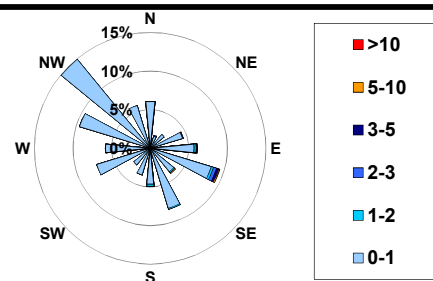
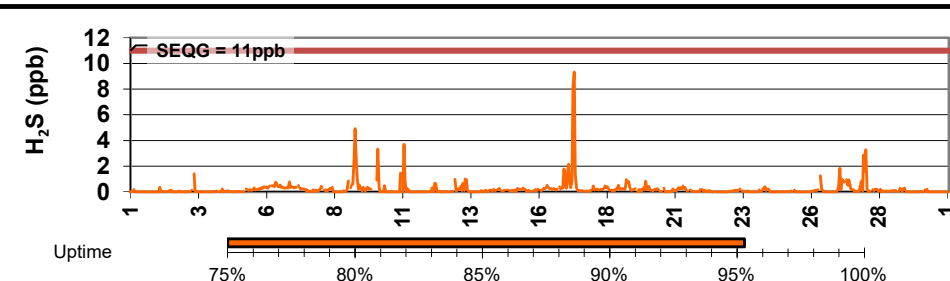
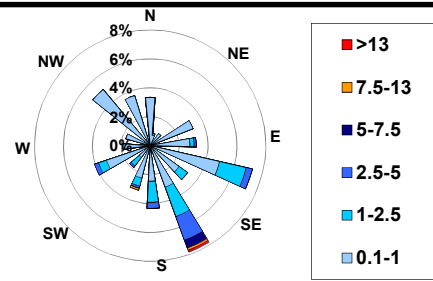
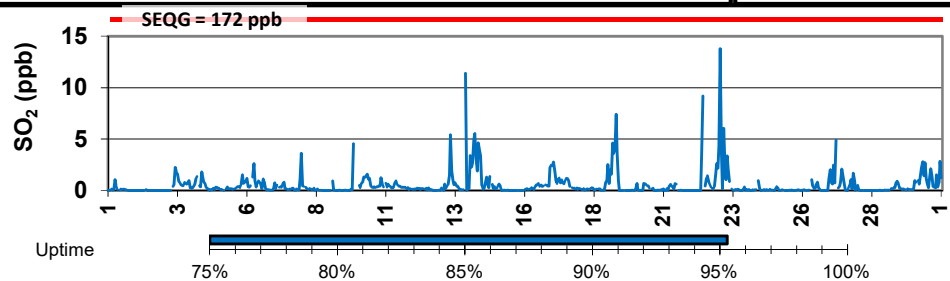
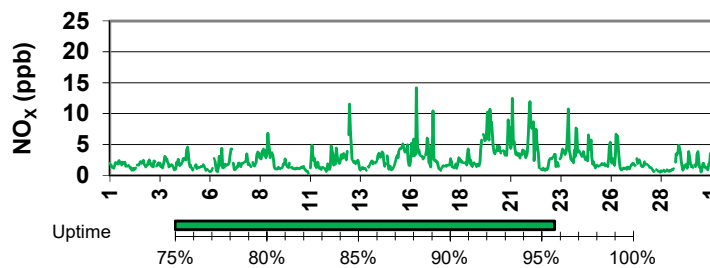
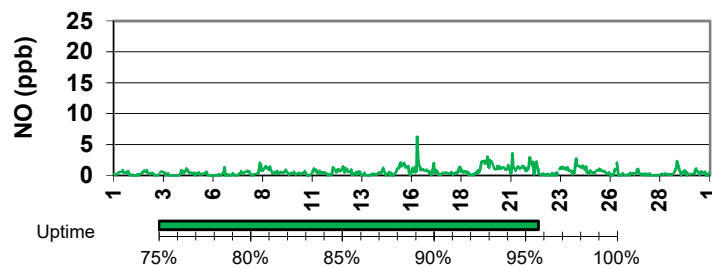
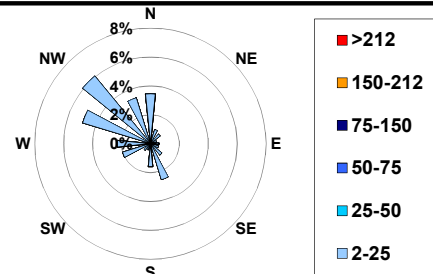
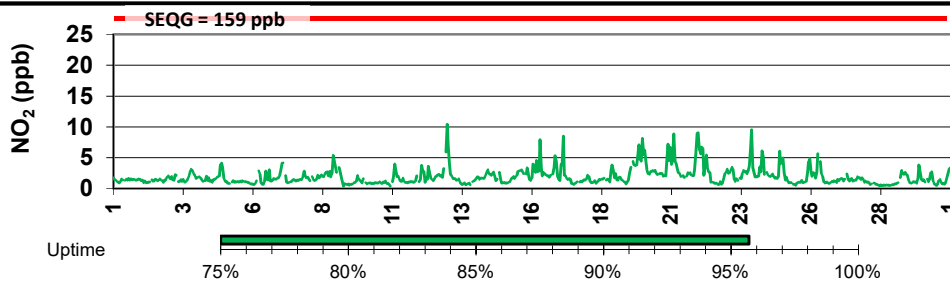
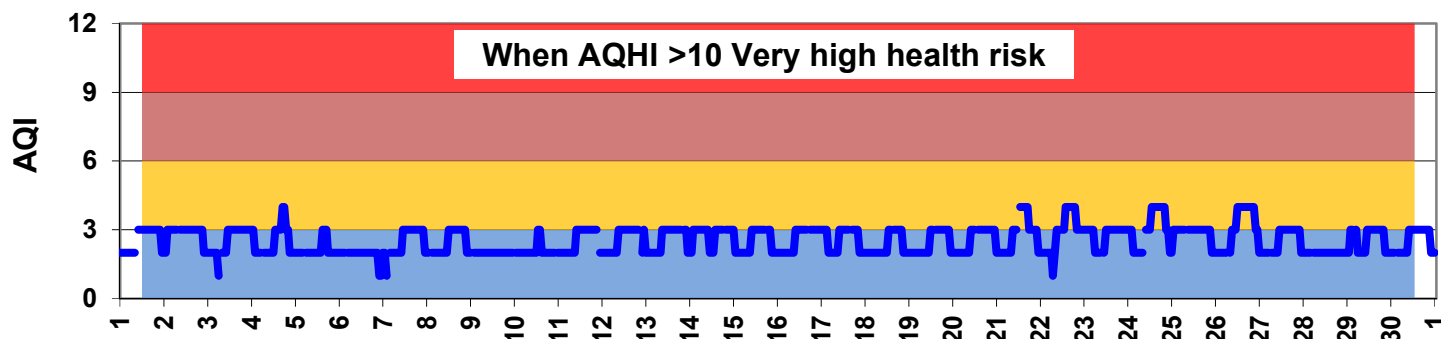
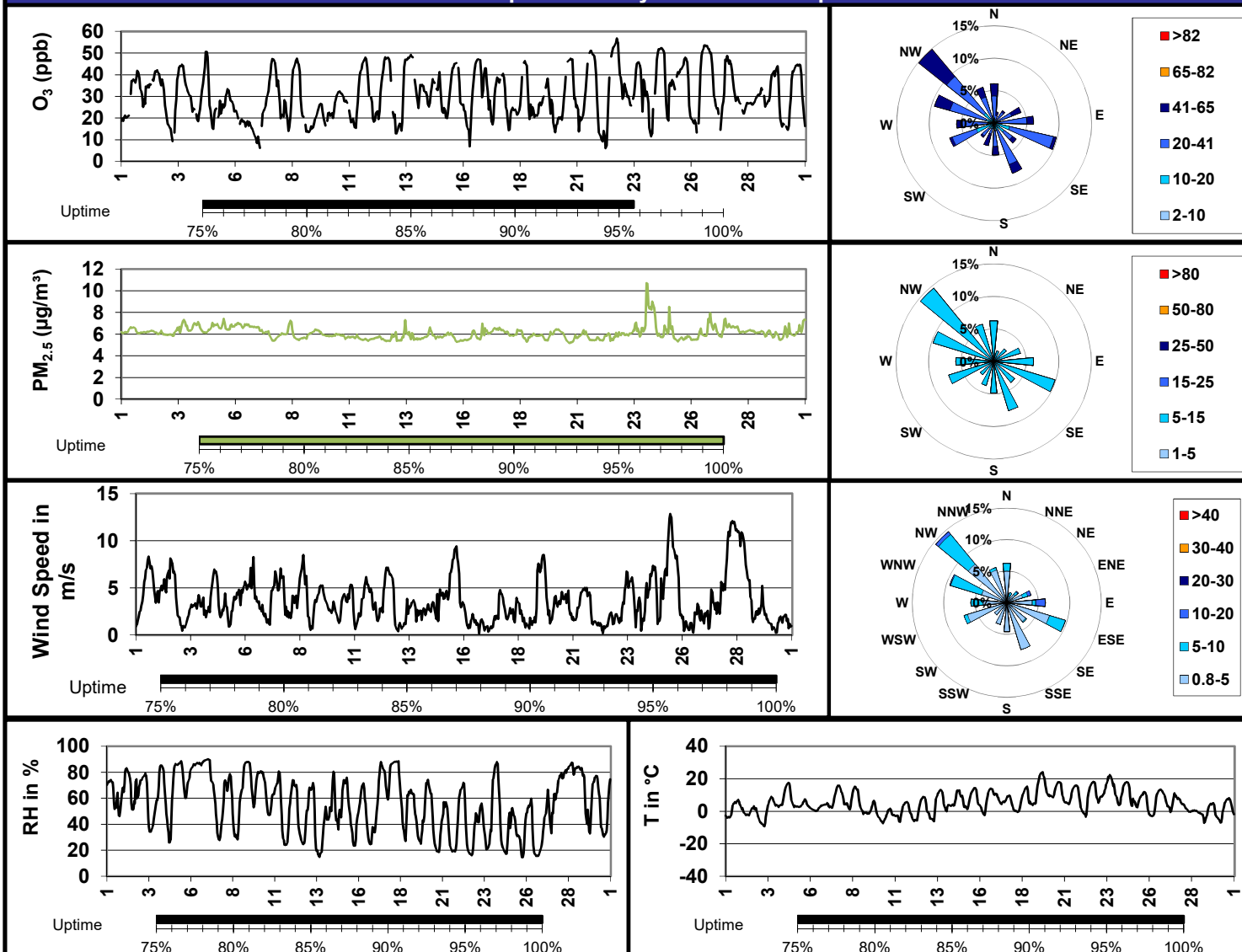


SESAA - April 2019 Weyburn Station Report

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	95.7%	6.2	-	Apr-16 07:00	1.3	-	Apr-21	- / -
NO ₂ (ppb)	2.0	95.7%	10.4	159	Apr-12 23:00	3.5	106	Apr-21	0 / 0
NO _x (ppb)	2.5	95.7%	14.2	-	Apr-16 07:00	4.8	-	Apr-21	- / -
SO ₂ (ppb)	0.5	95.3%	13.8	172	Apr-23 01:00	1.8	-	Apr-14	0 / 0
H ₂ S (ppb)	0.2	95.3%	9.3	11	Apr-17 07:00	1.1	3.6	Apr-17	0 / 0
O ₃ (ppb)	30.6	95.7%	56.7	82	Apr-22 18:00	36.5	63	Apr-25	0 / 0
PM _{2.5} (µg/m ³)	6.1	100.0%	10.7	-	Apr-24 01:00	7.3	30	Apr-01	- / 0



SESAA - April 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
4/17/2019 7:00	1.4	0.8	9.3	17.0	6.3	0.7	133.8	4.4	84.3

Update Summary:

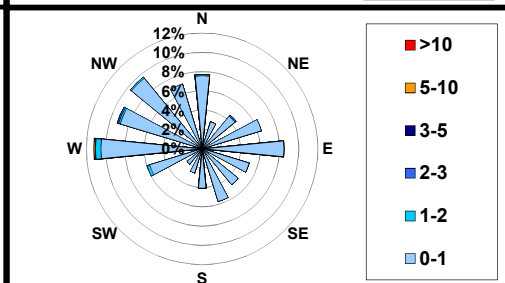
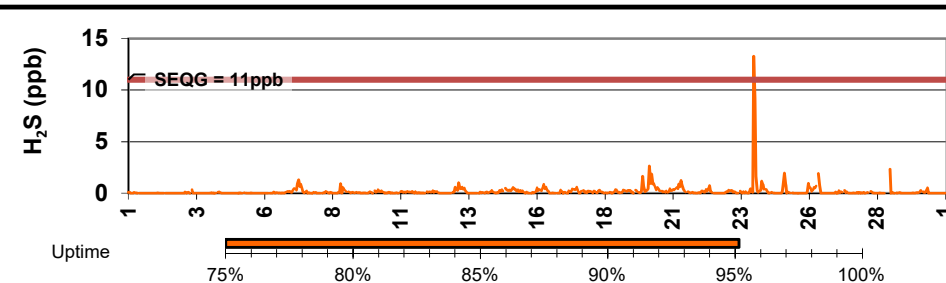
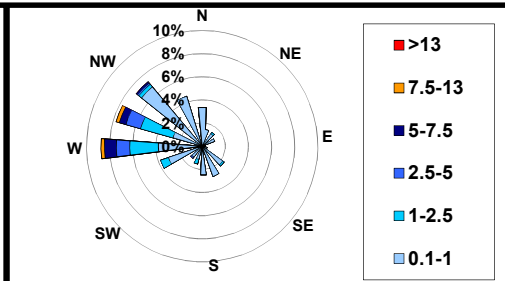
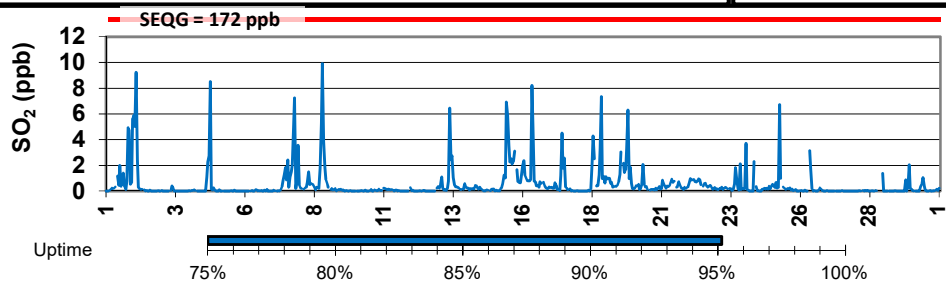
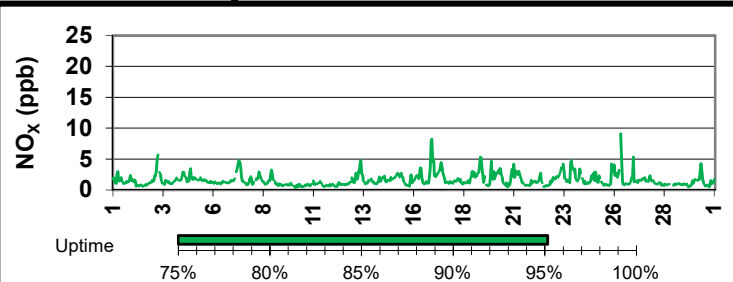
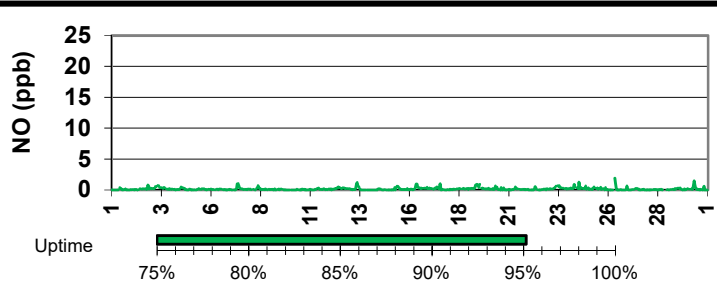
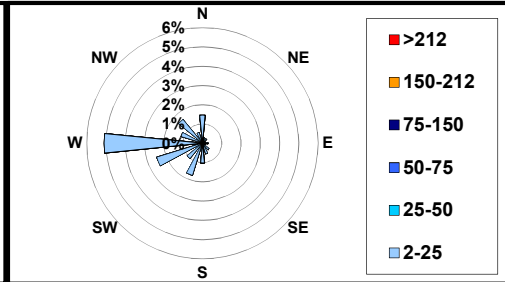
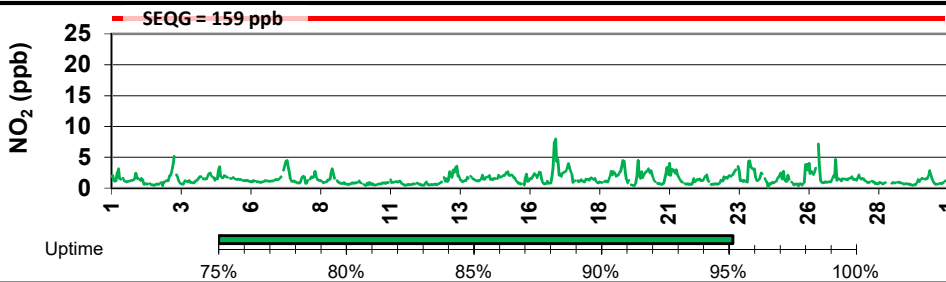
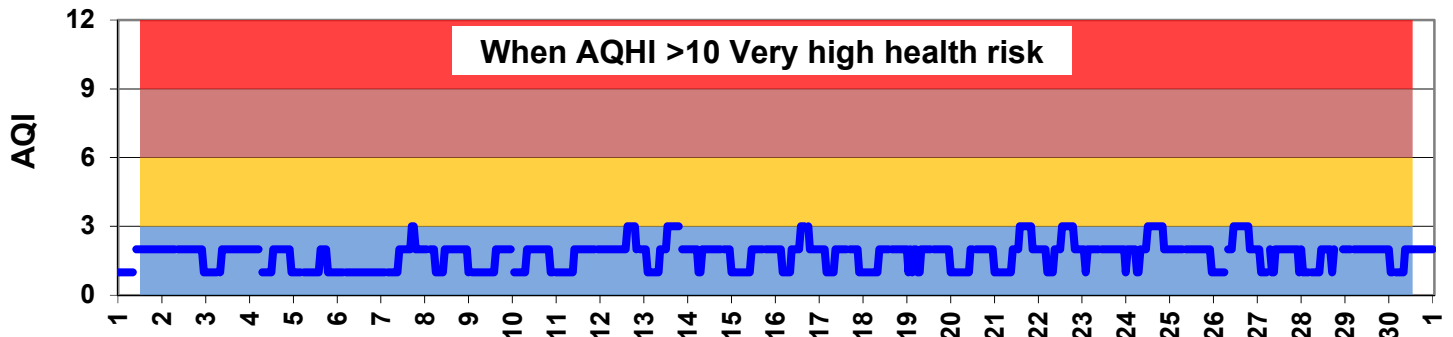
There were no exceedance in the month of April 2019, the maximum hydrogen sulphide occurred during calm winds from south-east.

Instruments uptime remained >95%. Flow and Pressure warnings with SO₂/H₂S were present, maintenance actions were addressed

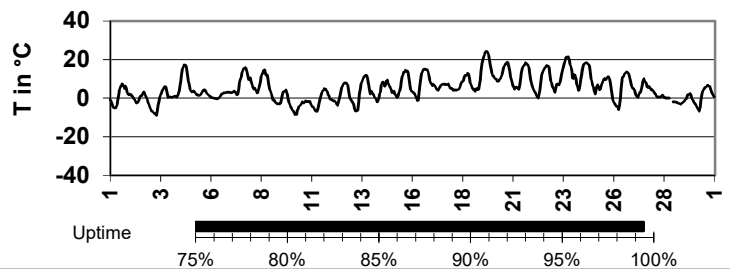
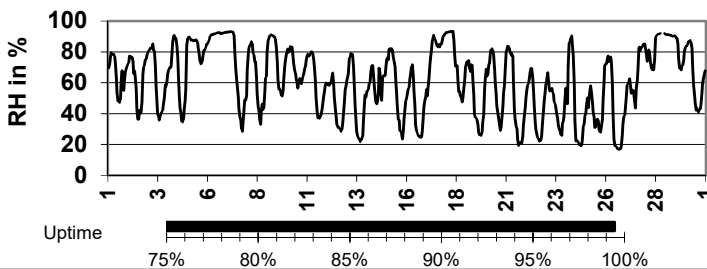
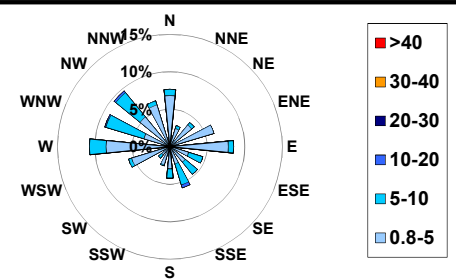
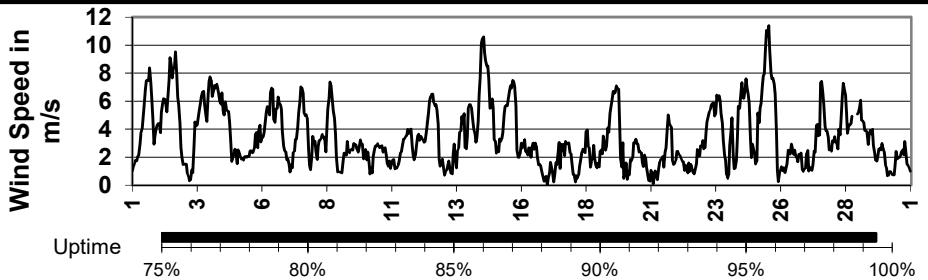
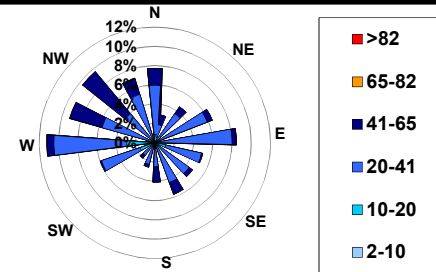
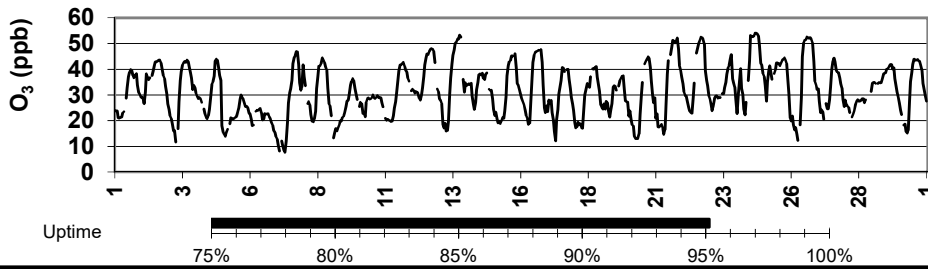
Data showed a low to moderate Air Quality Health Index for the month.

SESAA - April 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)	0.2	95.1%	1.9	-	Apr-26 08:00	0.3	-	Apr-19	- / -
NO ₂ (ppb)	1.5	95.1%	8.0	159	Apr-16 22:00	2.2	106	Apr-16	0 / 0
NO _x (ppb)	1.6	95.1%	9.1	-	Apr-26 08:00	2.5	-	Apr-16	- / -
SO ₂ (ppb)	0.5	95.1%	9.9	172	Apr-08 19:00	1.5	-	Apr-15	0 / 0
H ₂ S (ppb)	0.2	95.1%	13.3	11	Apr-23 23:00	0.7	3.6	Apr-23	1 / 0
O ₃ (ppb)	31.6	95.1%	54.0	82	Apr-24 16:00	39.2	63	Apr-24	0 / 0
PM _{2.5} (µg/m ³)									



SESAA - April 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
4/23/2019 23:00	3.2	0.2	13.3	28.4	-	0.5	278.3	10.3	49.8

Update Summary:

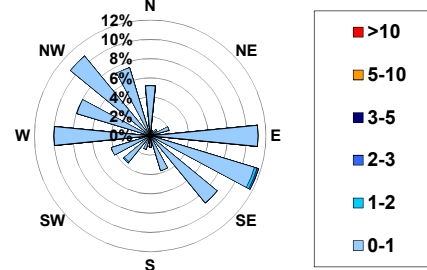
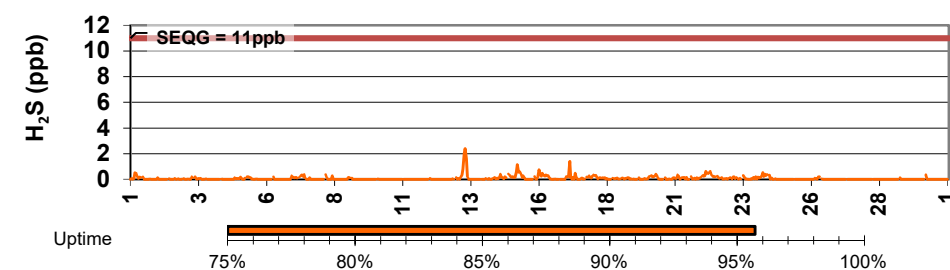
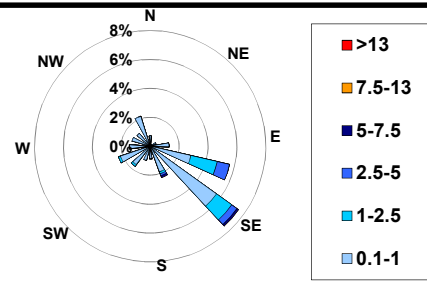
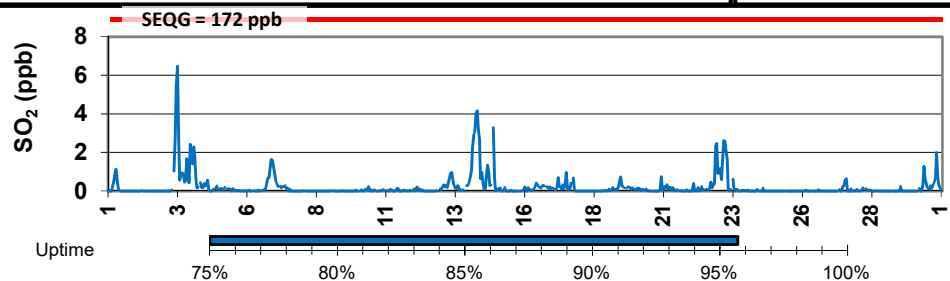
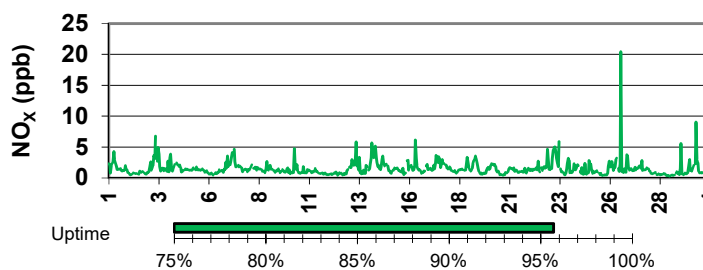
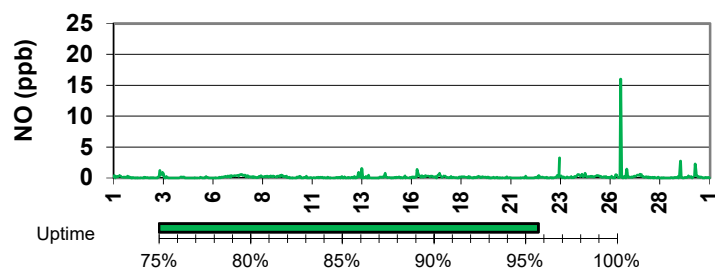
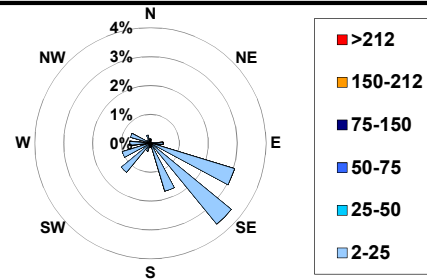
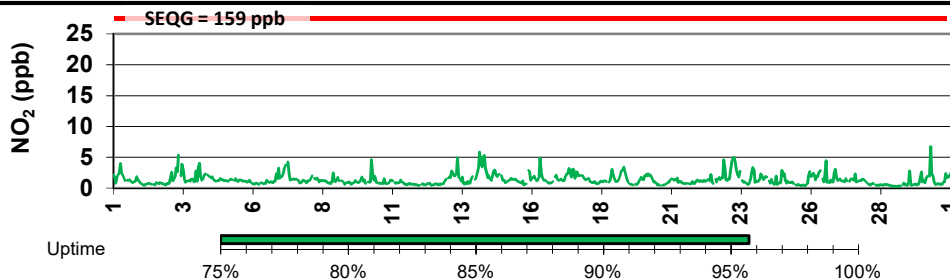
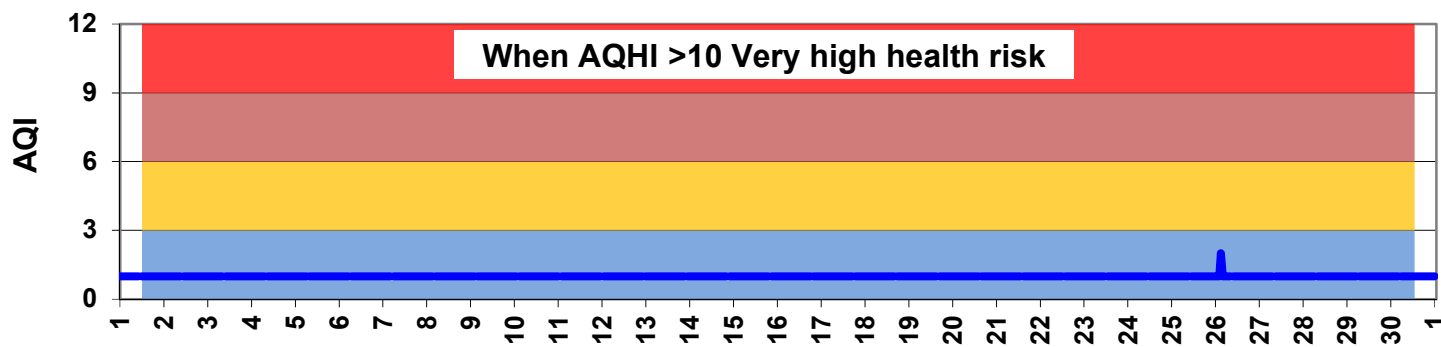
There was one exceedance of hydrogen sulphide during the month of April 2019, during a period of calm winds from the west.

Instrument uptimes were >95%.

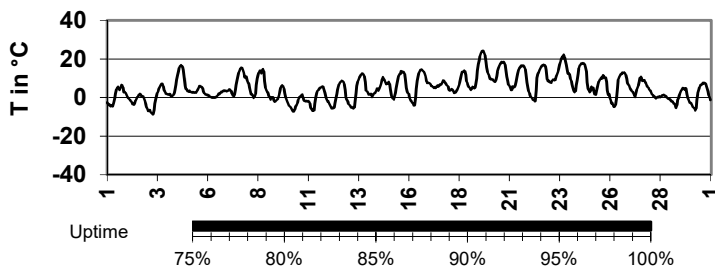
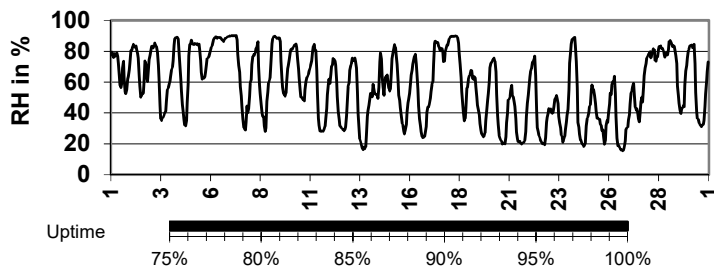
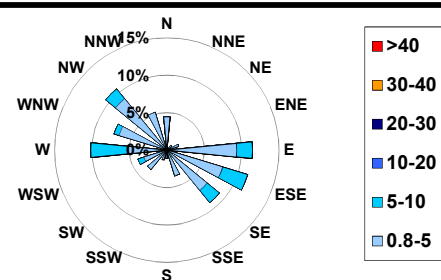
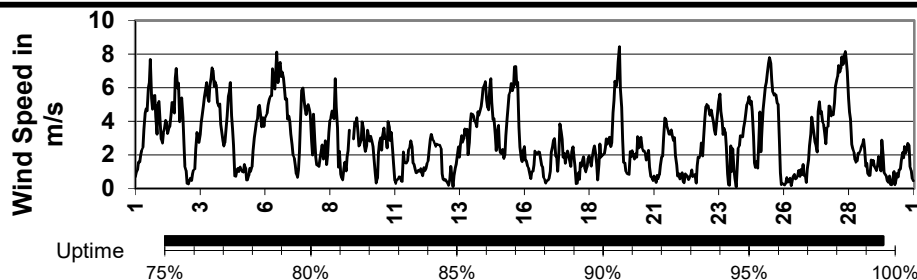
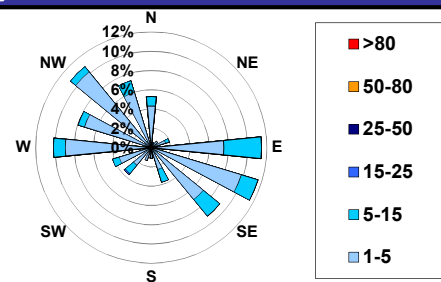
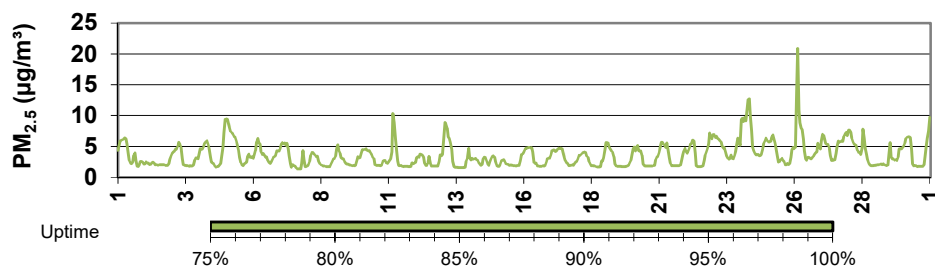
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of PM_{2.5})

SESAA - April 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	95.7%	16.0	-	Apr-26 13:00	0.9	-	Apr-26	- / -
NO ₂ (ppb)	1.4	95.7%	6.7	159	Apr-30 07:00	2.6	106	Apr-14	0 / 0
NO _x (ppb)	1.5	95.7%	20.4	-	Apr-26 13:00	2.6	-	Apr-14	- / -
SO ₂ (ppb)	0.2	95.7%	6.5	172	Apr-03 12:00	1.4	-	Apr-14	0 / 0
H ₂ S (ppb)	0.1	95.7%	2.4	11	Apr-13 07:00	0.3	3.6	Apr-13	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	3.6	100.0%	20.9	-	Apr-26 03:00	9.7	30	Apr-01	- / 0



SESAA - April 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
4/13/2019 7:00	2.5	0.7	2.4	-	5.7	0.8	109.4	-5.1	73.4

Update Summary:

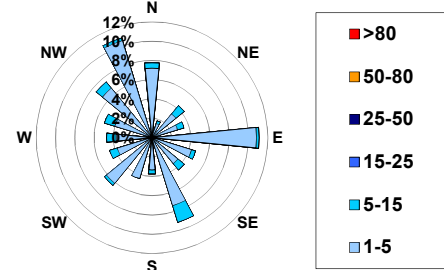
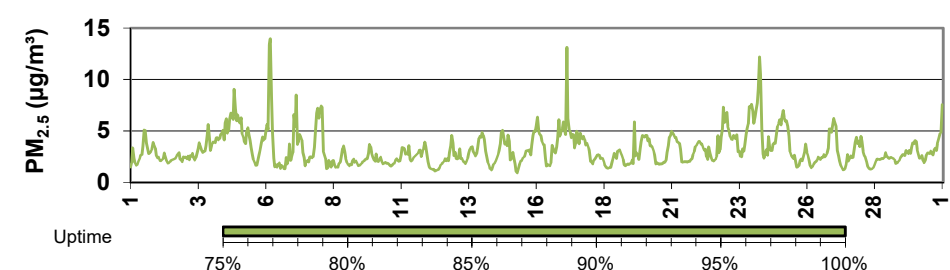
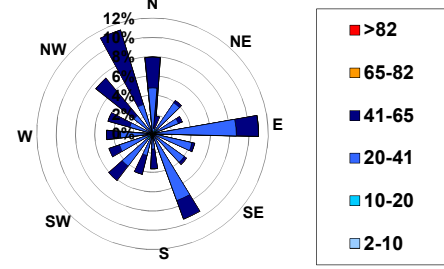
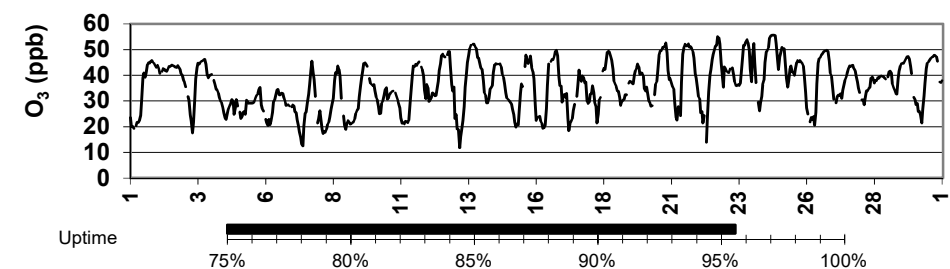
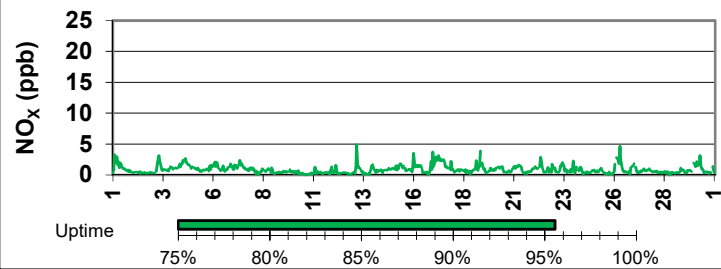
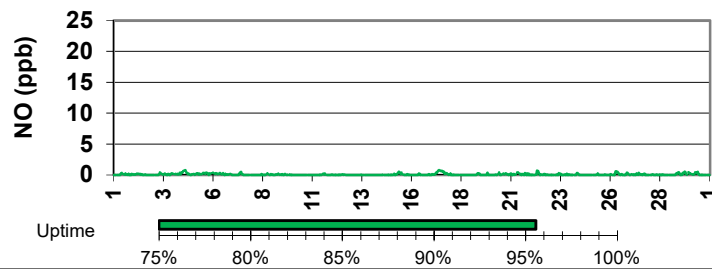
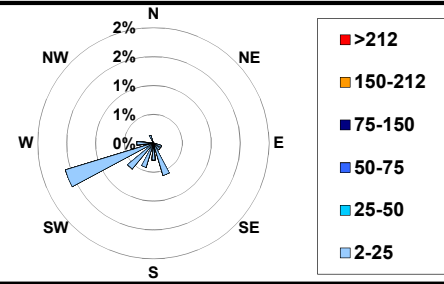
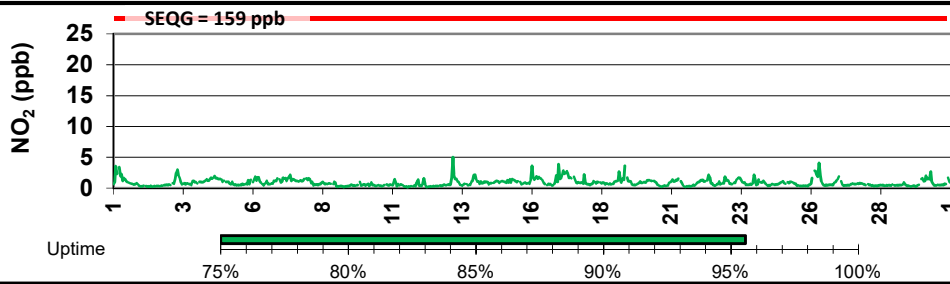
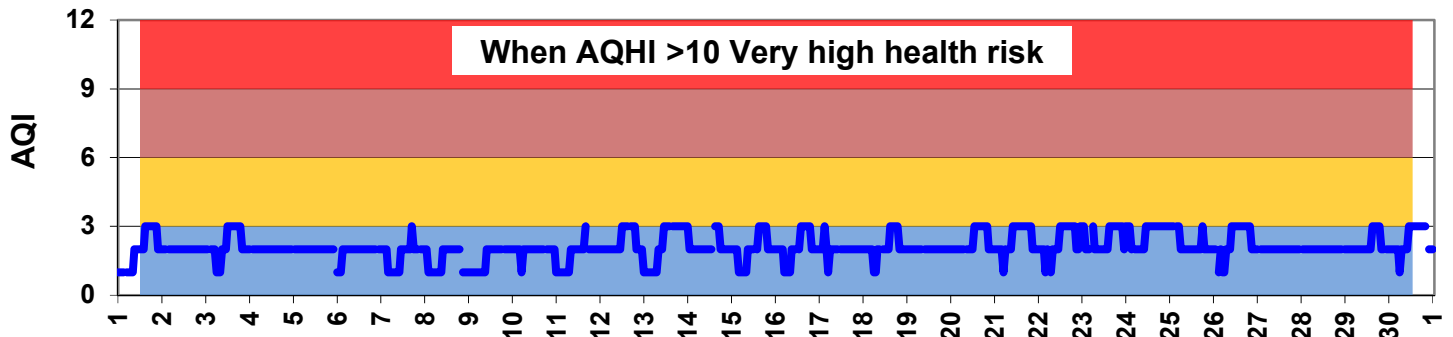
There were no exceedances in the month of April 2019

Instrument uptimes remained >95%

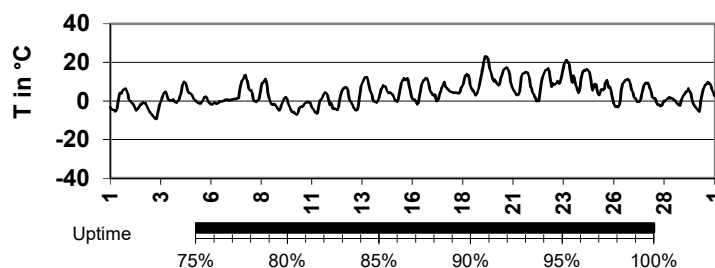
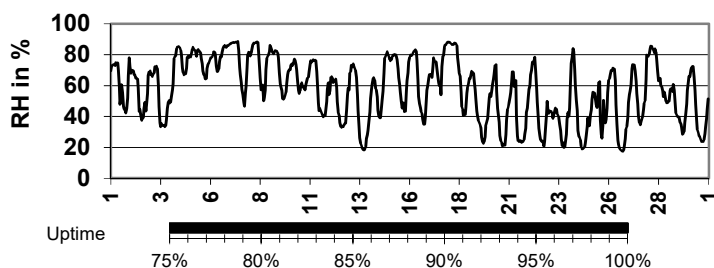
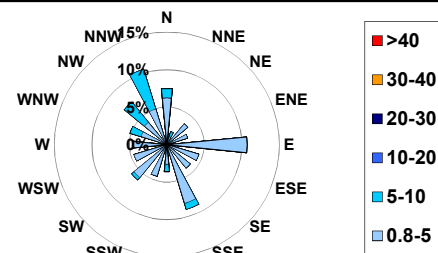
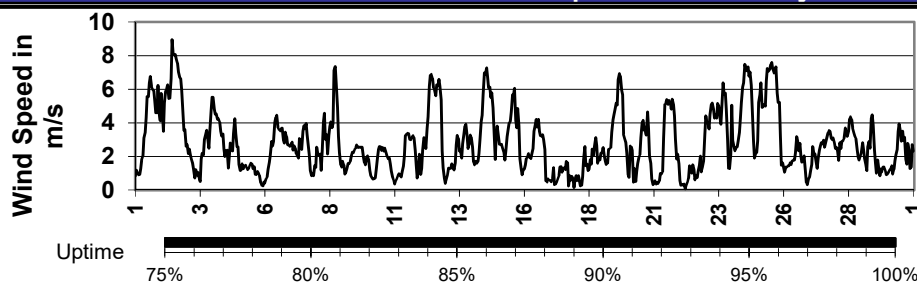
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of ozone)

SESAA - April 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)	0.1	95.6%	0.8	-	Apr-17 09:00	0.3	-	Apr-17	- / -
NO ₂ (ppb)	0.9	95.6%	5.0	159	Apr-13 04:00	1.5	106	Apr-17	0 / 0
NO _x (ppb)	0.9	95.6%	4.9	-	Apr-13 04:00	1.8	-	Apr-17	- / -
SO ₂ (ppb)									
H ₂ S (ppb)									
O ₃ (ppb)	36.0	95.6%	55.7	82	Apr-24 18:00	43.3	63	Apr-24	0 / 0
PM _{2.5} (µg/m ³)	3.2	100.0%	14.0	-	Apr-06 04:00	7.6	30	Apr-01	- / 0



SESAA - April 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
4/6/2018 4:00	1.8	-	-	20.8	14.0	1.7	139.9	-0.9	82.0

Update Summary:

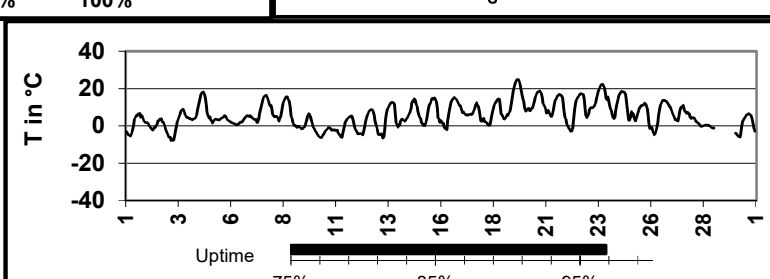
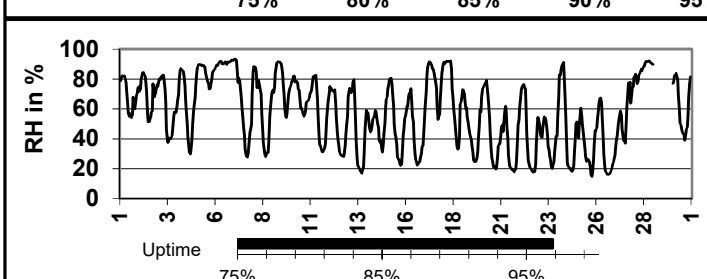
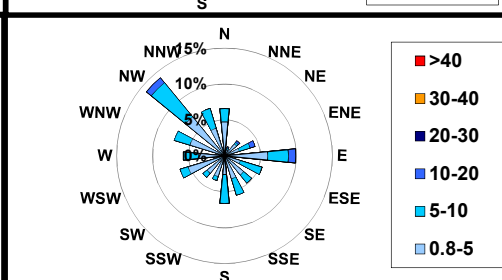
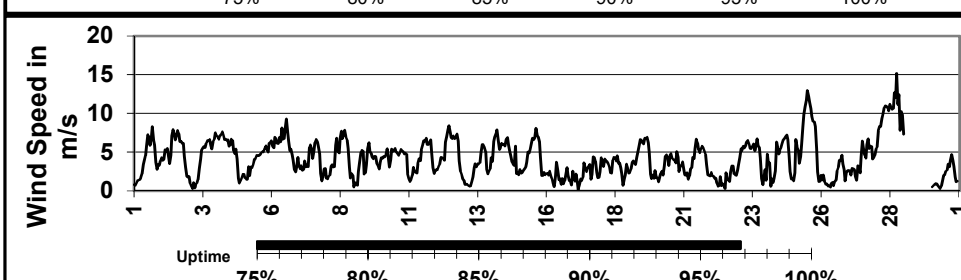
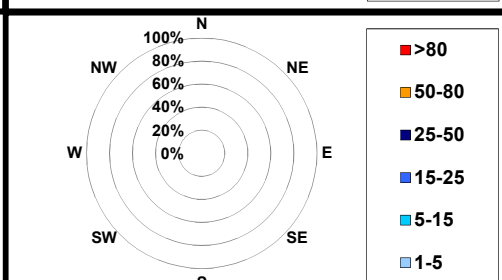
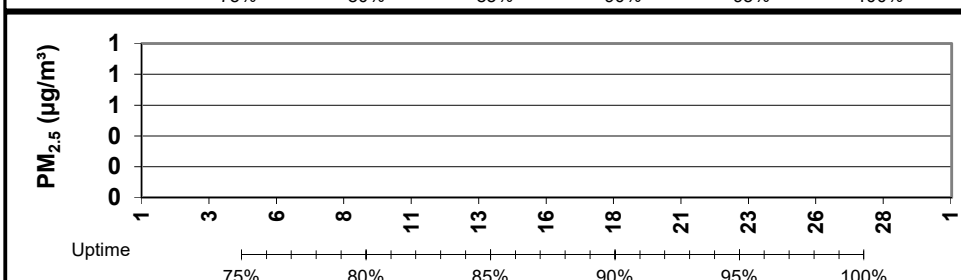
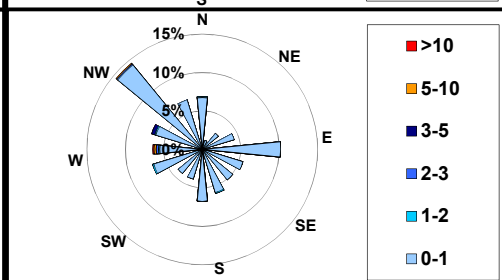
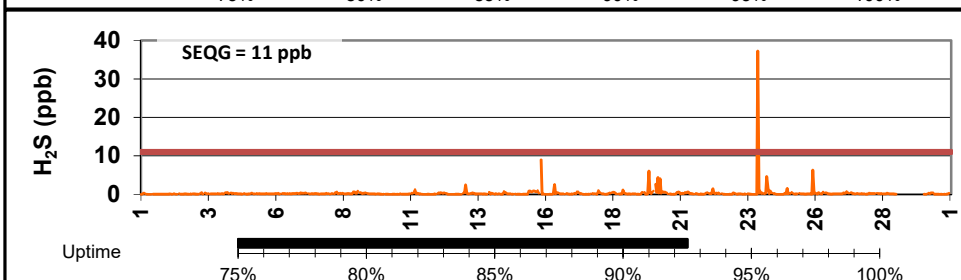
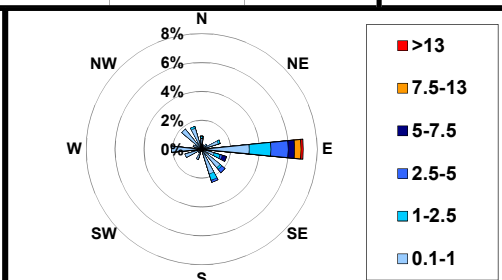
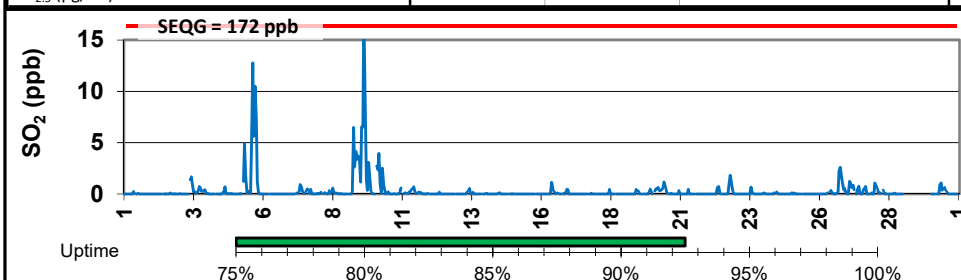
There were no exceedances for the month of April 2019;

All instruments remained at >95% uptime.

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

SESAA - April 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	92.5%	18.0	172	Apr-09 15:00	3.0	48	Apr-09	0 / 0
H ₂ S (ppb)	0.3	92.5%	37.2	11	Apr-23 21:00	1.7	4	Apr-23	1 / 0
PM _{2.5} (µg/m ³)									



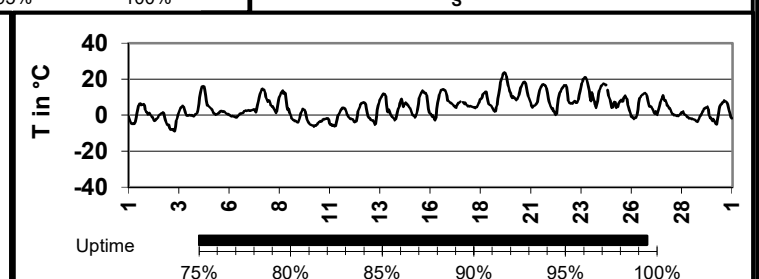
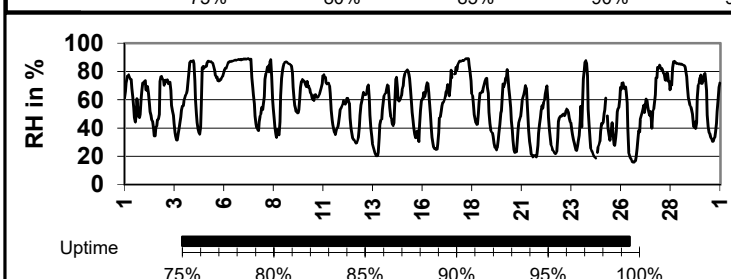
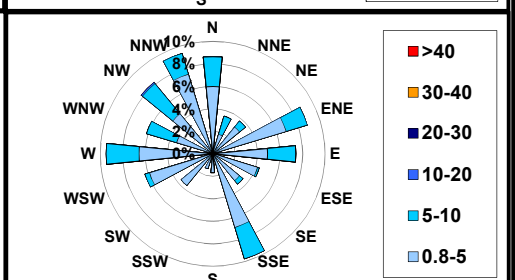
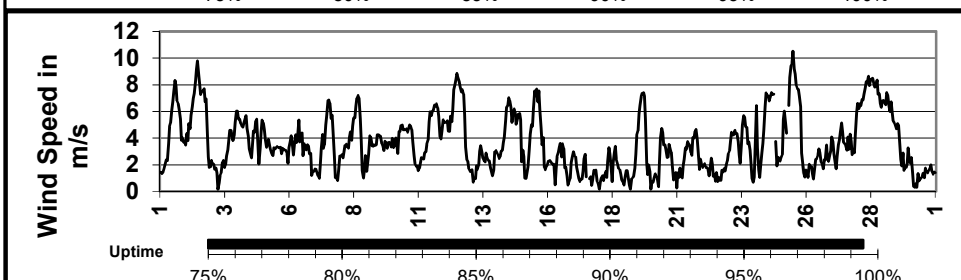
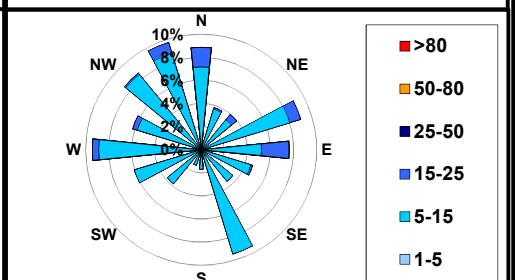
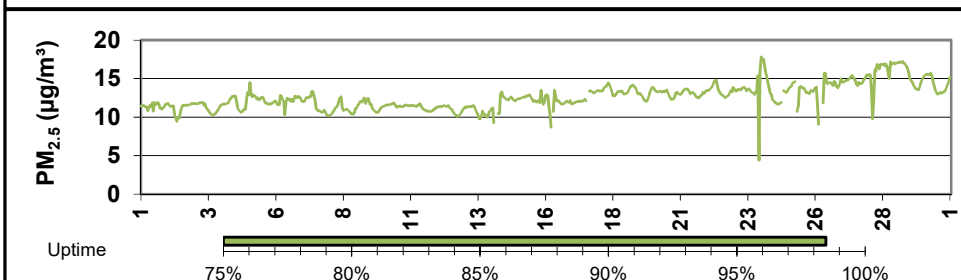
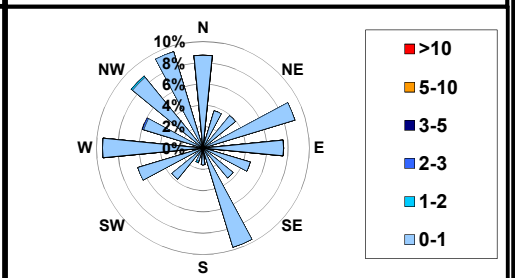
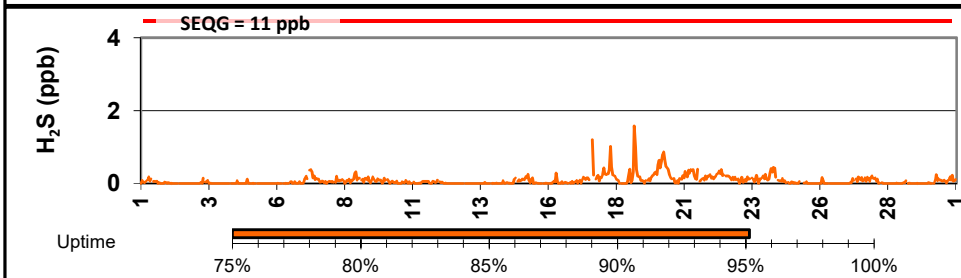
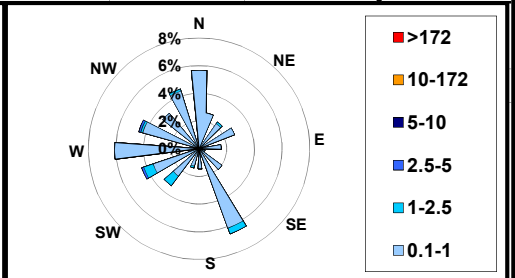
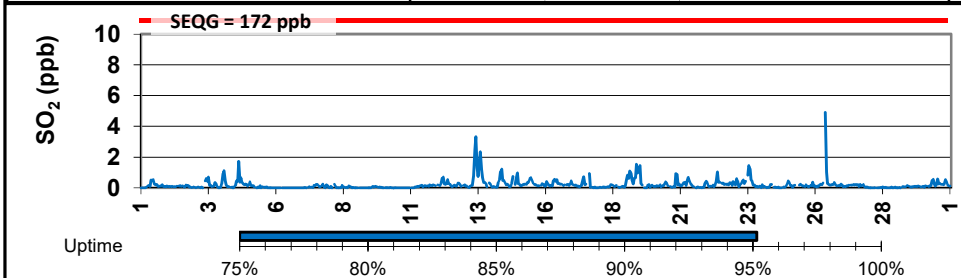
Update Summary:

There was one exceedance of hydrogen sulphide in the month of April 2019, which occurred during calm winds from the west.

Instrument uptime was >90% for H₂S and SO₂. The PM_{2.5} is planned to be replaced next month.

SESAA - April 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)	0.2	95.1%	4.9	172	Apr-26 09:00	0.7	-	Apr-13	0 / 0
H ₂ S (ppb)	0.1	95.1%	2.1	11	Apr-25 08:00	0.3	3.6	Apr-20	0 / 0
PM _{2.5} (µg/m ³)	12.6	98.5%	17.8	-	Apr-24 00:00	15.9	30	Apr-28	- / 0



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
4/24/2019 0:00	-	0.0	2.1	-	17.8	1.1	326.0	7.8	55.2

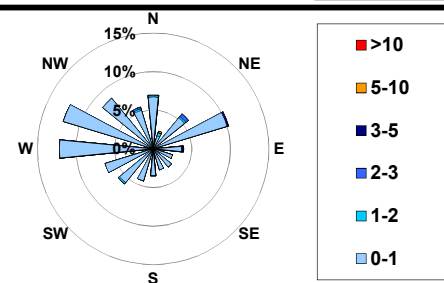
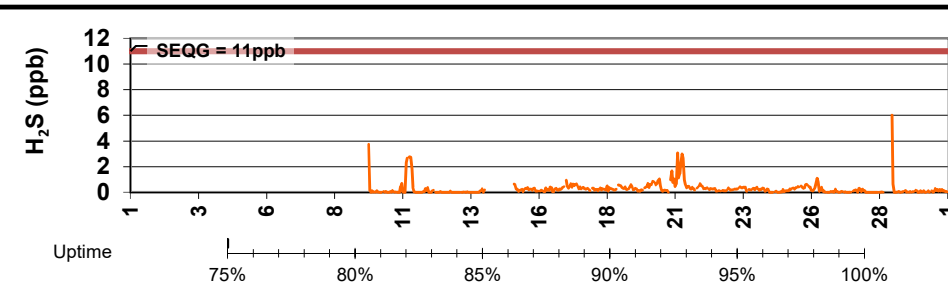
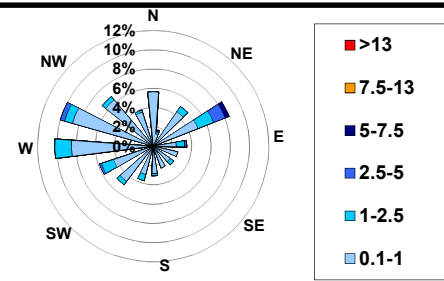
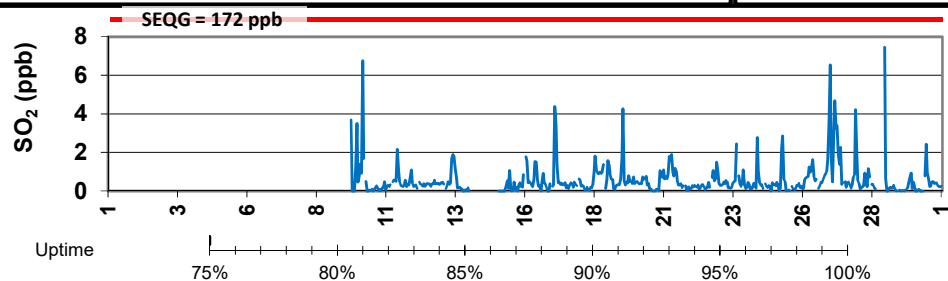
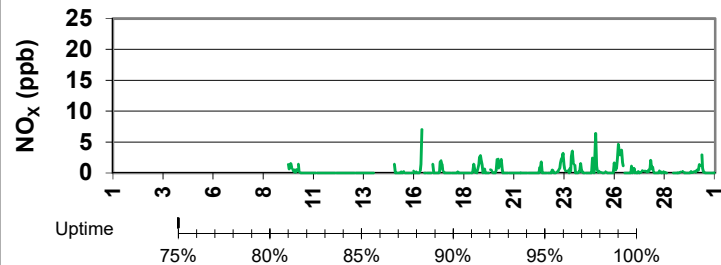
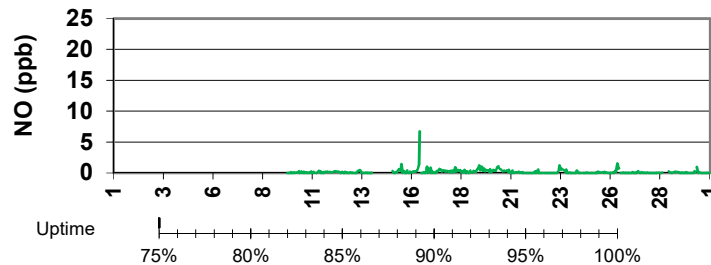
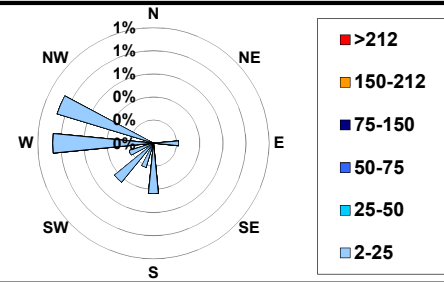
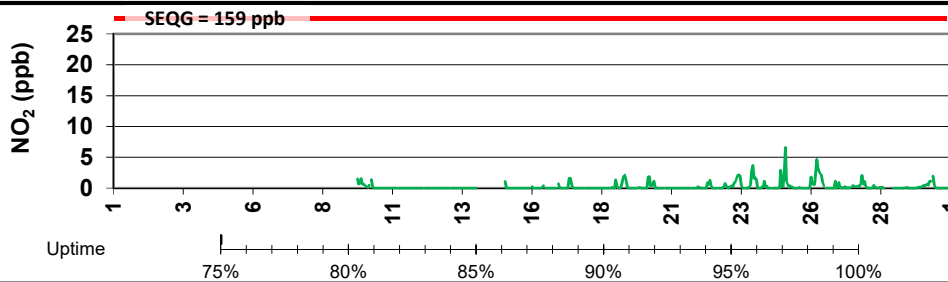
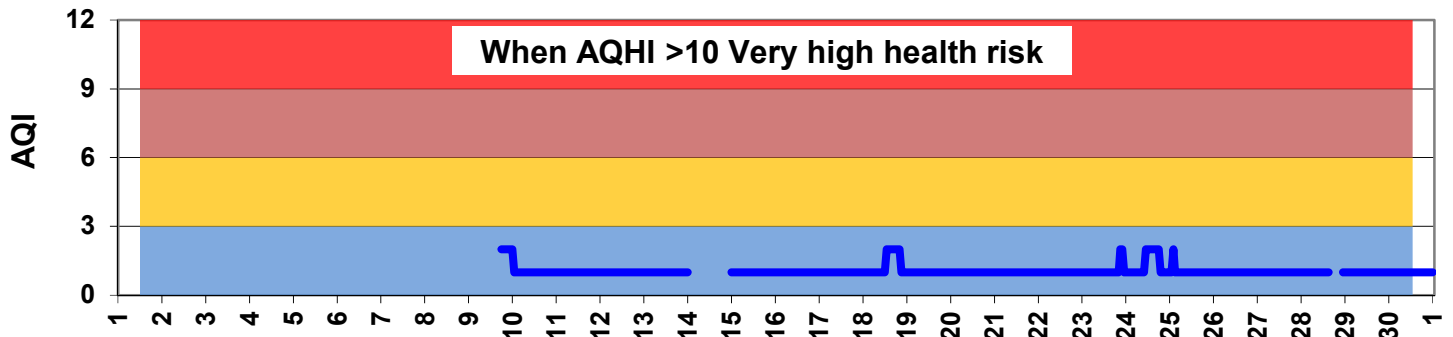
Update Summary:

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

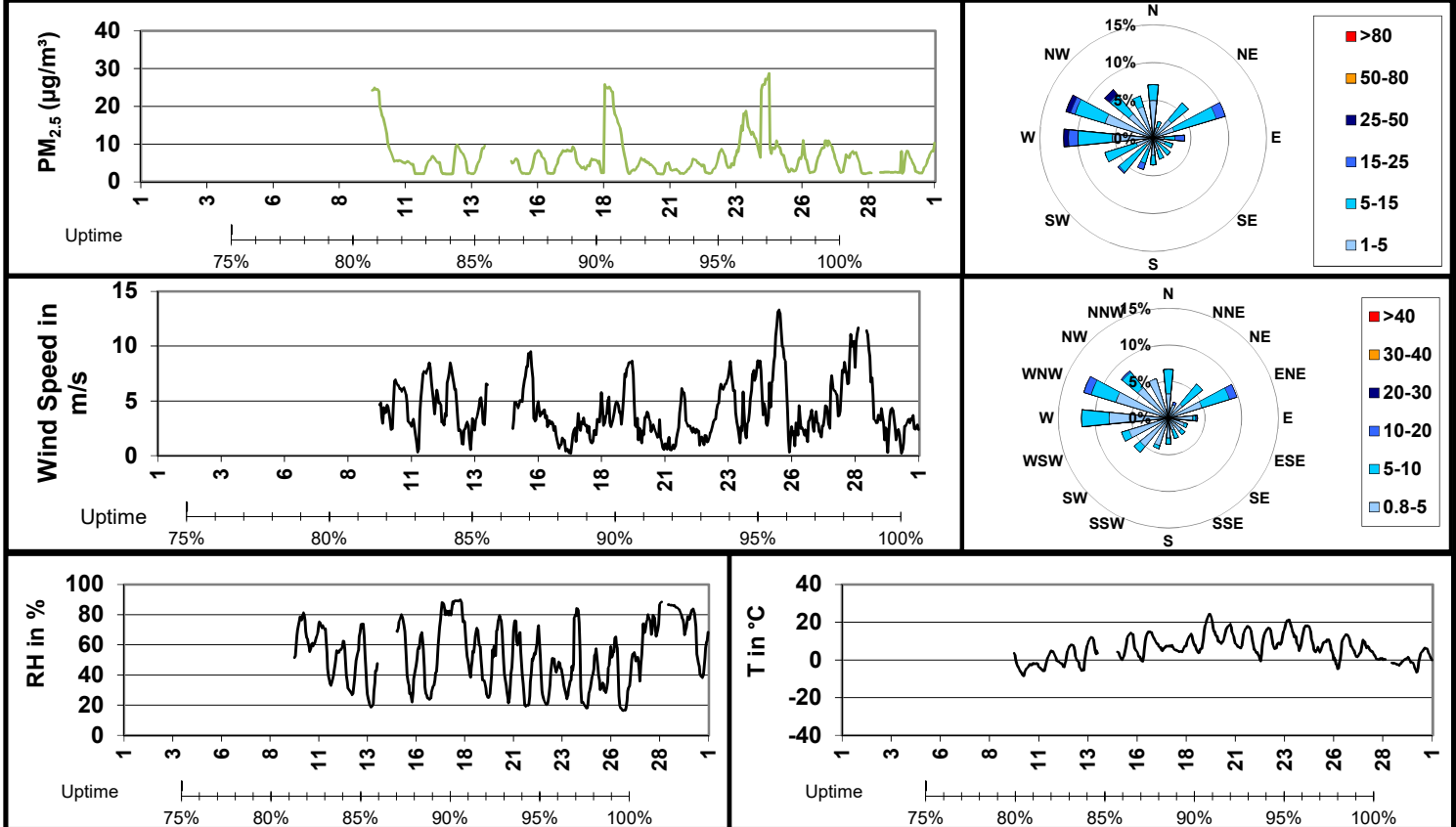
All instruments remained >95% uptime

SESAA - April 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)	0.2	63.5%	6.7	-	Apr-16 10:00	0.6	-	Apr-16	- / -
NO ₂ (ppb)	0.3	63.7%	6.6	159	Apr-25 02:00	1.0	106	Apr-26	0 / 0
NO _x (ppb)	0.3	63.1%	7.1	-	Apr-16 10:00	1.2	-	Apr-26	- / -
SO ₂ (ppb)	0.6	63.7%	7.4	172	Apr-28 23:00	1.6	-	Apr-27	0 / 0
H ₂ S (ppb)	0.3	63.7%	6.0	11	Apr-28 23:00	0.9	3.6	Apr-21	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	6.6	66.7%	28.7	-	Apr-24 18:00	15.7	30	Apr-24	- / 0



SESAA - April 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
4/28/2019 23:00	0.0	7.4	6.0	-	2.5	11.4	30.2	-1.6	86.7

Update Summary:

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

Instruments uptime were 63% due to instrument shut down and just being re-started after failure