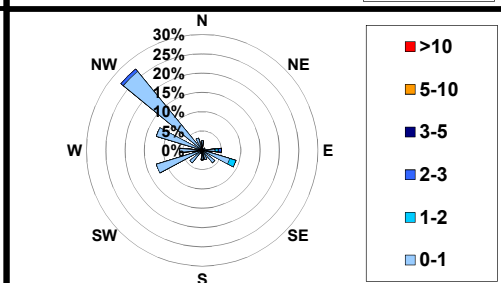
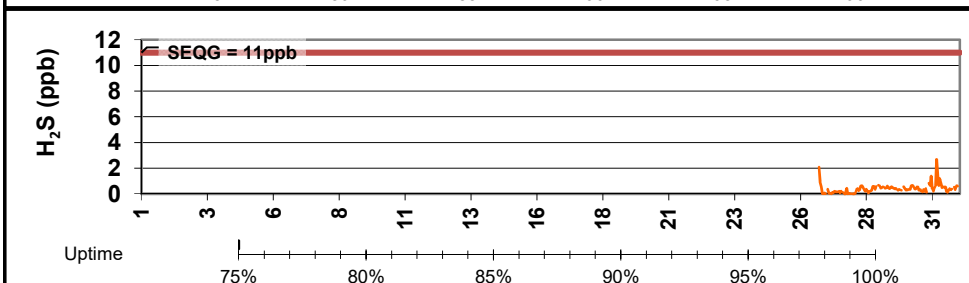
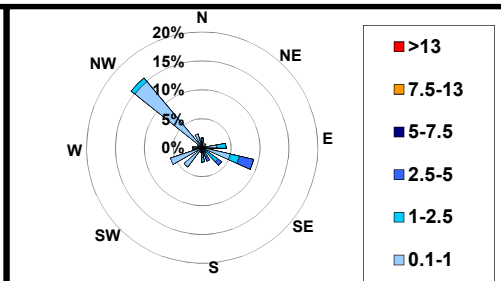
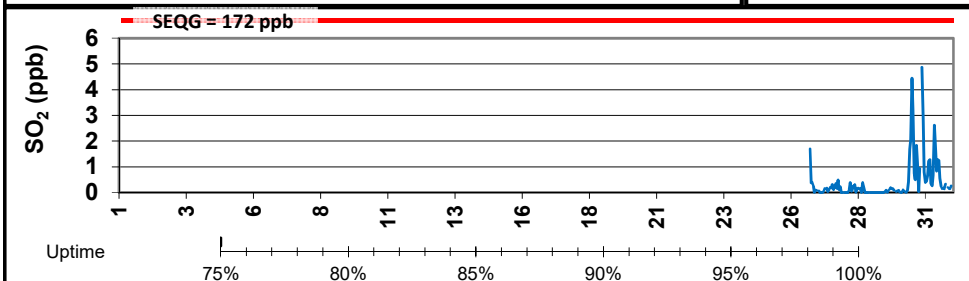
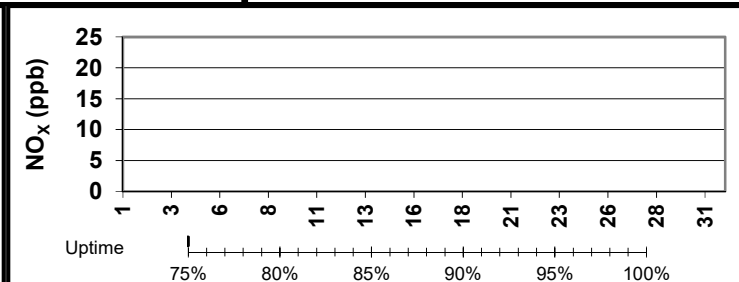
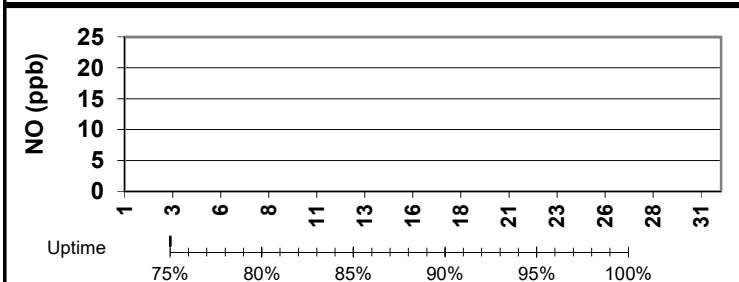
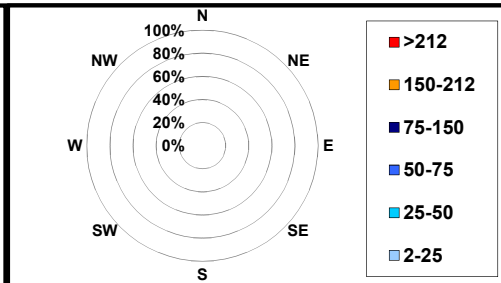
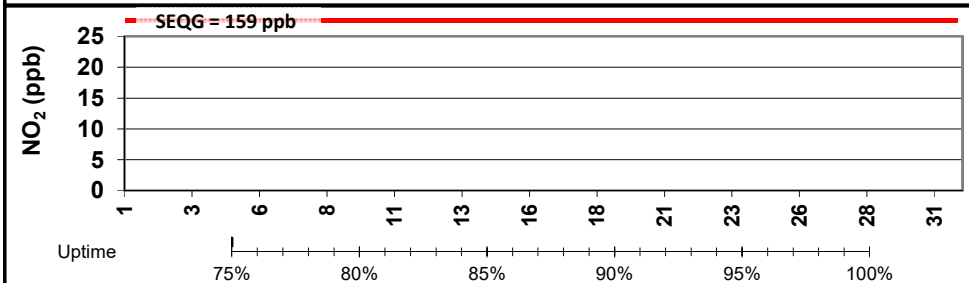
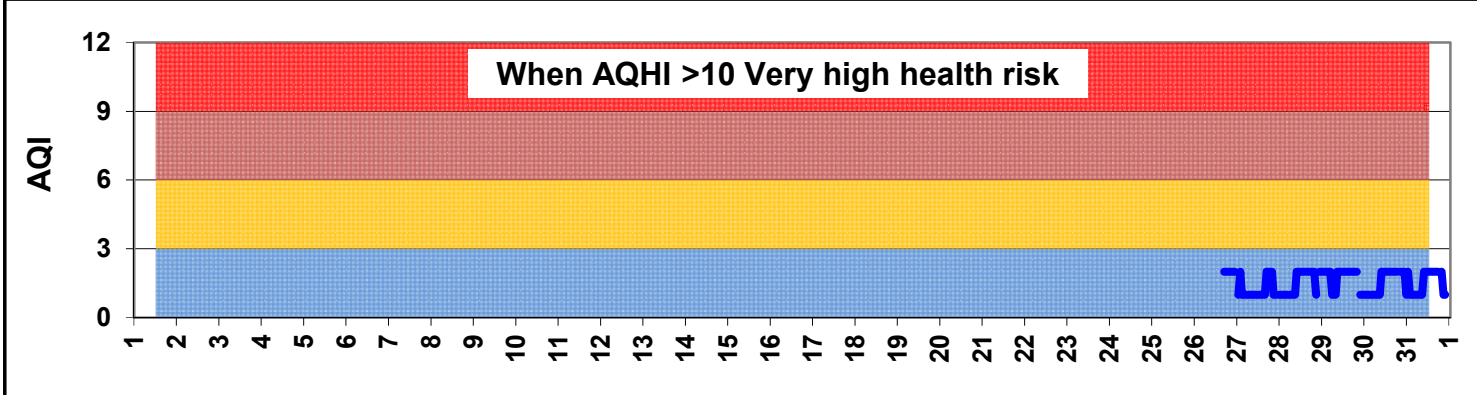
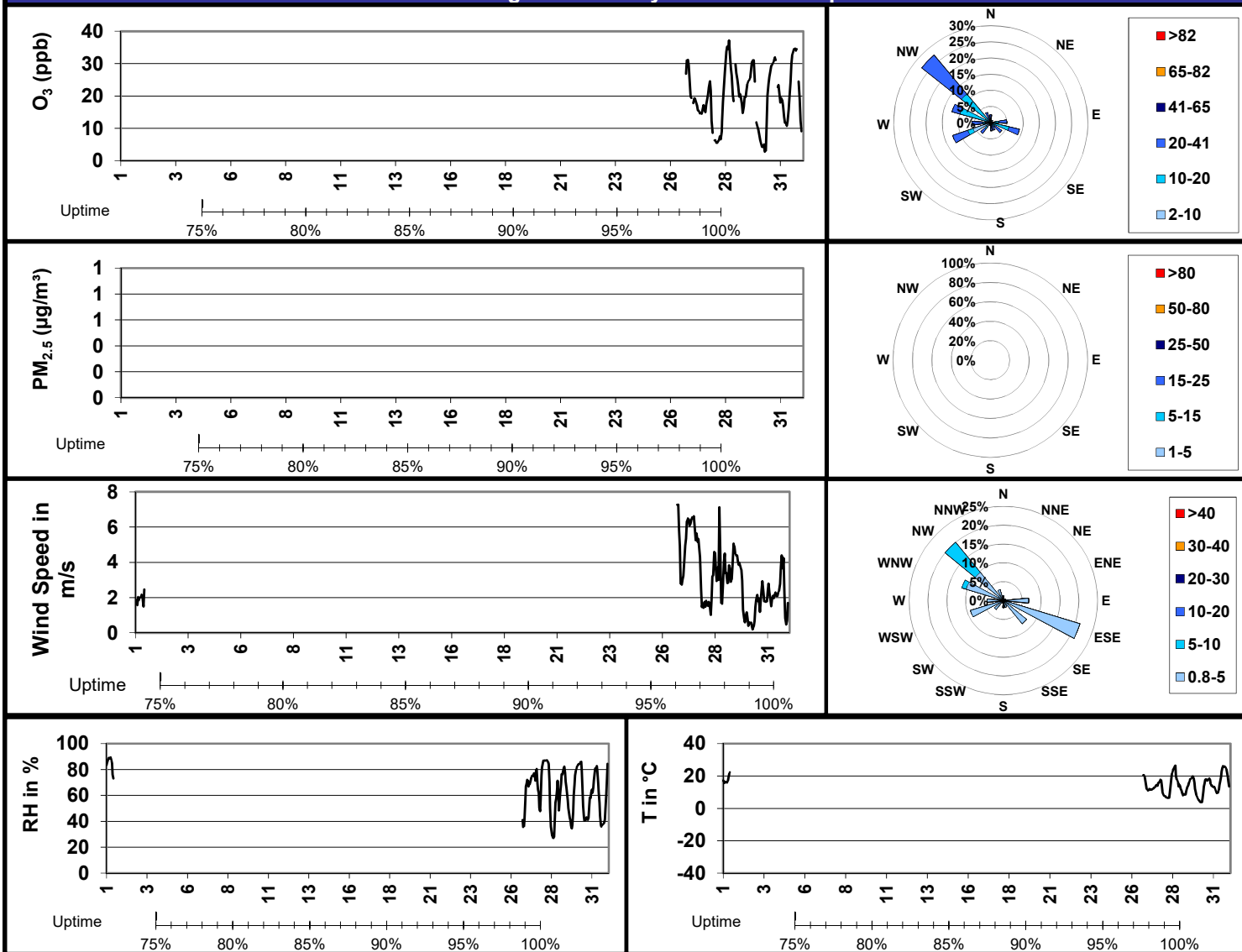


## SESAA - August 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	-	0.0%	0.0	-	#N/A	0.0	-	Aug-27	- / -
NO <sub>2</sub> (ppb)	-	0.0%	0.0	159	#N/A	0.0	106	Aug-31	0 / 0
NO <sub>x</sub> (ppb)	-	0.0%	0.0	-	#N/A	0.0	-	Aug-31	- / -
SO <sub>2</sub> (ppb)	0.4	16.4%	4.9	172	Aug-30 21:00	1.1	-	Aug-30	0 / 0
H <sub>2</sub> S (ppb)	0.4	16.4%	2.7	11	Aug-31 04:00	0.6	3.6	Aug-31	0 / 0
O <sub>3</sub> (ppb)	19.9	16.4%	37.2	82	Aug-28 16:00	21.3	63	Aug-29	0 / 0
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	-	0.0%	0.0	-	#N/A	0.0	30	Aug-31	- / 0



## SESAA - August 2019 Weyburn Station Report



### Elevated Reading Summary

Date	NO <sub>2</sub>	SO <sub>2</sub>	H <sub>2</sub> S	O <sub>3</sub>	PM <sub>2.5</sub>	WS	WD	Temp	RH
2019-08-31 4:00	0.0	1.3	2.7	13.5	0.0	1.5	86.0	10.1	77.2

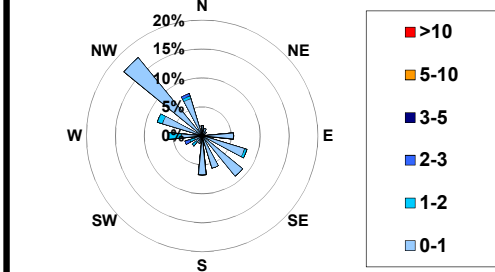
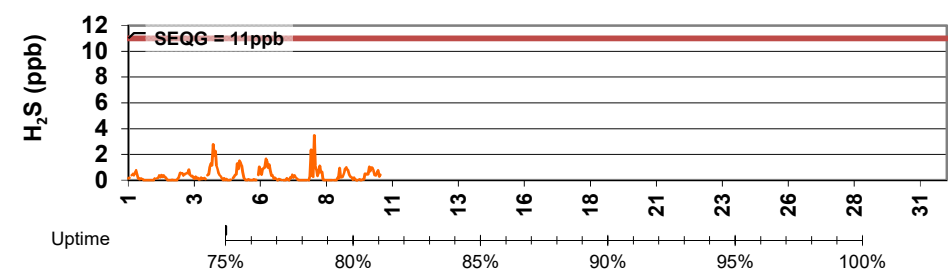
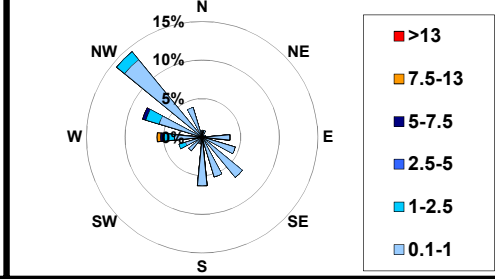
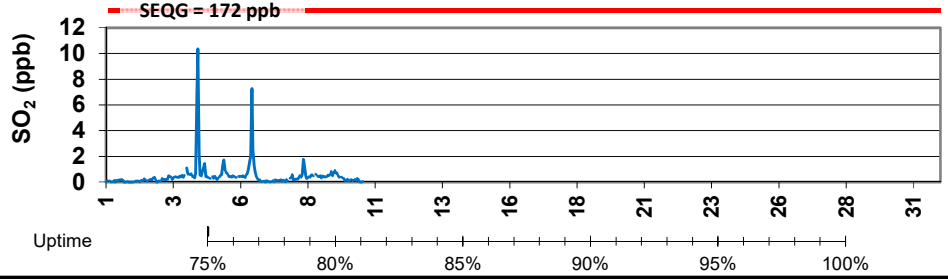
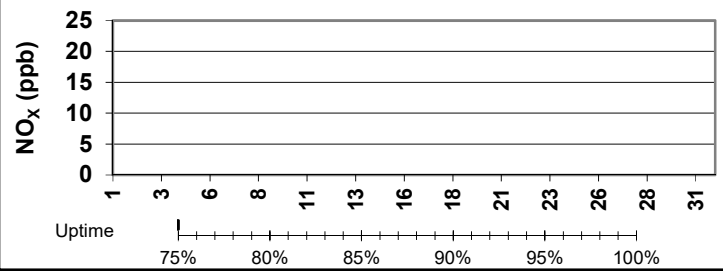
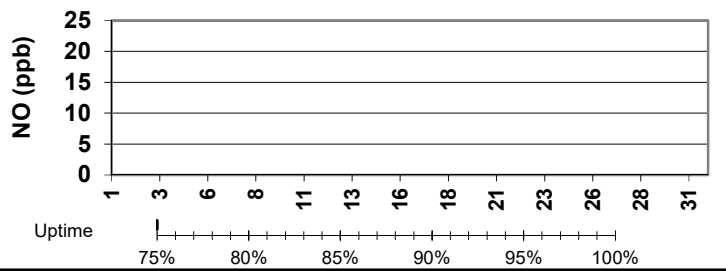
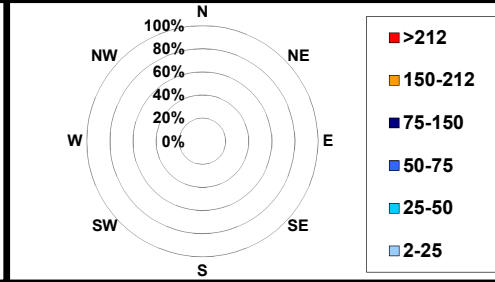
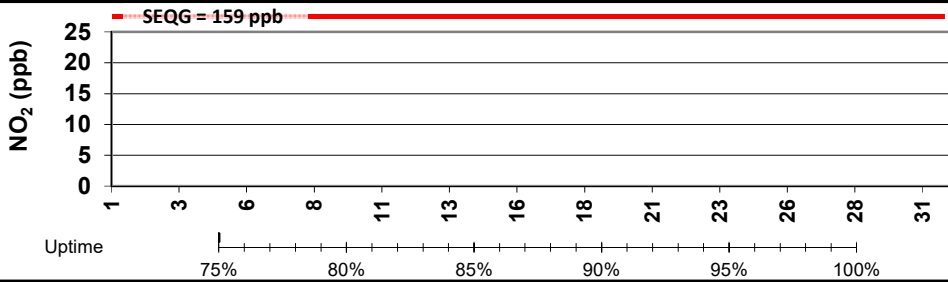
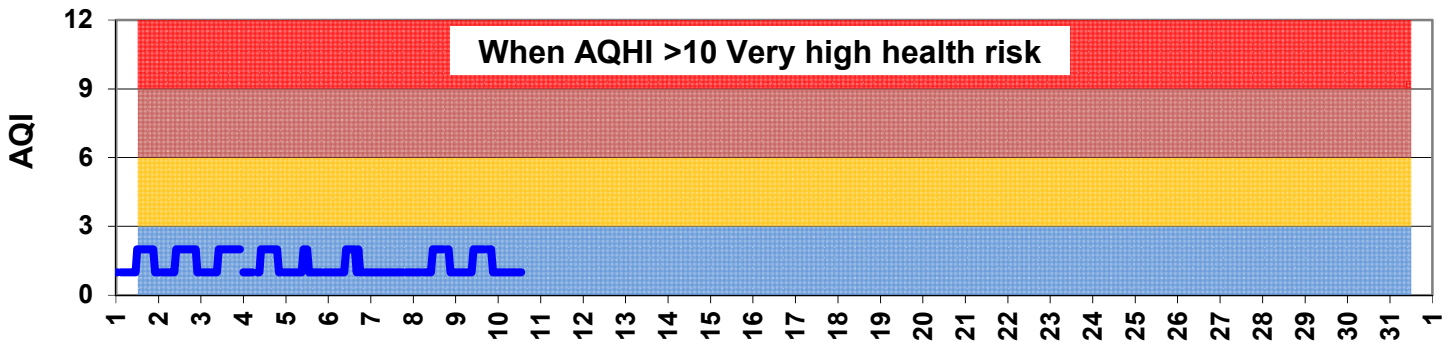
#### Update Summary:

The Station lost power due to a storm, which resulted in the computer having to be pulled and set back to manufacture for repair equipment removed included NO<sub>2</sub> and PM<sub>2.5</sub>

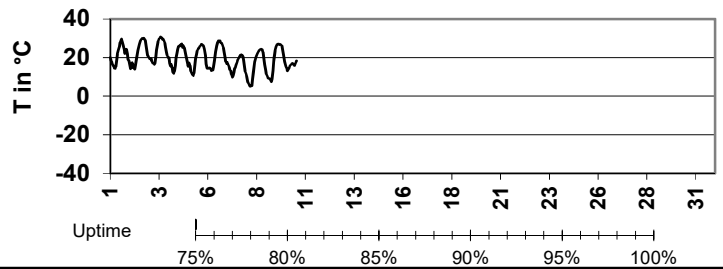
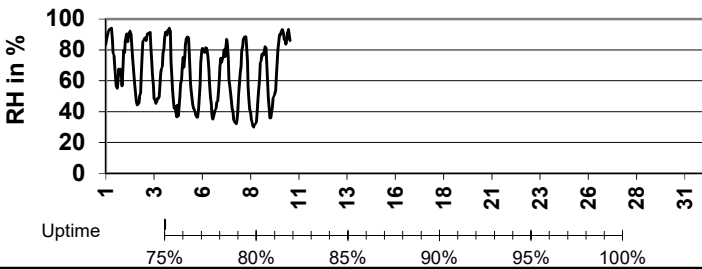
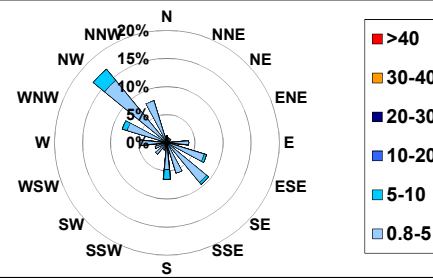
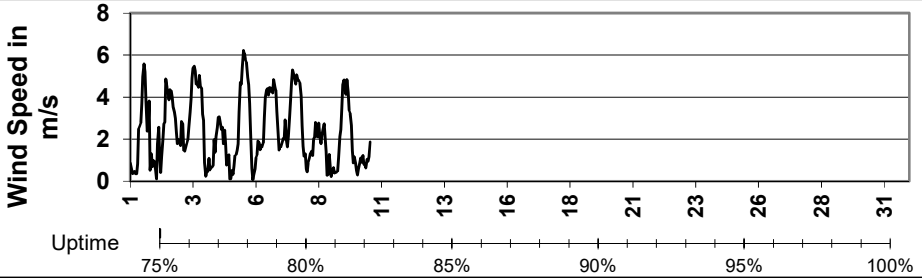
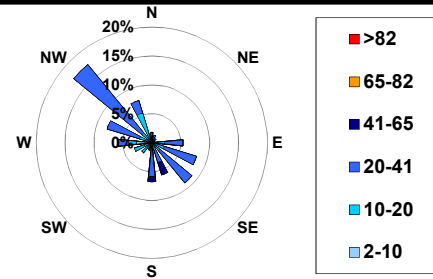
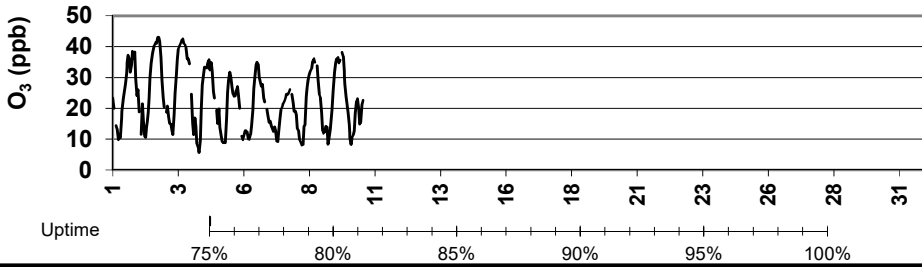
The computer was returned to service Aug 26

## SESAA - August 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)	-	0.0%	0.0	-	#N/A	0.0	-	Aug-31	- / -
NO <sub>2</sub> (ppb)	-	0.0%	0.0	159	#N/A	0.0	106	Aug-31	0 / 0
NO <sub>x</sub> (ppb)	-	0.0%	0.0	-	#N/A	0.0	-	Aug-31	- / -
SO <sub>2</sub> (ppb)	0.5	29.5%	10.4	172	Aug-04 10:00	1.3	-	Aug-04	0 / 0
H <sub>2</sub> S (ppb)	0.4	29.5%	3.5	11	Aug-08 01:00	0.6	3.6	Aug-04	0 / 0
O <sub>3</sub> (ppb)	23.0	29.5%	43.0	82	Aug-02 18:00	27.2	63	Aug-03	0 / 0
PM <sub>2.5</sub> (µg/m <sup>3</sup> )									



## SESAA - August 2019 Glen Ewen Station Report



### Elevated Reading Summary

Date	NO <sub>2</sub>	SO <sub>2</sub>	H <sub>2</sub> S	O <sub>3</sub>	PM <sub>2.5</sub>	WS	WD	Temp	RH
2019-08-08 1:00	0.0	0.2	3.5	13.4	-	0.4	265.8	7.4	79.3

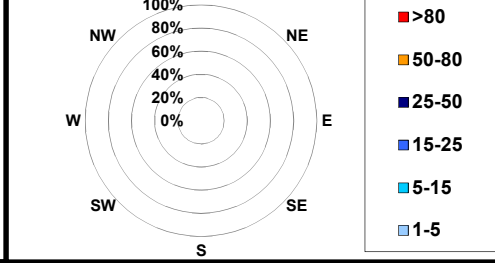
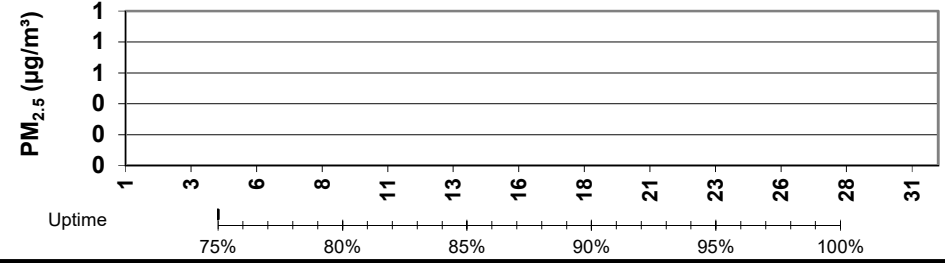
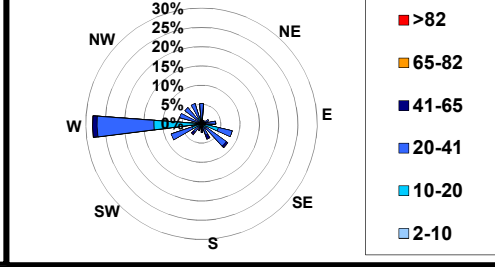
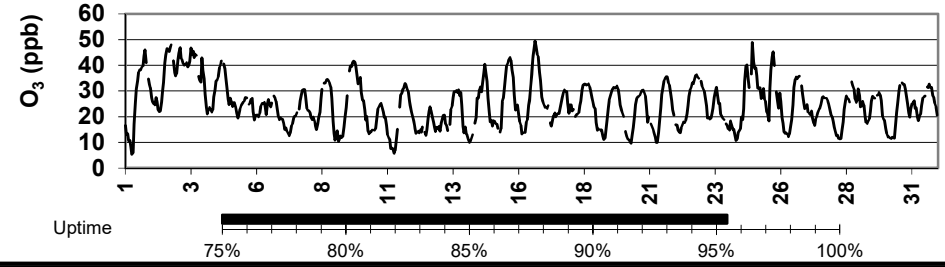
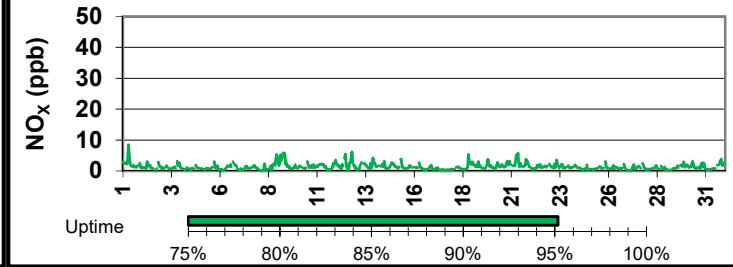
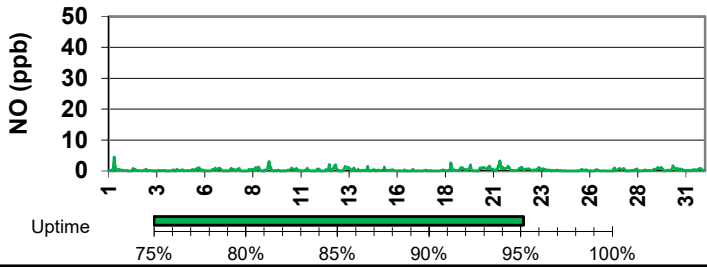
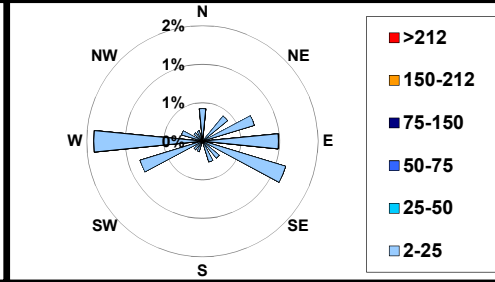
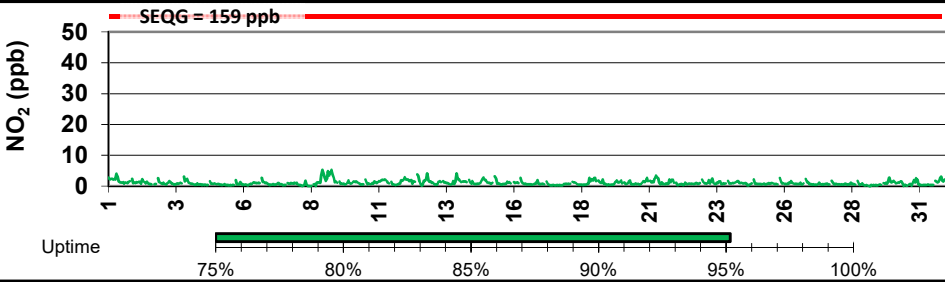
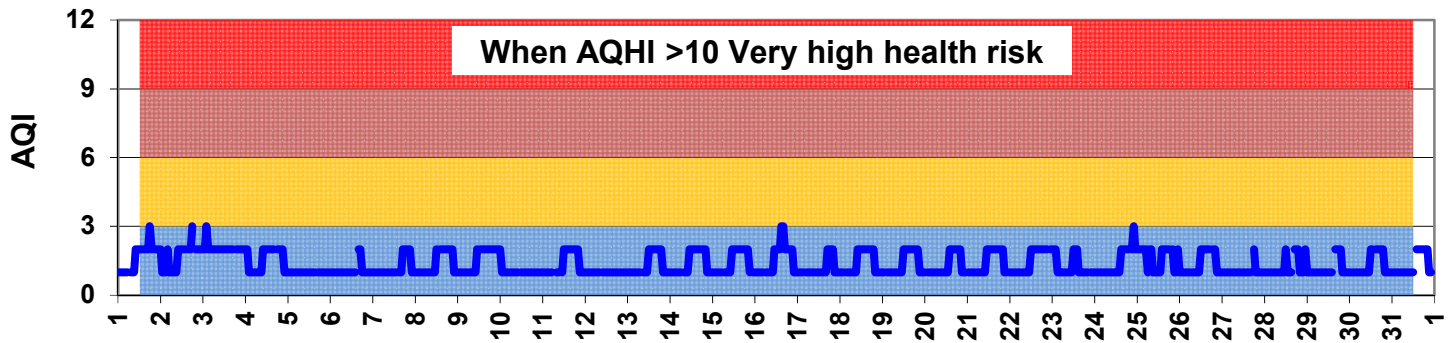
#### Update Summary:

Power was lost at station Aug 10 and resulted in computer failure

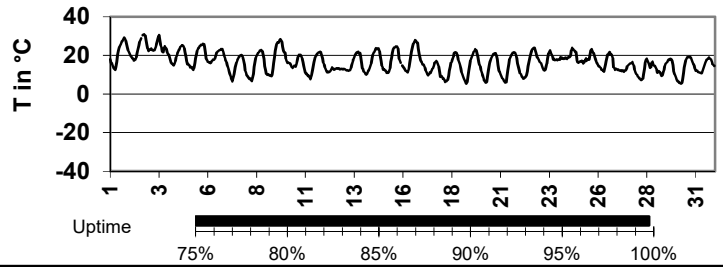
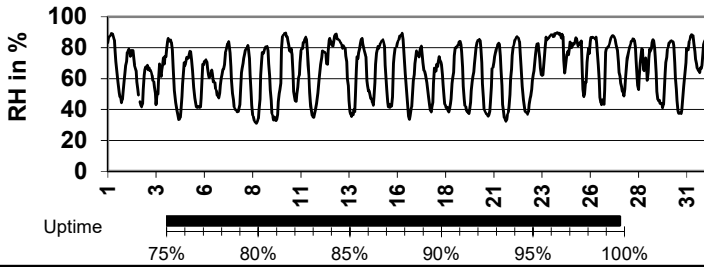
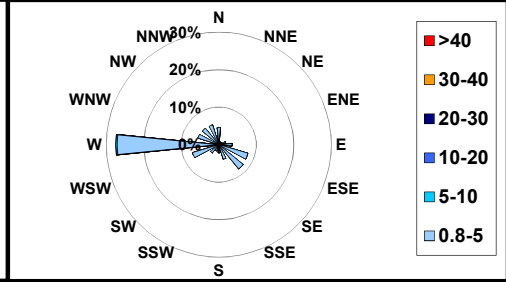
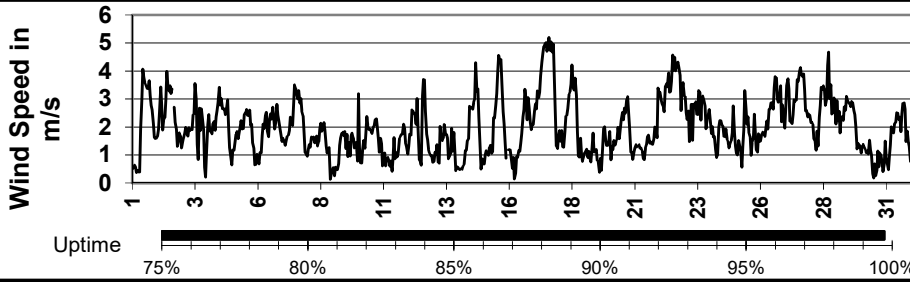
The nitrogen dioxide (NO/NOx) analyzer was removed for repair

## SESAA - August 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)	0.3	95.2%	4.5	-	Aug-01 07:00	0.9	-	Aug-21	- / -
NO <sub>2</sub> (ppb)	1.1	95.2%	5.3	159	Aug-08 22:00	1.9	106	Aug-09	0 / 0
NO <sub>x</sub> (ppb)	1.4	95.2%	8.5	-	Aug-01 07:00	2.3	-	Aug-09	- / -
O <sub>3</sub> (ppb)	24.8	95.4%	49.4	82	Aug-16 15:00	39.7	63	Aug-03	0 / 0
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	-	0.0%	-	-	#N/A	0.0	30	Aug-31	- / 0



## SESAA - August 2019 Esterhazy Station Report



### Elevated Reading Summary

Date	NO <sub>2</sub>	SO <sub>2</sub>	H <sub>2</sub> S	O <sub>3</sub>	PM <sub>2.5</sub>	WS	WD	Temp	RH
2019-08-16 15:00	0.5	-	-	49.4	-	3.4	232.1	27.8	33.5

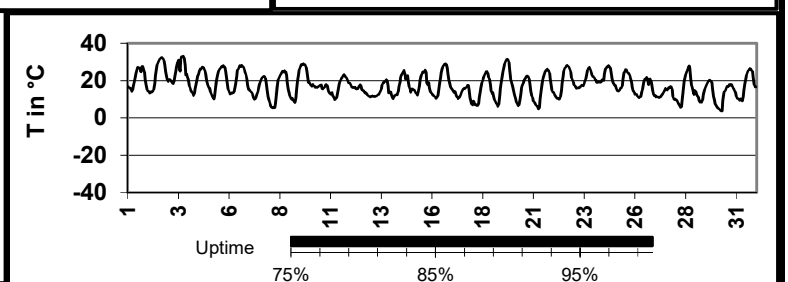
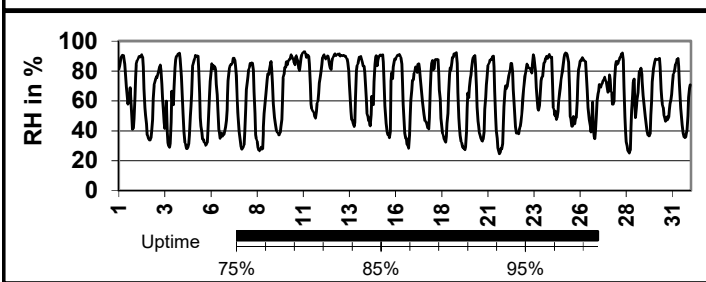
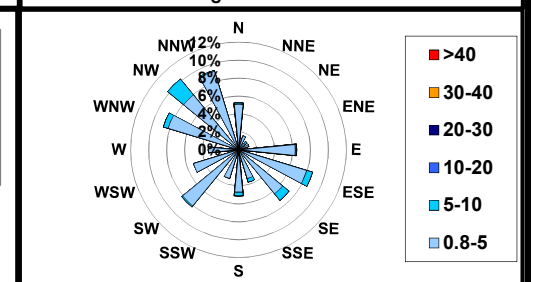
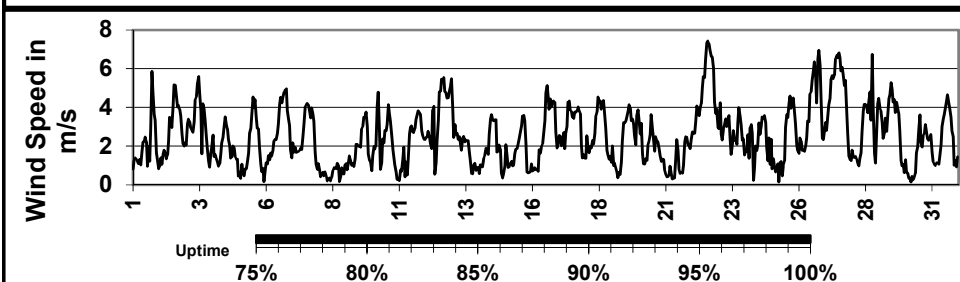
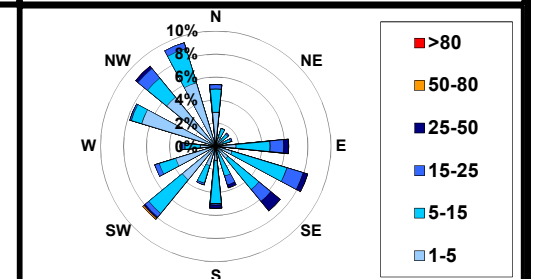
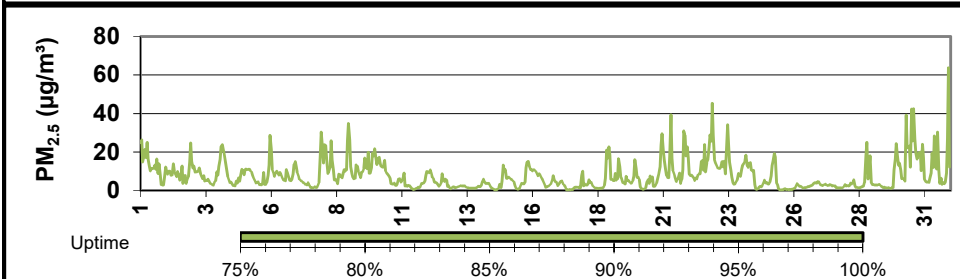
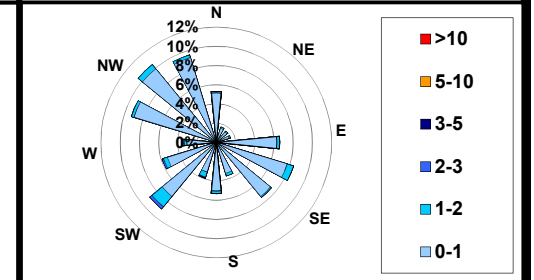
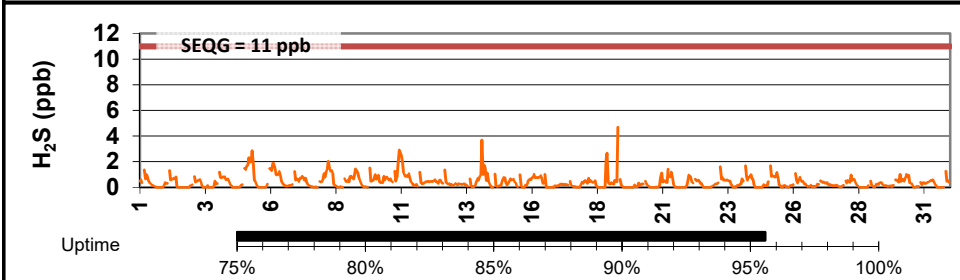
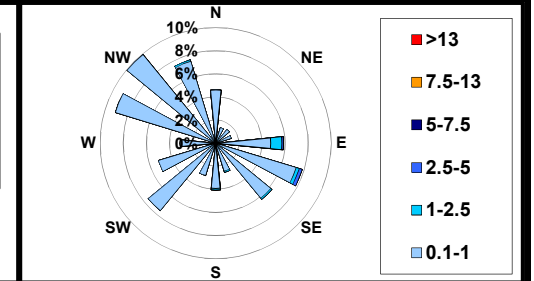
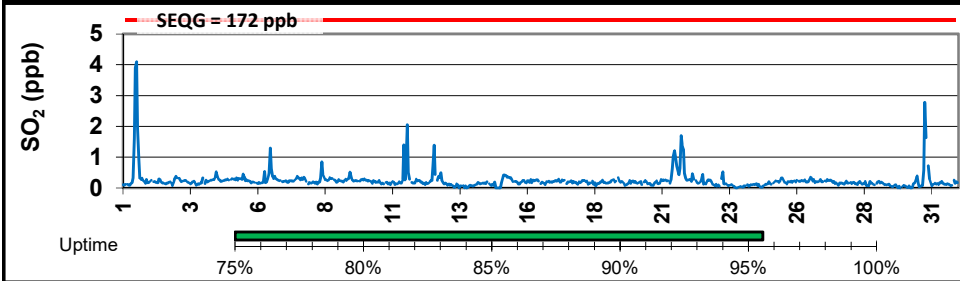
#### Update Summary:

All instruments remained at >95% uptime with exception of PM<sub>2.5</sub> which was shut down and removed for servicing and repair

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

# SESAA - August 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 <sub>2</sub> (ppb)	0.2	95.6%	4.1	172	Aug-01 12:00	0.7	48	Aug-01	0 / 0
H <sub>2</sub> S (ppb)	0.4	95.6%	4.7	11	Aug-19 07:00	0.9	4	Aug-10	0 / 0
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	7.8	100.0%	63.7	-	PM2.5	19.2	30	Aug-30	- / 0



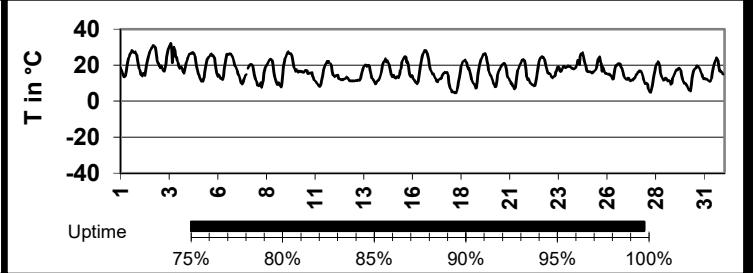
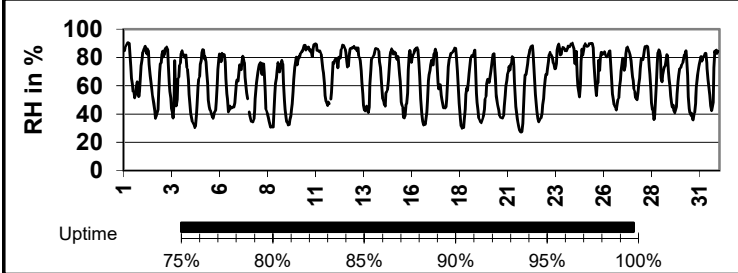
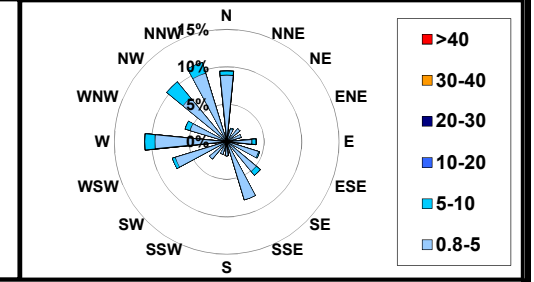
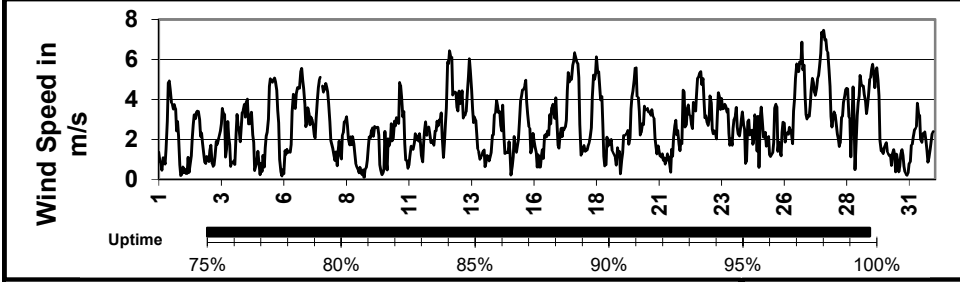
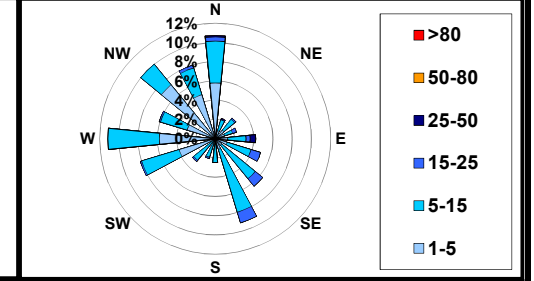
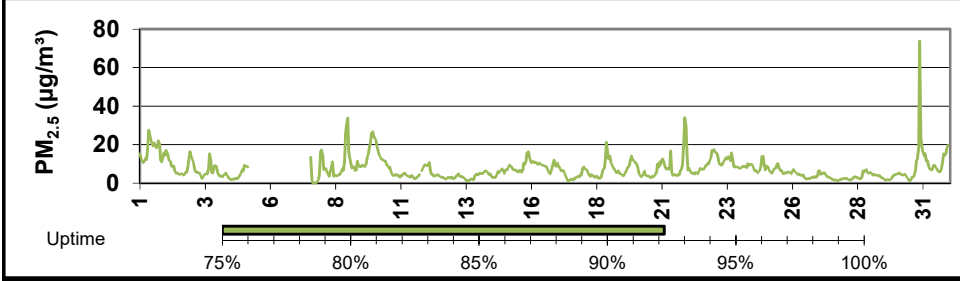
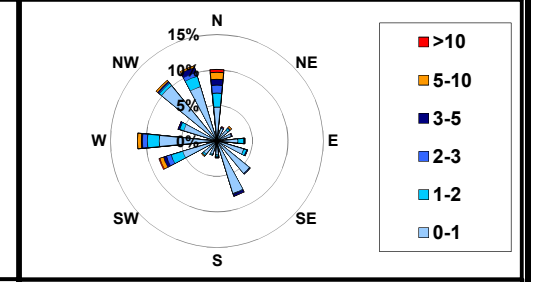
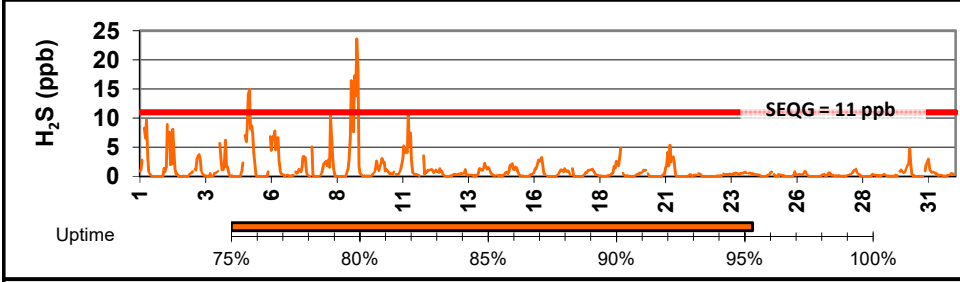
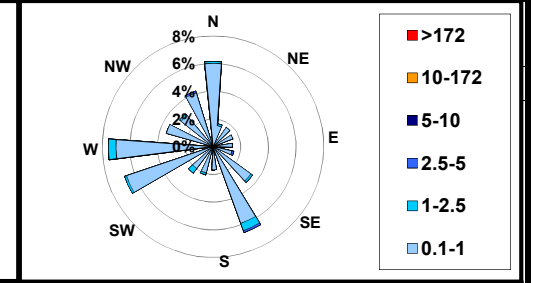
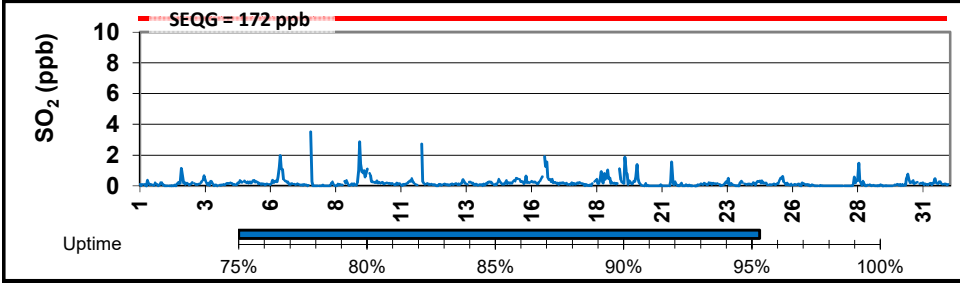
## Update Summary:

There was no exceedance in the month of Aug 2019

Instrument uptime was >95%

## SESAA - August 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 <sub>2</sub> (ppb)	0.2	95.3%	3.5	172	Aug-07 13:00	0.6	-	Aug-09	0 / 0
H <sub>2</sub> S (ppb)	1.1	95.3%	23.6	11	Aug-09 06:00	5.0	3.6	Aug-09	7 / 2
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	7.4	92.2%	73.8	-	Aug-30 21:00	16.9	30	Aug-01	- / 0



### Elevated Reading Summary

Date	NO <sub>2</sub>	SO <sub>2</sub>	H <sub>2</sub> S	O <sub>3</sub>	PM <sub>2.5</sub>	WS	WD	Temp	RH
2019-08-30 21:00	-	0.1	23.6	-	73.8	0.2	163.6	14.8	64.9

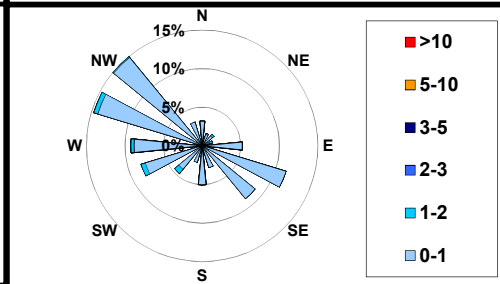
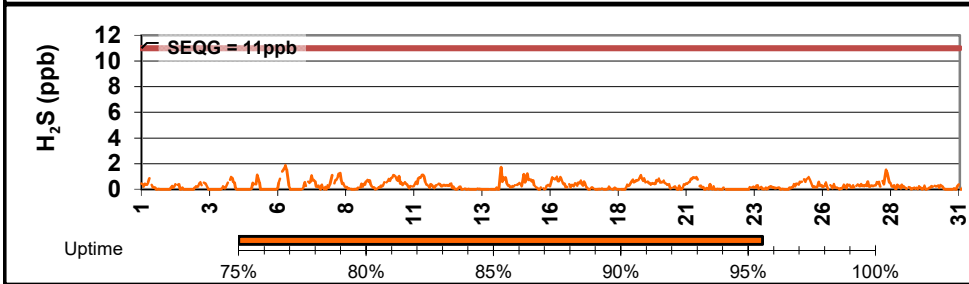
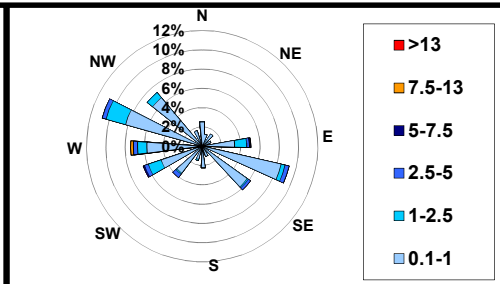
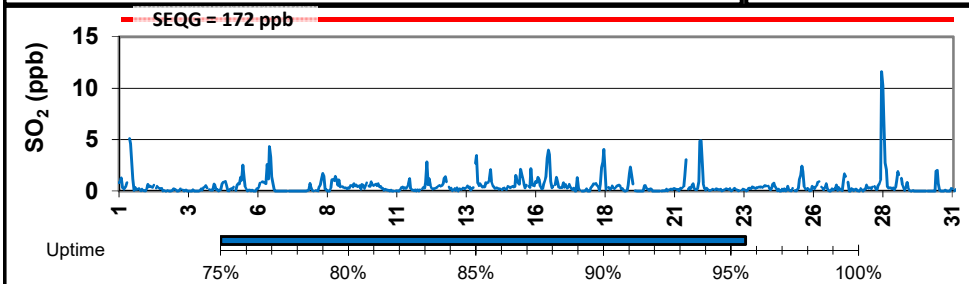
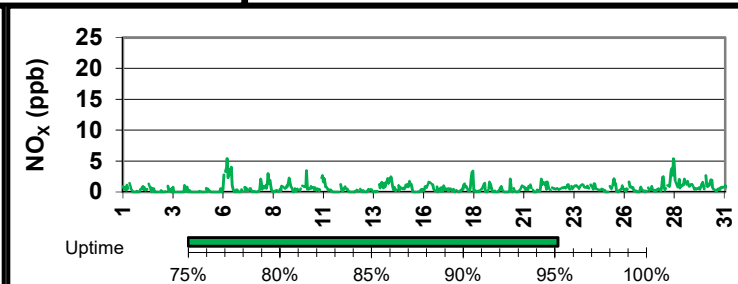
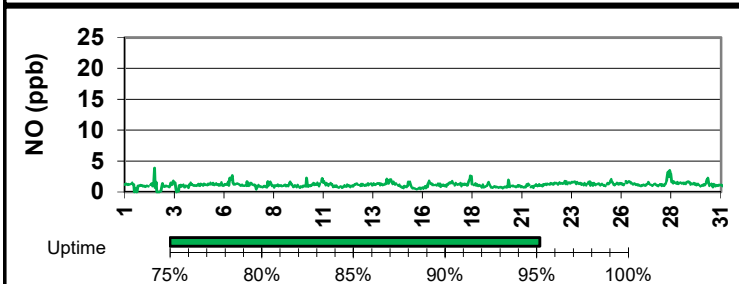
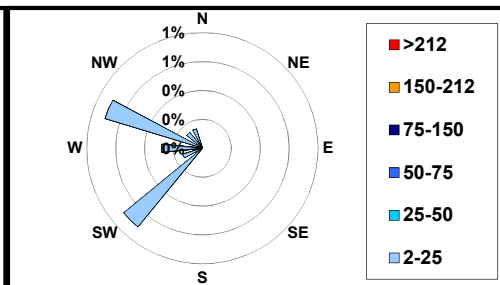
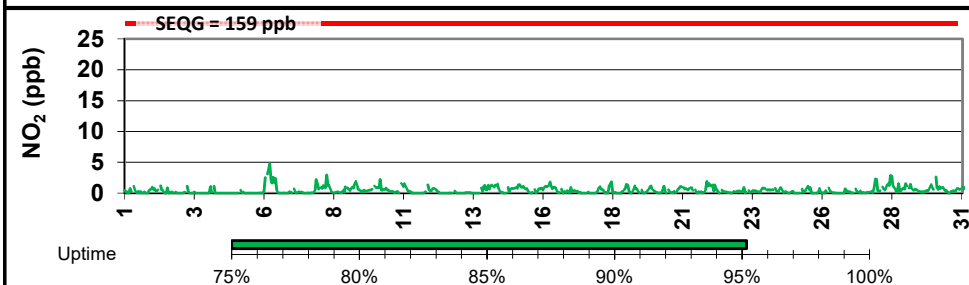
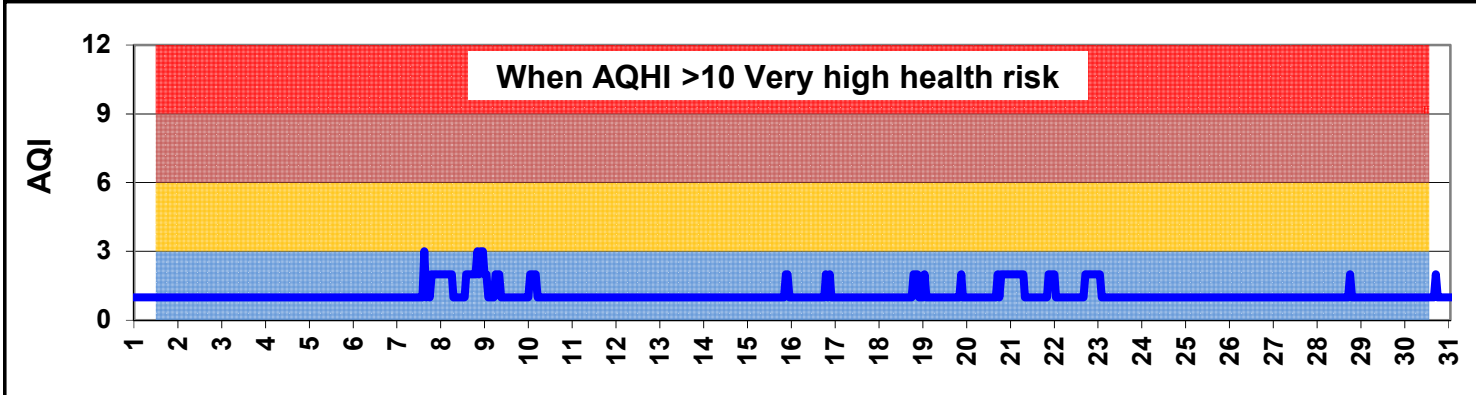
#### Update Summary:

There were seven readings above the 1-hr SEQG and two above the 24-hr SEQG for hydrogen sulphide in the month of Aug 2019, with the highest reading recorded during winds from the south-southeast. All instruments remained >90% uptime.

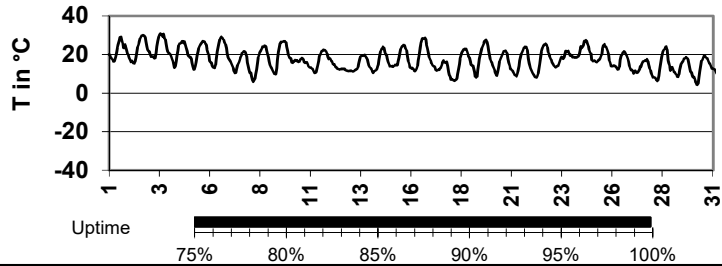
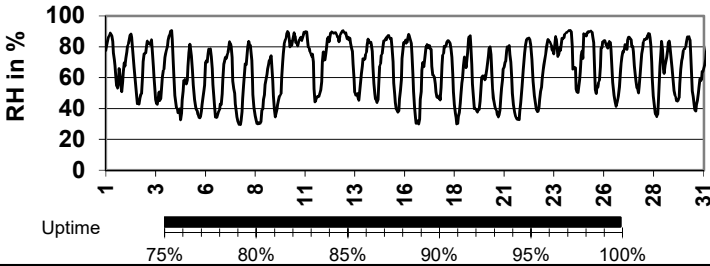
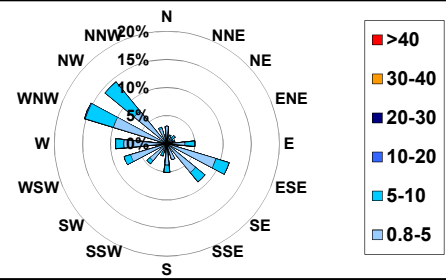
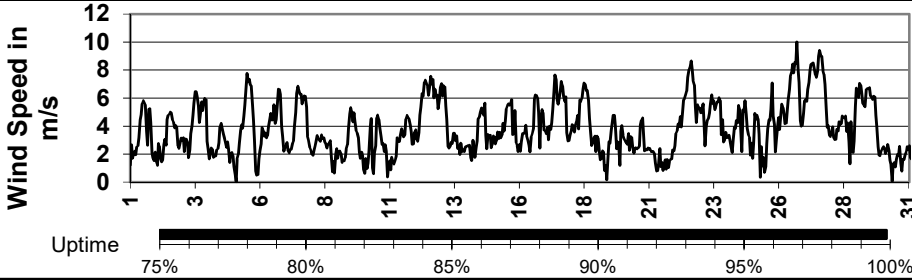
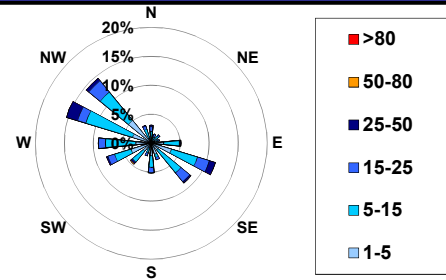
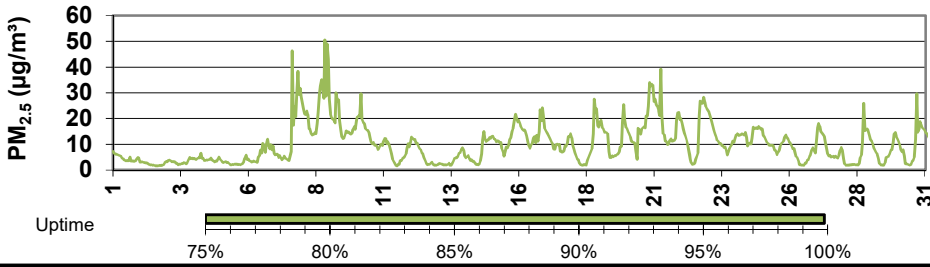


## SESAA - August 2019 Oxbow Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	1.2	95.2%	3.9	-	Aug-02 12:00	1.7	-	Aug-28	- / -
NO <sub>2</sub> (ppb)	0.4	95.2%	4.8	159	Aug-06 05:00	1.1	106	Aug-06	0 / 0
NO <sub>x</sub> (ppb)	0.6	95.2%	5.4	-	Aug-28 11:00	1.6	-	Aug-28	- / -
SO <sub>2</sub> (ppb)	0.5	95.6%	11.6	172	Aug-28 11:00	1.7	-	Aug-28	0 / 0
H <sub>2</sub> S (ppb)	0.3	95.6%	1.9	11	Aug-06 07:00	0.6	3.6	Aug-19	0 / 0
O <sub>3</sub> (ppb)									
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	10.1	99.9%	50.5	-	Aug-08 20:00	25.3	30	Aug-08	- / 0



## SESAA - August 2019 Oxbow Station Report



### Elevated Reading Summary

Date	NO <sub>2</sub>	SO <sub>2</sub>	H <sub>2</sub> S	O <sub>3</sub>	PM <sub>2.5</sub>	WS	WD	Temp	RH
2019-08-06 7:00	1.6	0.7	1.9	-	3.1	3.3	236.0	14.8	73.6

#### Update Summary:

There were no exceedance in the month of Aug 2019

Uptime was >90% for the month