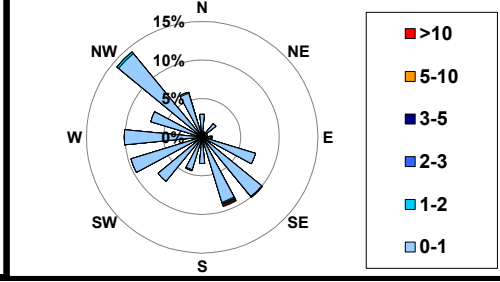
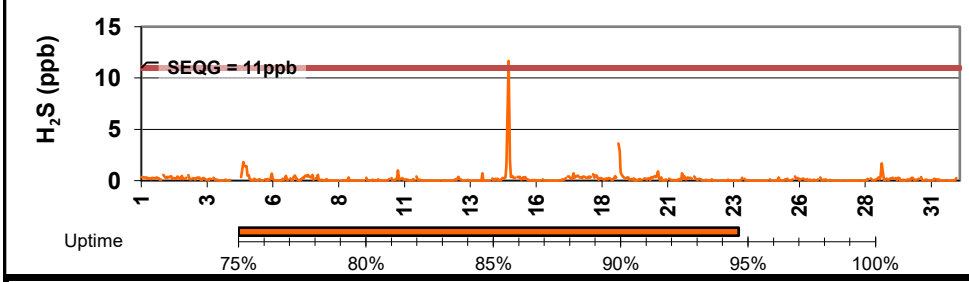
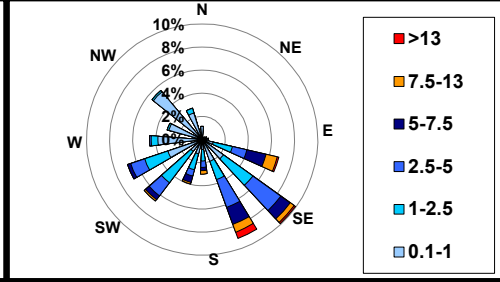
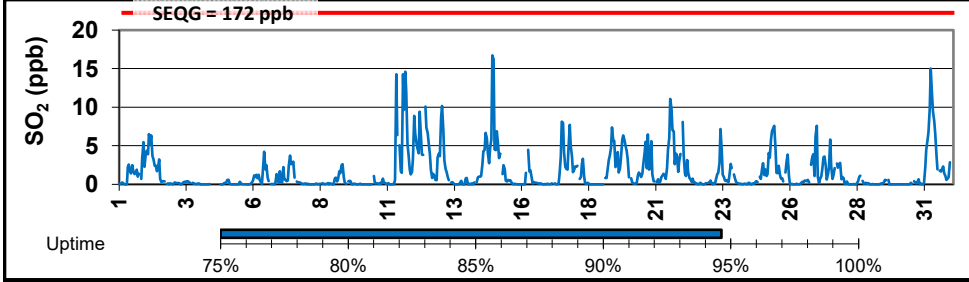
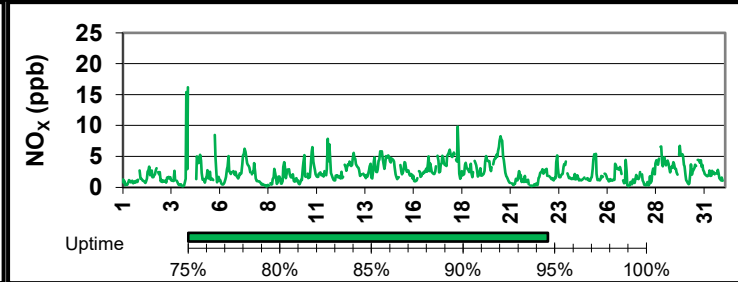
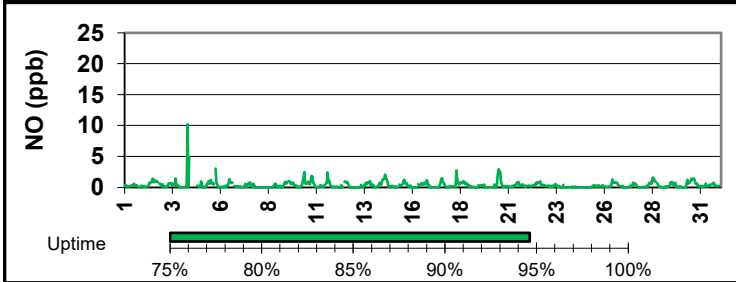
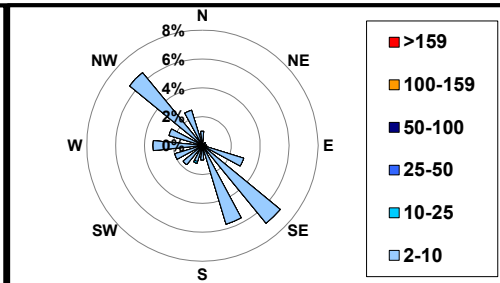
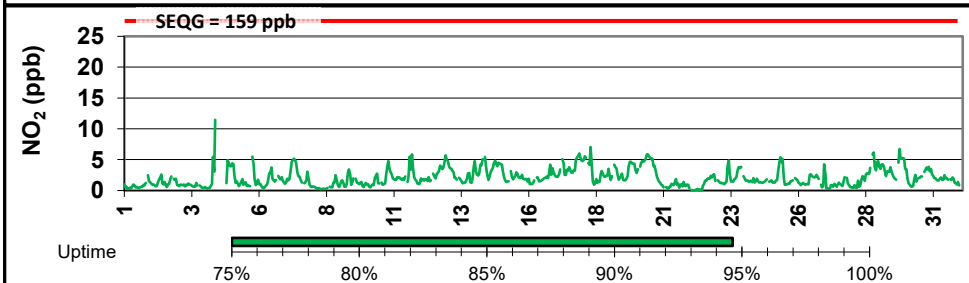
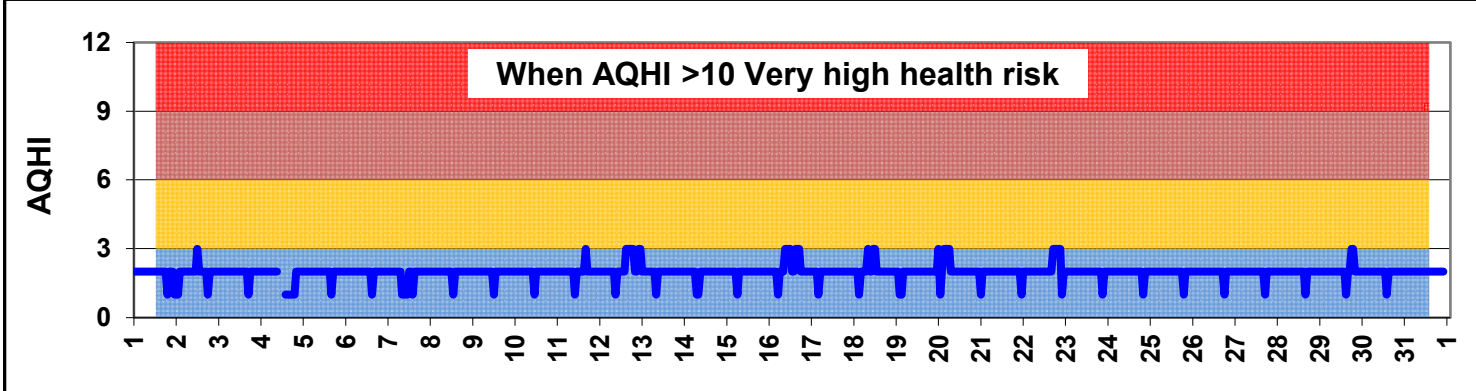
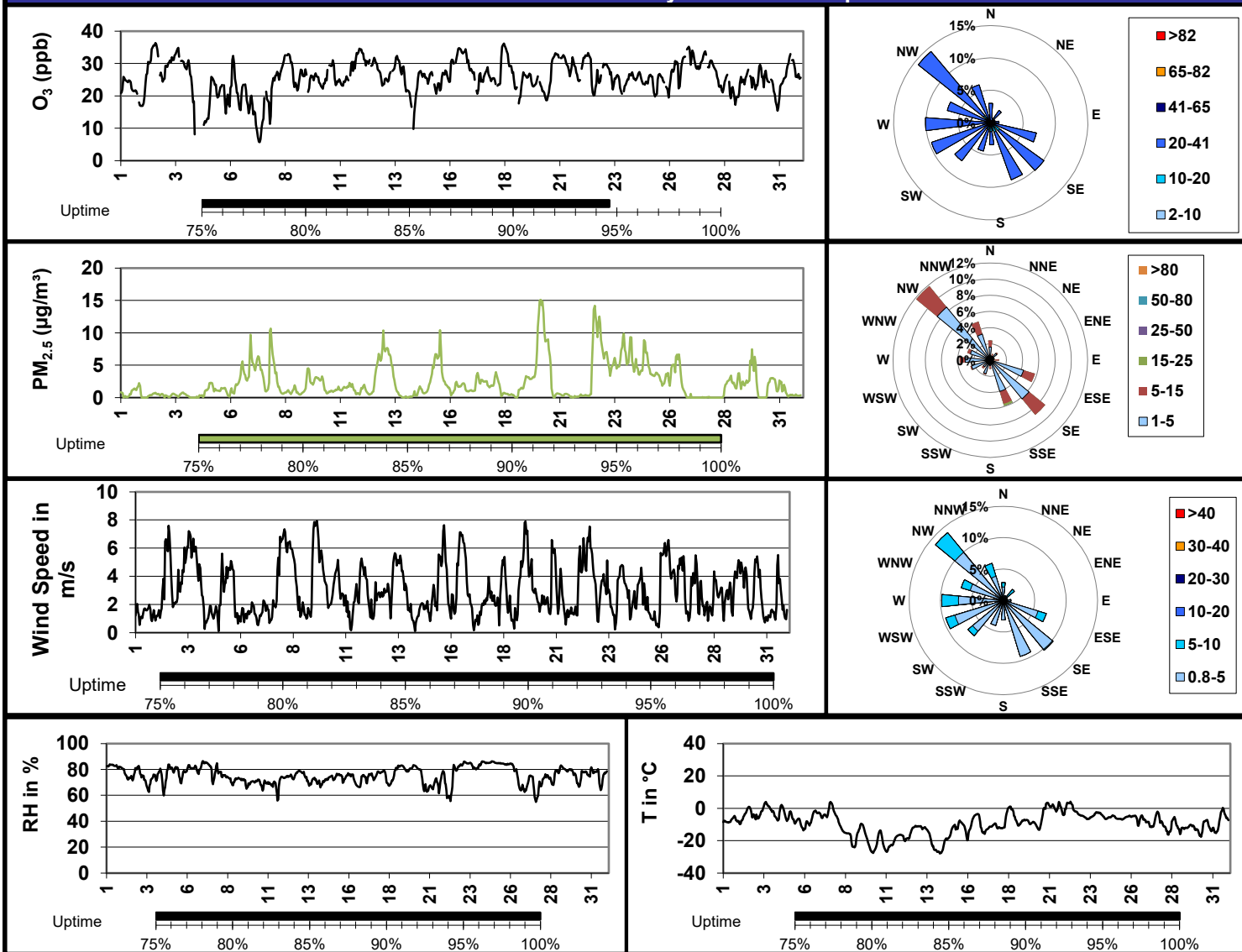


SESAA - December 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.4	95%	10.2	-	Dec-04 07:00	0.7	-	Dec-04	- / -
NO ₂ (ppb)	2.1	95%	11.5	159	Dec-04 09:00	3.6	106	Dec-20	0 / 0
NO _x (ppb)	2.4	95%	16.2	-	Dec-04 09:00	4.1	-	Dec-20	- / -
SO ₂ (ppb)	1.6	95%	16.7	172	Dec-14 22:00	4.3	48	Dec-12	0 / 0
H ₂ S (ppb)	0.2	95%	11.7	11	Dec-14 23:00	0.9	3.6	Dec-14	1 / 0
O ₃ (ppb)	25.8	95%	36.4	82	Dec-02 14:00	30.3	63	Dec-16	0 / 0
PM _{2.5} (µg/m ³)	2.4	100%	15.1	-	Dec-20 03:00	6.9	28	Dec-20	- / 0



SESAA - December 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-12-14 23:00	4.3	16.2	11.7	25.2	0.9	1.4	160.2	-15.5	75.2

Update Summary:

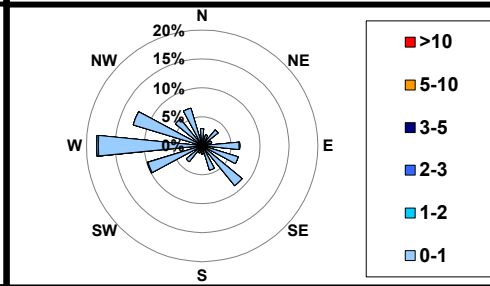
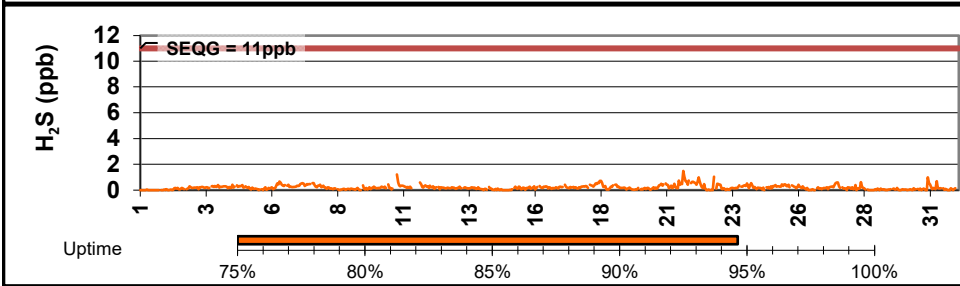
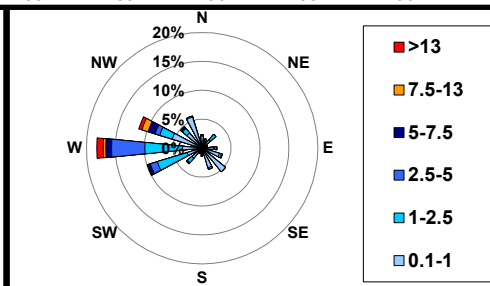
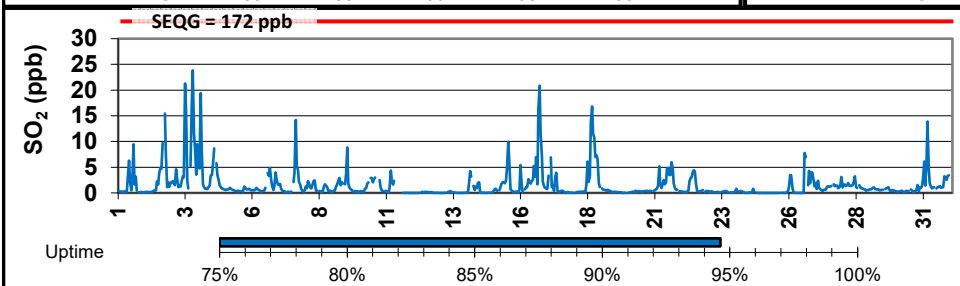
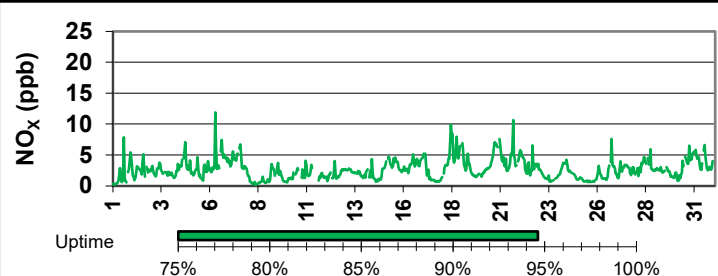
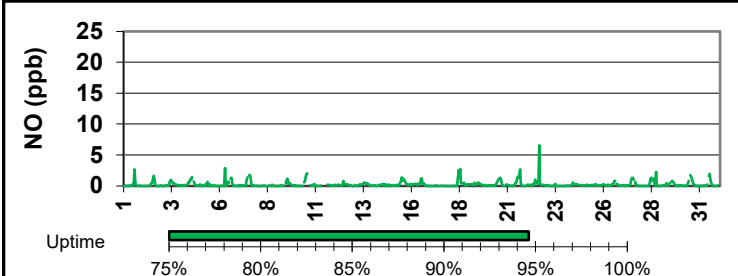
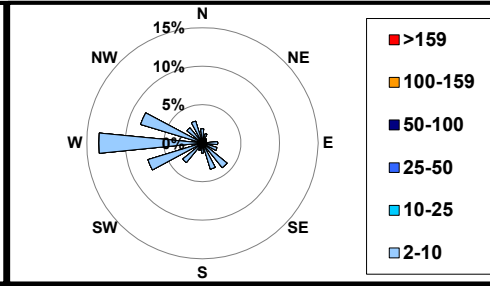
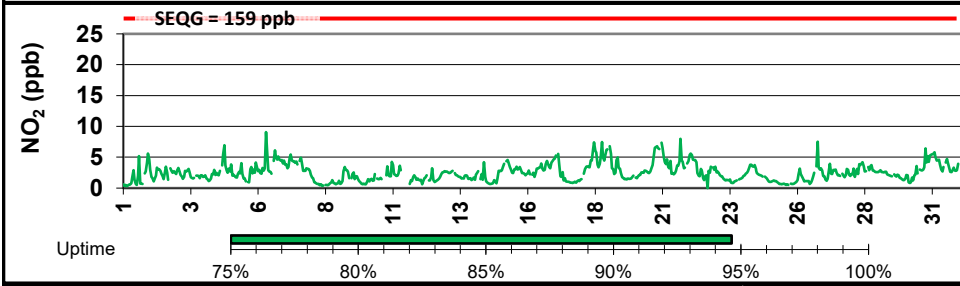
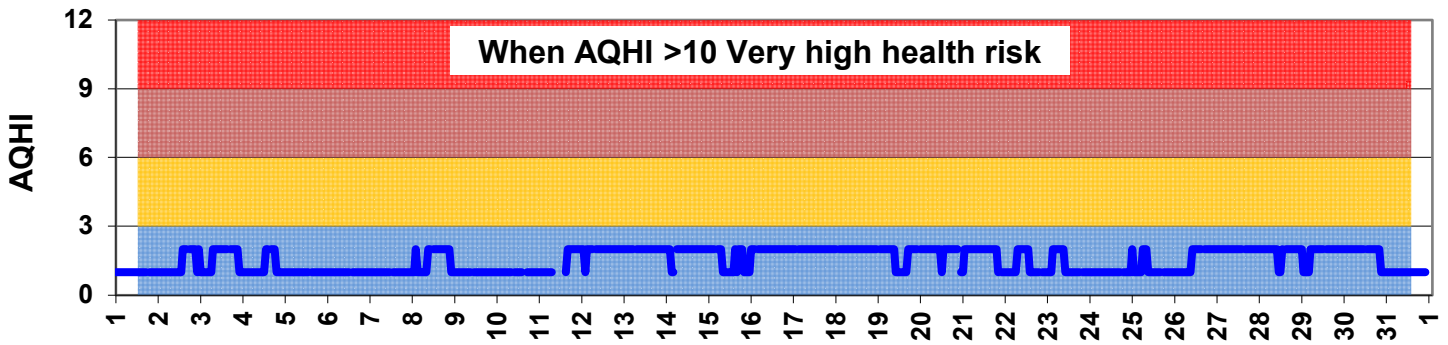
There was one elevated reading of hydrogen sulphide during low windspeeds from the SSE of the station.

Equipment was running above 90% uptime

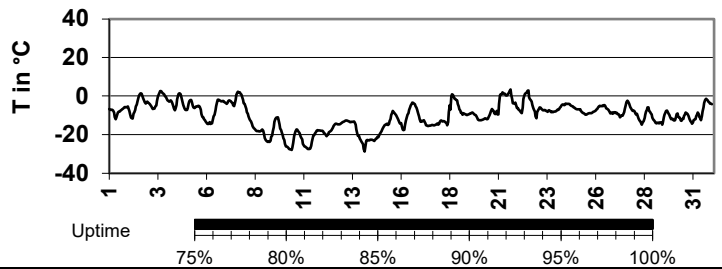
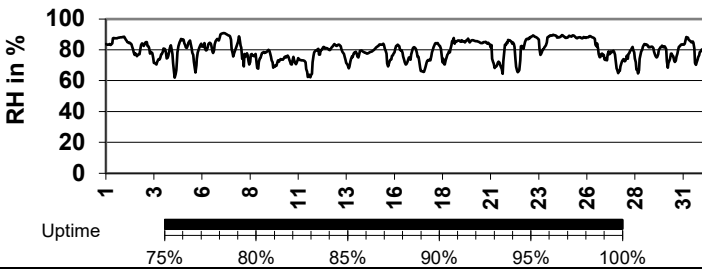
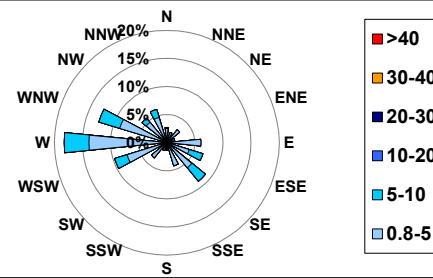
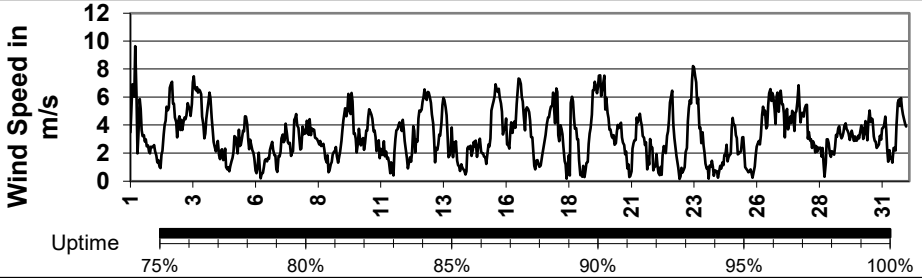
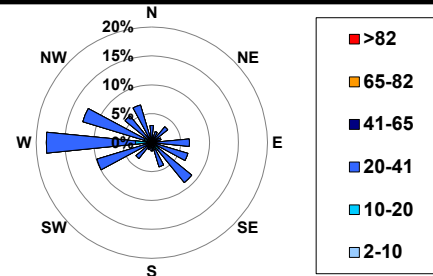
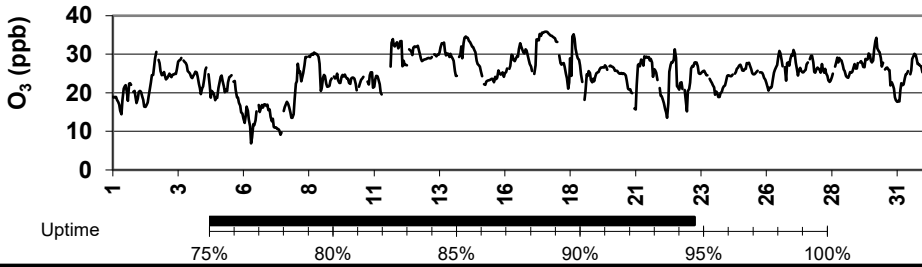
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - December 2019 Glen Ewen Station Report

Parm	1-hour					8-hour / 24-hour			Exceed 1hr / 24hr
	Average	Uptime	Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	-	95%	6.6	-	Dec-22 16:00	0.5	-	Dec-22	- / -
NO ₂ (ppb)	-	95%	9.1	159	Dec-06 07:00	4.4	106	Dec-18	0 / 0
NO _x (ppb)	-	95%	11.9	-	Dec-06 07:00	4.8	-	Dec-18	- / -
SO ₂ (ppb)	1.5	95%	23.9	172	Dec-03 19:00	6.2	48	Dec-03	0 / 0
H ₂ S (ppb)	0.2	95%	1.5	11	Dec-21 15:00	0.5	3.6	Dec-21	0 / 0
O ₃ (ppb)	24.9	95%	35.9	82	Dec-17 13:00	31.9	63	Dec-17	0 / 0



SESAA - December 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
2019-12-21 15:00	4.3	6.0	1.5	27.9	-	0.8	247.2	3.5	64.5

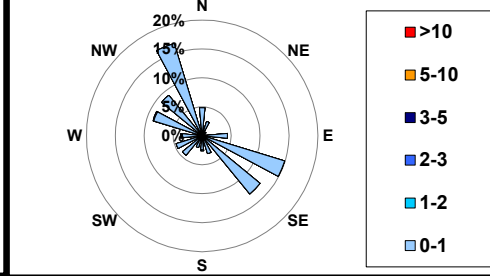
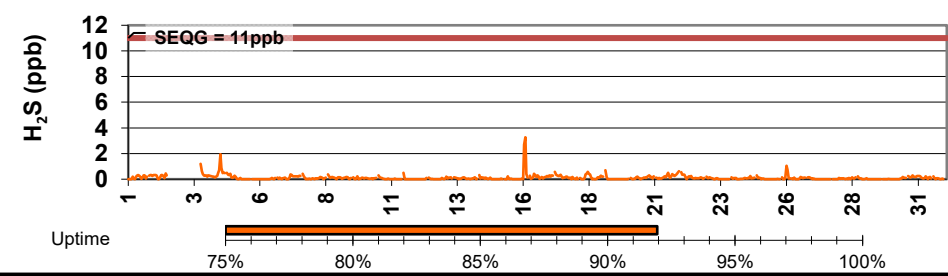
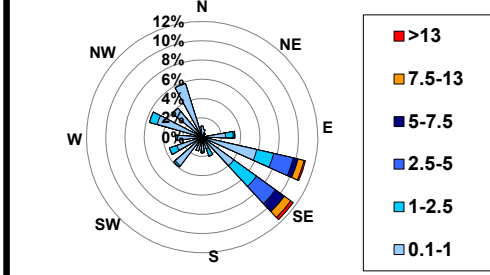
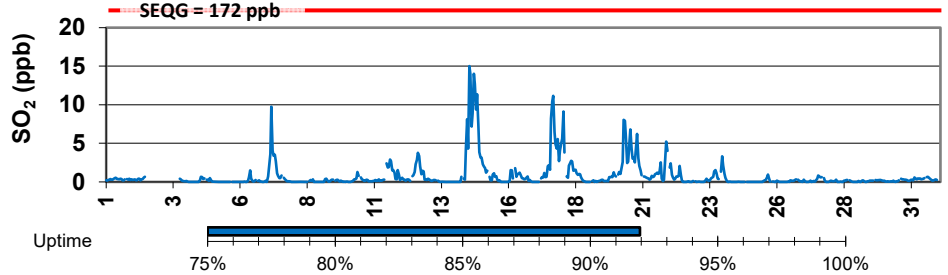
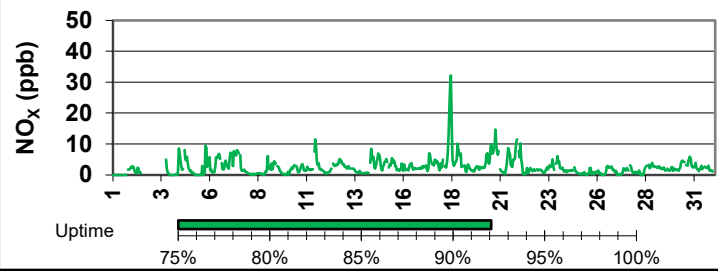
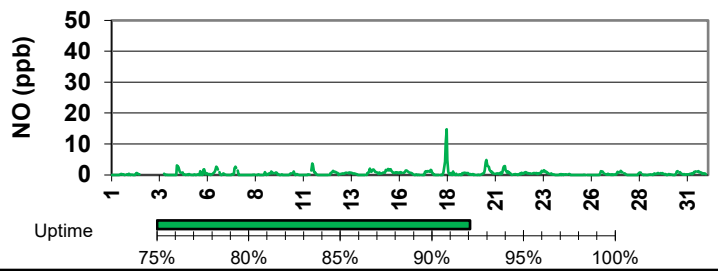
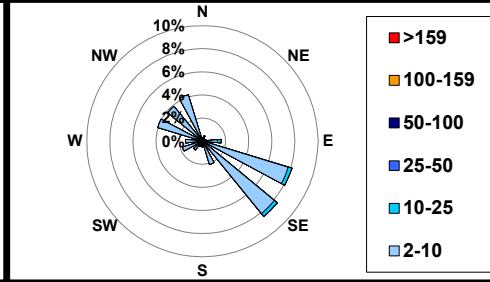
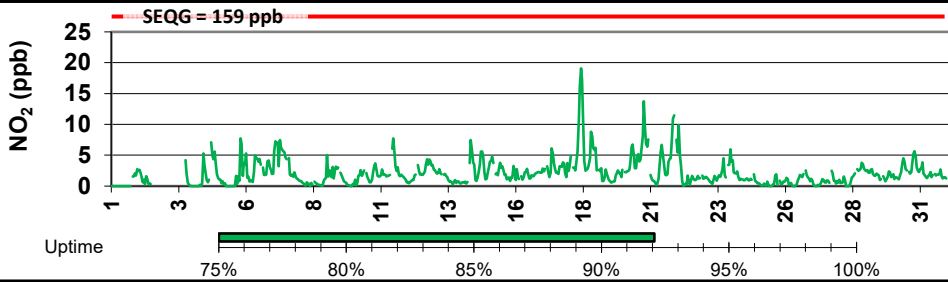
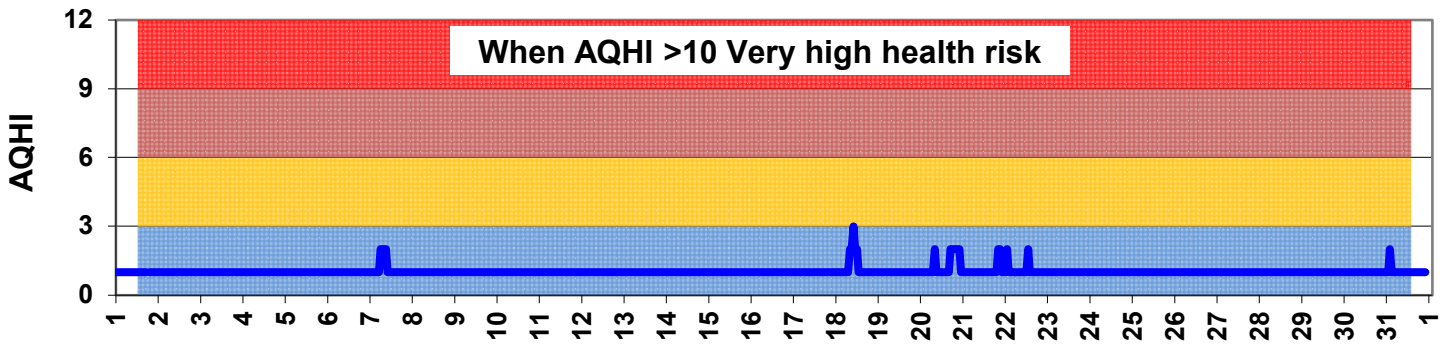
Update Summary:

Equipment was running above 90% uptime

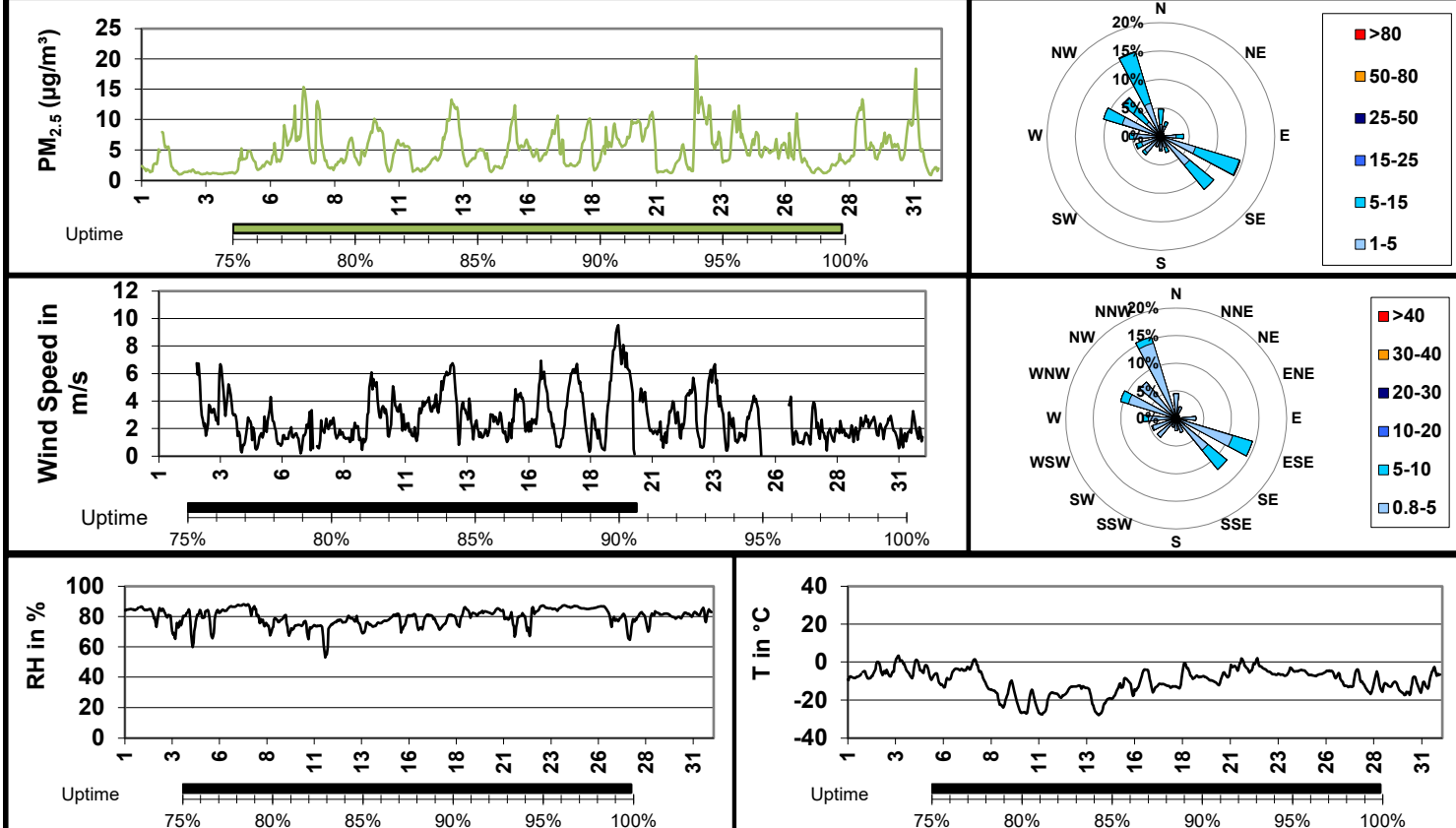
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - December 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)	0.4	92%	14.8	-	Dec-18 11:00	1.7	-	Dec-18	- / -
NO ₂ (ppb)	2.1	92%	19.1	159	Dec-18 10:00	6.4	106	Dec-18	0 / 0
NO _x (ppb)	2.6	92%	32.3	-	Dec-18 11:00	8.3	-	Dec-18	- / -
SO ₂ (ppb)	0.8	92%	15.0	172	Dec-14 13:00	5.2	48	Dec-14	0 / 0
H ₂ S (ppb)	0.1	92%	3.3	11	Dec-16 02:00	0.4	3.6	Dec-16	0 / 0
PM _{2.5} (µg/m ³)	4.9	100%	20.5	-	Dec-22 13:00	9.0	28	Dec-20	- / 0



SESAA - December 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-12-16 2:00	1.4	1.5	3.3	-	5.5	1.8	283.2	-15.0	80.7

Update Summary:

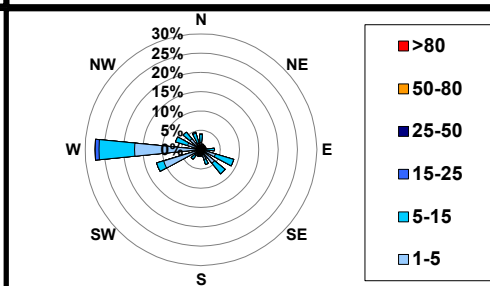
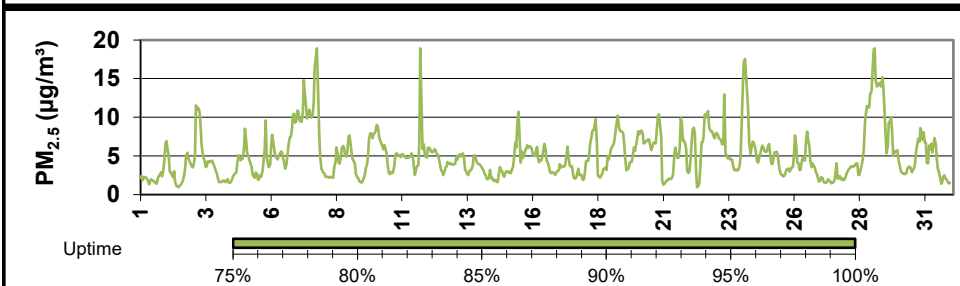
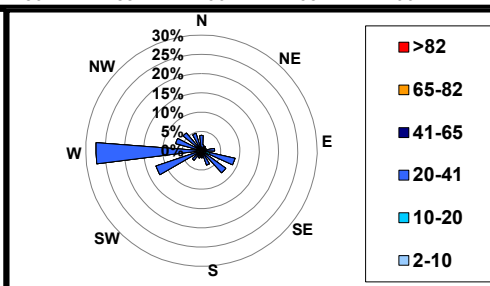
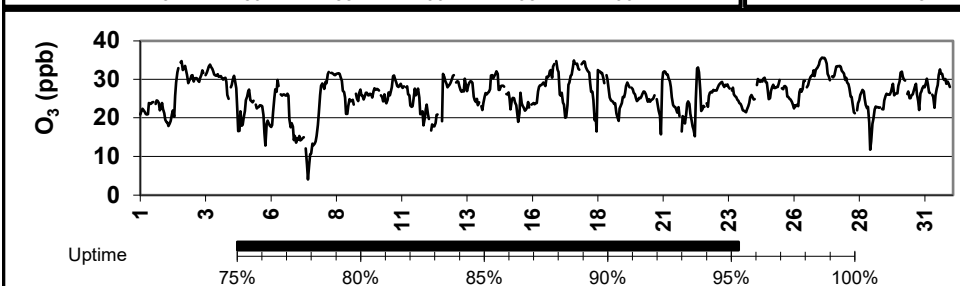
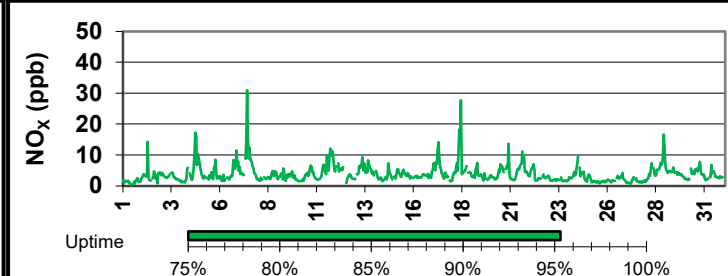
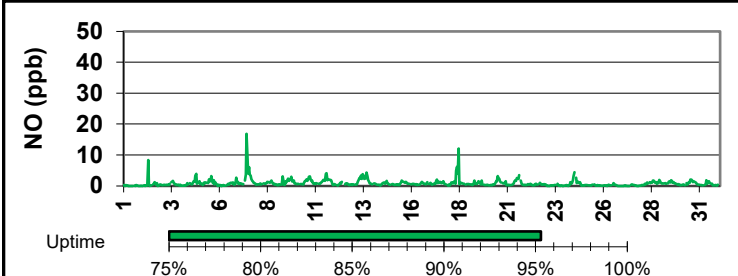
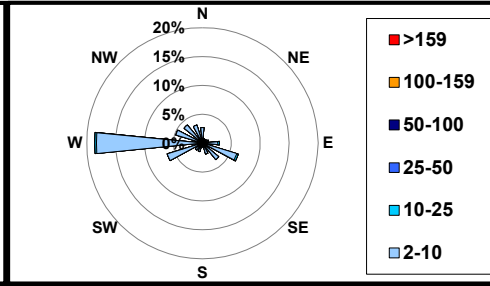
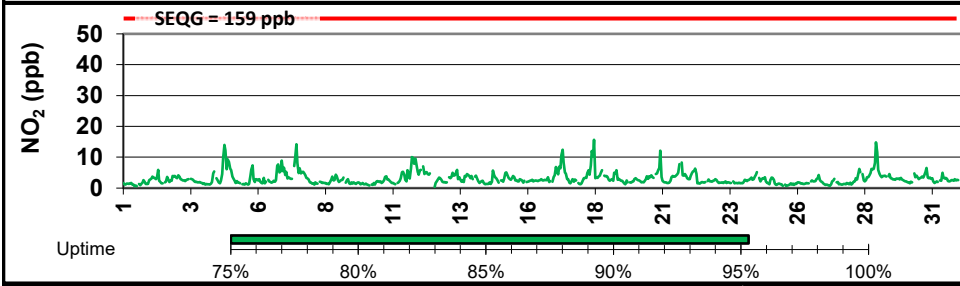
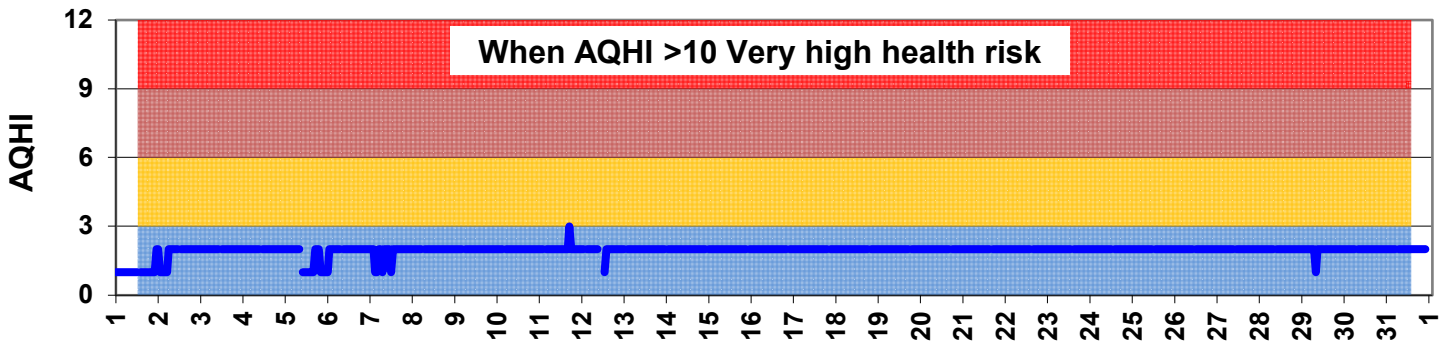
Due to freezing conditions and ice build up several hours of wind speed and direction readings were lost

Equipment was running above 90% uptime

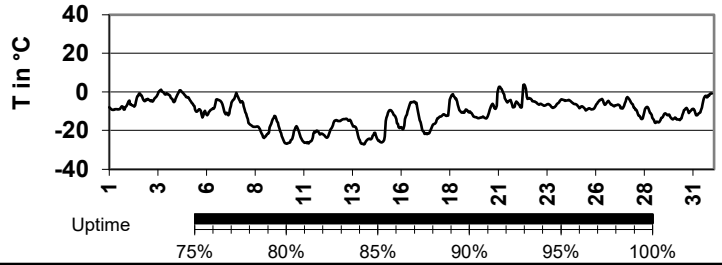
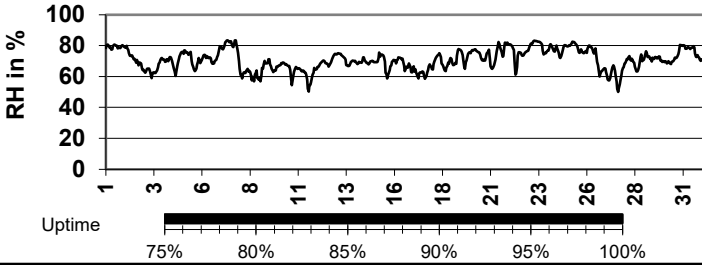
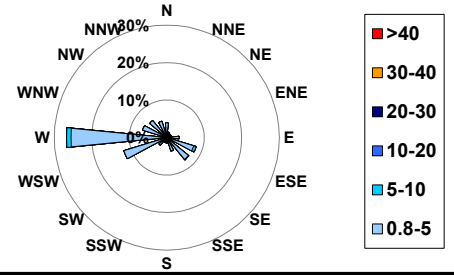
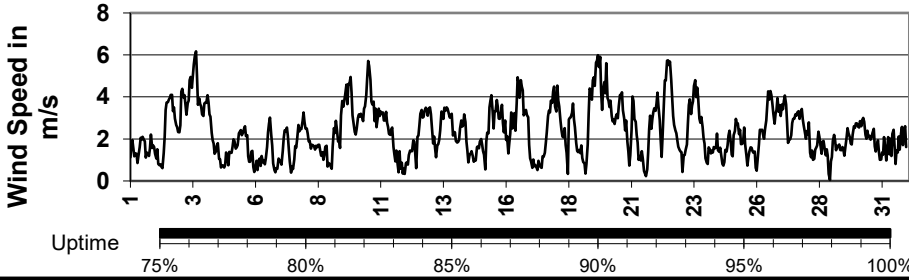
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - December 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)	0.8	95%	16.9	-	Dec-07 10:00	2.6	-	Dec-07	- / -
NO ₂ (ppb)	3.0	95%	15.7	159	Dec-18 11:00	4.9	106	Dec-18	0 / 0
NO _x (ppb)	3.8	95%	31.0	-	Dec-07 10:00	7.3	-	Dec-07	- / -
O ₃ (ppb)	26.1	95%	35.7	82	Dec-27 02:00	31.4	63	Dec-27	0 / 0
PM _{2.5} (µg/m ³)	5.1	100%	18.9	-	Dec-11 17:00	11.0	28	Dec-29	- / 0



SESAA - December 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-12-27 2:00	1.1	-	-	35.7	18.9	3.8	251.8	-6.8	58.1

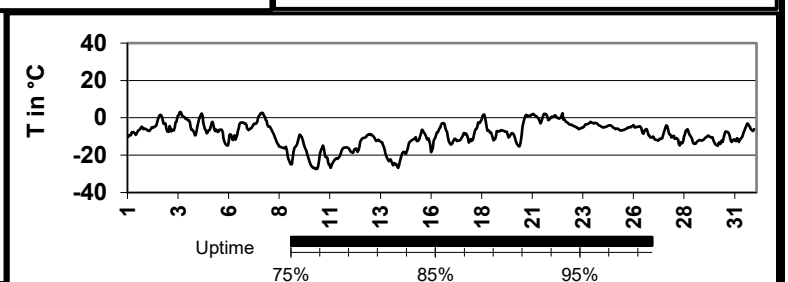
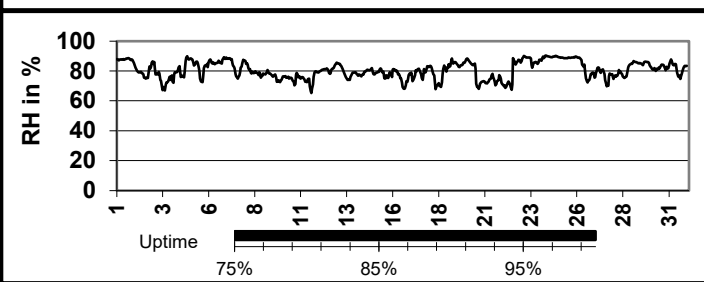
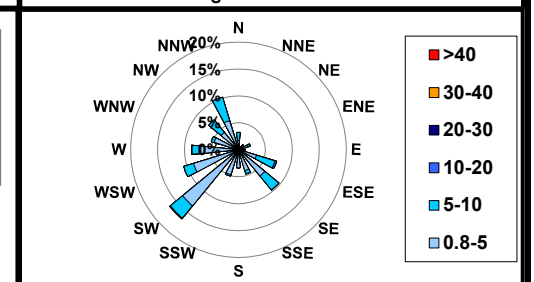
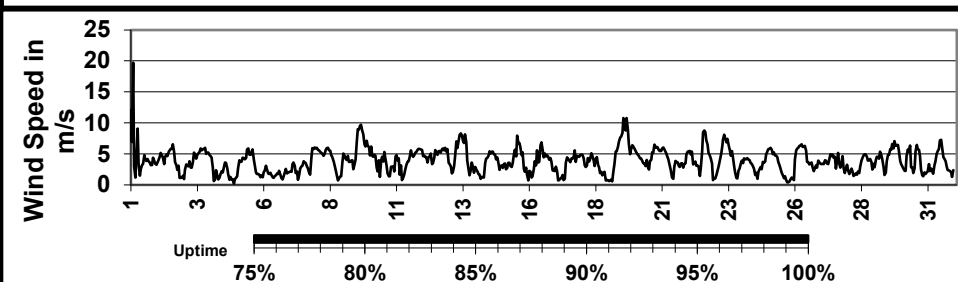
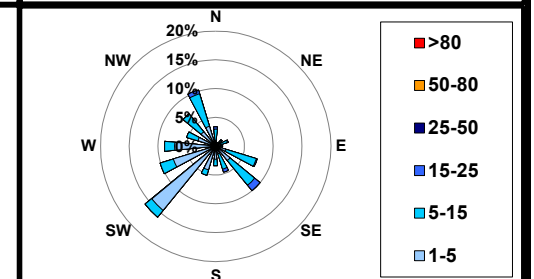
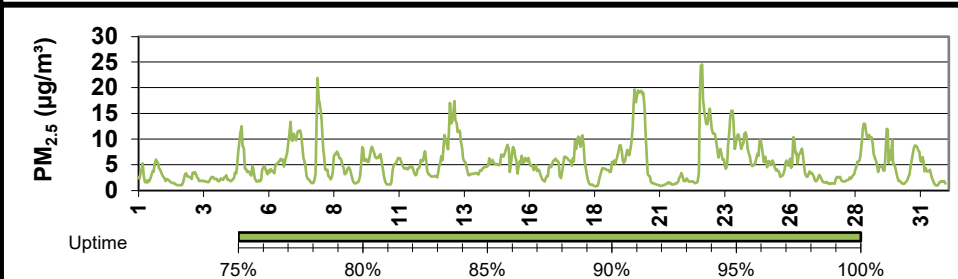
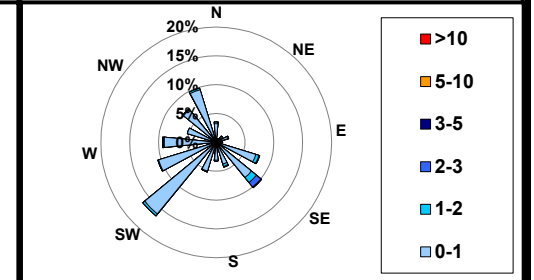
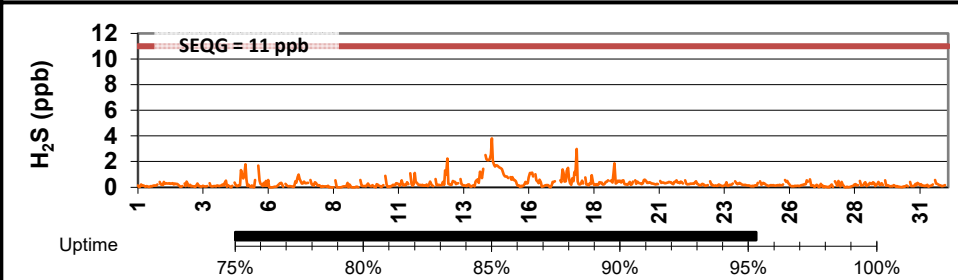
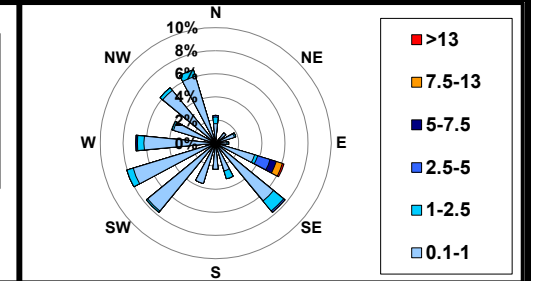
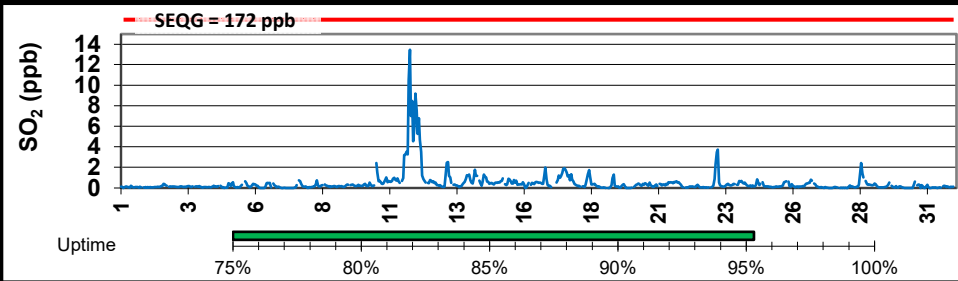
Update Summary:

Equipment was running above 90% uptime

Overall readings for the month resulted in a low Air Quality Health Index

SESAA - December 2019 Torquay Station Report

Parm	1-hour					8-hour / 24-hour			Exceed 1hr / 24hr
	Average	Uptime	Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	0.5	95%	13.4	172	Dec-11 18:00	3.4	48	Dec-11	0 / 0
H ₂ S (ppb)	0.3	95%	4.5	11	Dec-17 03:00	1.6	4	Dec-14	0 / 0
PM _{2.5} (µg/m ³)	5.2	100%	24.5	-	Dec-22 15:00	10.0	28	Dec-20	- / 0

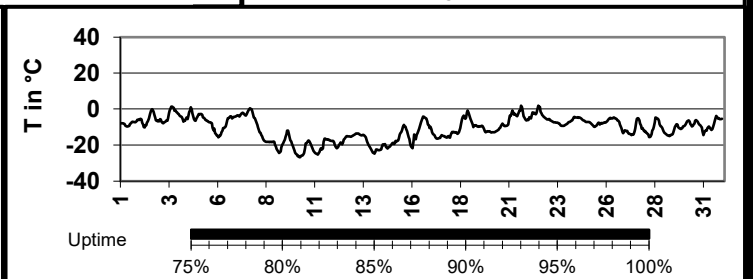
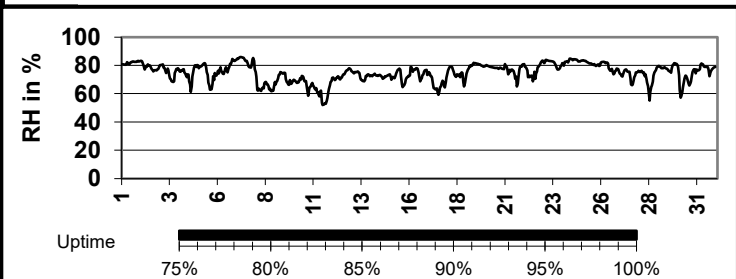
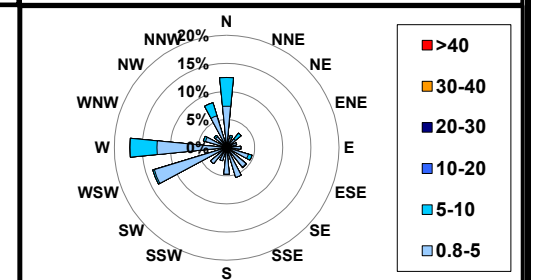
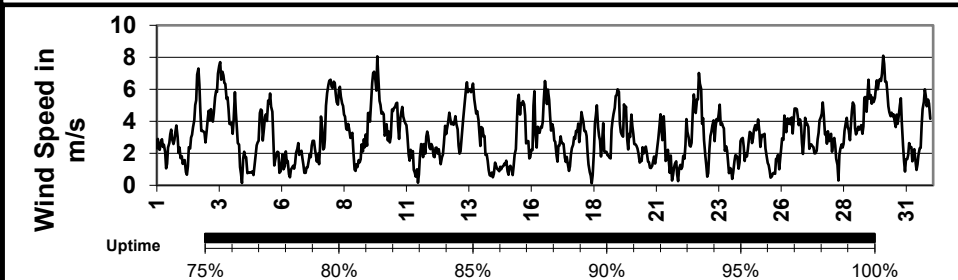
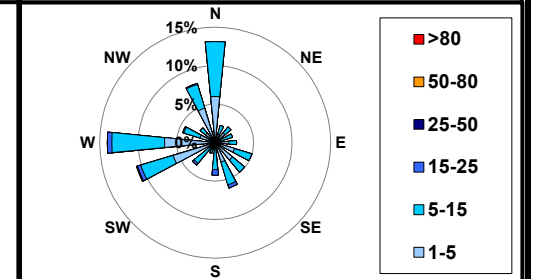
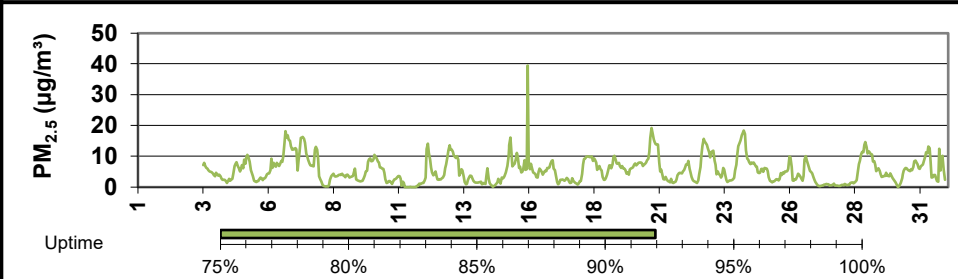
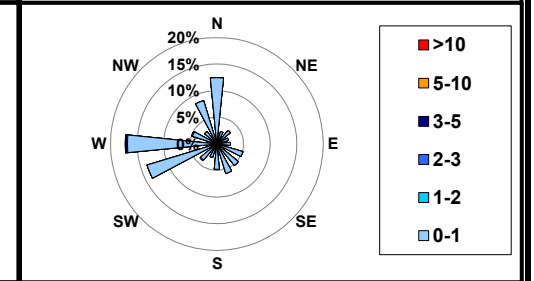
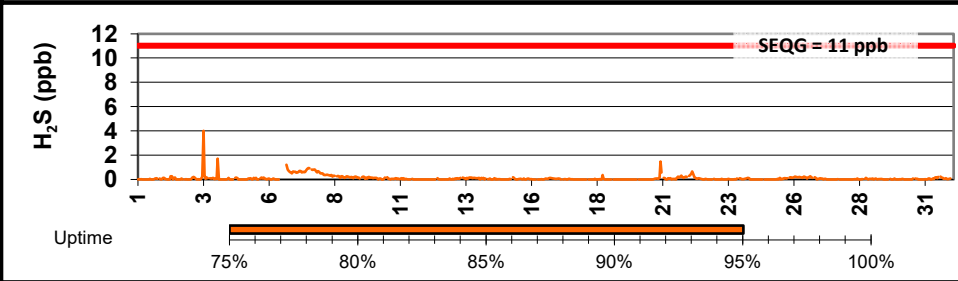
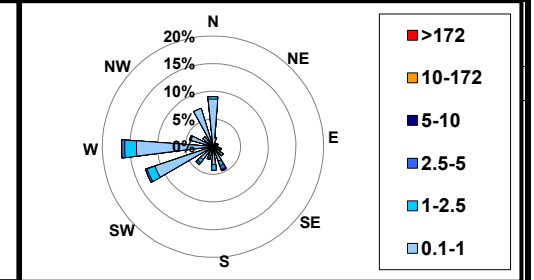
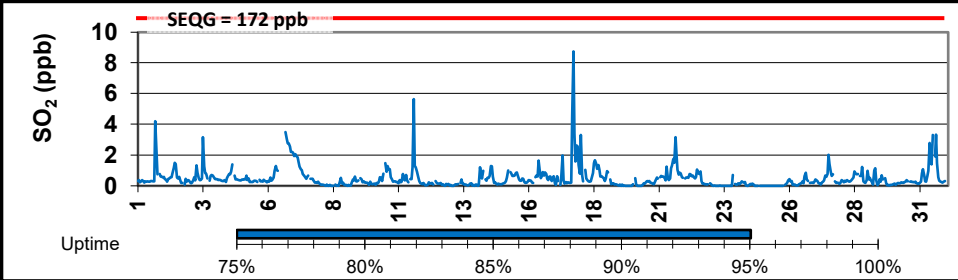


Update Summary:

Equipment was running above 90% uptime

SESAA - December 2019 Wauchope Station Report

Parm	1-hour					8-hour / 24-hour			Exceed 1hr / 24hr
	Average	Uptime	Max	Objective	Max Day and Time	Max	Objective	Max Day	
SO ₂ (ppb)	0.5	95%	8.7	172	Dec-17 17:00	1.3	48	Dec-06	0 / 0
H ₂ S (ppb)	0.1	95%	4.0	11	Dec-03 12:00	0.7	3.6	Dec-07	0 / 0
PM _{2.5} (µg/m ³)	5.4	92%	39.5	-	Dec-15 23:00	10.6	28	Dec-07	- / 0



Elevated Reading Summary

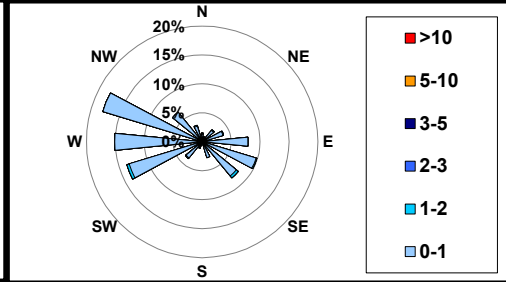
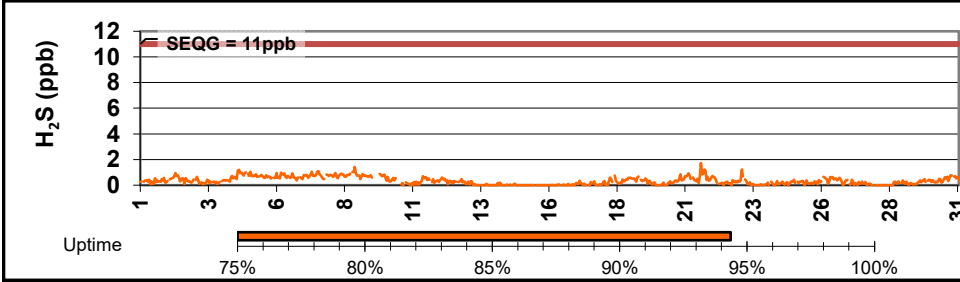
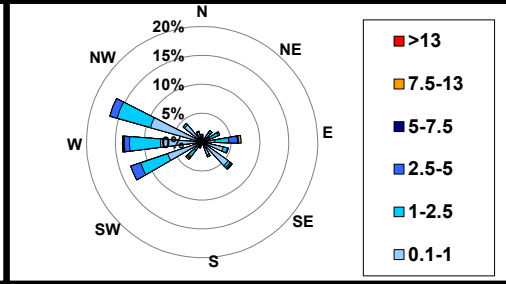
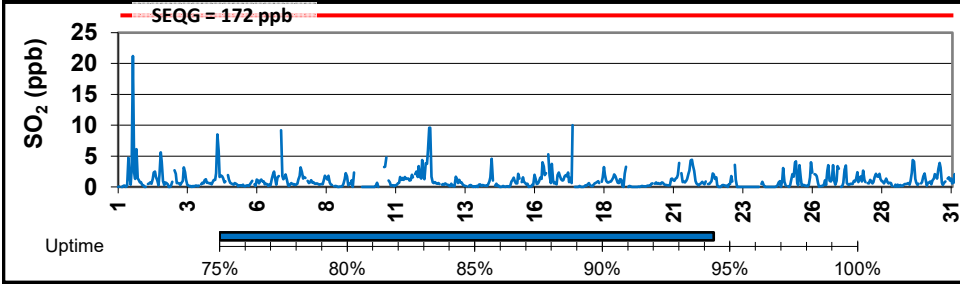
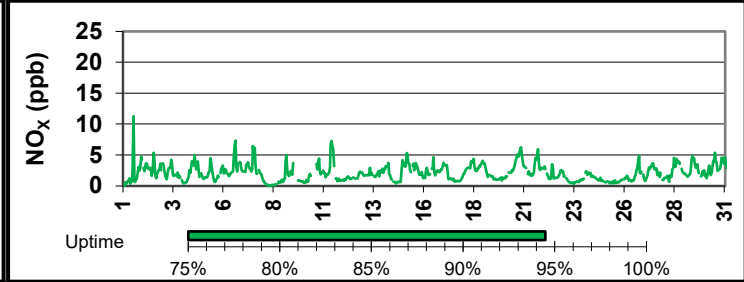
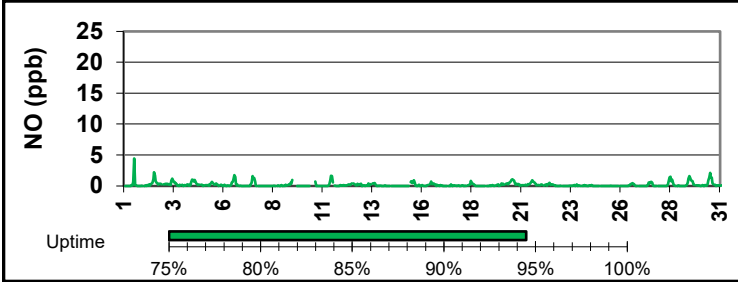
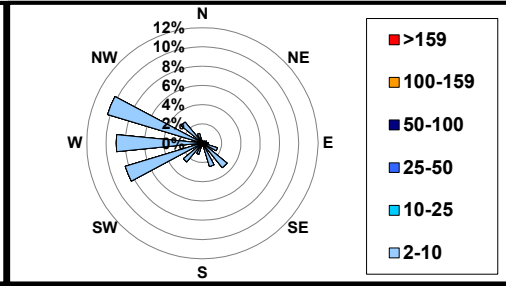
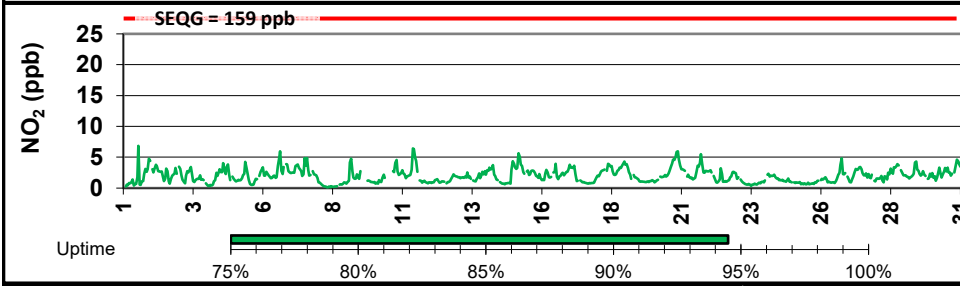
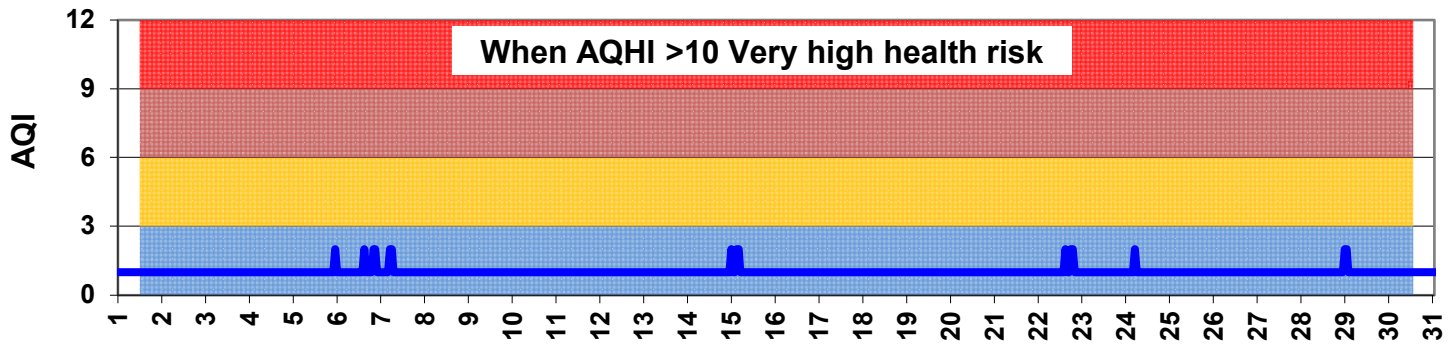
Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-12-03 12:00	-	3.2	4.0	-	7.1	7.5	268.4	-2.2	72.7

Update Summary:

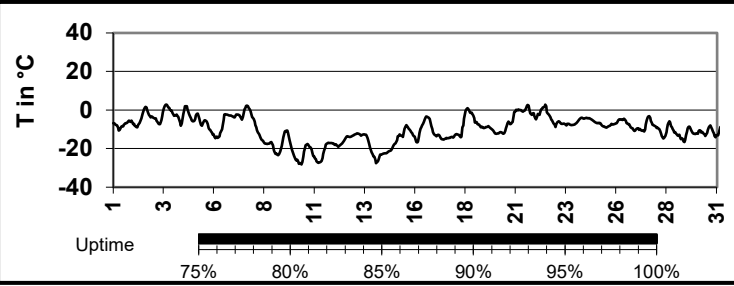
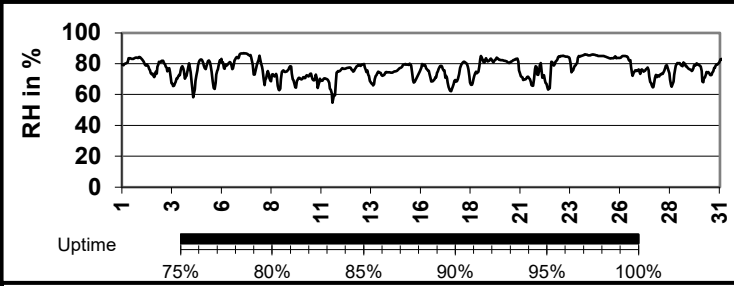
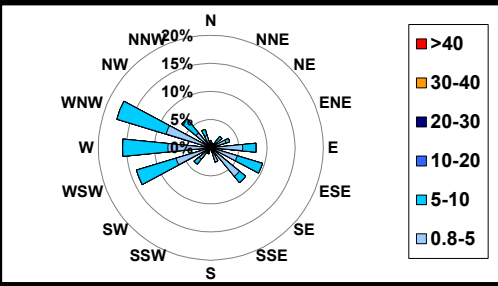
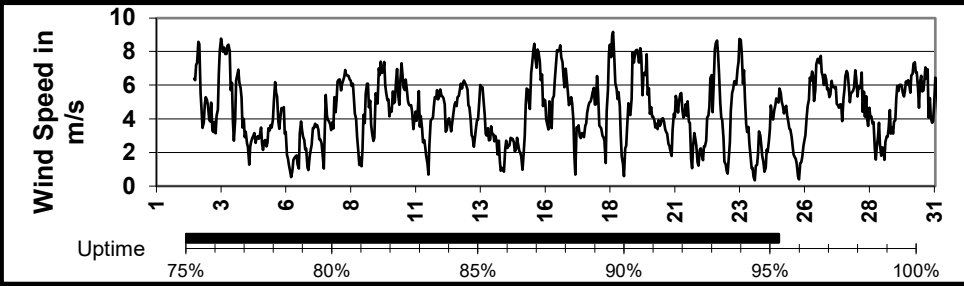
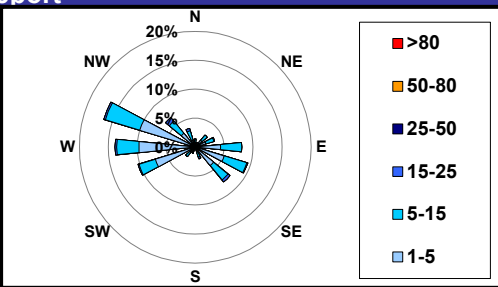
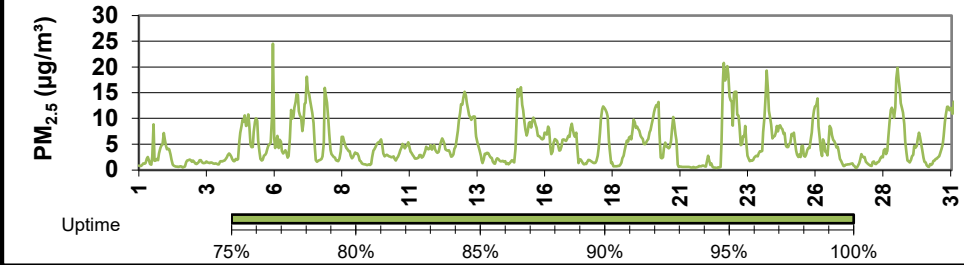
Equipment was running above 90% uptime

SESAA - December 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	94%	4.5	-	Dec-01 13:00	0.4	-	Dec-31	- / -
NO ₂ (ppb)	2.0	94%	6.8	159	Dec-01 13:00	2.8	106	Dec-18	0 / 0
NO _x (ppb)	2.1	94%	11.3	-	Dec-01 13:00	3.2	-	Dec-31	- / -
SO ₂ (ppb)	1.0	94%	21.2	172	Dec-01 13:00	1.9	-	Dec-01	0 / 0
H ₂ S (ppb)	0.3	94%	1.7	11	Dec-21 14:00	0.8	3.6	Dec-08	0 / 0
PM _{2.5} (µg/m ³)	5.0	100%	24.5	-	Dec-05 23:00	9.4	28	Dec-15	- / 0



SESAA - December 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
2019-12-21 14:00	3.6	2.7	1.7	-	0.5	3.8	258.3	2.2	66.2

Update Summary:

Equipment was running above 90% uptime

Due to freezing conditions and ice build up, several hours of wind speed and direction readings were lost

Overall readings for the month resulted in a low Air Quality Health Index