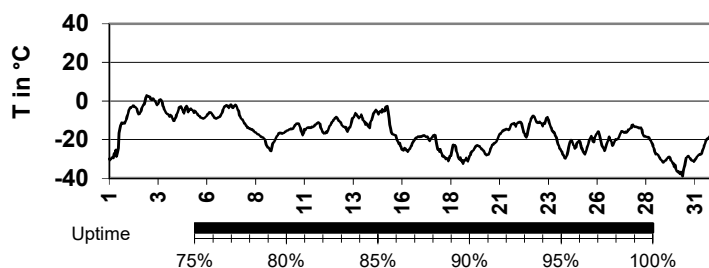
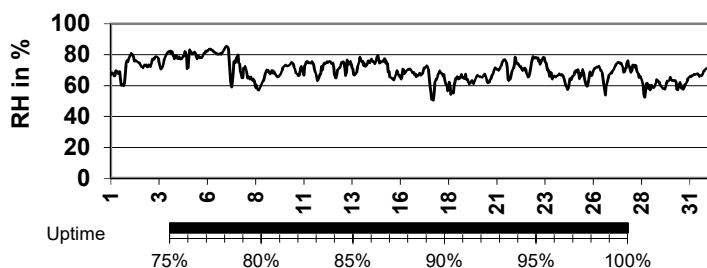
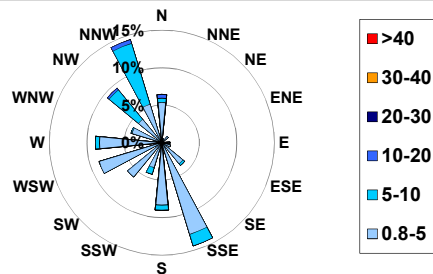
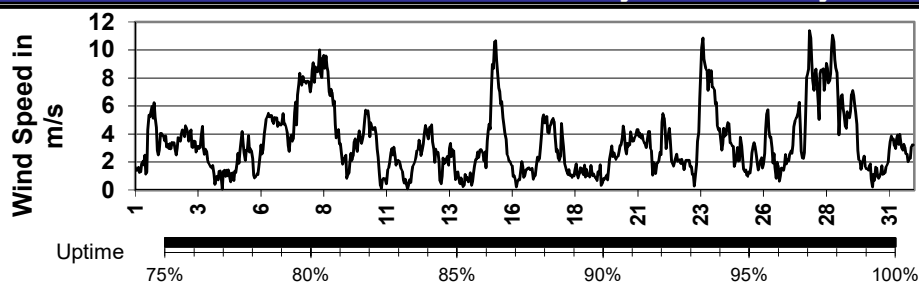
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of ozone)

SESAA - January 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	95.6%	3.1	-	Jan-30 13:00	0.6	-	Jan-30	- / -
NO ₂ (ppb)	2.1	95.6%	11.5	159	Jan-14 09:00	5.1	106	Jan-14	0 / 0
NO _x (ppb)	2.2	95.6%	11.9	-	Jan-14 09:00	5.5	-	Jan-14	- / -
SO ₂ (ppb)									
H ₂ S (ppb)									
O ₃ (ppb)	30.6	95.6%	40.8	82	Jan-28 19:00	35.5	63	Jan-29	0 / 0
PM _{2.5} (µg/m ³)	4.1	100.0%	21.1	-	Jan-12 23:00	13.1	30	Jan-13	- / 0



SESAA - January 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2018-01-12 23:00	7.3	-	-	18.3	21.1	2.9	153.8	-13.0	75.0

Update Summary:

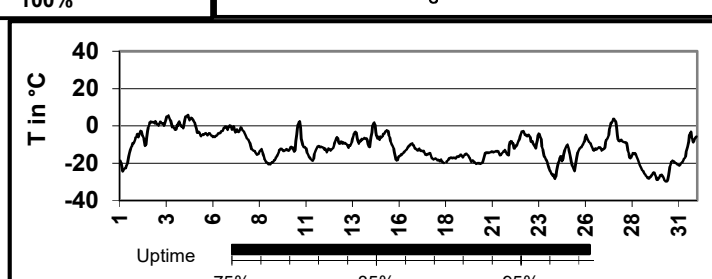
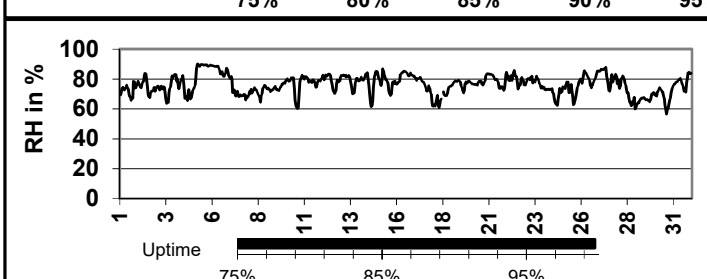
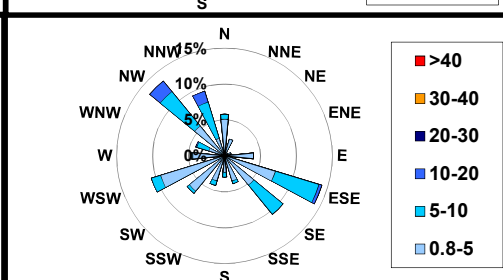
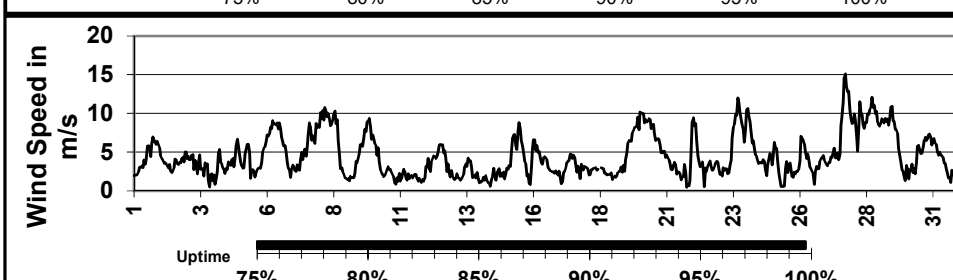
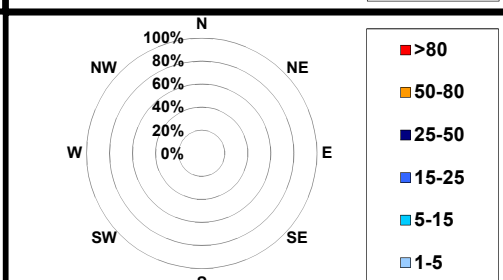
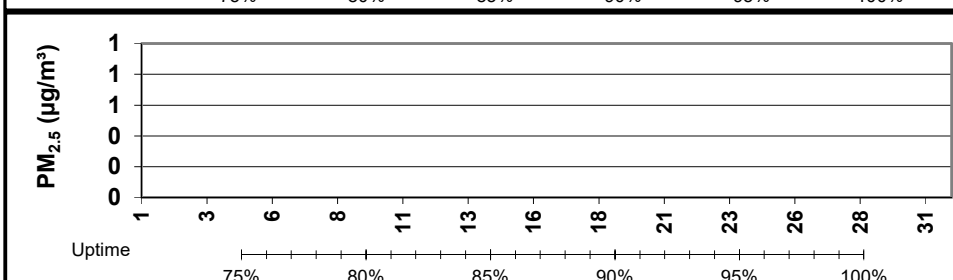
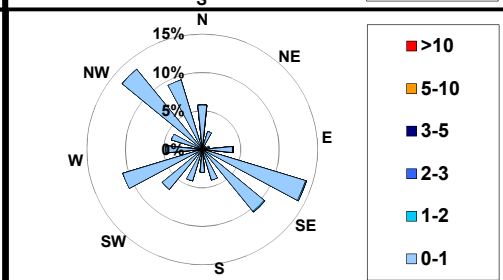
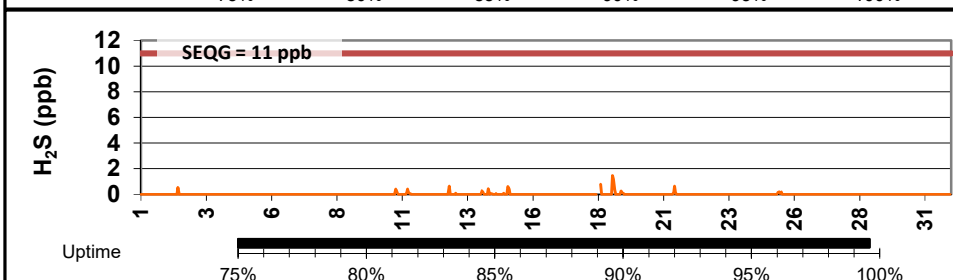
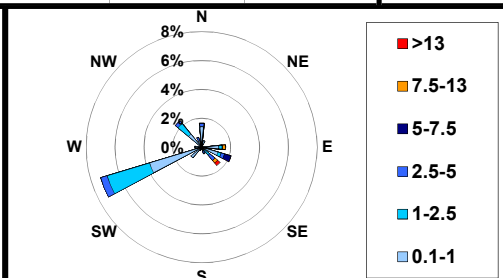
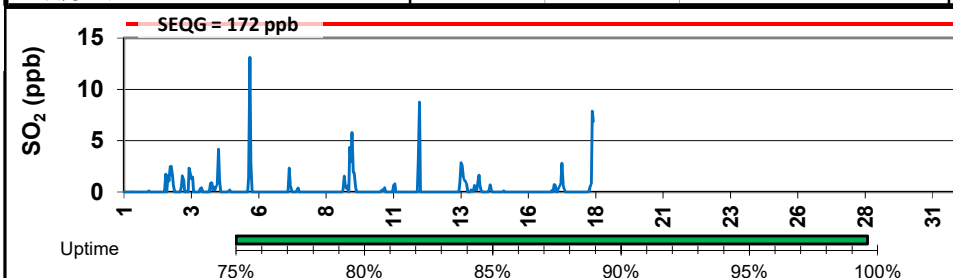
There were no exceedance in the month of January 2019

All instruments remained >95% uptime.

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

SESAA - January 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)	0.3	56.2%	13.1	172	Jan-05 16:00	0.9	48	Jan-09	0 / 0
H ₂ S (ppb)	0.0	99.6%	1.5	11	Jan-19 01:00	0.1	4	Jan-19	0 / 0
PM _{2.5} (µg/m ³)									



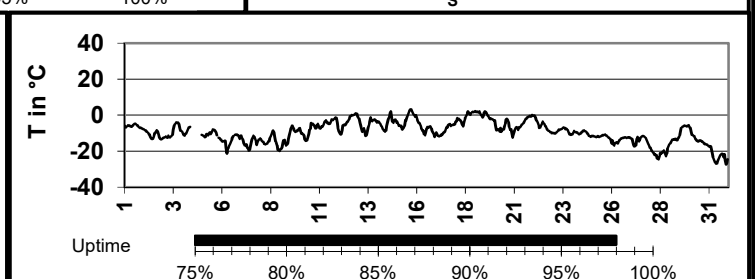
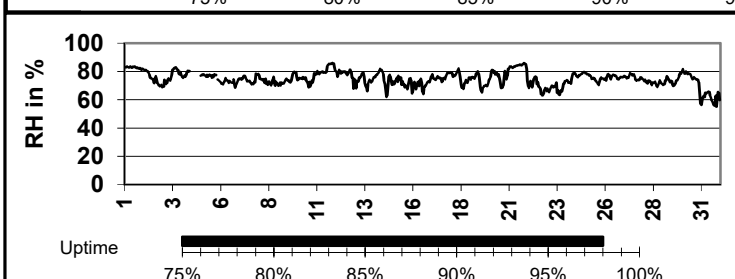
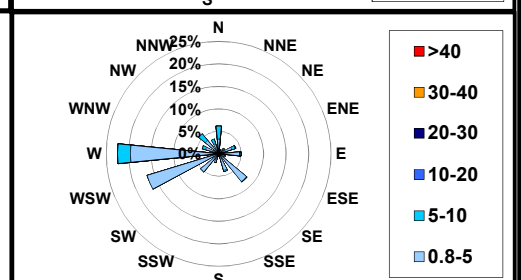
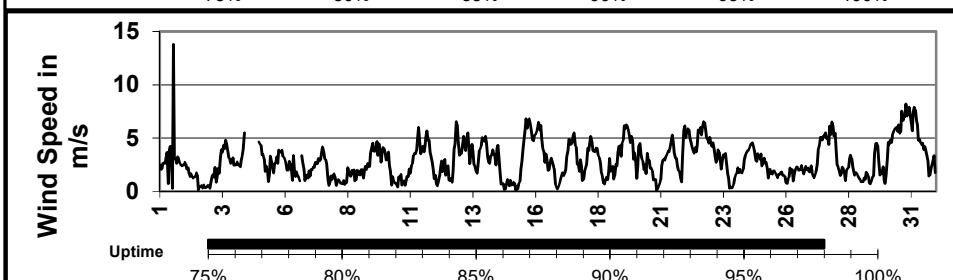
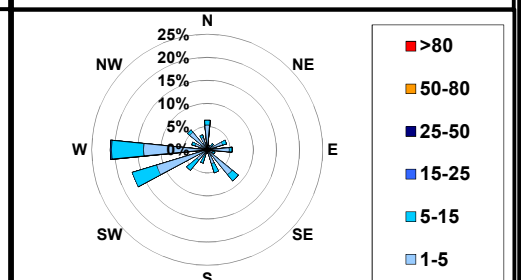
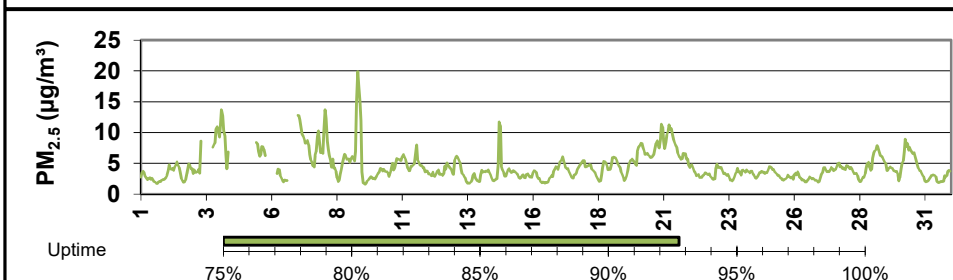
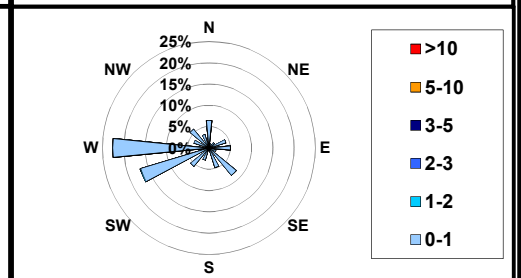
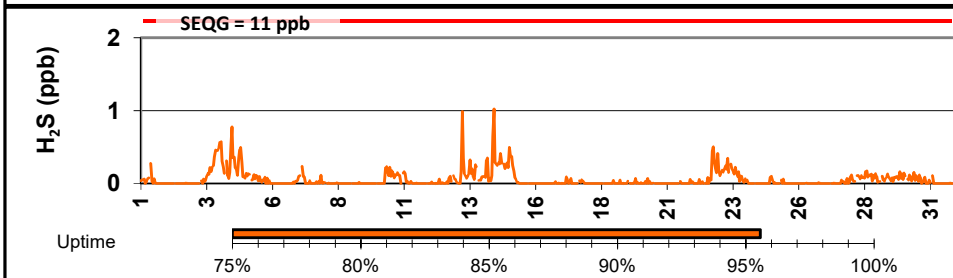
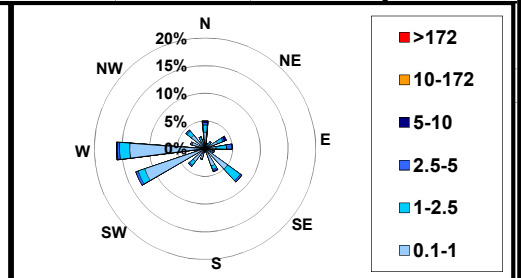
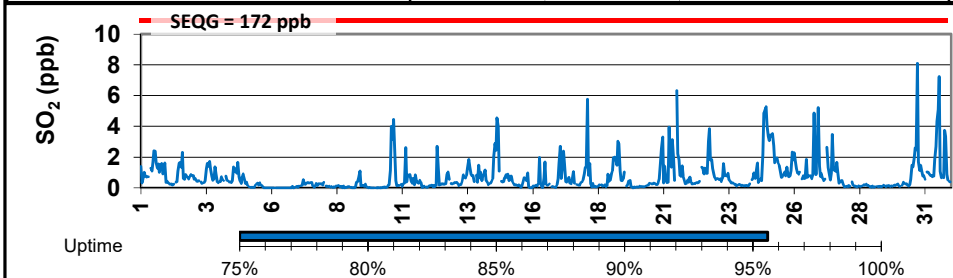
Update Summary:

There were no exceedance in the month of January 2019, the maximum hydrogen sulphide was during winds from the south west.

Instruments uptime were 99.6% (H₂S) and 56.2% (SO₂). SO₂ was removed during a site visit on January 18th due to the unit exhibiting flow issues.

SESAA - January 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)	0.7	95.6%	8.1	172	Jan-30 17:00	1.7	-	Jan-25	0 / 0
H ₂ S (ppb)	0.1	95.6%	1.0	11	Jan-14 10:00	0.3	3.6	Jan-04	0 / 0
PM _{2.5} (µg/m ³)	4.5	92.8%	19.9	-	Jan-09 07:00	8.2	30	Jan-07	- / 0



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-01-09 7:00	-	0.4	1.0	-	19.9	2.6	261.0	-16.8	71.5

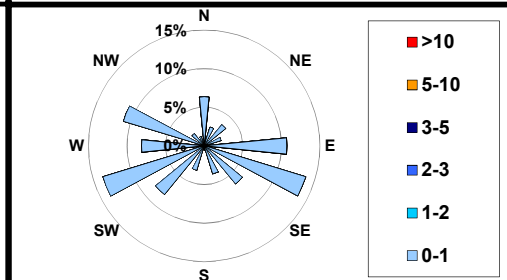
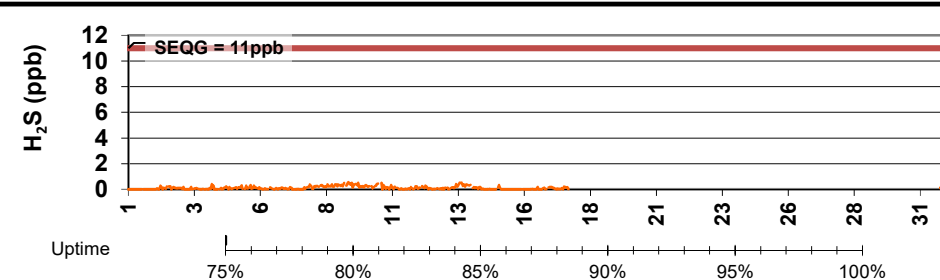
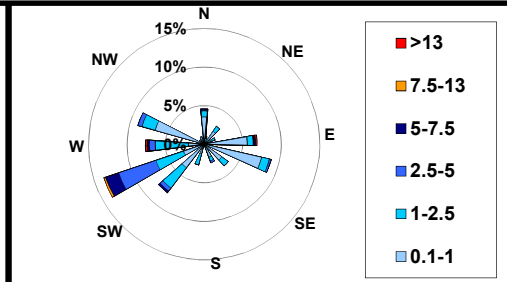
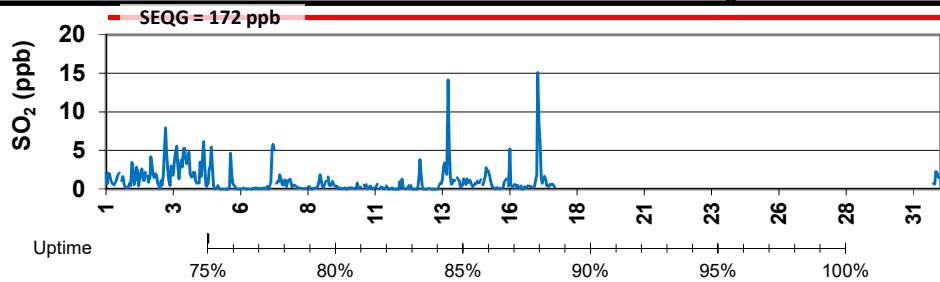
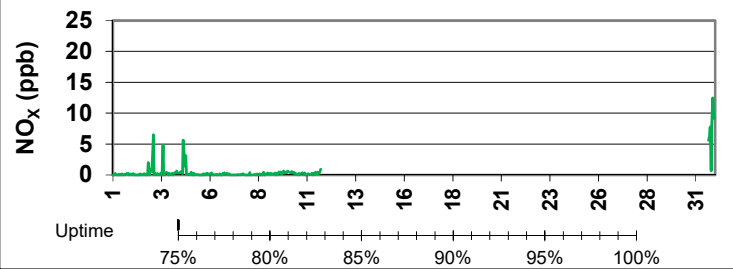
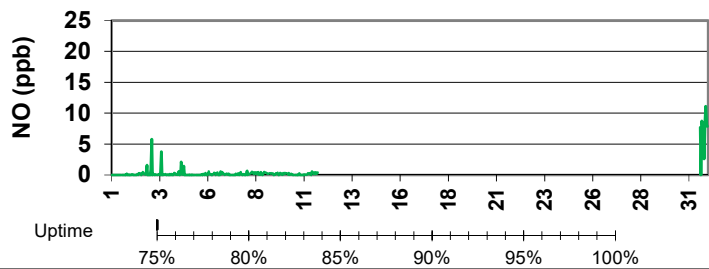
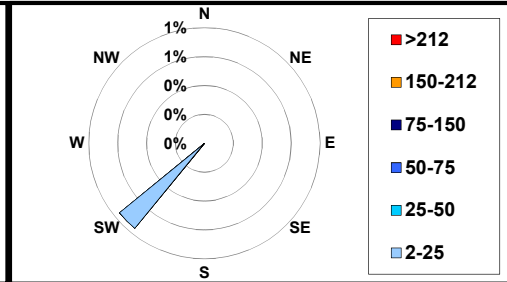
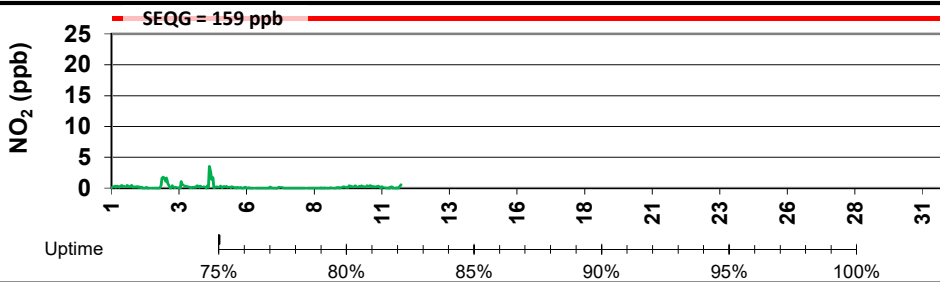
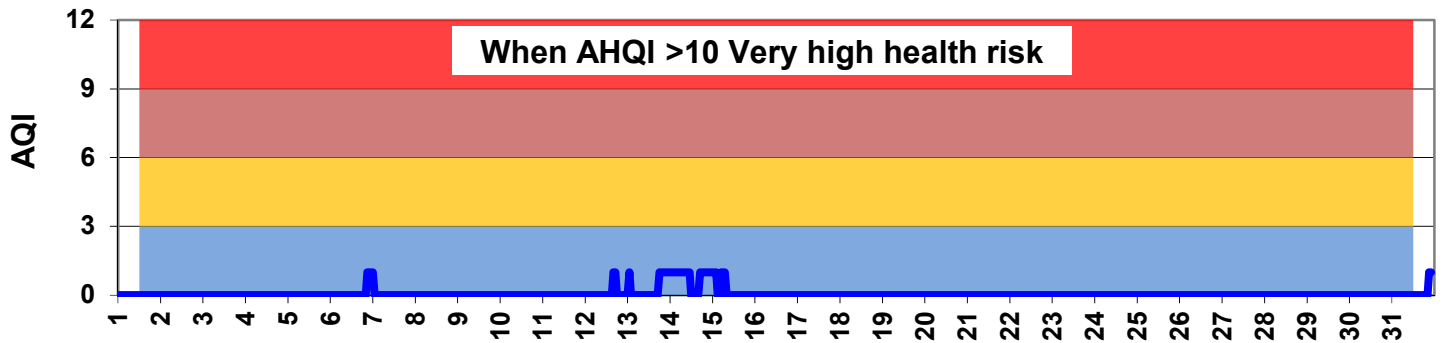
Update Summary:

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

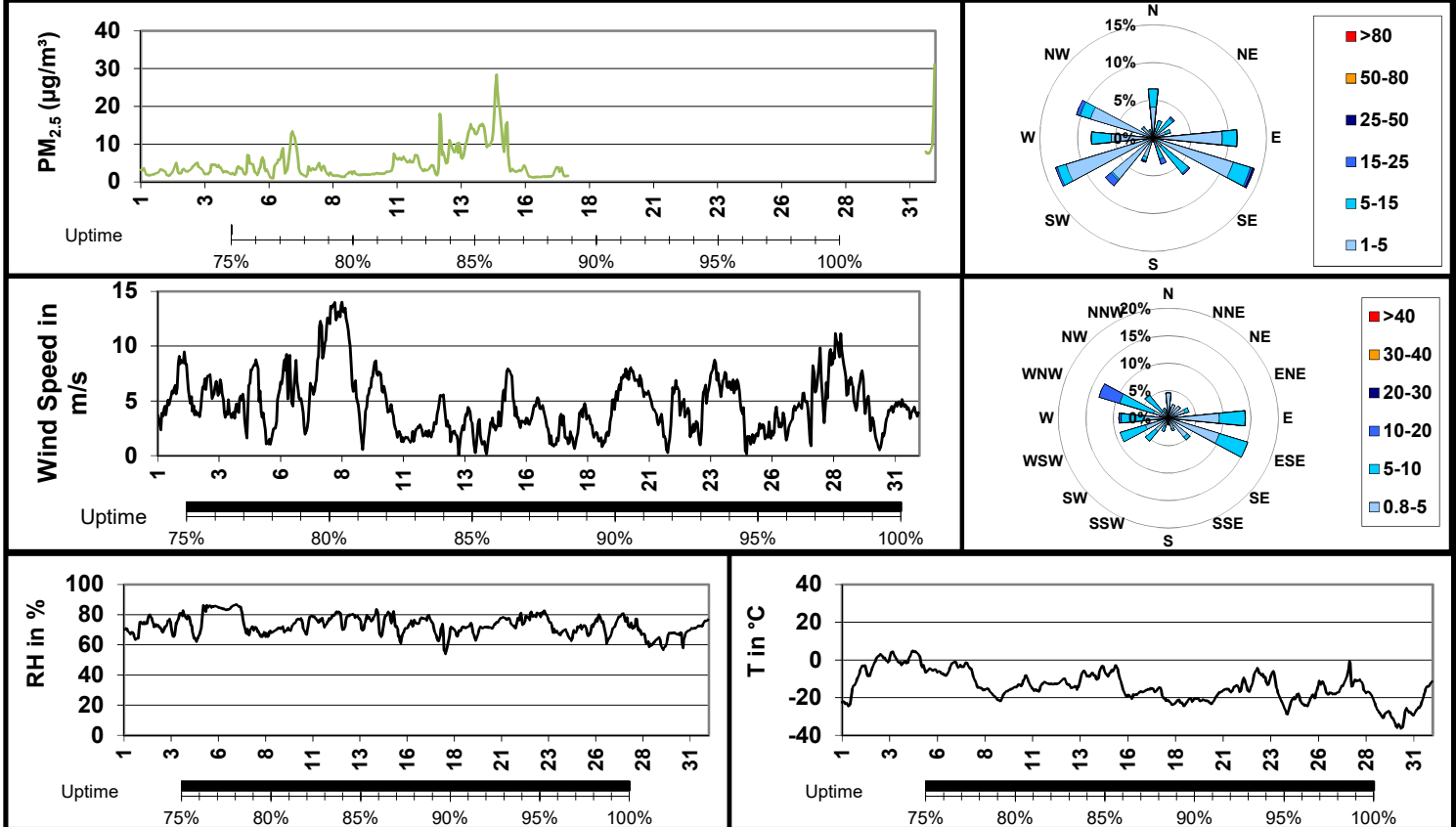
All instruments remained >92% uptime, with the weather system experiencing a 13 hr instrument failure, and the PM 2.5 experienced 54 hrs of instruments failures.

SESAA - January 2019 Oxbow 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)	0.5	34.5%	11.1	-	Jan-31 21:00	2.9	-	Jan-31	- / -
NO ₂ (ppb)	0.2	34.2%	3.5	159	Jan-04 15:00	0.5	106	Jan-04	0 / 0
NO _x (ppb)	0.6	34.4%	12.5	-	Jan-31 21:00	2.7	-	Jan-31	- / -
SO ₂ (ppb)	1.1	52.2%	15.1	172	Jan-17 01:00	3.0	-	Jan-03	0 / 0
H ₂ S (ppb)	0.1	52.2%	0.5	11	Jan-09 08:00	0.3	3.6	Jan-09	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	4.9	55.2%	31.1	-	Jan-31 23:00	14.8	30	Jan-14	- / 0



SESAA - January 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-01-09 8:00	0.1	0.4	0.5	-	2.8	0.6	25.8	-21.6	71.2

Update Summary:

There were no exceedance in the month of January 2019, the maximum hydrogen sulphide was during winds from the north east

Instruments uptime were 30% to 50% due to instrument failure following cold ambient temperatures. Site was visited on January 17th, as well as January 31st. A permanent solution for temperature issues is currently in the works.

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