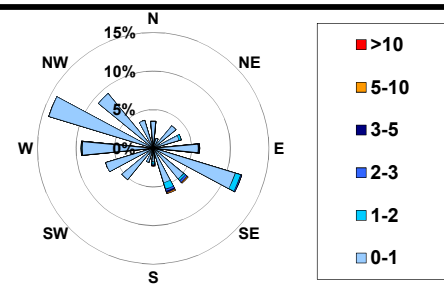
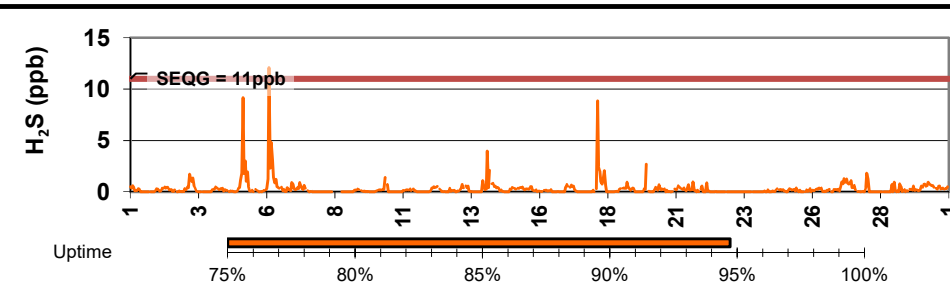
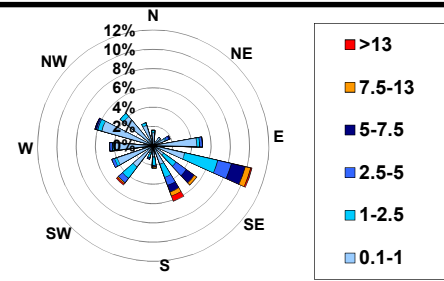
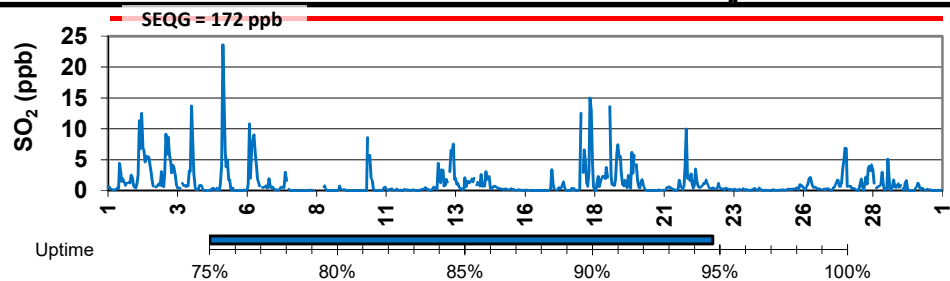
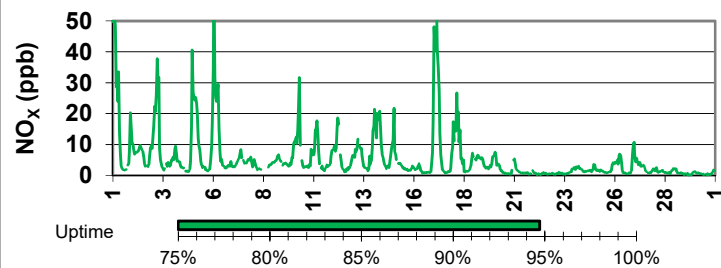
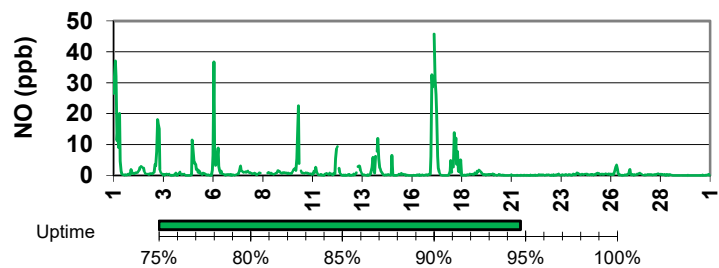
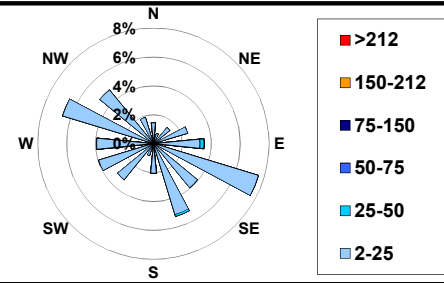
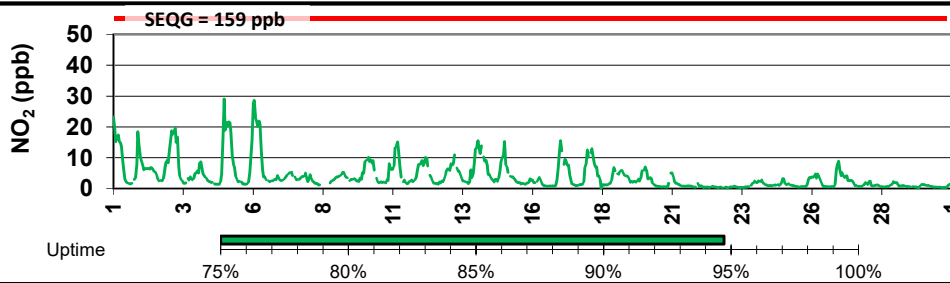
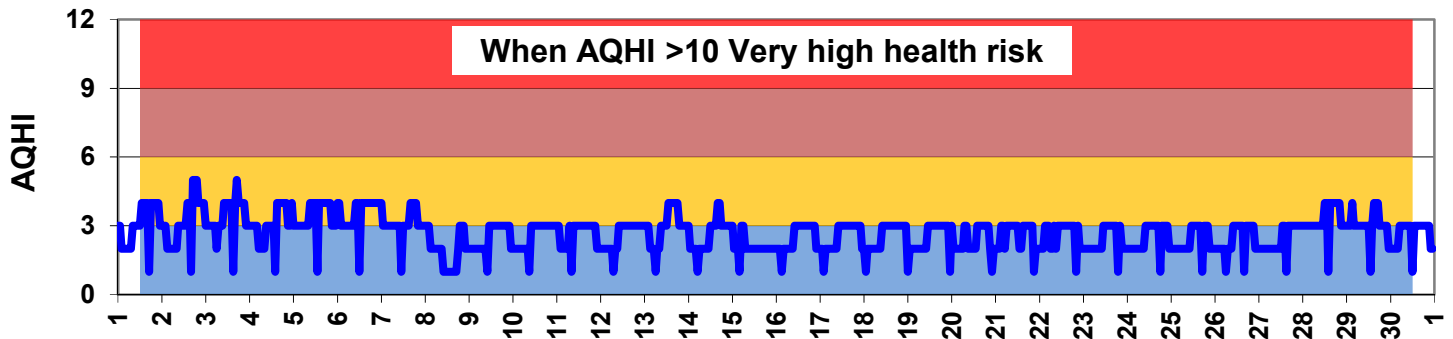
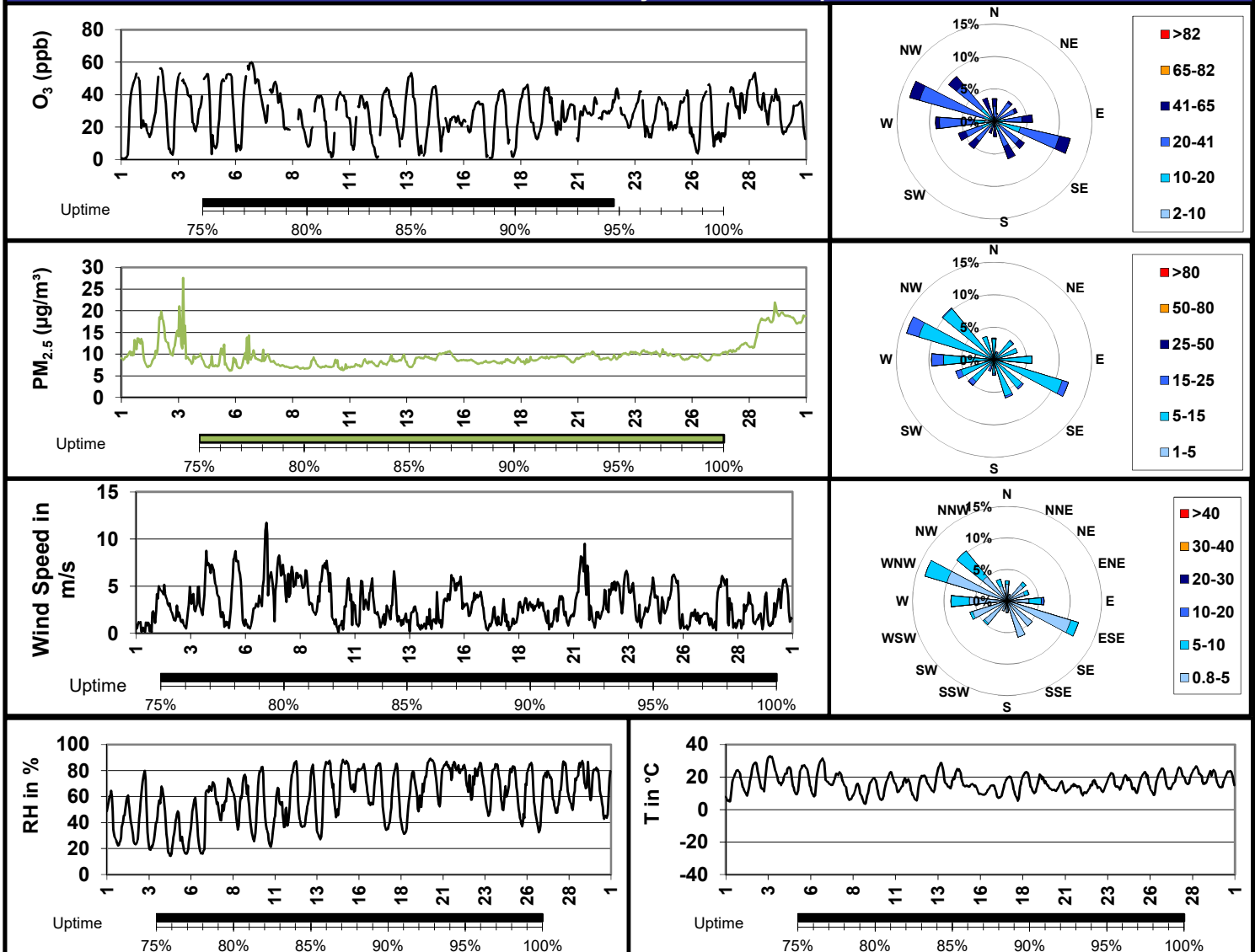


SESAA - June 2019 Weyburn Station Report

Parm	Average	Uptime	1-hour			8-hour / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	1.5	94.7%	45.8	-	Jun-17 03:00	8.4	-	Jun-17	- / -
NO ₂ (ppb)	4.0	94.7%	29.1	159	Jun-04 23:00	9.3	106	Jun-06	0 / 0
NO _x (ppb)	5.5	94.7%	65.4	-	Jun-06 01:00	17.3	-	Jun-01	- / -
SO ₂ (ppb)	1.2	94.7%	23.6	172	Jun-05 03:00	3.6	-	Jun-02	0 / 0
H ₂ S (ppb)	0.3	94.7%	12.1	11	Jun-06 02:00	1.3	3.6	Jun-06	1 / 0
O ₃ (ppb)	28.6	94.7%	60.0	82	Jun-06 17:00	38.4	63	Jun-28	0 / 0
PM _{2.5} (µg/m ³)	9.8	100.0%	27.6	-	Jun-03 17:00	18.6	30	Jun-29	- / 0



SESAA - June 2019 Weyburn Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
6/6/2019 2:00	23.1	10.8	12.1	7.9	7.1	0.9	188.4	10.0	48.7

Update Summary:

There was one exceedance in the month of June 2019, the maximum hydrogen sulphide occurred during low winds

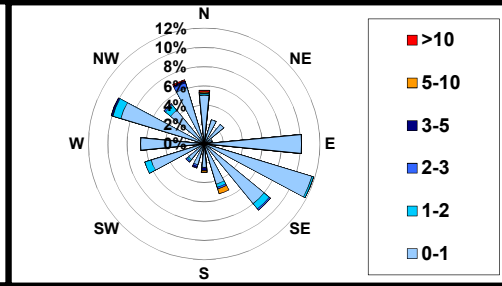
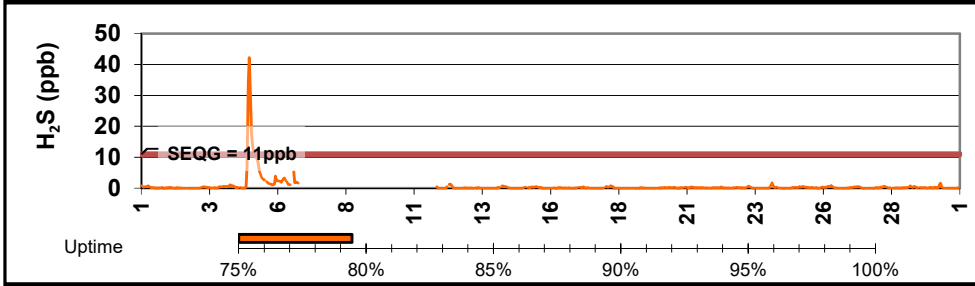
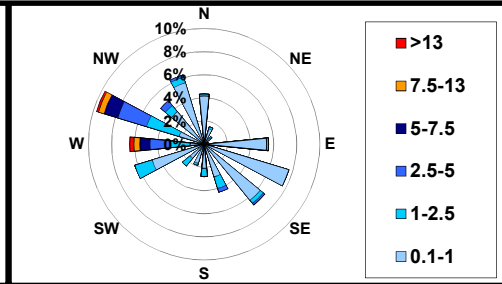
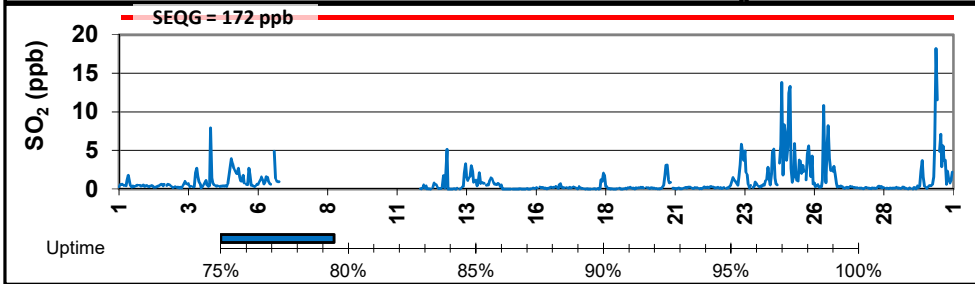
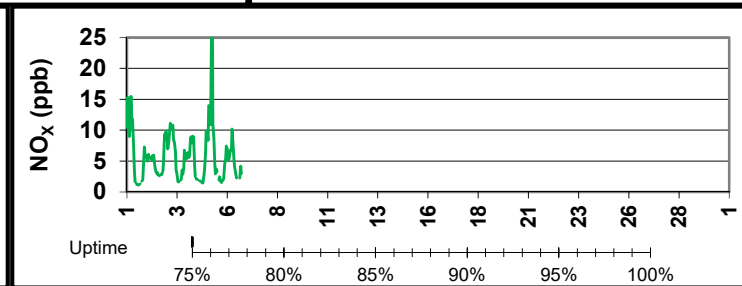
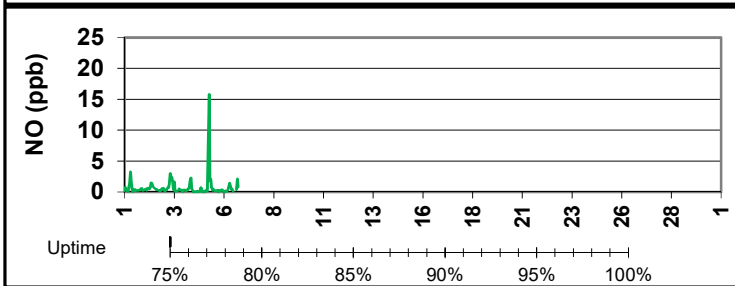
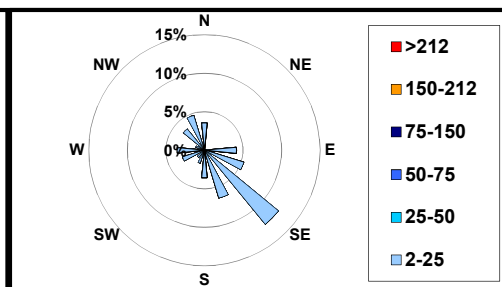
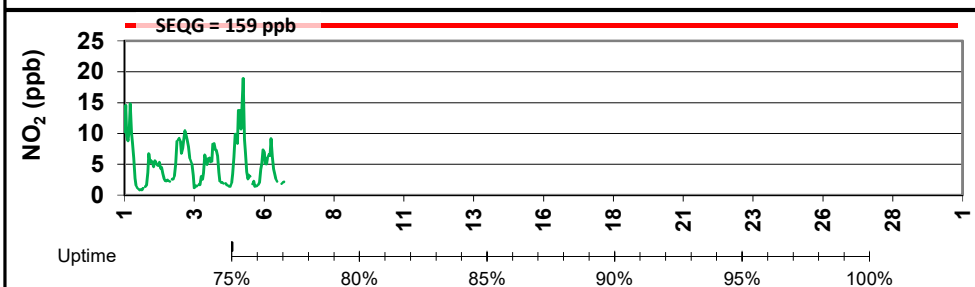
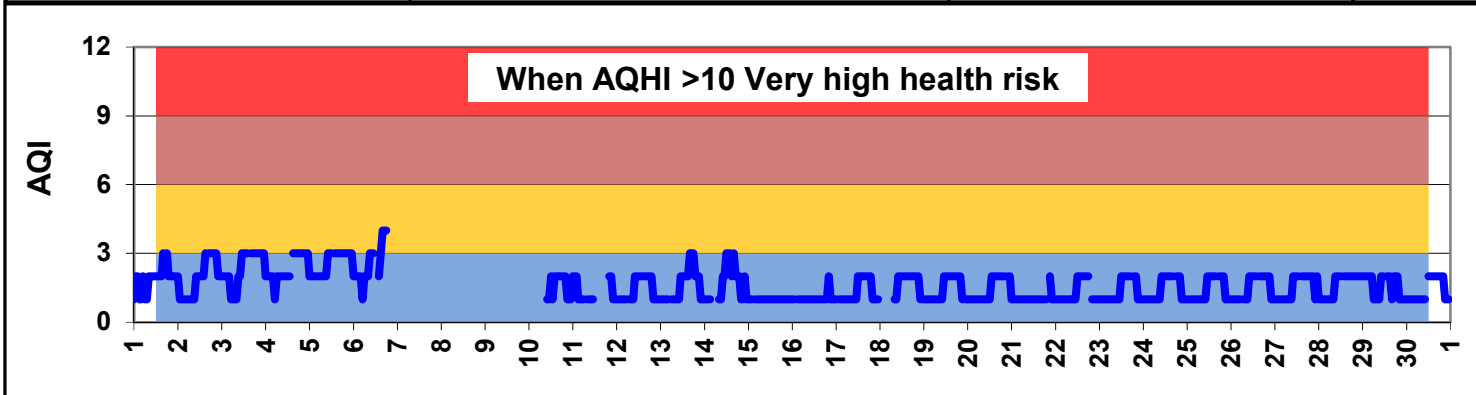
The station was calibrated on June 8, 2019

Instruments uptime remained >90% for the month

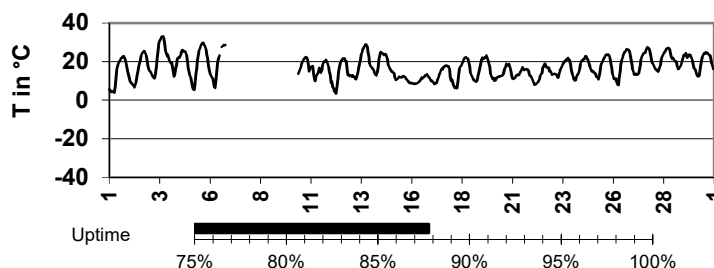
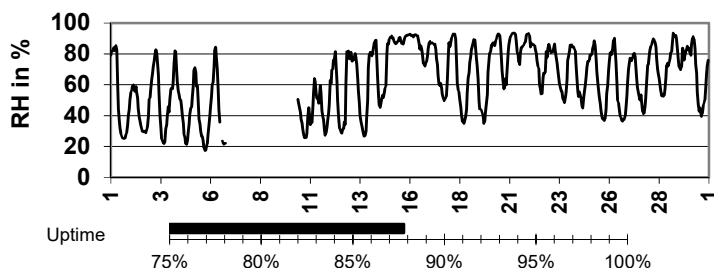
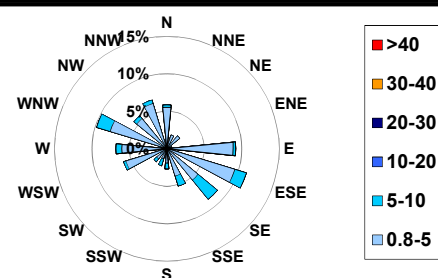
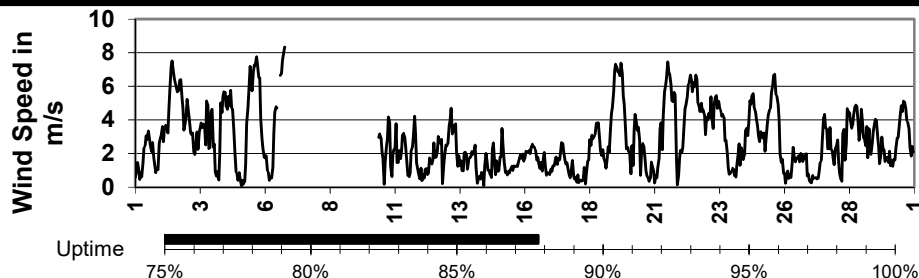
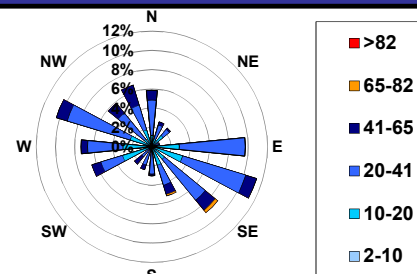
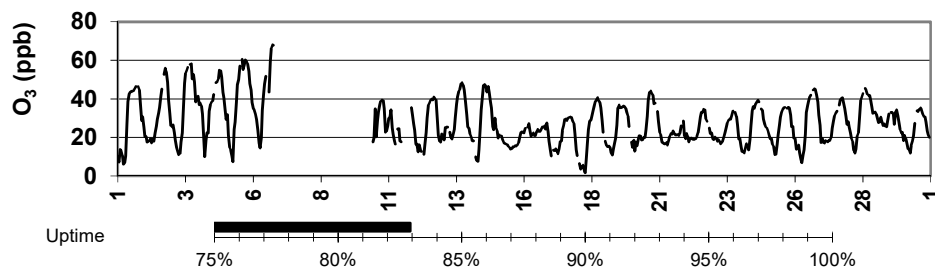
Data showed a low to moderate Air Quality Health Index for the month.

SESAA - June 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)	0.7	18.1%	15.8	-	Jun-05 06:00	1.4	-	Jun-05	- / -
NO ₂ (ppb)	5.2	18.1%	18.9	159	Jun-05 06:00	6.1	106	Jun-05	0 / 0
NO _x (ppb)	5.9	18.1%	34.7	-	Jun-05 06:00	7.5	-	Jun-05	- / -
SO ₂ (ppb)	0.9	79.4%	18.2	172	Jun-30 09:00	3.6	-	Jun-25	0 / 0
H ₂ S (ppb)	0.6	79.4%	42.2	11	Jun-04 23:00	6.1	3.6	Jun-05	7 / 2
O ₃ (ppb)	27.7	82.9%	68.1	82	Jun-06 17:00	37.9	63	Jun-05	0 / 0
PM _{2.5} (µg/m ³)									



SESAA - June 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
6/4/2019 23:00	9.9	1.9	42.2	34.0	-	0.4	351.5	14.4	40.7

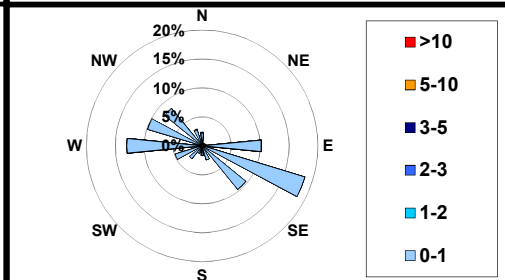
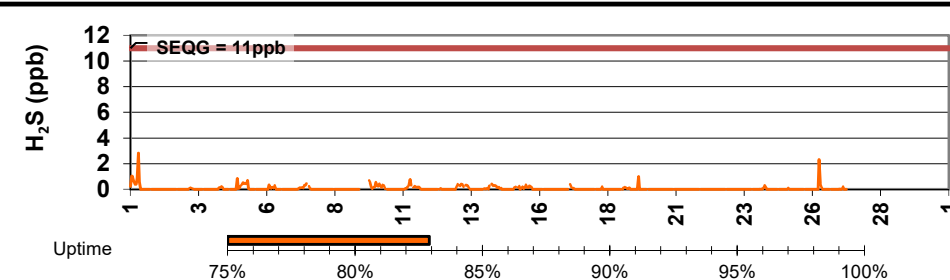
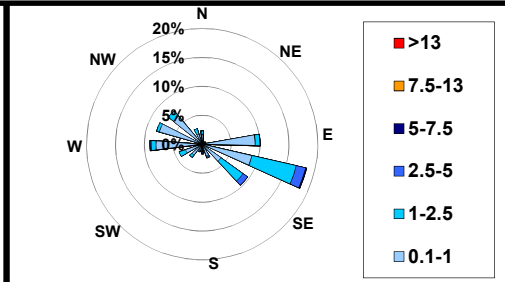
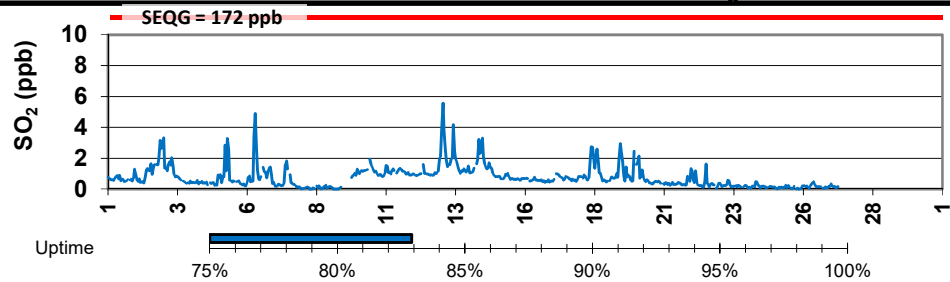
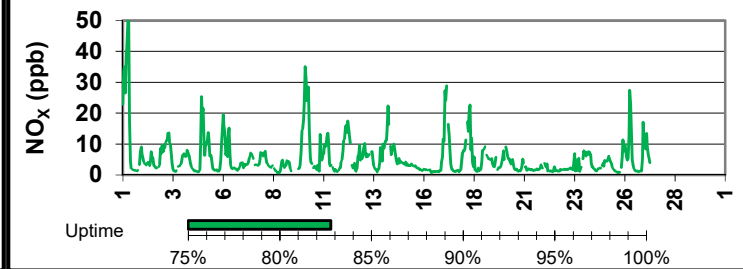
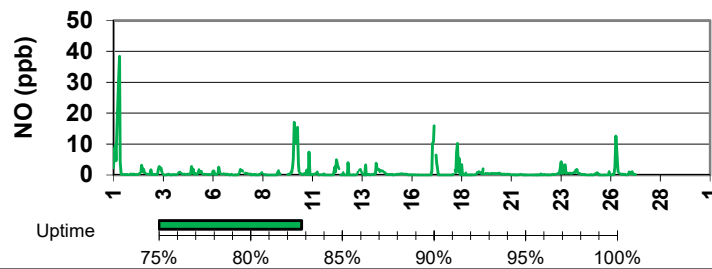
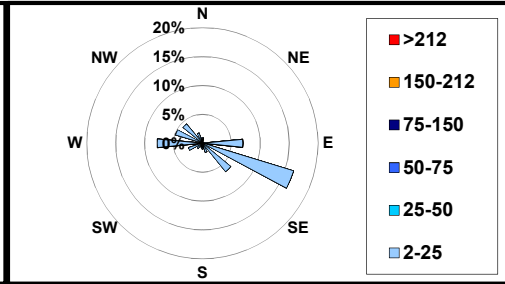
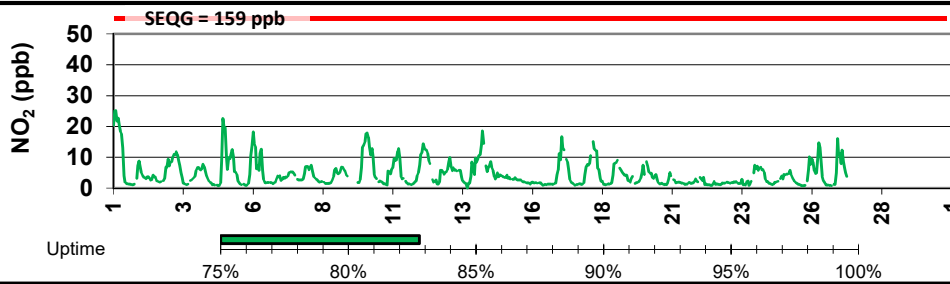
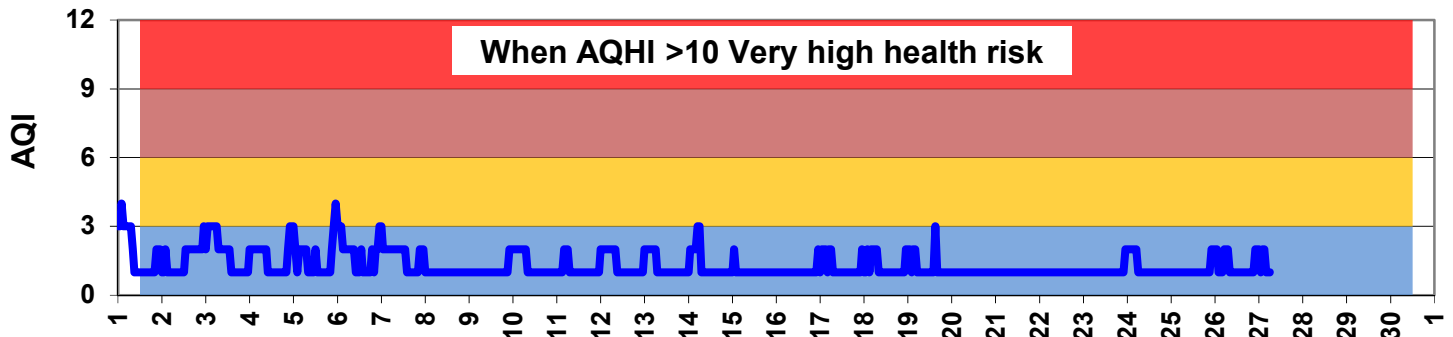
Update Summary:

There were elevated readings on June 4, 2019 that lead to seven hourly and two 24-hr exceedances of hydrogen sulphide the maximum hydrogen sulphide was during low winds
 The nitrogen dioxide (NO/NOx) analyzer failed and was removed for service
 The station was shut down for maintenance, then a calibration was performed on June 11

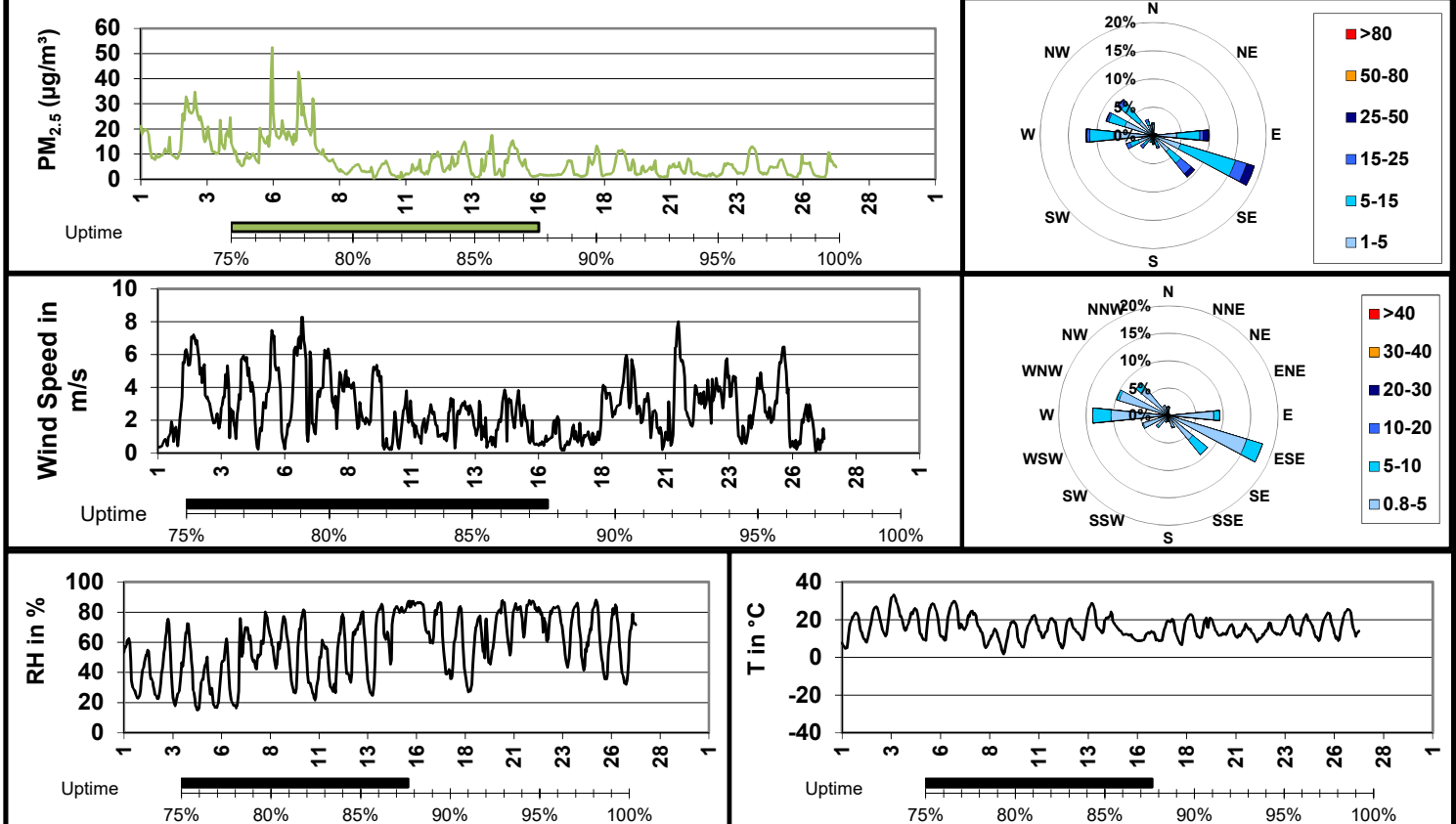
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of PM_{2.5})

SESAA - June 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)	0.9	82.8%	38.4	-	Jun-01 07:00	5.8	-	Jun-01	- / -
NO ₂ (ppb)	4.7	82.8%	25.2	159	Jun-01 02:00	9.4	106	Jun-01	0 / 0
NO _x (ppb)	5.6	82.8%	56.2	-	Jun-01 07:00	15.3	-	Jun-01	- / -
SO ₂ (ppb)	0.8	82.9%	5.6	172	Jun-13 01:00	2.0	-	Jun-13	0 / 0
H ₂ S (ppb)	0.1	82.9%	2.8	11	Jun-01 07:00	0.3	3.6	Jun-01	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	7.7	87.6%	52.3	-	Jun-05 23:00	19.3	30	Jun-06	- / 0



SESAA - June 2019 Stoughton Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
6/1/2019 7:00	17.6	0.8	2.8	-	17.9	0.8	346.7	7.3	60.2

Update Summary:

There were no exceedances in the month of June 2019

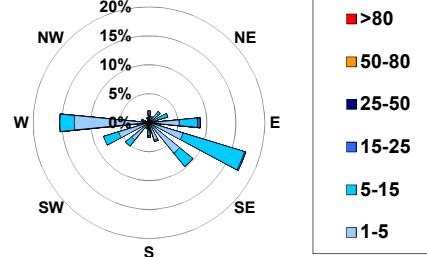
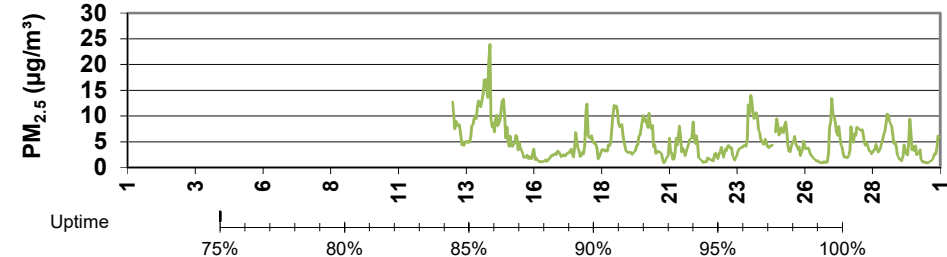
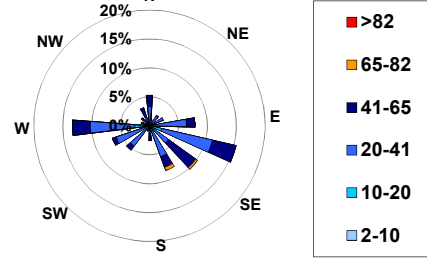
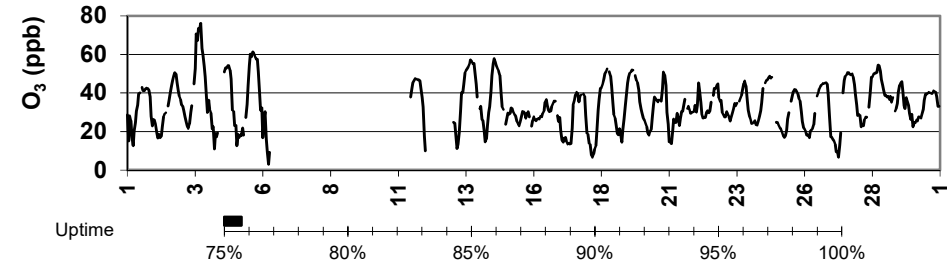
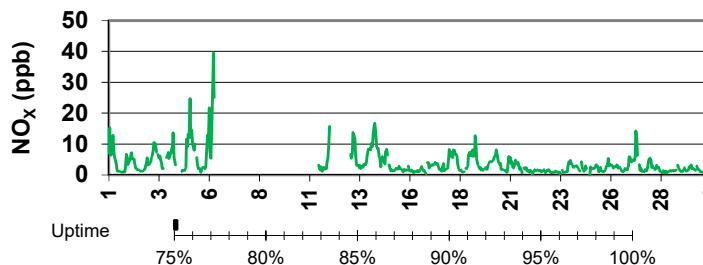
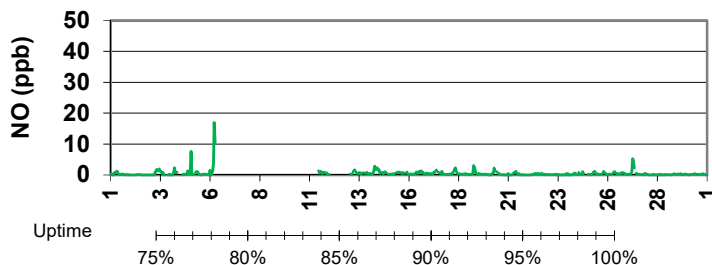
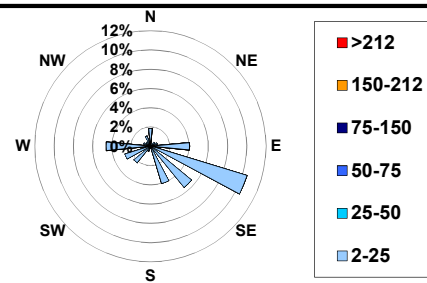
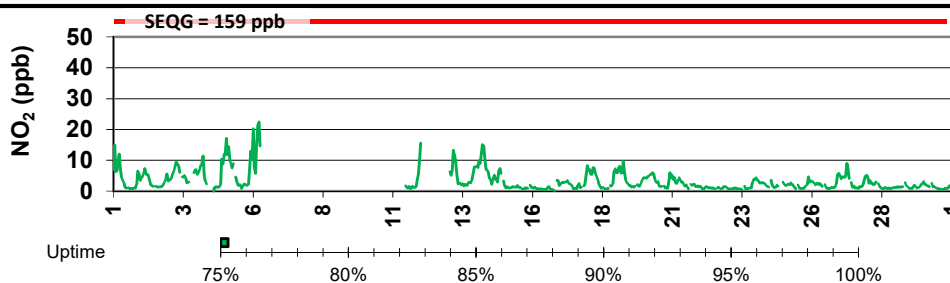
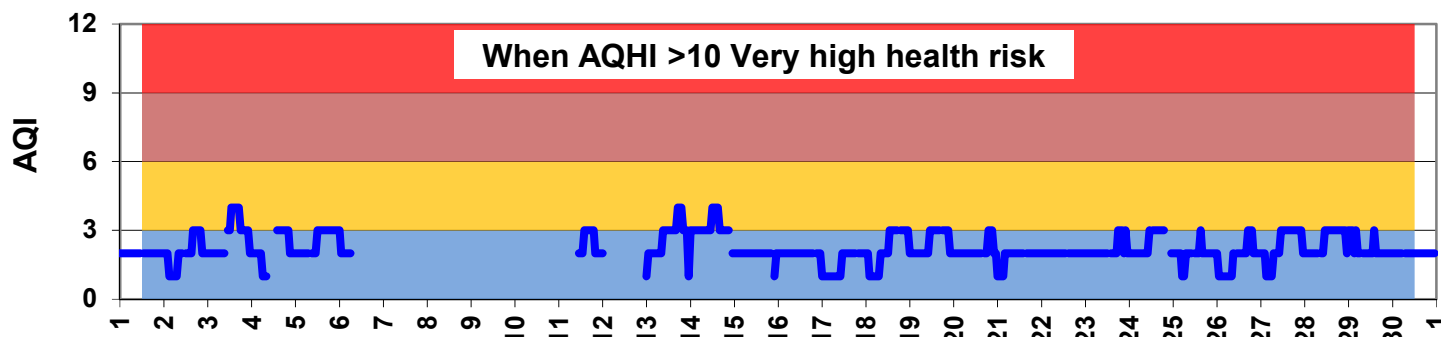
The station calibration was conducted on June 9, 2019

An electrical storm knocked out the station on June 27, 2019 fuse was melted and additional electrical work is required

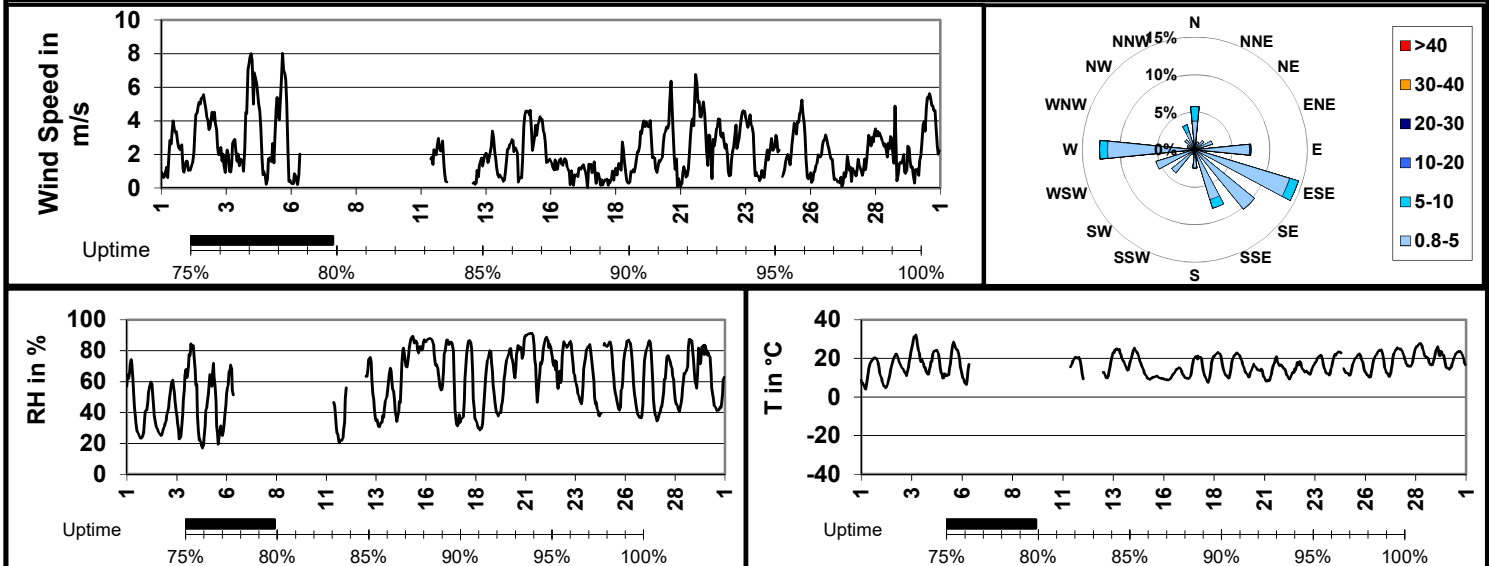
Data showed a low Air Quality Health Index (AQHI) for the month (in the absence of ozone)

SESAA - June 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)	0.5	75.0%	17.0	-	Jun-06 05:00	1.5	-	Jun-06	- / -
NO ₂ (ppb)	3.2	75.3%	22.4	159	Jun-06 05:00	6.7	106	Jun-14	0 / 0
NO _x (ppb)	3.7	75.1%	39.4	-	Jun-06 05:00	7.7	-	Jun-14	- / -
O ₃ (ppb)	33.5	75.7%	76.1	82	Jun-03 17:00	43.0	63	Jun-03	0 / 0
PM _{2.5} (µg/m ³)	4.9	59.7%	23.9	-	Jun-14 09:00	12.1	30	Jun-14	- / 0



SESAA - June 2019 Esterhazy Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
6/14/2018 9:00	6.7	-	-	32.9	23.9	2.4	100.5	19.1	53.9

Update Summary:

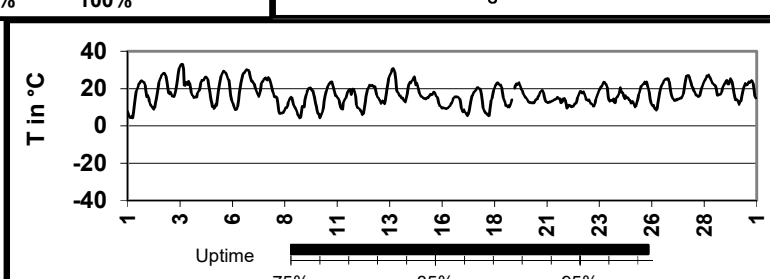
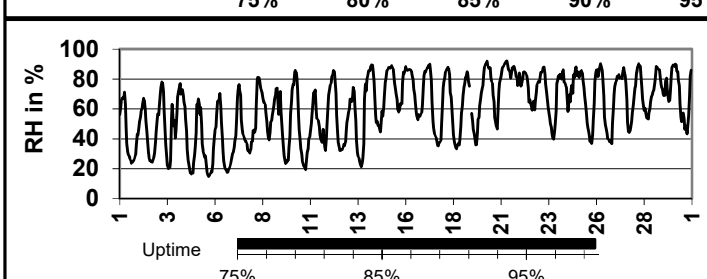
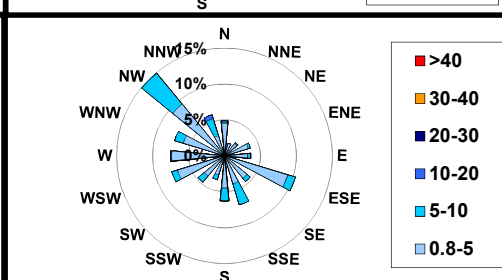
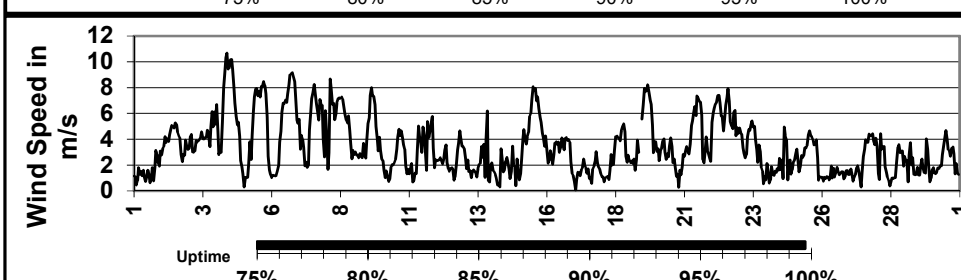
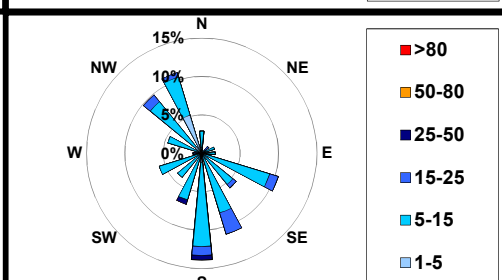
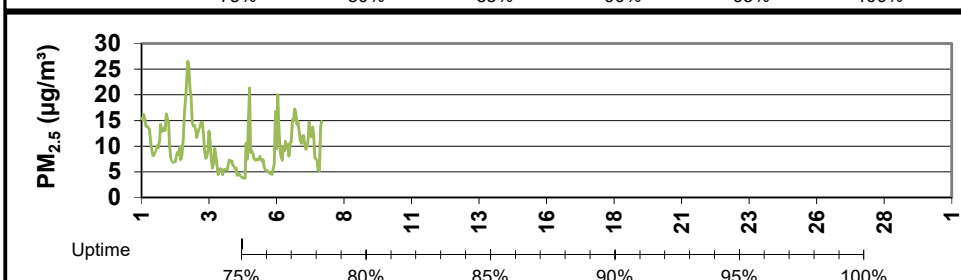
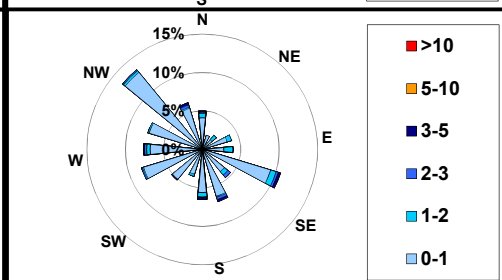
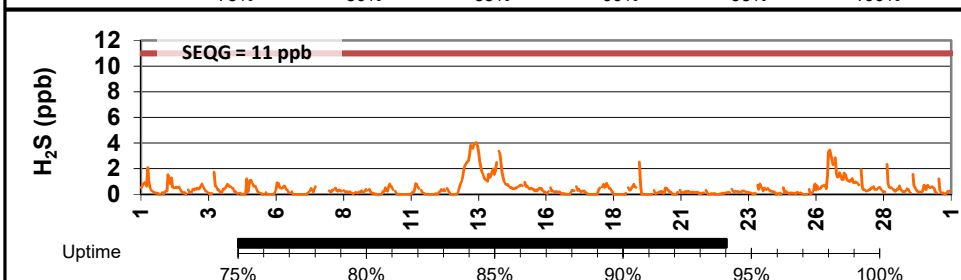
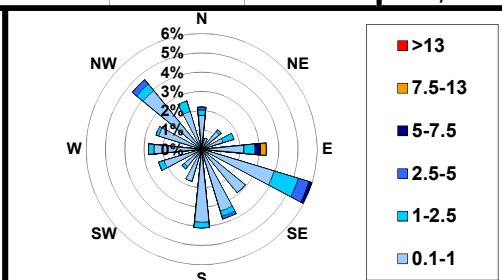
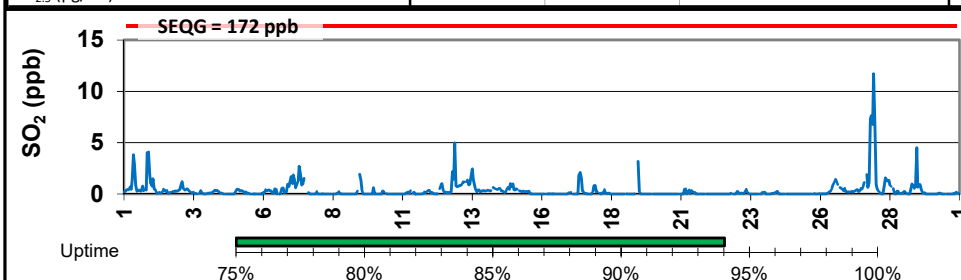
There were no exceedances for the month of June 2019;

Esterhazy was shut-down June 4, 2019 following calibration
Station was moved and was start-up calibrated June 12, 2019

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

SESAA - June 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	95.1%	11.7	172	Jun-27 22:00	2.1	48	Jun-27	0 / 0
H ₂ S (ppb)	0.4	94.0%	4.0	11	Jun-13 10:00	2.3	4	Jun-13	0 / 0
PM _{2.5} (µg/m ³)	10.1	22.5%	26.6	-	PM2.5	13.2	30	Jun-02	- / 0



Update Summary:

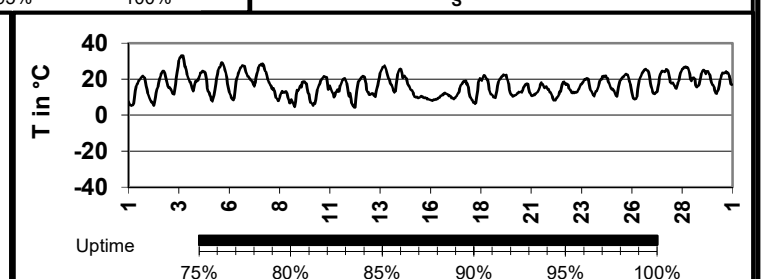
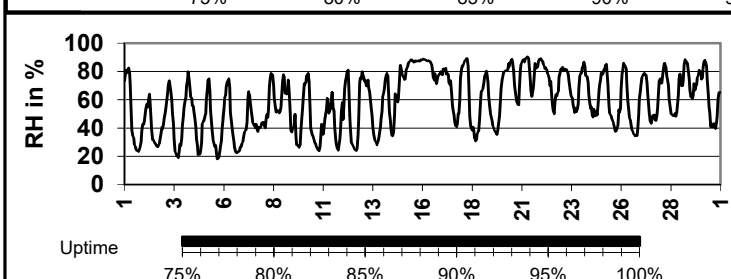
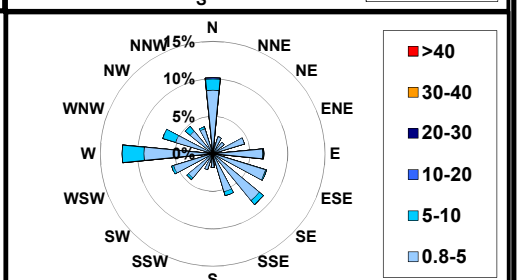
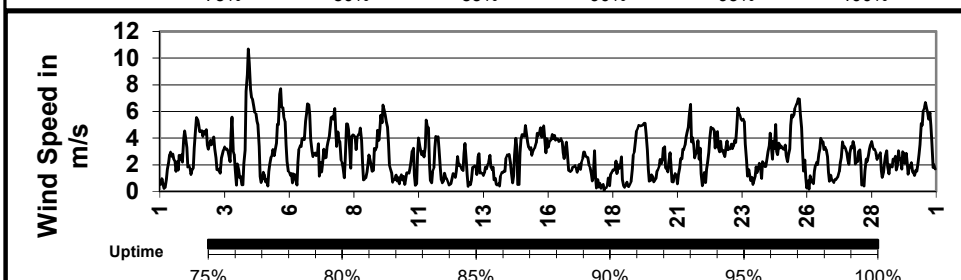
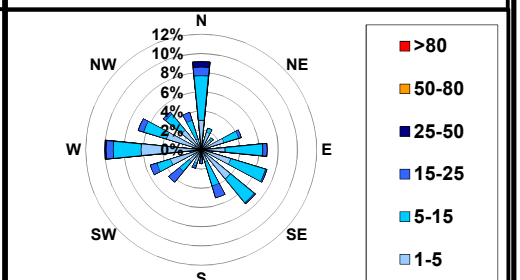
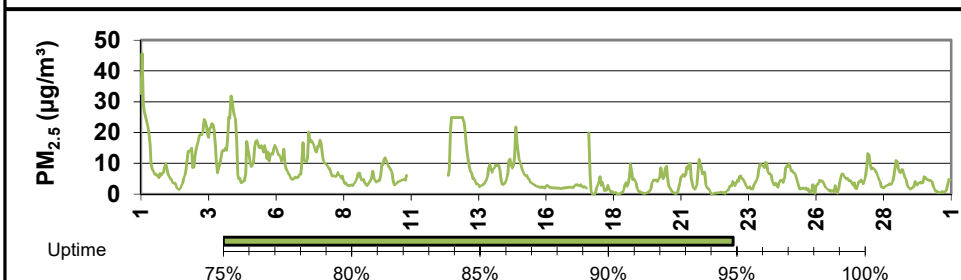
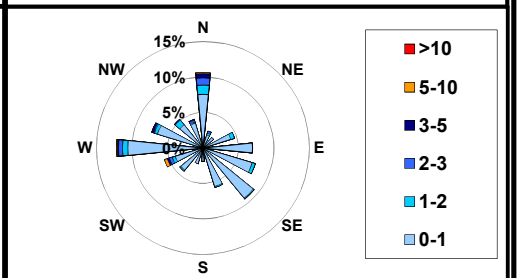
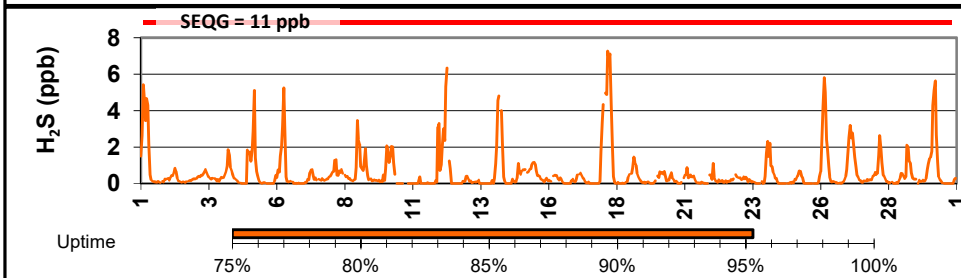
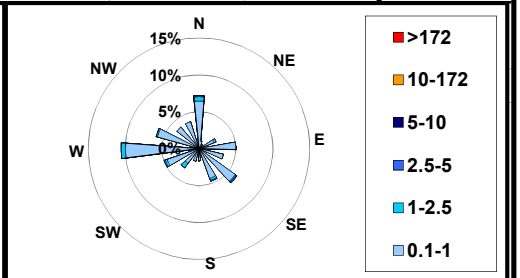
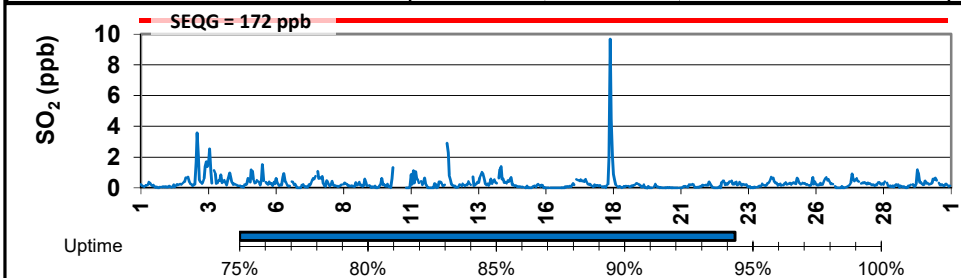
There was no exceedance in the month of June 2019

The Station was calibrated on June 7, 2019

The SHARP experienced issues during calibration and was shut down for servicing

SESAA - June 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)	0.3	94.3%	9.7	172	Jun-18 09:00	1.0	-	Jun-03	0 / 0
H ₂ S (ppb)	0.6	95.3%	7.3	11	Jun-18 04:00	1.8	3.6	Jun-18	0 / 0
PM _{2.5} (µg/m ³)	6.8	94.9%	45.6	-	Jun-01 01:00	17.4	30	Jun-03	- / 0



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
6/1/2019 1:00	-	0.1	7.3	-	45.6	0.5	297.8	6.2	78.3

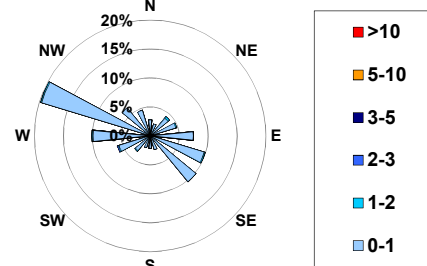
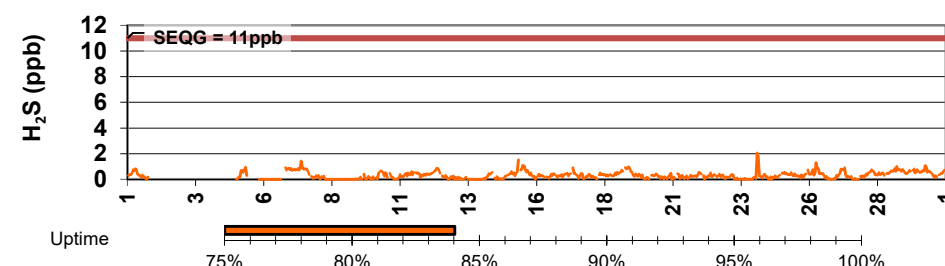
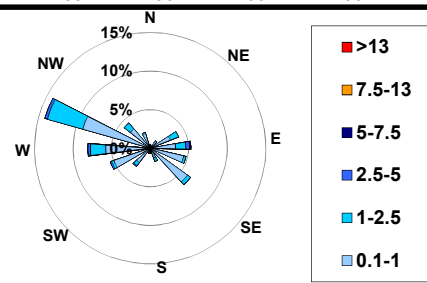
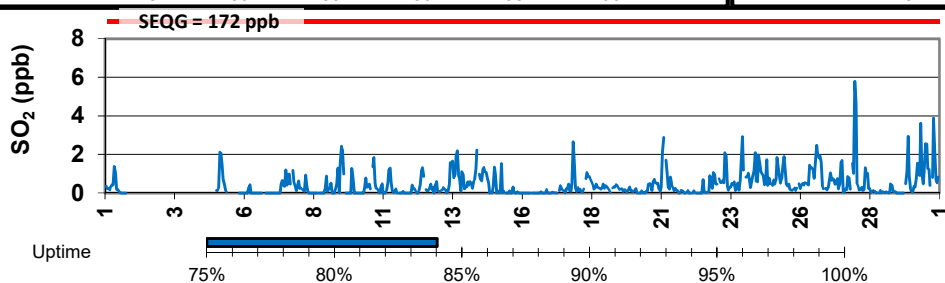
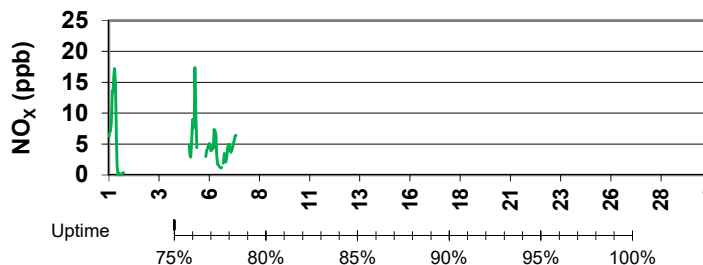
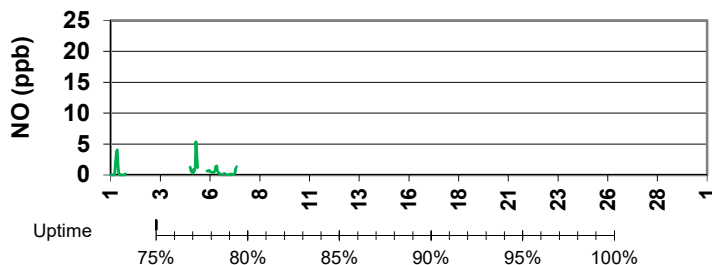
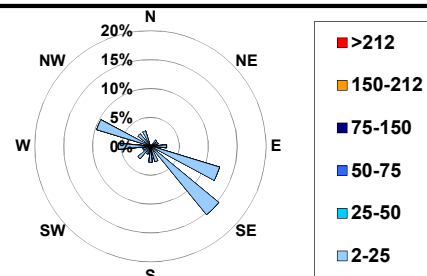
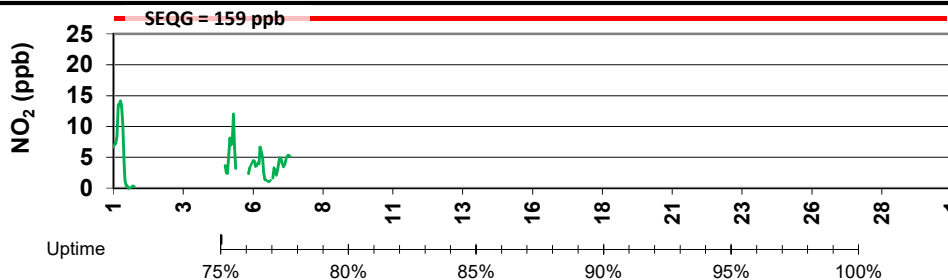
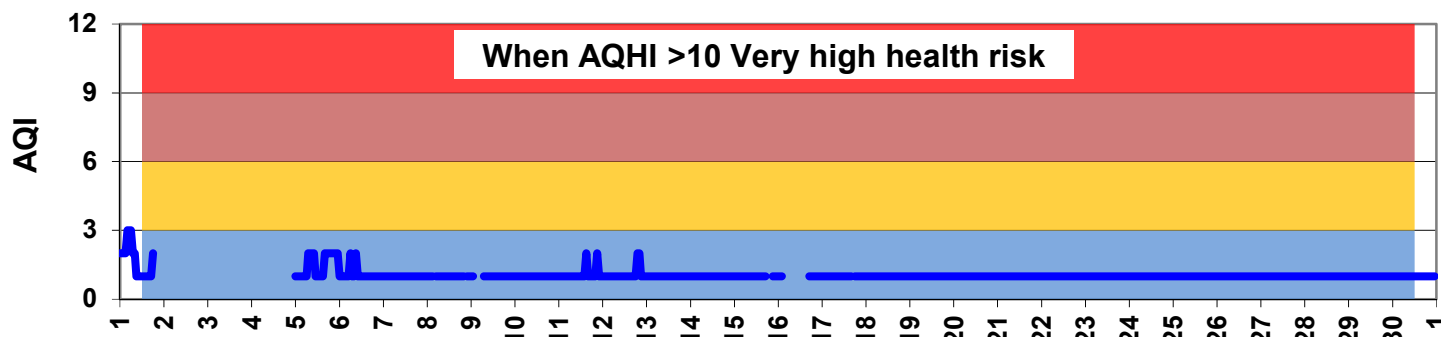
Update Summary:

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

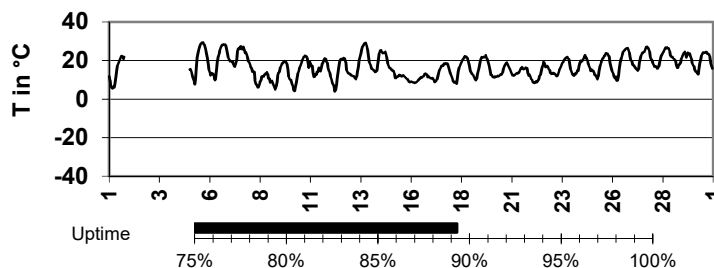
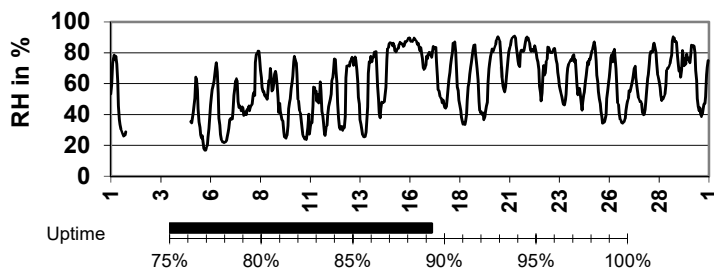
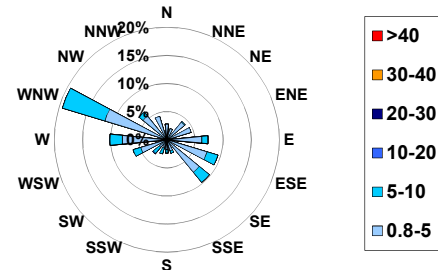
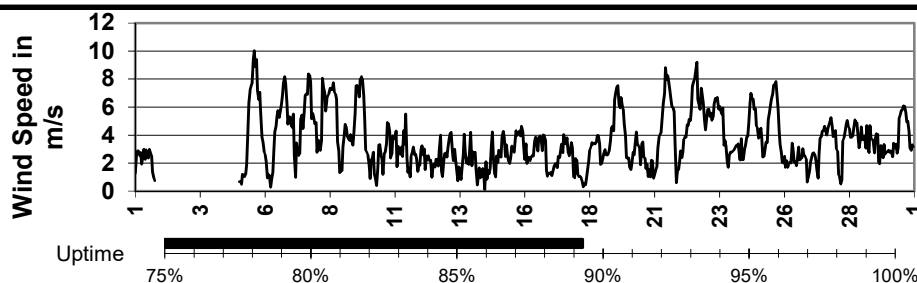
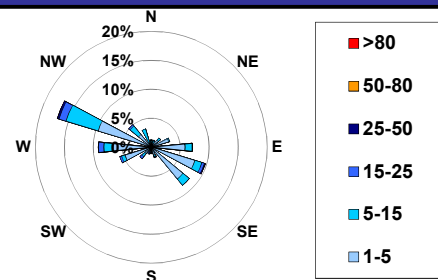
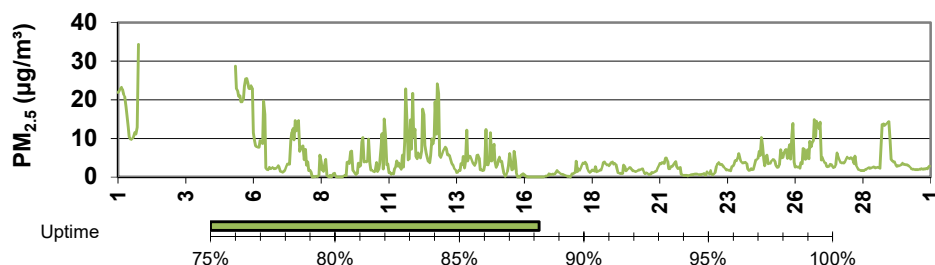
All instruments remained >94% uptime.

SESAA - June 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)	0.6	9.0%	5.4	-	Jun-05 07:00	0.7	-	Jun-05	- / -
NO ₂ (ppb)	4.4	9.0%	14.1	159	Jun-01 06:00	4.2	106	Jun-01	0 / 0
NO _x (ppb)	5.0	9.0%	17.4	-	Jun-05 07:00	4.7	-	Jun-01	- / -
SO ₂ (ppb)	0.5	84.0%	5.8	172	Jun-27 23:00	0.9	-	Jun-26	0 / 0
H ₂ S (ppb)	0.3	84.0%	2.0	11	Jun-24 02:00	0.6	3.6	Jun-29	0 / 0
O ₃ (ppb)									
PM _{2.5} (µg/m ³)	4.6	88.2%	34.3	-	Jun-01 18:00	15.3	30	Jun-05	- / 0



SESAA - June 2019 Oxbow Station Report



Elevated Reading Summary

Date	NO ₂	SO ₂	H ₂ S	O ₃	PM _{2.5}	WS	WD	Temp	RH
6/24/2019 2:00	0.0	0.8	2.0	-	3.7	3.0	248.5	12.2	75.7

Update Summary:

There were no exceedance in the month of June 2019

The calibration was conducted on June 5 and 6, 2019

The nitrogen dioxide (NO₂/NO_x) analyzer was removed and sent to manufacturer for servicing