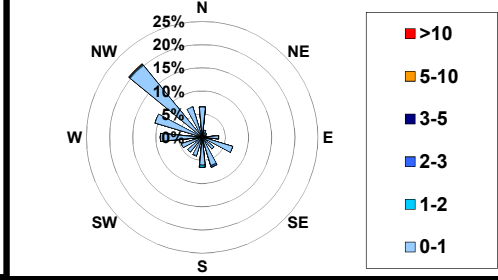
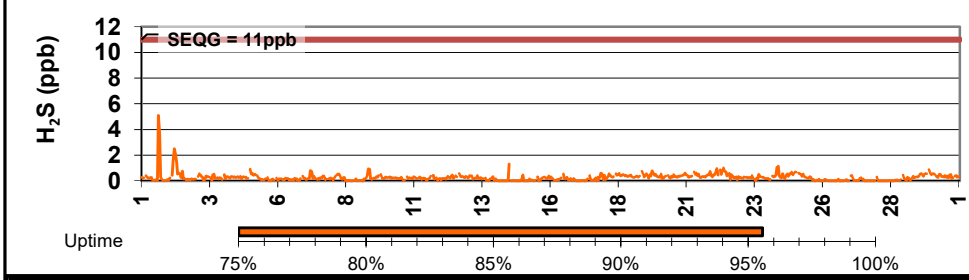
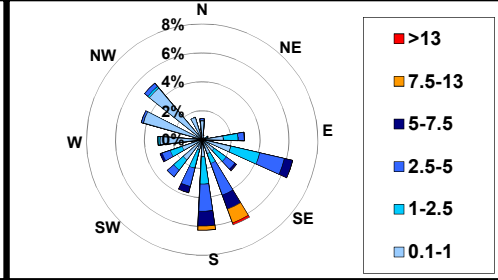
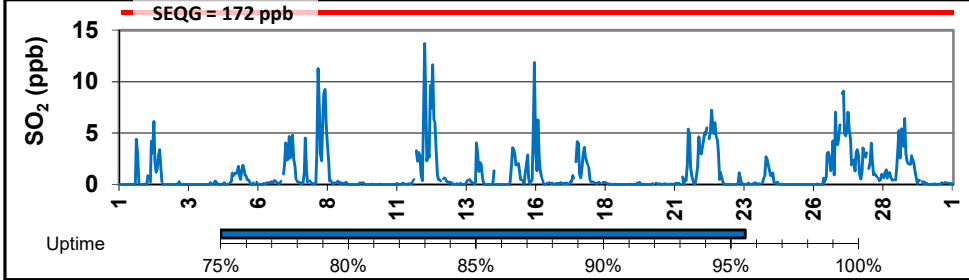
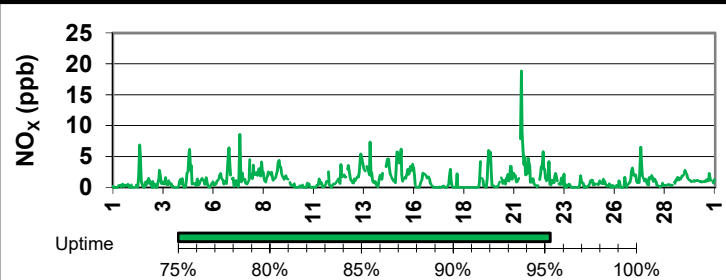
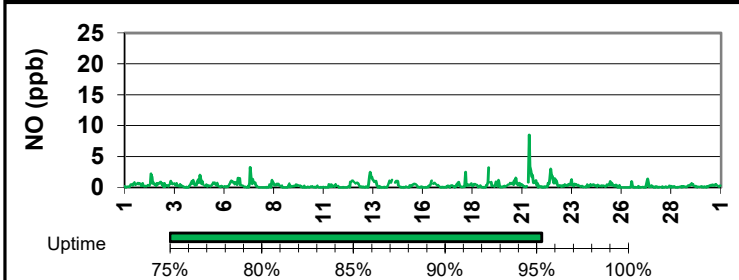
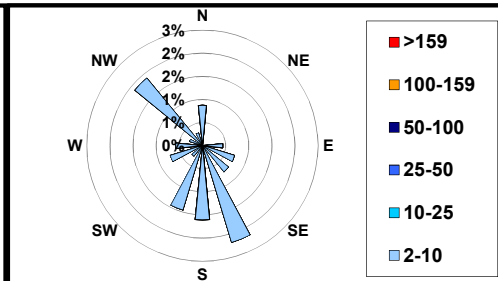
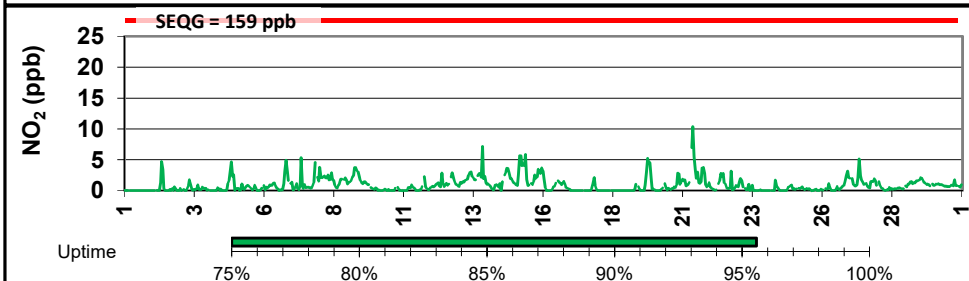
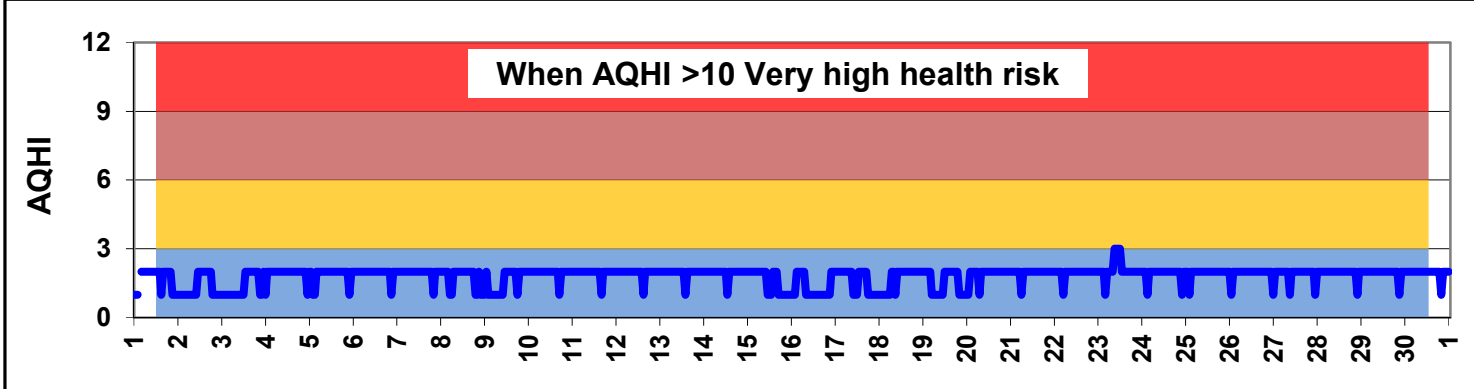
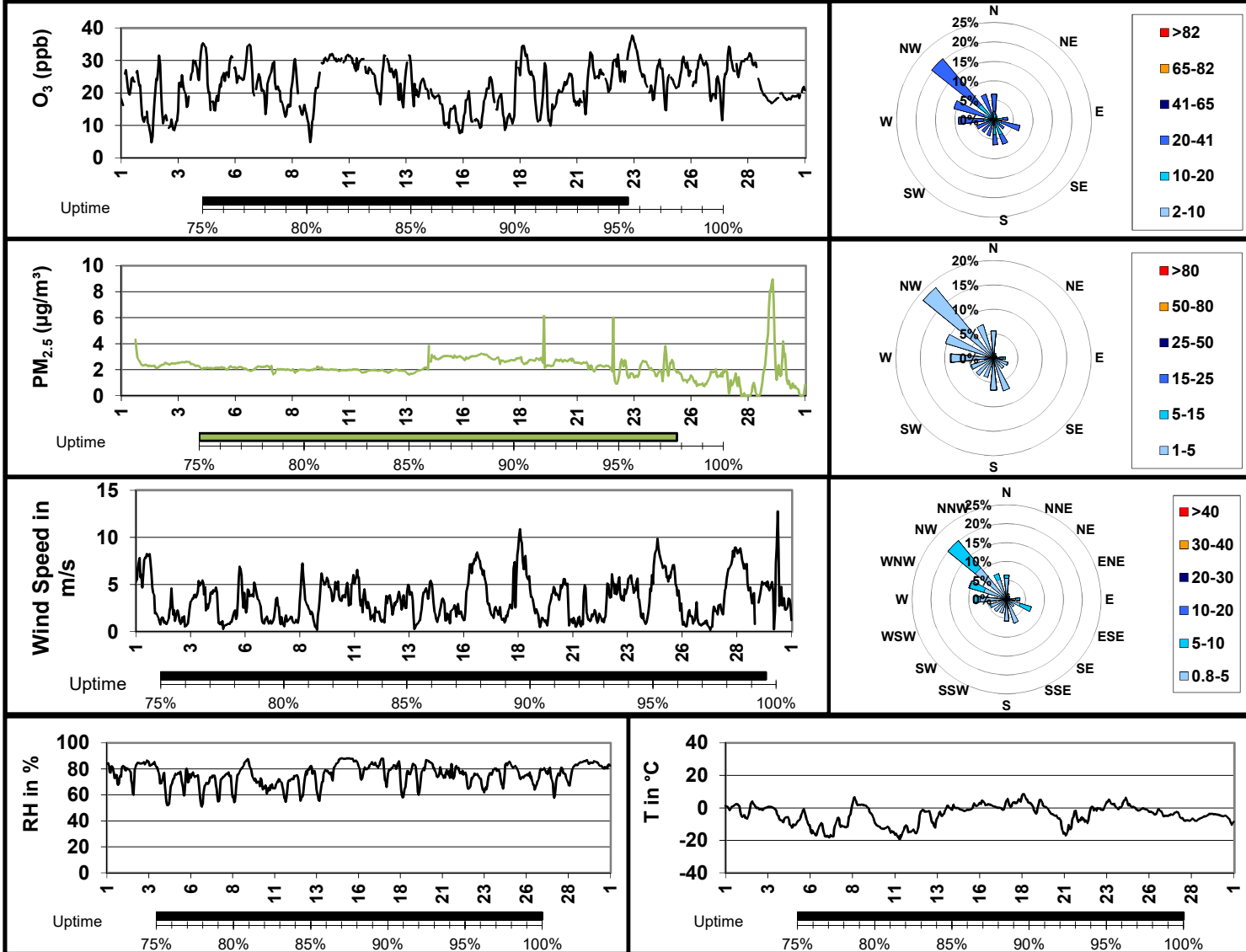


SESAA - November 2019 Weyburn Station Report

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%	8.5	-	Nov-21 09:00	1.1	-	Nov-21	- / -
NO ₂ (ppb)	0.9	96%	10.4	159	Nov-21 09:00	2.6	106	Nov-15	0 / 0
NO _x (ppb)	1.2	95%	18.9	-	Nov-21 09:00	3.5	-	Nov-21	- / -
SO ₂ (ppb)	1.0	96%	13.7	172	Nov-12 00:00	3.4	48	Nov-27	0 / 0
H ₂ S (ppb)	0.3	96%	5.1	11	Nov-01 15:00	0.5	3.6	Nov-02	0 / 0
O ₃ (ppb)	22.3	95%	37.7	82	Nov-23 10:00	29.4	63	Nov-10	0 / 0
PM _{2.5} (µg/m ³)	2.2	98%	9.0	-	Nov-29 14:00	3.5	28	Nov-29	- / 0



SESAA - November 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
11/1/2019 15:00	span	4.4	5.1	span	4.3	8.2	316.9	2.5	68.3

Update Summary:

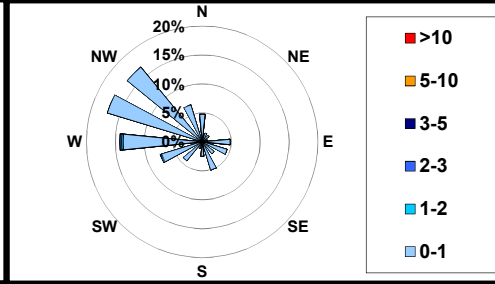
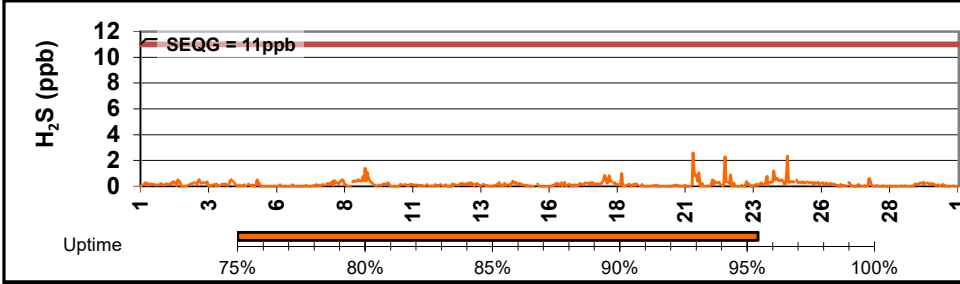
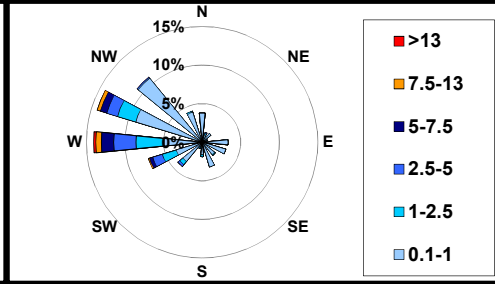
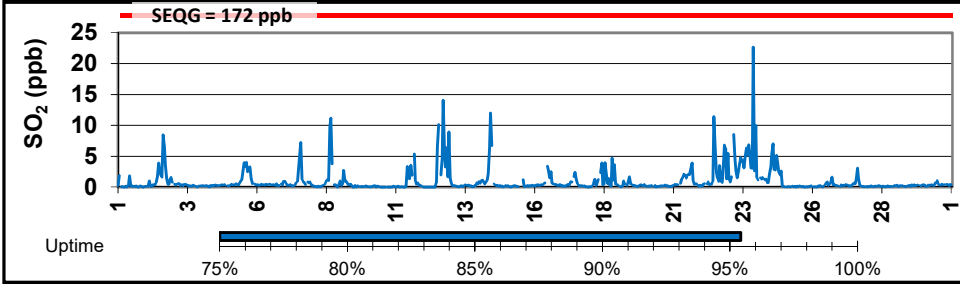
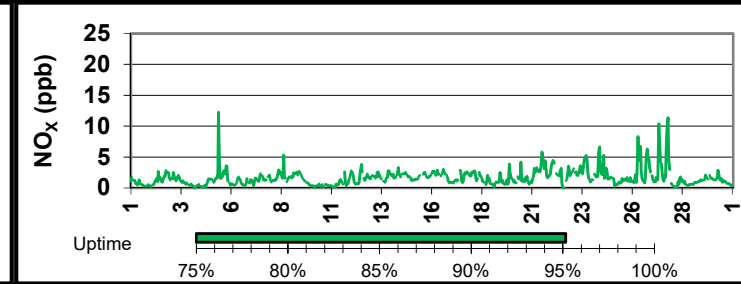
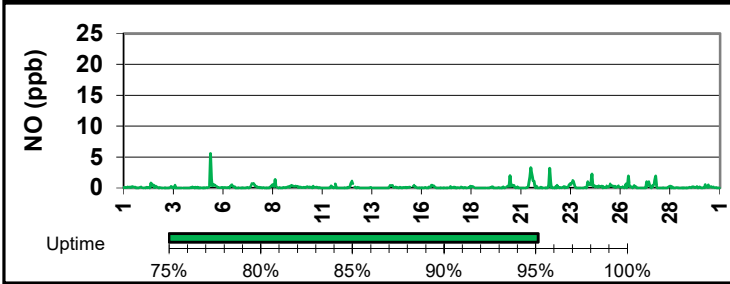
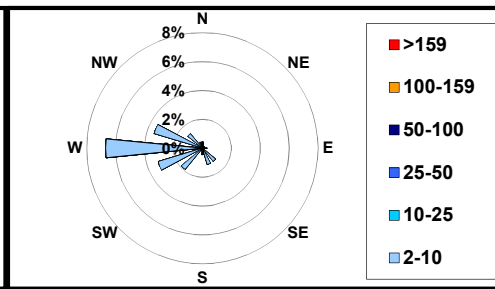
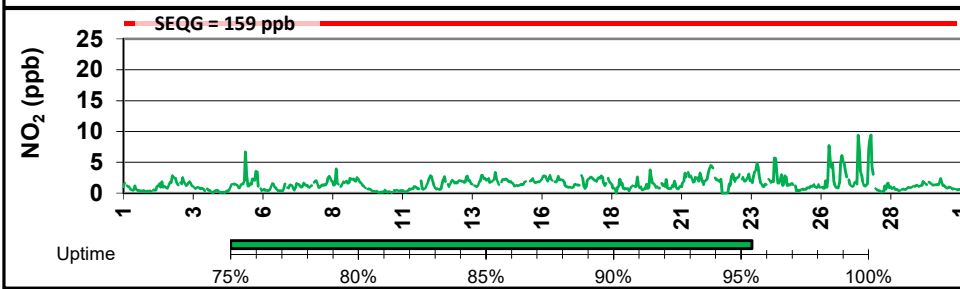
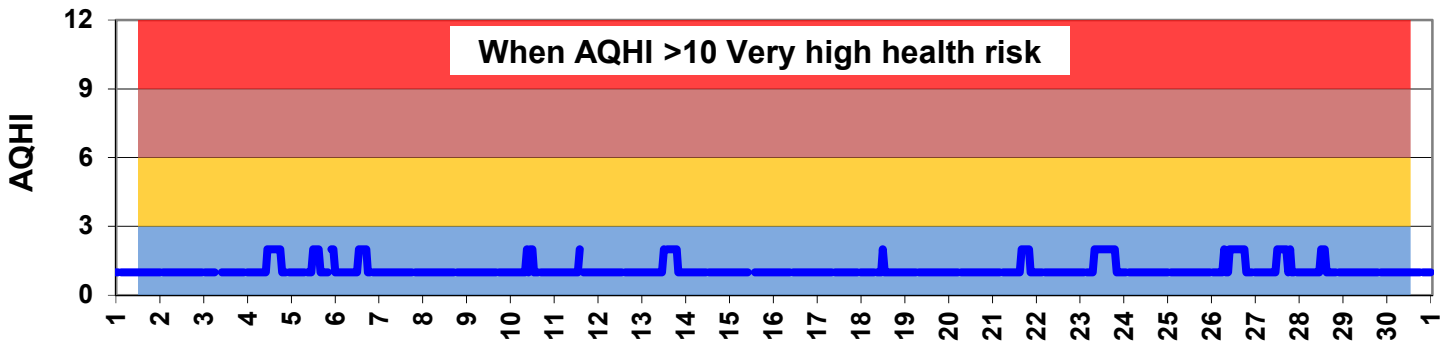
PM_{2.5} was put back into service in November

Equipment was running above 90% uptime

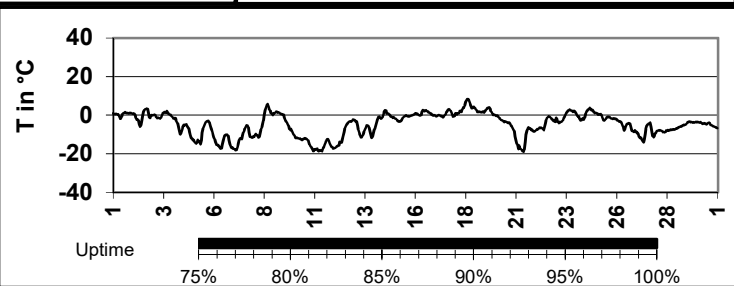
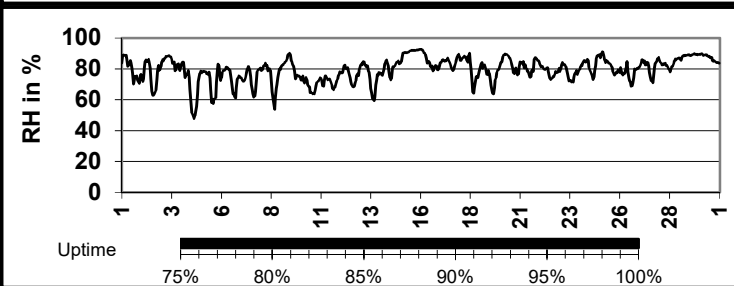
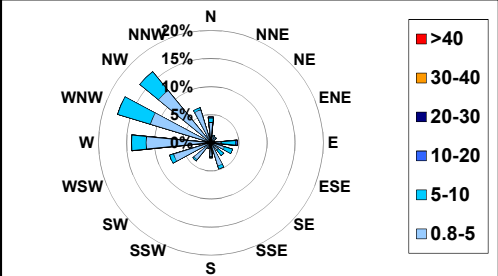
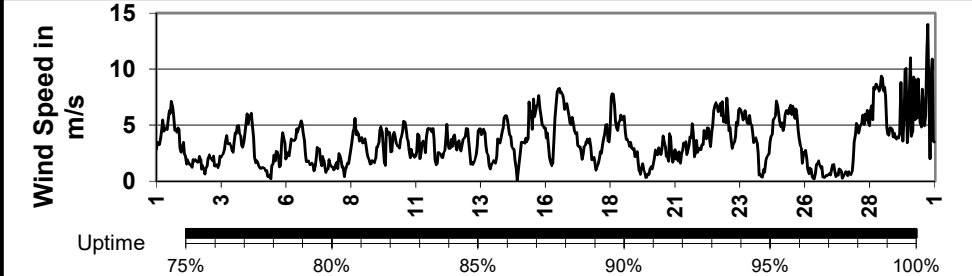
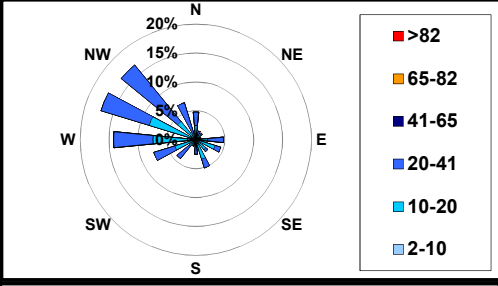
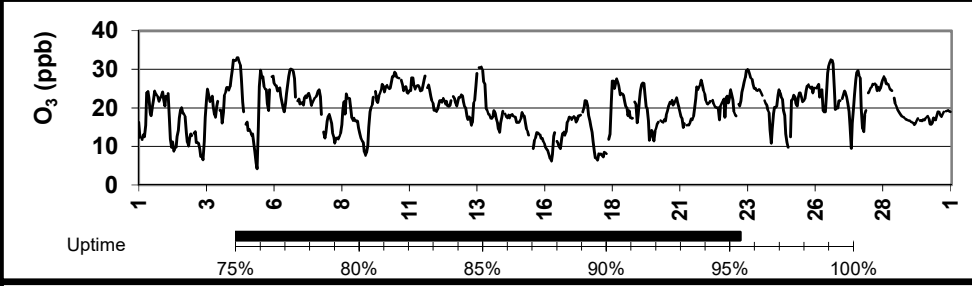
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - November 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)	-	95%	5.6	-	Nov-05 09:00	0.6	-	Nov-21	- / -
NO ₂ (ppb)	-	95%	9.4	159	Nov-27 19:00	3.1	106	Nov-27	0 / 0
NO _x (ppb)	-	95%	12.3	-	Nov-05 09:00	3.4	-	Nov-27	- / -
SO ₂ (ppb)	0.9	95%	22.7	172	Nov-23 21:00	4.7	48	Nov-23	0 / 0
H ₂ S (ppb)	0.1	95%	2.6	11	Nov-21 07:00	0.5	3.6	Nov-24	0 / 0
O ₃ (ppb)	20.0	95%	33.0	82	Nov-04 15:00	25.2	63	Nov-10	0 / 0



SESAA - November 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
11/21/2019 7:00	2.6	1.3	2.6	15.6	-	2.7	263.3	-18.1	80.6

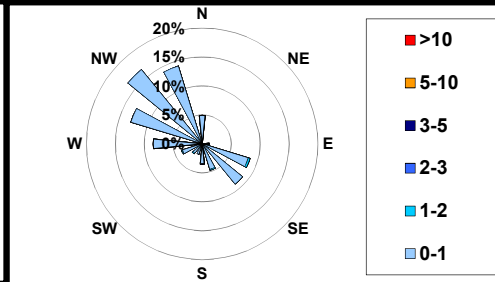
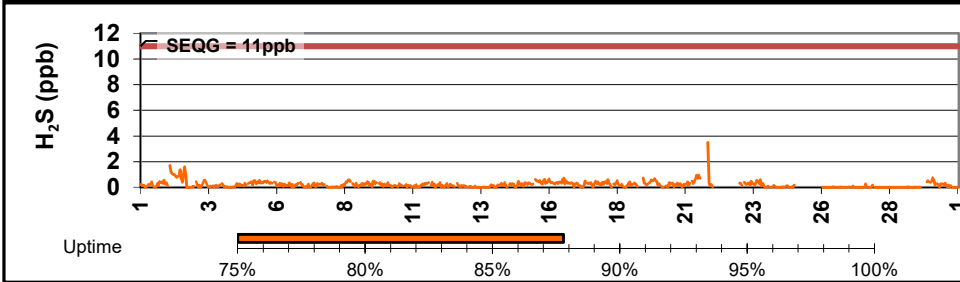
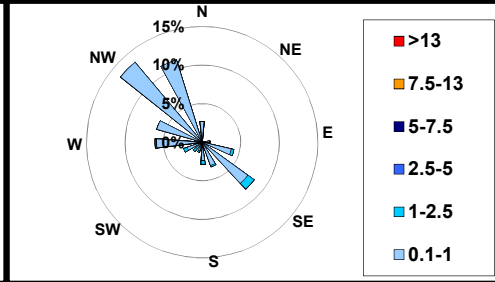
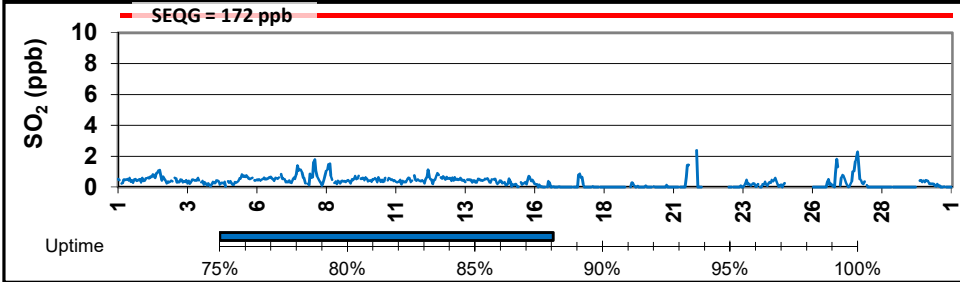
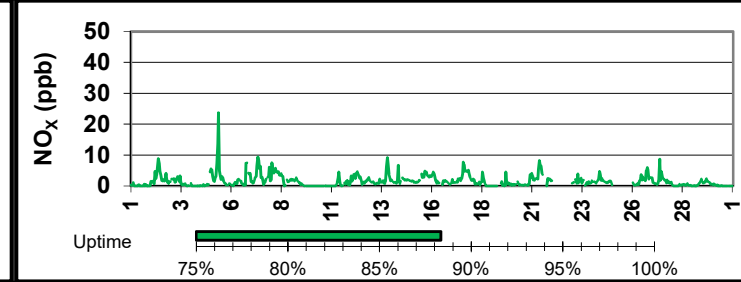
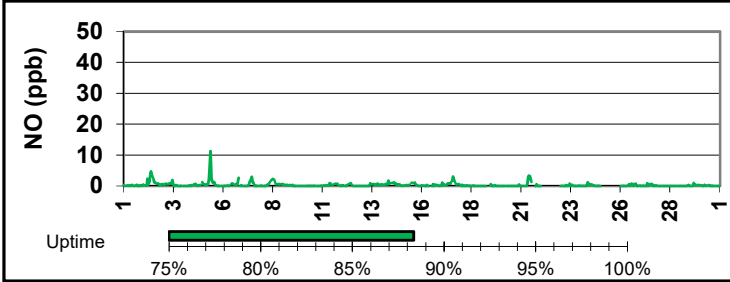
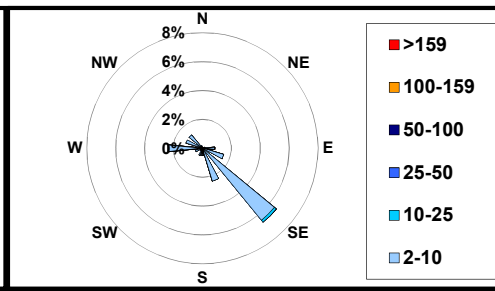
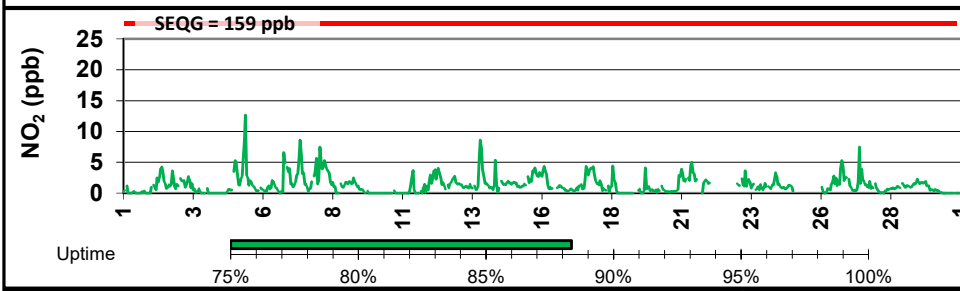
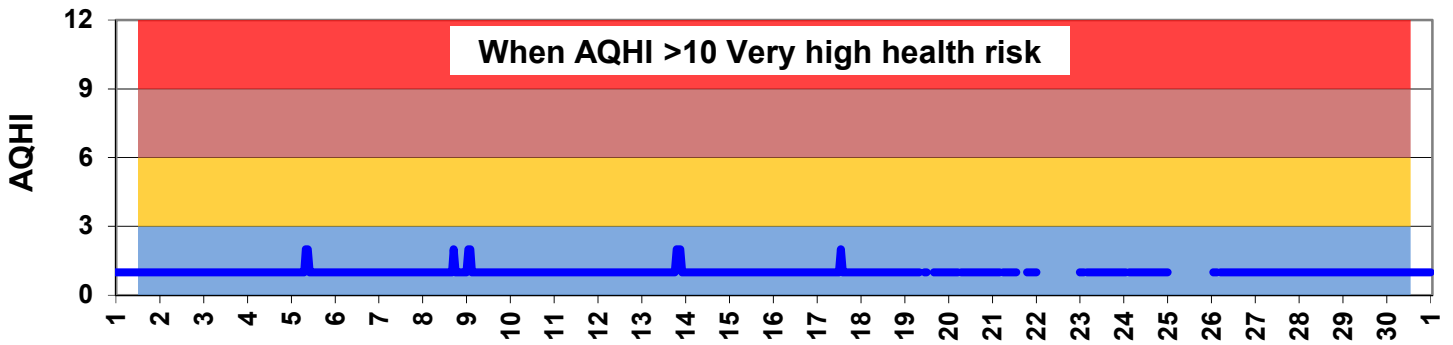
Update Summary:

Equipment was running above 90% uptime

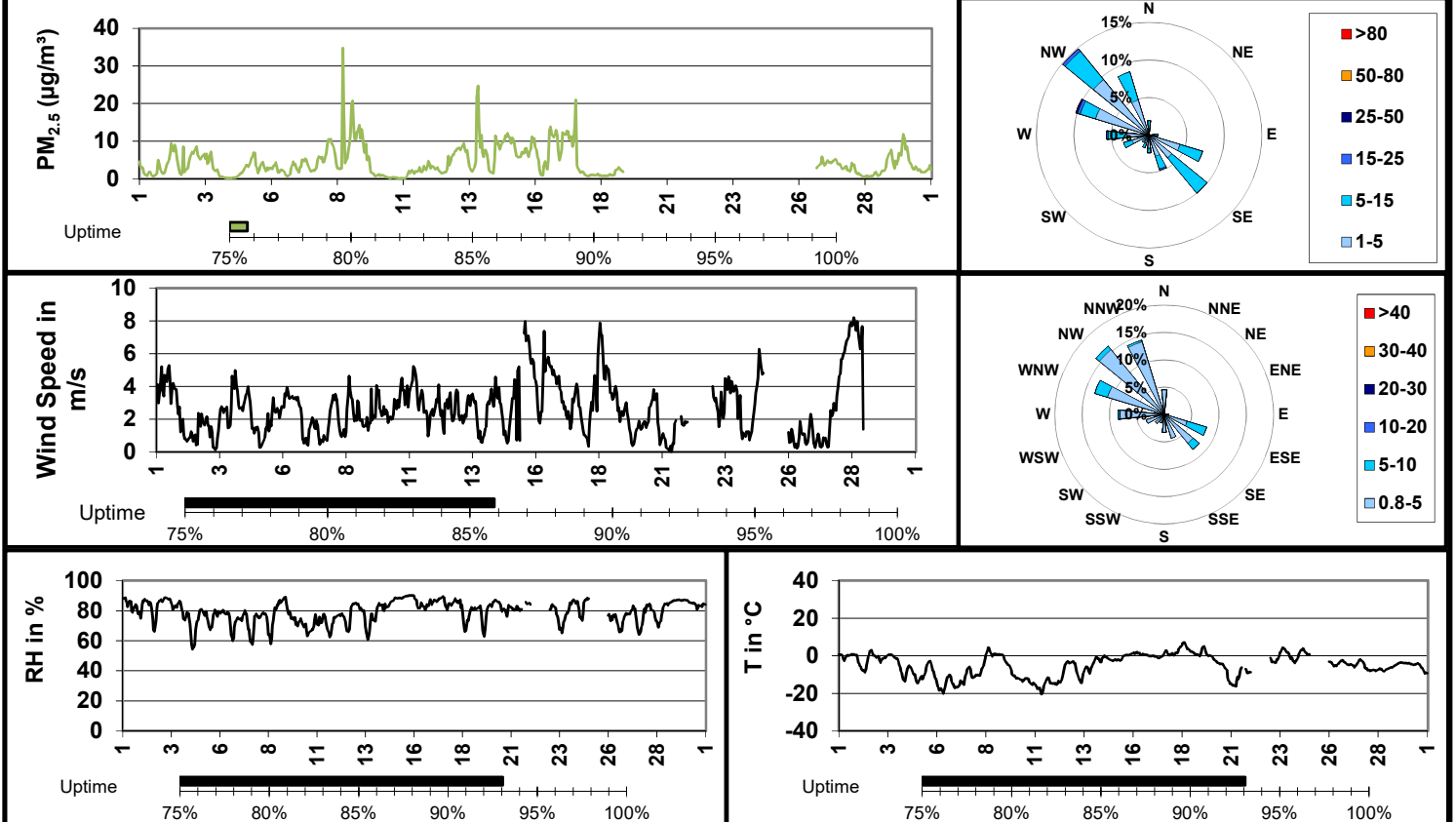
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - November 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	88%	11.3	-	Nov-05 09:00	1.3	-	Nov-05	- / -
NO ₂ (ppb)	1.4	88%	12.6	159	Nov-05 09:00	2.7	106	Nov-05	0 / 0
NO _x (ppb)	1.7	88%	23.7	-	Nov-05 09:00	3.7	-	Nov-05	- / -
SO ₂ (ppb)	0.3	88%	2.4	172	Nov-21 20:00	0.7	48	Nov-08	0 / 0
H ₂ S (ppb)	0.2	88%	3.5	11	Nov-21 20:00	0.6	3.6	Nov-02	0 / 0
PM _{2.5} (µg/m ³)	4.4	76%	34.8	-	Nov-08 17:00	8.8	28	Nov-09	- / 0



SESAA - November 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
11/21/2019 20:00	1.9	2.4	3.5	-	NA	1.6	169.1	-9.1	84.5

Update Summary:

PM_{2.5} was down due to flow issues, serviced and put back into service in November

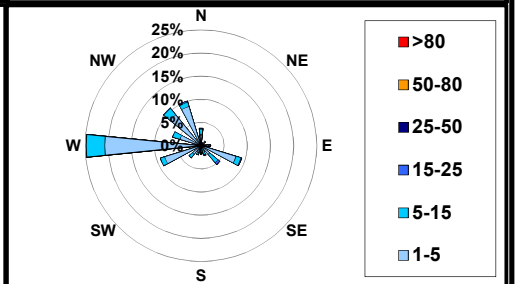
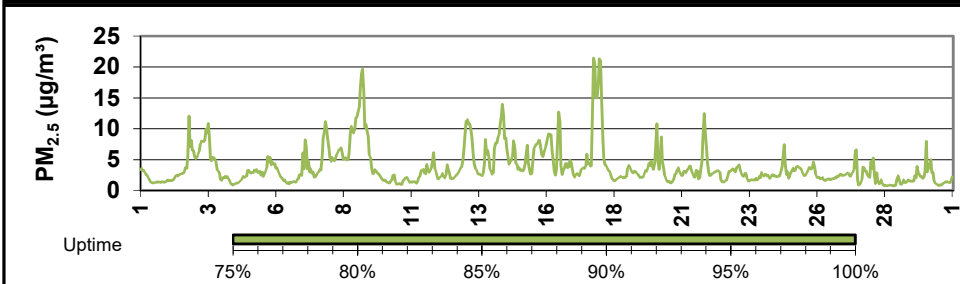
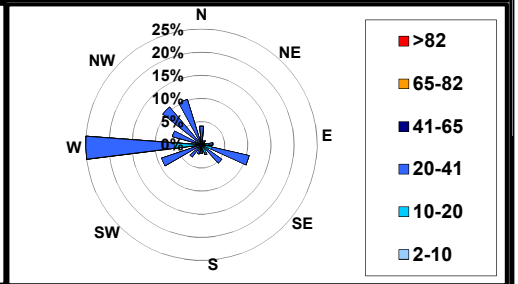
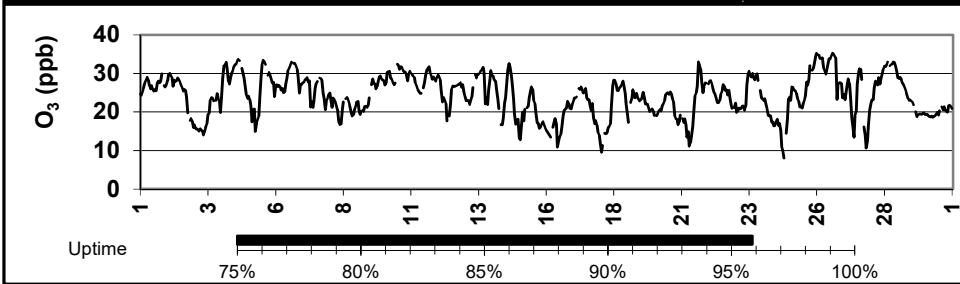
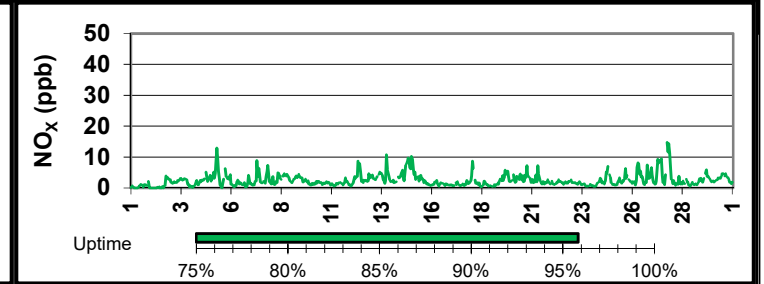
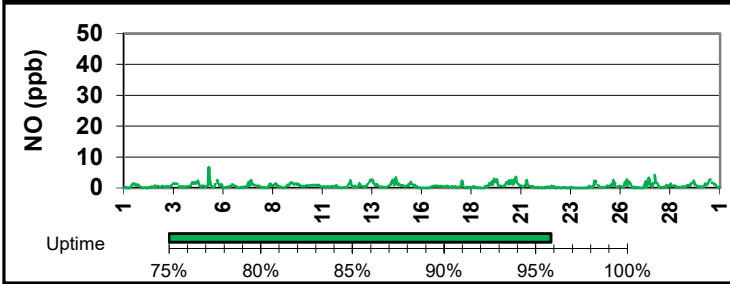
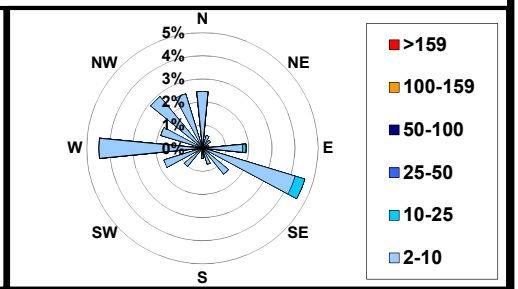
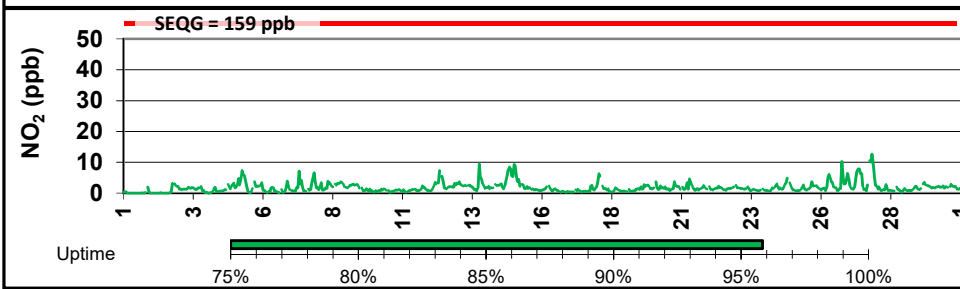
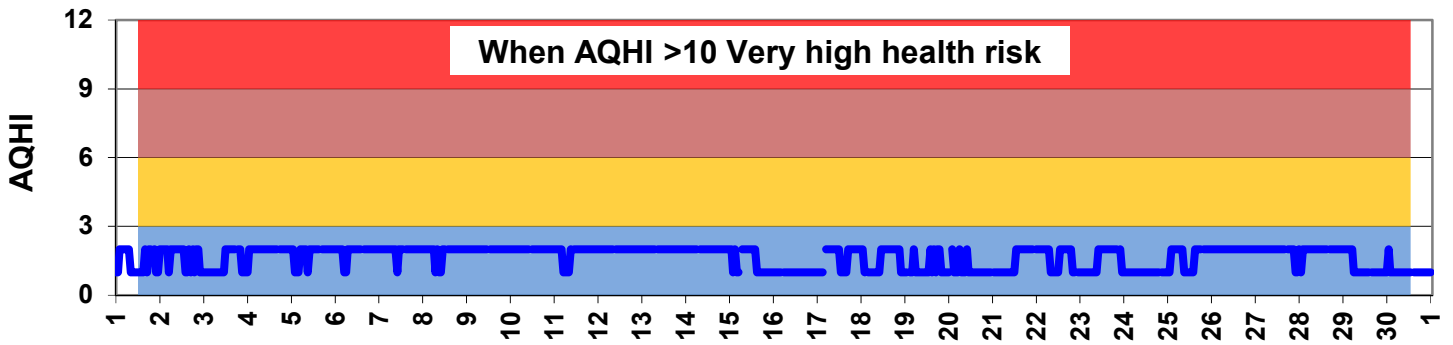
Due to freezing conditions and ice build up near end of month we lost several hours of wind speed and direction readings

Due to power fluctuations equipment was running above 85% uptime

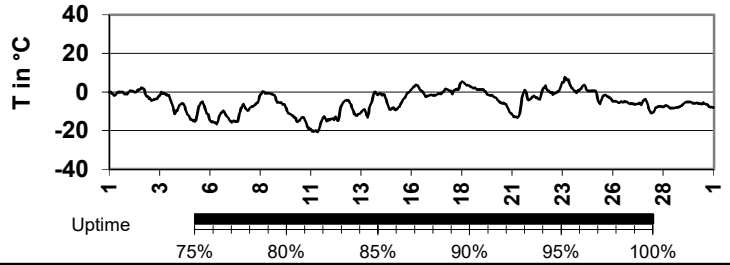
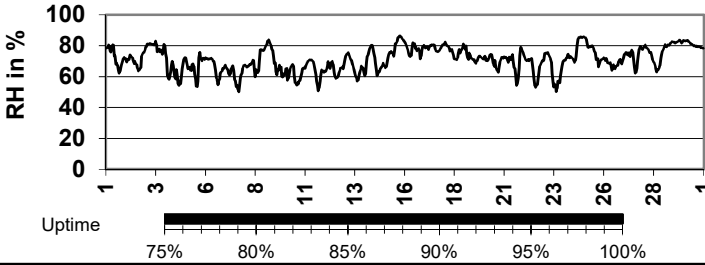
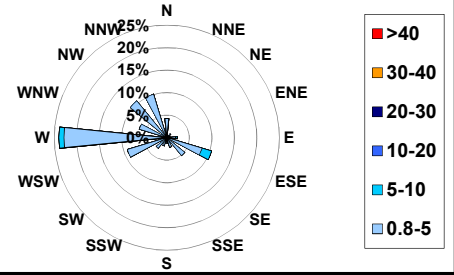
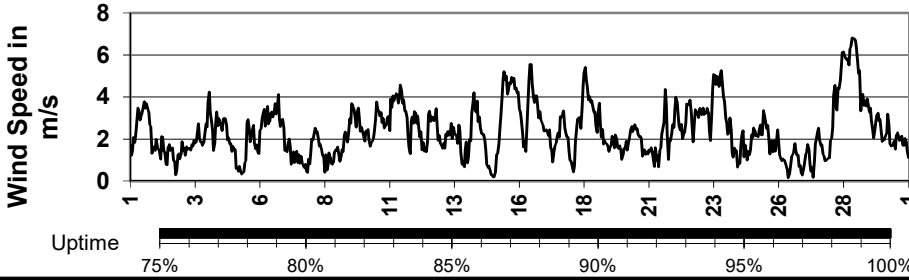
Overall readings for the month resulted in a low Air Quality Health Index

SESAA - November 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)	0.7	96%	6.7	-	Nov-05 07:00	1.4	-	Nov-20	- / -
NO ₂ (ppb)	1.8	96%	12.6	159	Nov-27 20:00	4.7	106	Nov-27	0 / 0
NO _x (ppb)	2.5	96%	14.8	-	Nov-27 18:00	5.8	-	Nov-27	- / -
O ₃ (ppb)	24.2	96%	35.3	82	Nov-26 14:00	31.6	63	Nov-26	0 / 0
PM _{2.5} (µg/m ³)	-	100%	21.4	-	Nov-17 18:00	7.9	28	Nov-09	- / 0



SESAA - November 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
11/26/2019 14:00	0.9	-	-	35.3	21.4	1.4	105.5	-4.9	65.1

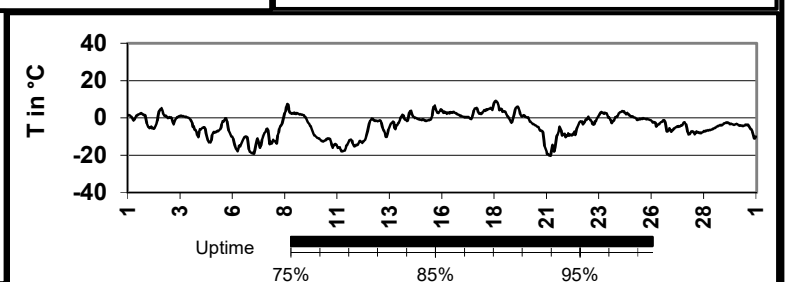
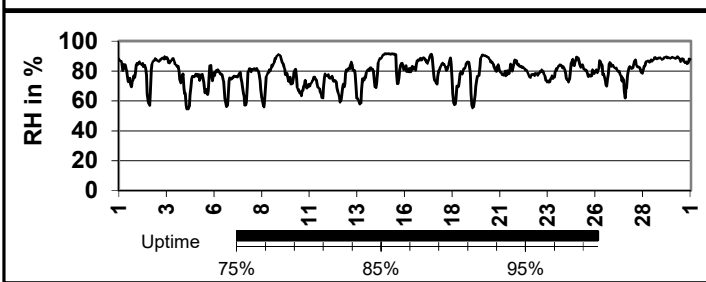
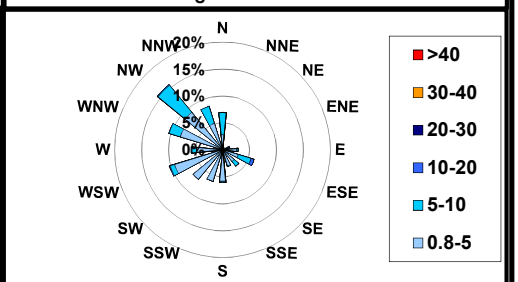
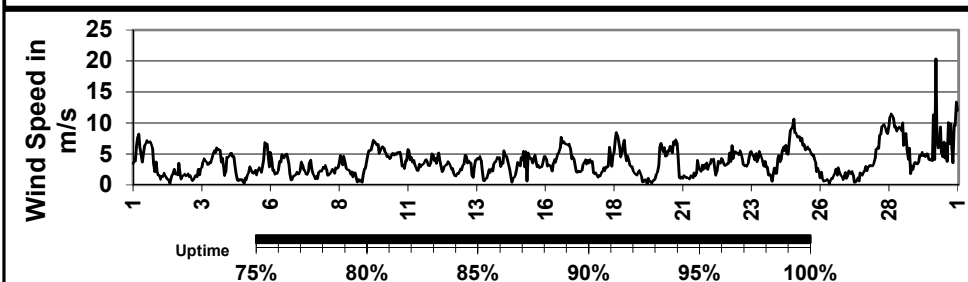
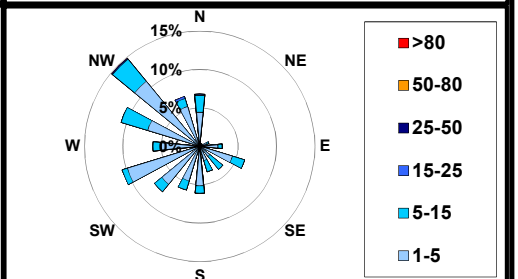
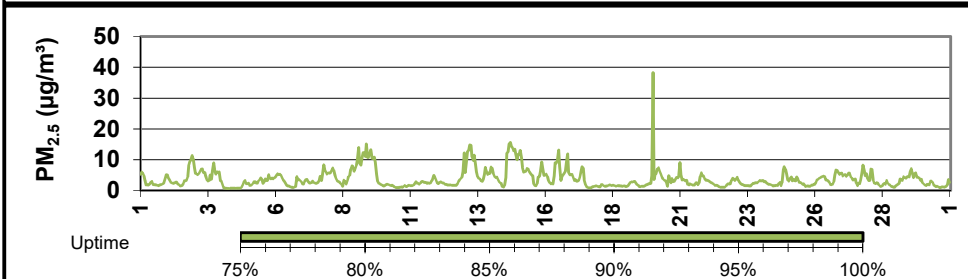
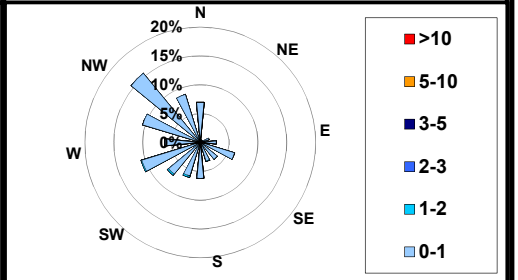
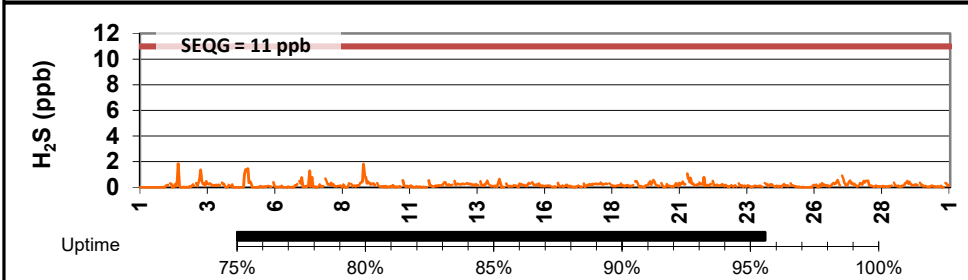
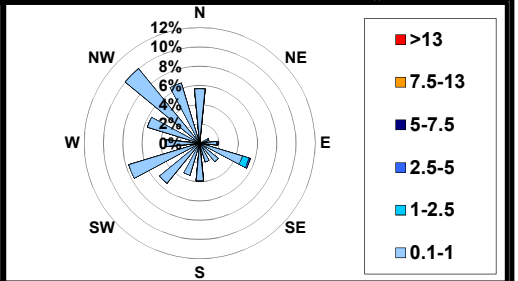
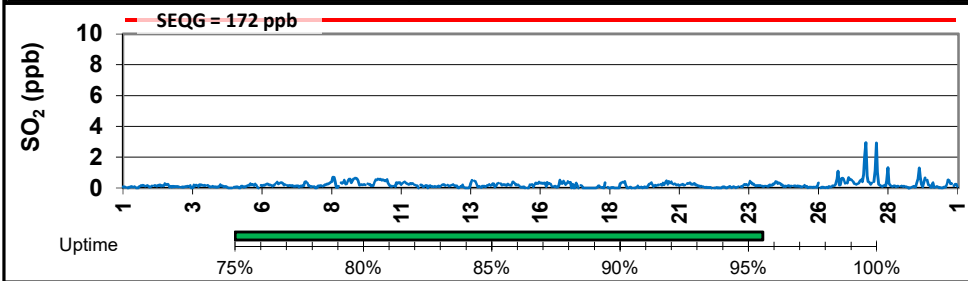
Update Summary:

Equipment was running above 90% uptime

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

SESAA - November 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)	0.2	96%	3.0	172	Nov-27 17:00	0.6	48	Nov-27	0 / 0
H ₂ S (ppb)	0.2	96%	1.9	11	Nov-02 10:00	0.3	4	Nov-09	0 / 0
PM _{2.5} (µg/m ³)	3.8	100%	38.3	-	Nov-20 00:00	8.9	28	Nov-09	- / 0

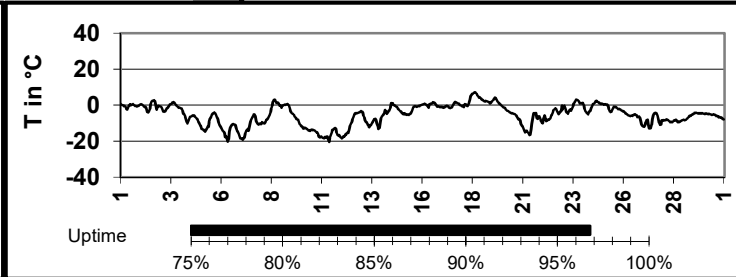
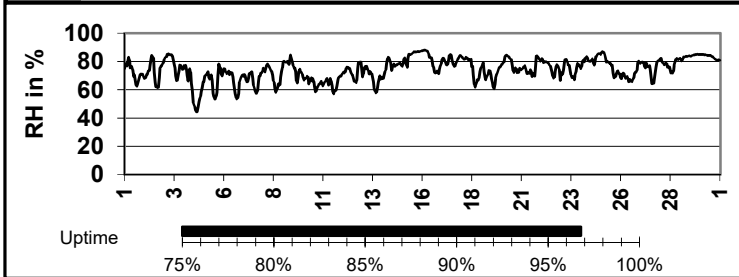
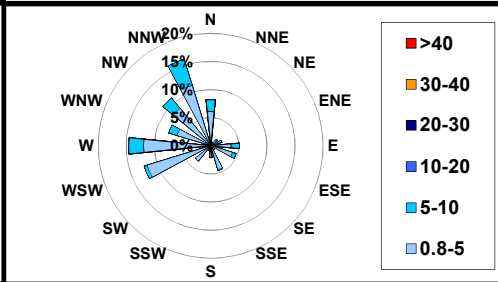
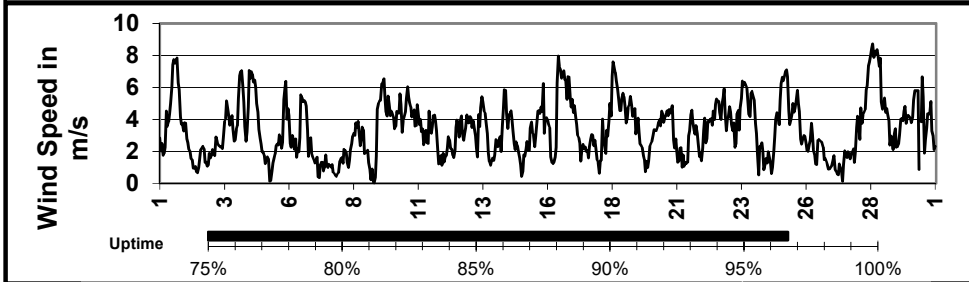
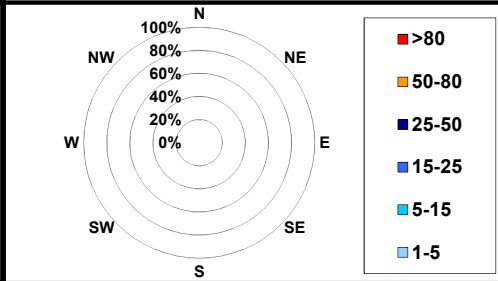
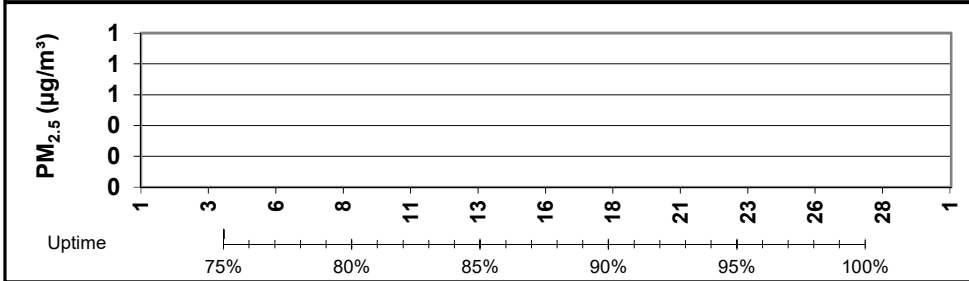
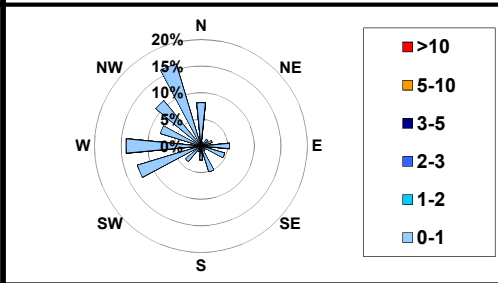
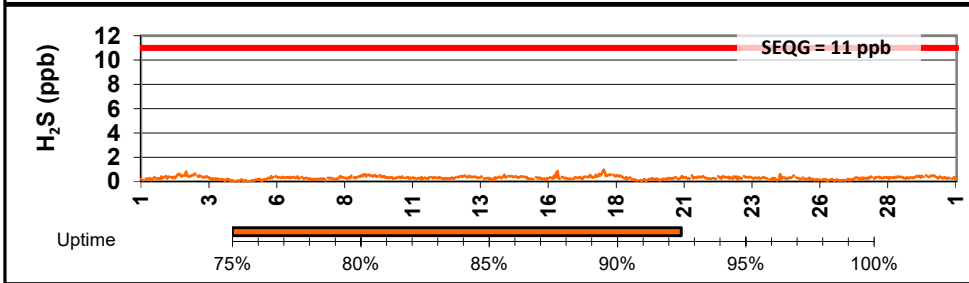
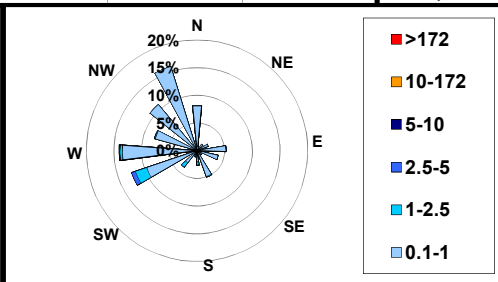
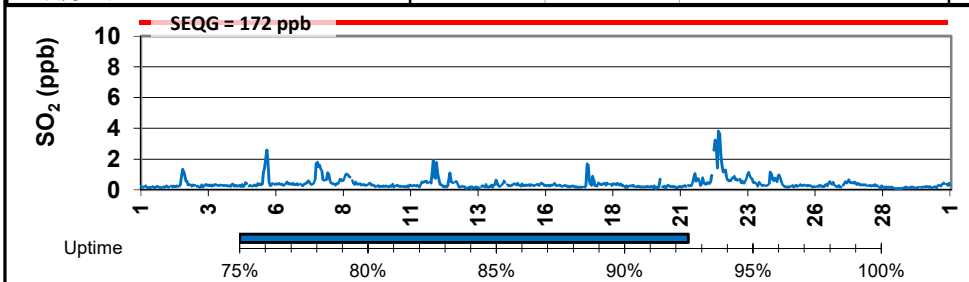


Update Summary:

Equipment was running above 90% uptime

SESAA - November 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)	0.4	92%	3.8	172	Nov-22 10:00	1.4	48	Nov-22	0 / 0
H ₂ S (ppb)	0.3	92%	1.0	11	Nov-18 01:00	0.5	3.6	Nov-18	0 / 0
PM _{2.5} (µg/m ³)	-	0%	0.0	-	#N/A	0.0	28	Nov-01	- / 0



Elevated Reading Summary

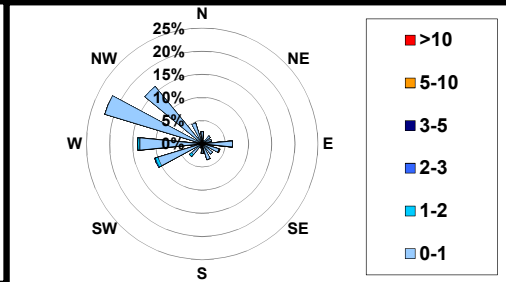
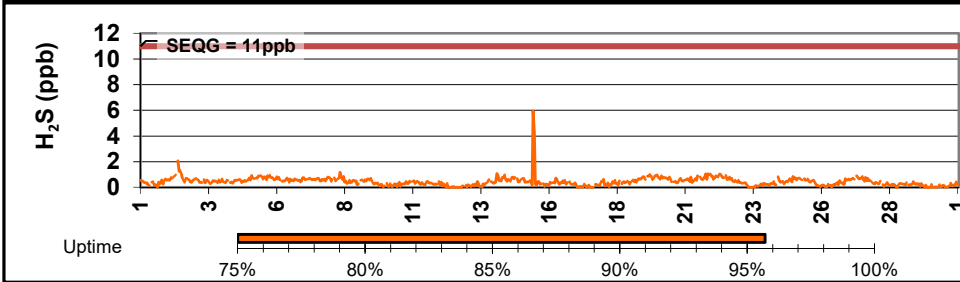
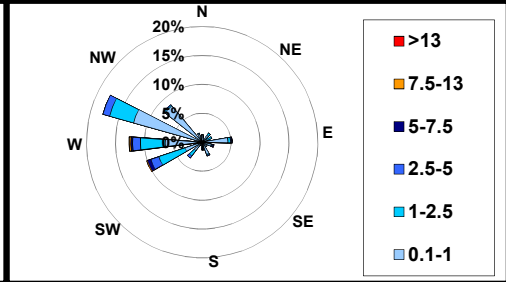
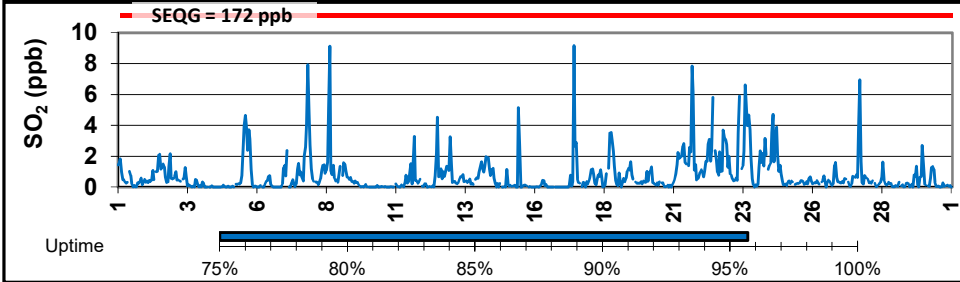
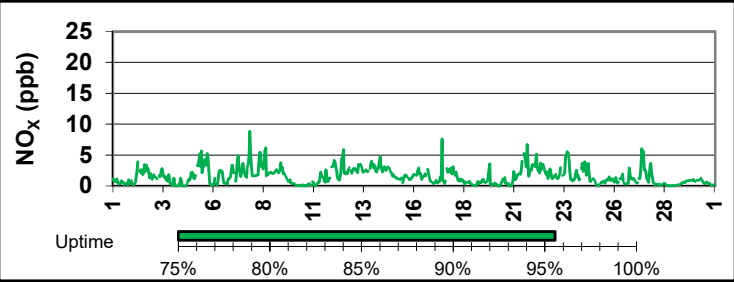
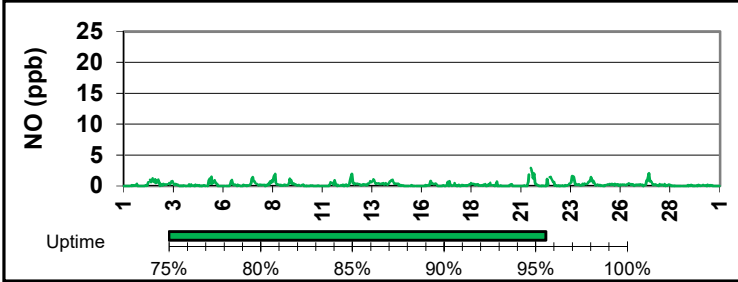
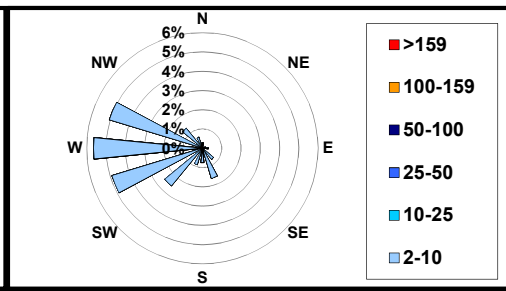
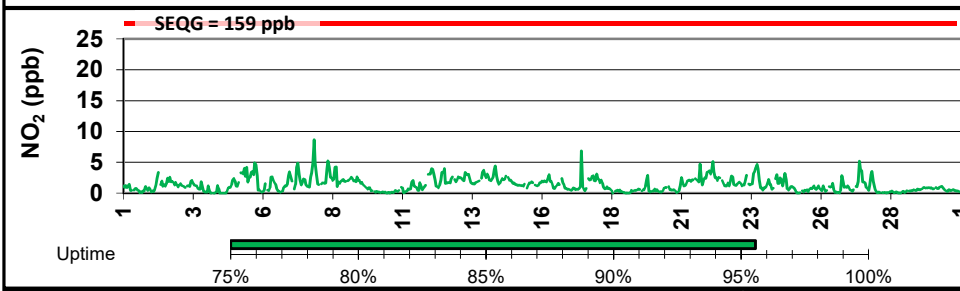
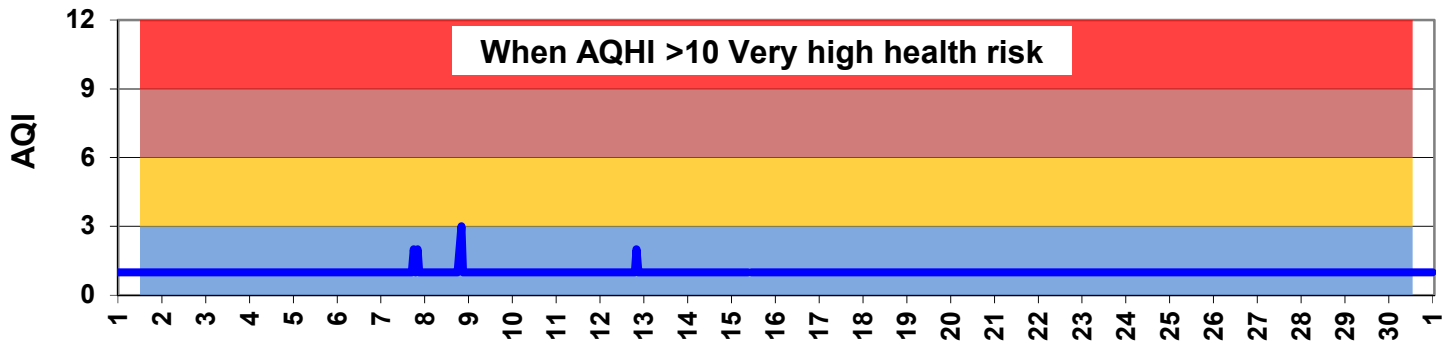
Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
11/18/2019 1:00	-	0.3	1.0	-	NA	1.4	239.3	-0.1	82.4

Update Summary:

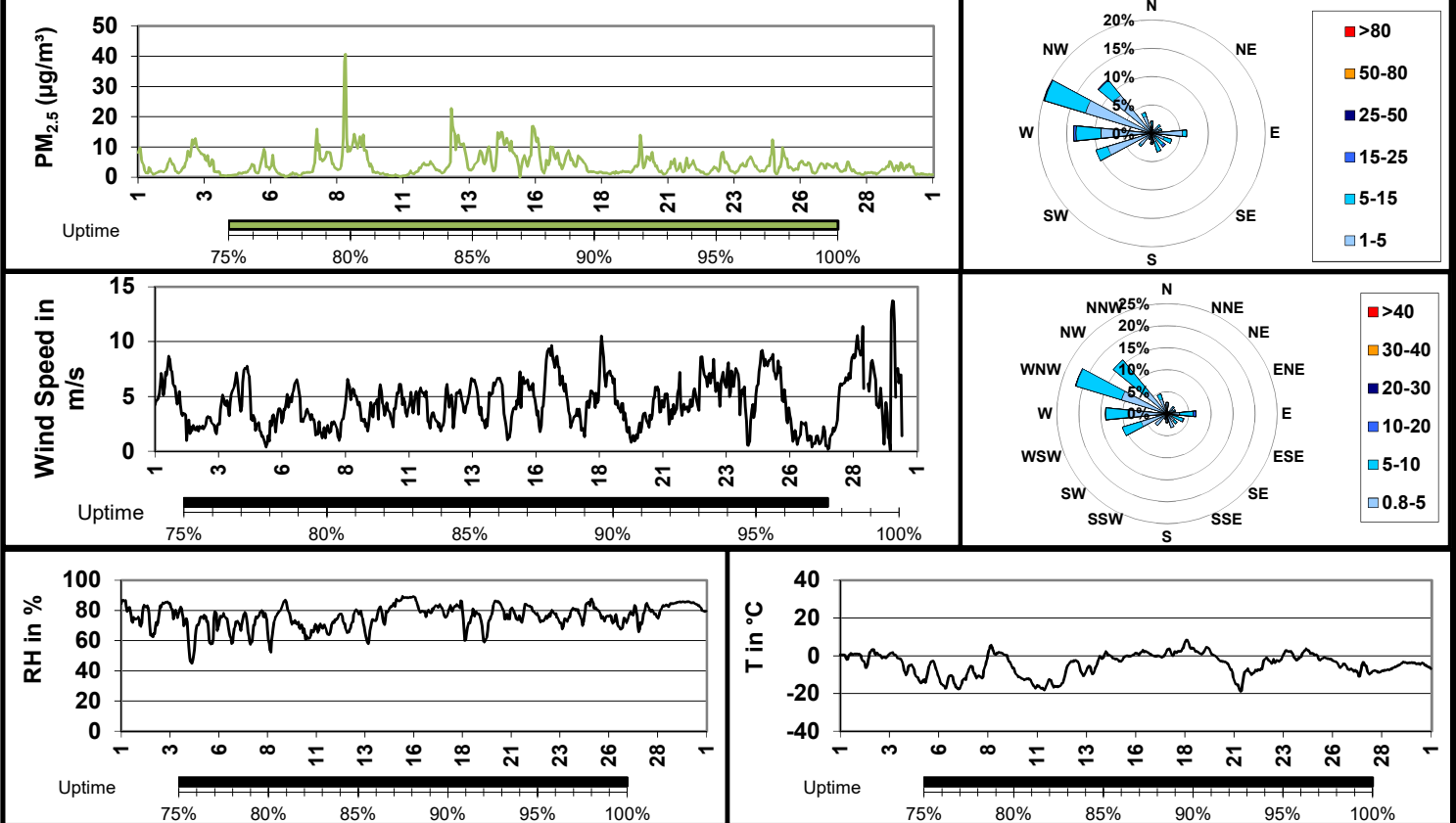
The PM_{2.5} failure resulted in equipment requiring repairs at CD Nova and remains out for repairs
 Remaining equipment was running above 90% uptime

SESAA - November 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	96%	2.9	-	Nov-21 12:00	0.6	-	Nov-21	- / -
NO ₂ (ppb)	1.4	96%	8.6	159	Nov-07 20:00	2.6	106	Nov-07	0 / 0
NO _x (ppb)	1.6	96%	8.8	-	Nov-07 20:00	2.9	-	Nov-07	- / -
SO ₂ (ppb)	0.8	96%	9.2	172	Nov-17 10:00	2.0	-	Nov-23	0 / 0
H ₂ S (ppb)	0.4	96%	6.0	11	Nov-15 10:00	0.7	3.6	Nov-15	0 / 0
PM _{2.5} (µg/m ³)	4.1	100%	40.7	-	Nov-08 20:00	9.1	28	Nov-08	- / 0



SESAA - November 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
11/15/2019 10:00	0.0	5.1	6.0	-	0.0	4.0	102.9	-0.7	89.3

Update Summary:

Equipment was running above 90% uptime

Due to freezing conditions and ice build up near end of month we lost several hours of wind speed and direction readings

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