

SESAA - March 2020 Esterhazy Station Report

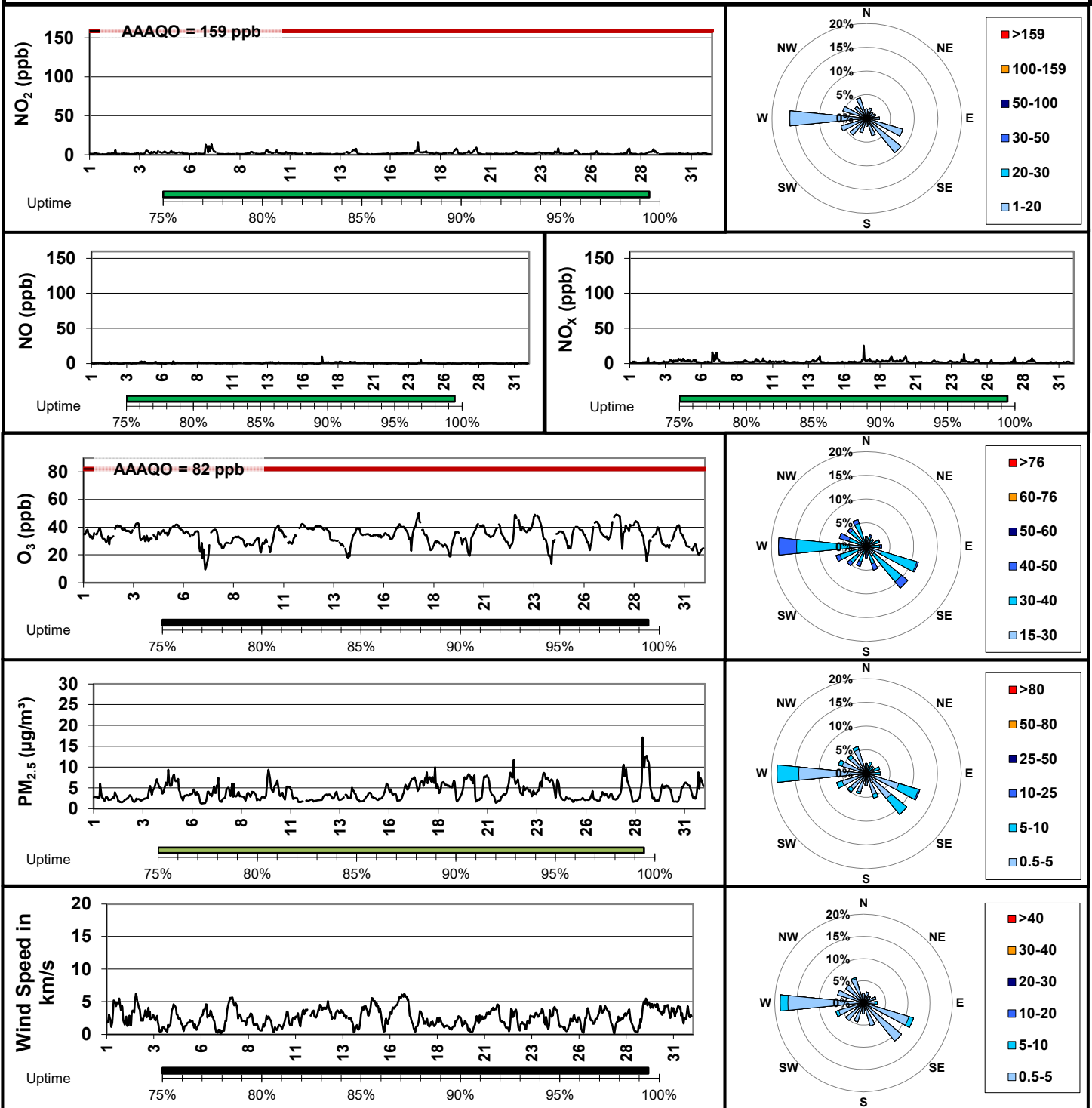
Parm	Average	Operational	1-hour			8-hr / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.5	99%	9.1	-	Mar-17 09:00	1.2	-	Mar-18	- / -
NO ₂ (ppb)	2.0	99%	16.3	159	Mar-17 09:00	3.6	106	Mar-17	0 / 0
NO _x (ppb)	2.4	99%	25.4	-	Mar-17 09:00	4.6	-	Mar-17	- / -
O ₃ (ppb)	33.8	99%	50.1	82	Mar-17 18:00	48.4	63	Mar-27	0 / 0
PM _{2.5} (µg/m ³)	4.0	99%	17.1	-	Mar-28 21:00	6.3	28	Mar-17	- / 0

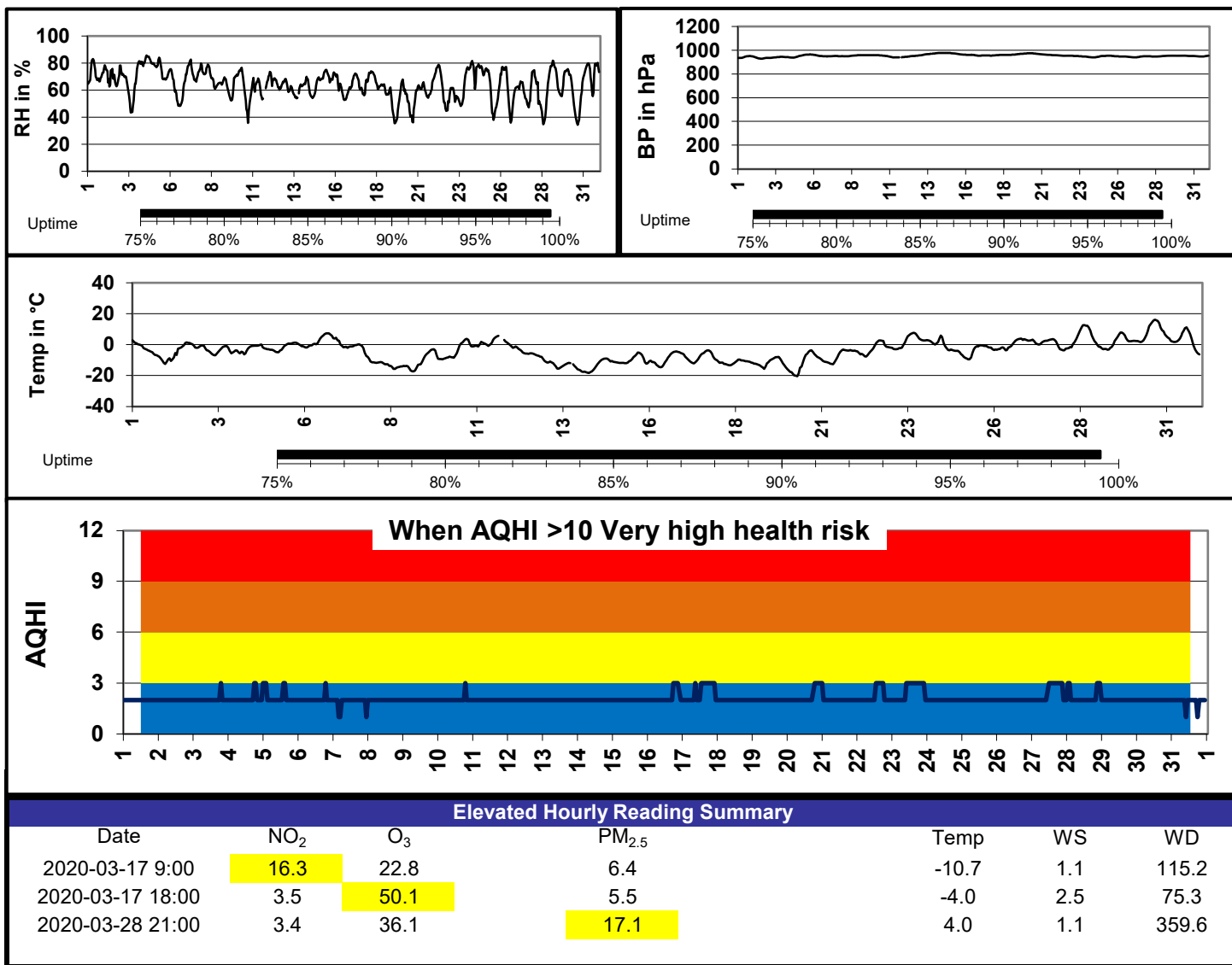
Update Summary - Data for the month showed a predominate low AQHI

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibrations were not able to be completed in March, but performed early April





SESAA - March 2020 Glen Ewen Station Report

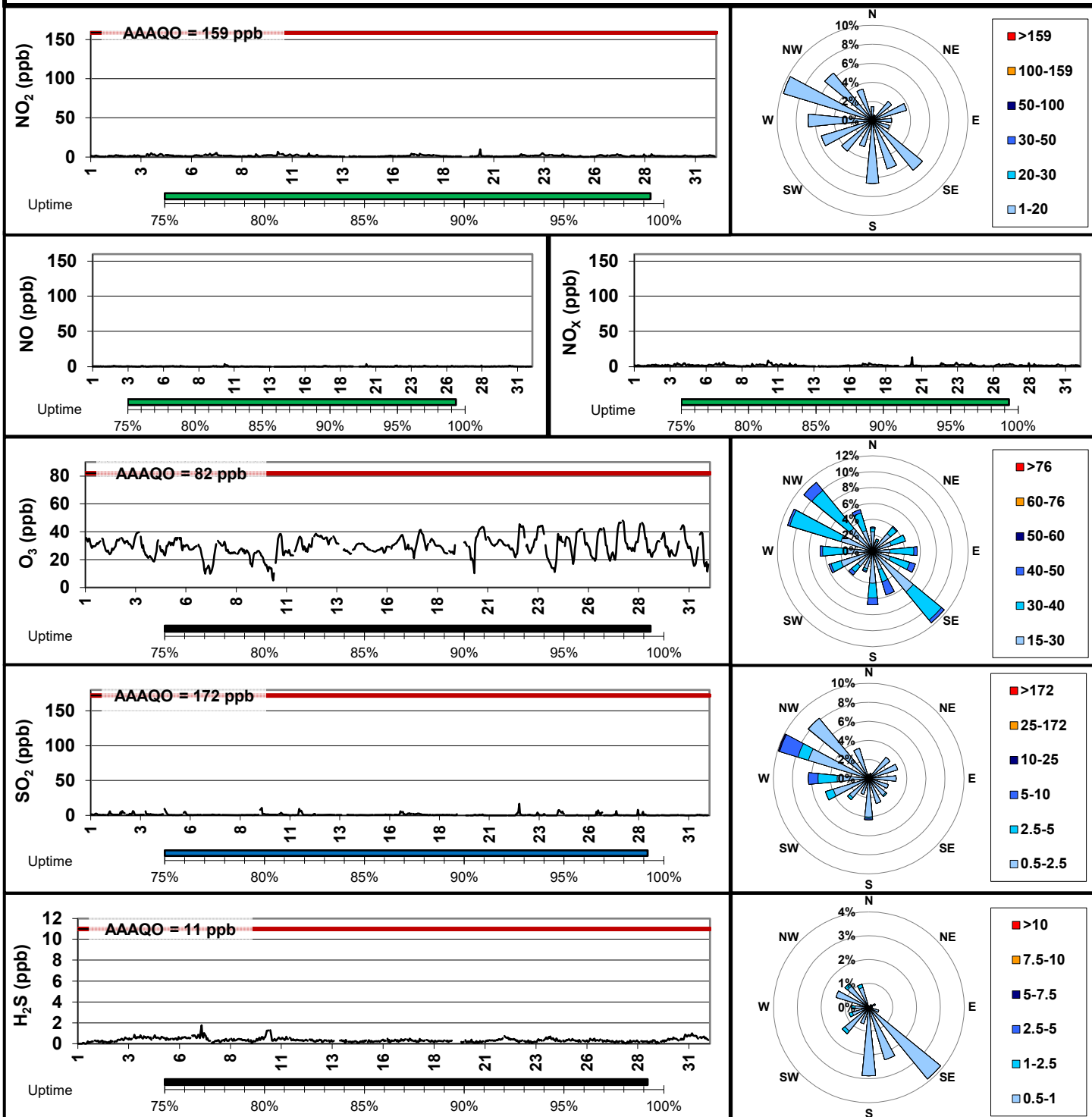
Parm	Average	Operational	1-hour			8-hr / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	99%	3.6	-	Mar-10 08:00	0.6	-	Mar-10	- / -
NO ₂ (ppb)	1.6	99%	9.9	159	Mar-20 08:00	2.7	106	Mar-10	0 / 0
NO _x (ppb)	1.8	99%	13.3	-	Mar-20 08:00	3.2	-	Mar-10	- / -
O ₃ (ppb)	29.4	99%	48.1	82	Mar-27 17:00	45.9	63	Mar-27	0 / 0
SO ₂ (ppb)	1.0	99%	16.7	172	Mar-22 12:00	2.0	48	Mar-09	0 / 0
H ₂ S (ppb)	0.4	99%	1.8	11	Mar-07 02:00	0.6	4	Mar-31	0 / 0

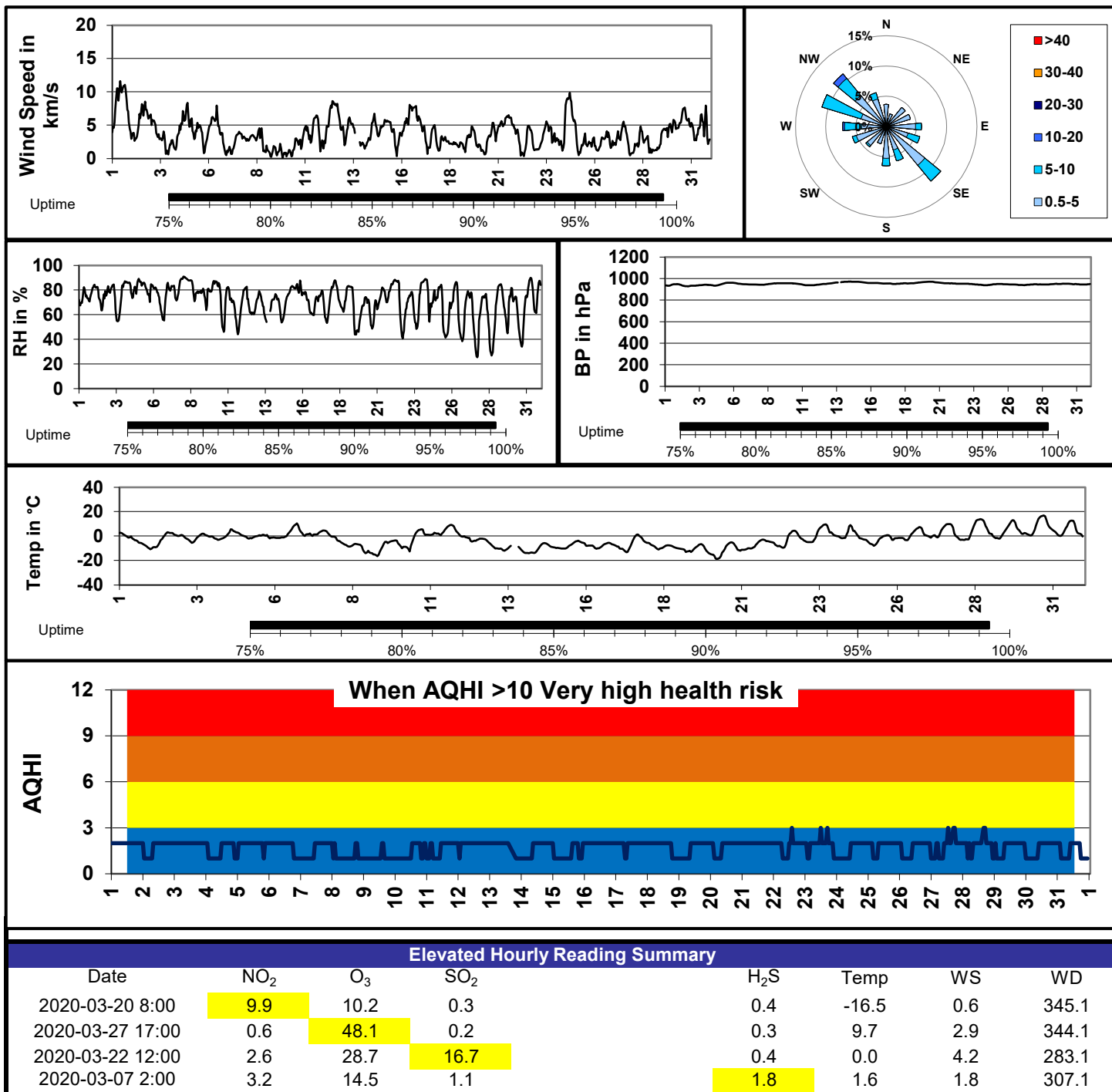
Update Summary - Data for the month showed a predominate low AQHI in the absence of fine particulate matter

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibration at the station was conducted on March 19, 2020





SESAA - March 2020 Oxbow Station Report

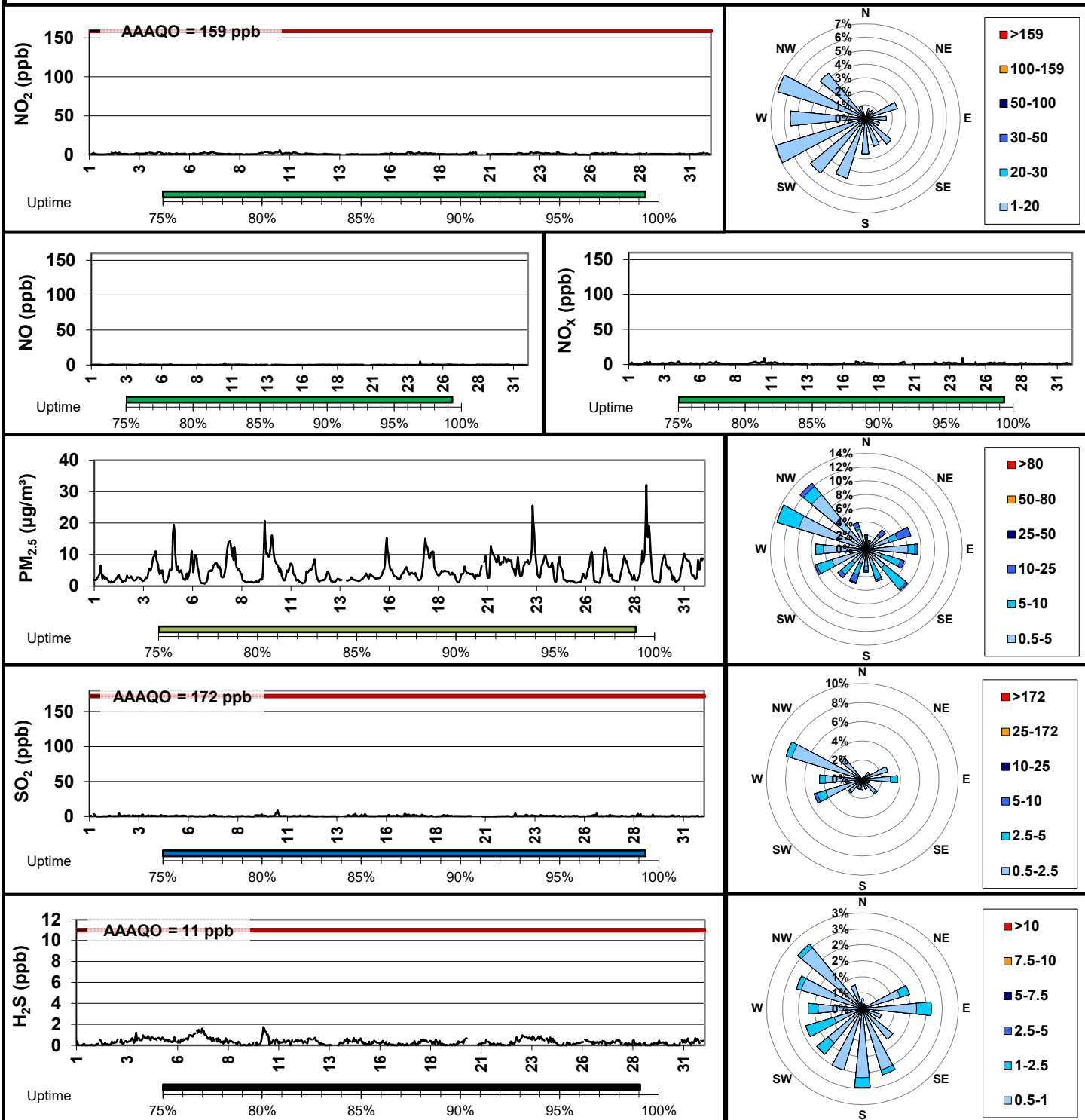
Parm	Average	Operational	1-hour			24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	99%	5.2	-	Mar-24 09:00	0.5	-	Mar-10	- / -
NO ₂ (ppb)	1.2	99%	6.1	159	Mar-10 12:00	2.4	106	Mar-10	0 / 0
NO _x (ppb)	1.3	99%	9.4	-	Mar-24 09:00	2.9	-	Mar-10	- / -
PM _{2.5} (µg/m ³)	4.8	99%	32.1	-	Mar-29 02:00	8.9	28	Mar-23	- / 0
SO ₂ (ppb)	0.6	99%	8.8	172	Mar-10 12:00	1.4	48	Mar-10	0 / 0
H ₂ S (ppb)	0.3	99%	1.7	11	Mar-10 06:00	0.9	4	Mar-07	0 / 0

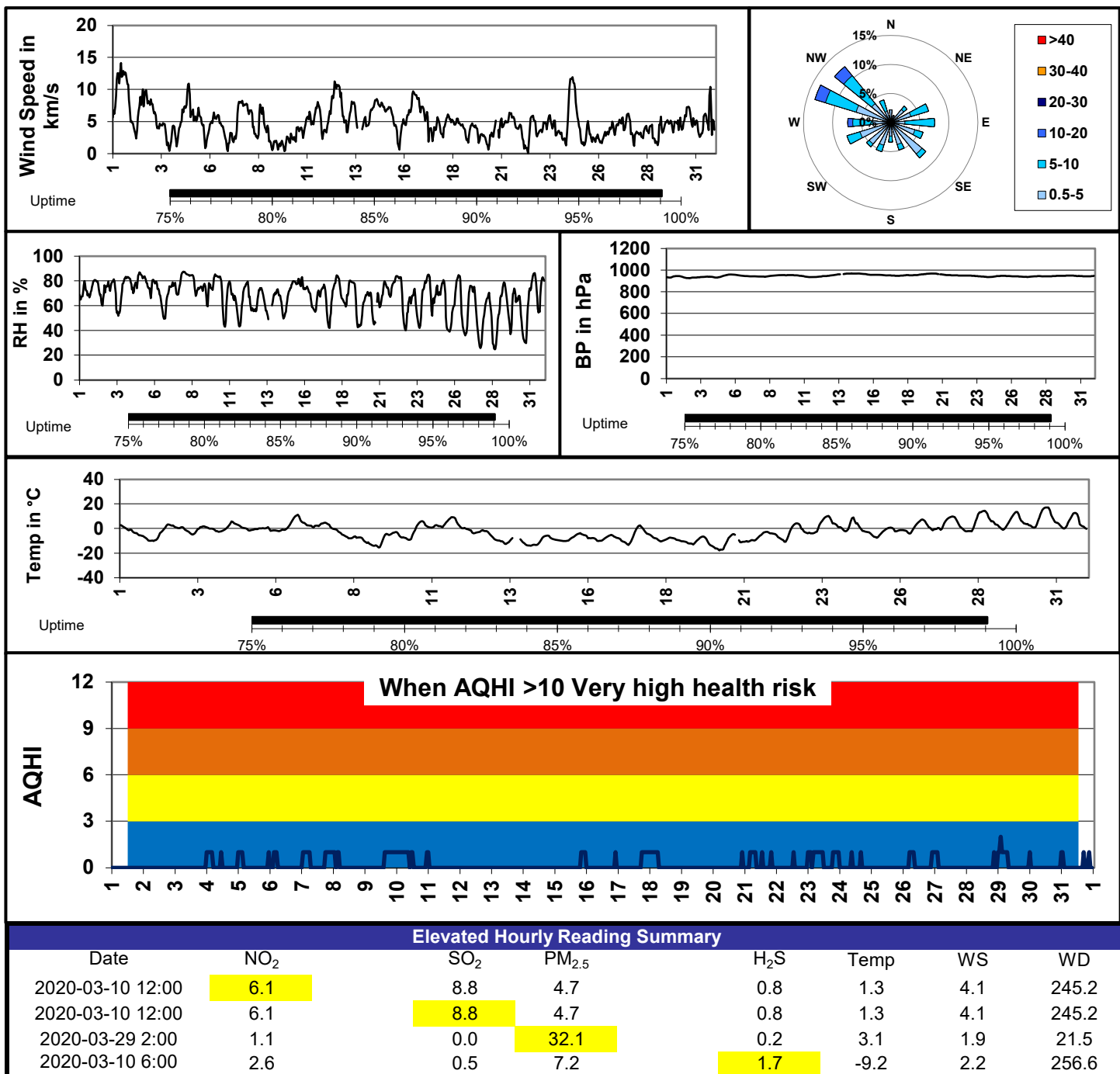
Update Summary - Data for the month showed a predominate low AQHI in the absence of ozone

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibration at the station was conducted on March 20, 2020





SESAA - March 2020 Stoughton Station Report

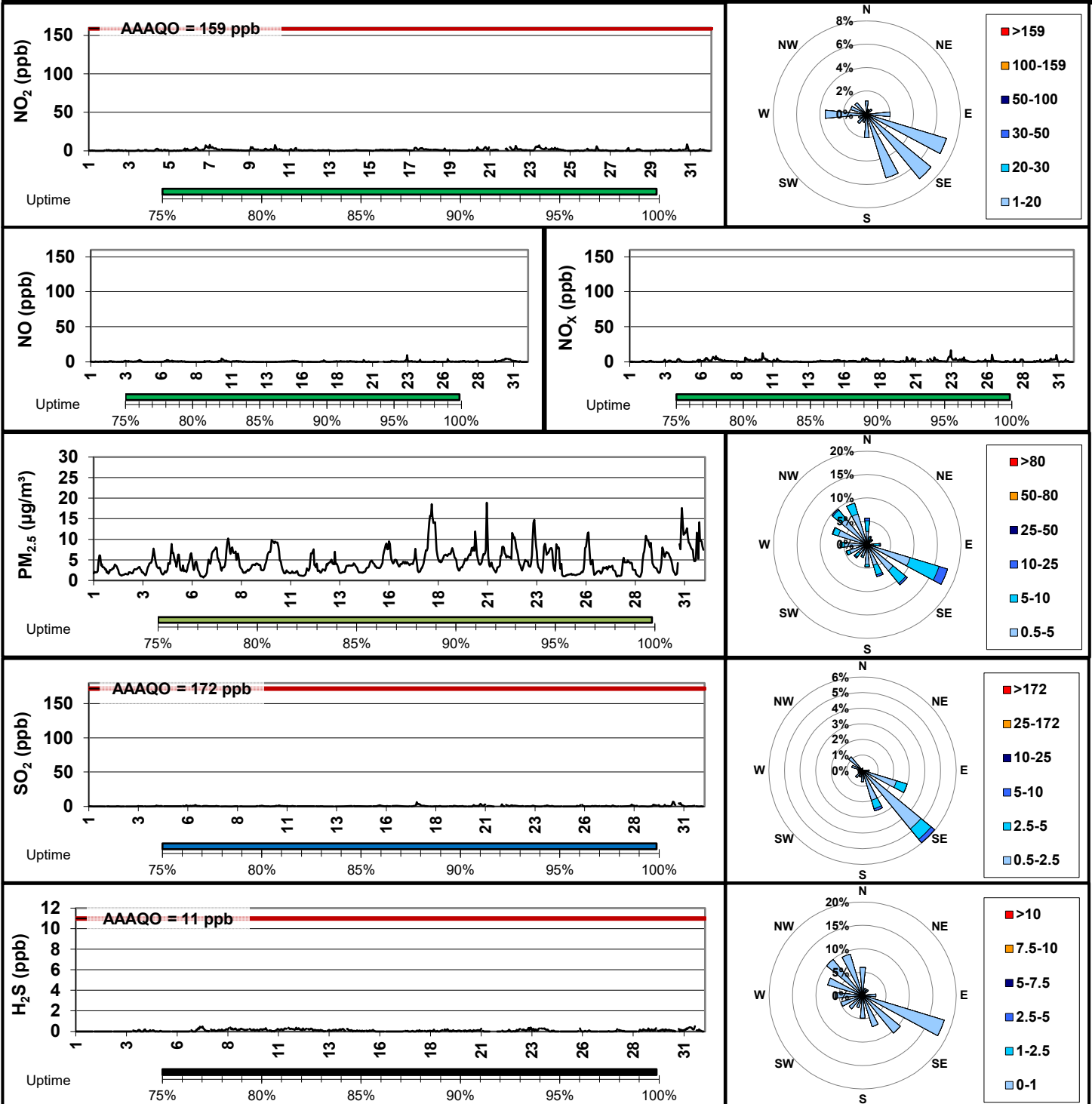
Parm	Average	Operational	1-hour			24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.5	100%	9.5	-	Mar-23 11:00	2.5	-	Mar-30	- / -
NO ₂ (ppb)	1.0	100%	8.5	159	Mar-30 20:00	2.6	106	Mar-23	0 / 0
NO _x (ppb)	1.4	100%	16.5	-	Mar-23 11:00	3.7	-	Mar-23	- / -
PM _{2.5} (µg/m³)	4.5	100%	18.9	-	Mar-20 23:00	9.2	28	Mar-18	- / 0
SO ₂ (ppb)	0.3	100%	7.0	172	Mar-30 11:00	1.9	48	Mar-30	0 / 0
H ₂ S (ppb)	0.1	100%	0.5	11	Mar-31 13:00	0.2	4	Mar-11	0 / 0

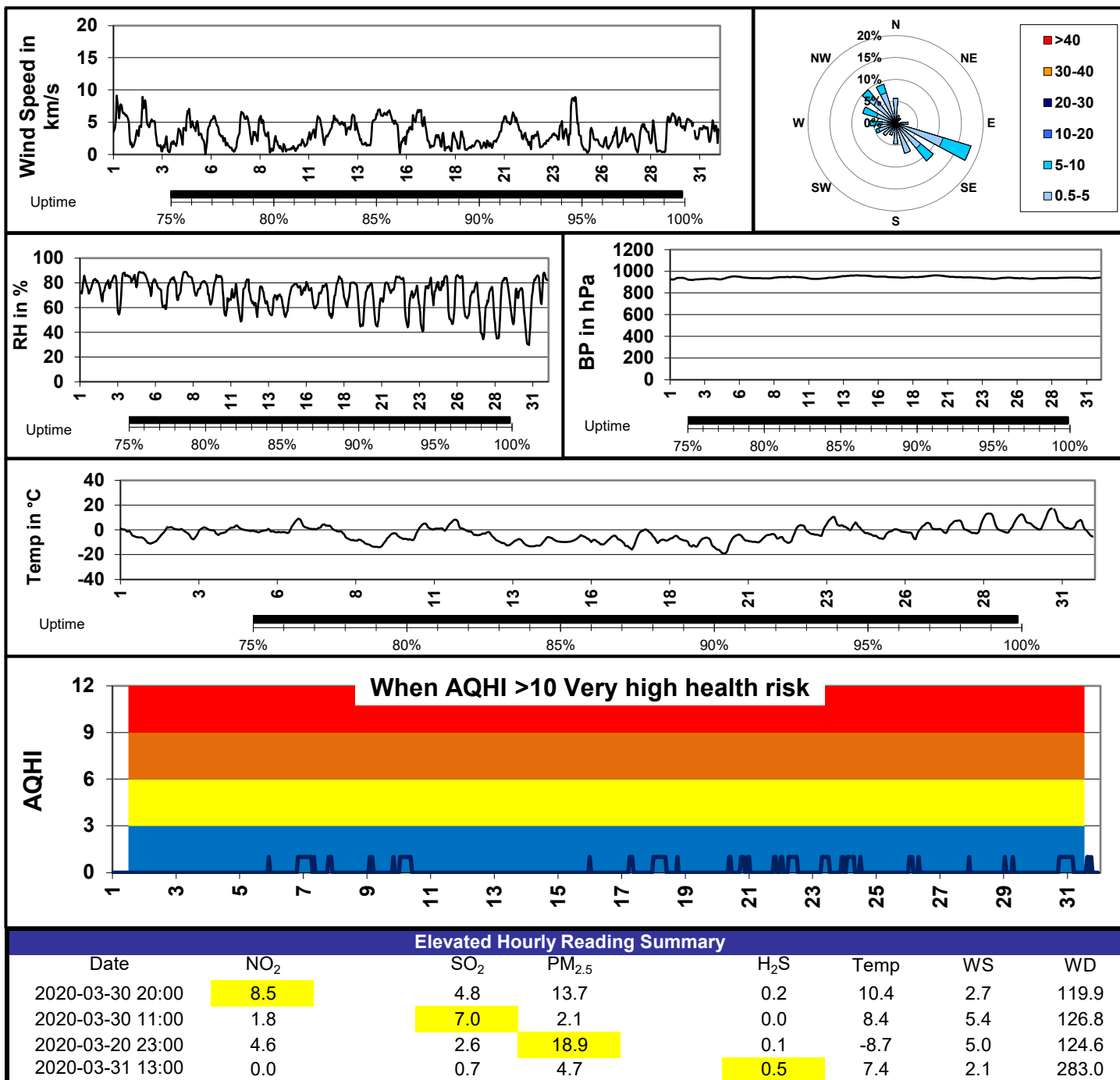
Update Summary - Data for the month showed a predominate low AQHI in the absence of ozone

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibration at the station was conducted on March 21, 2020





SESAA - March 2020 Torquay Station Report

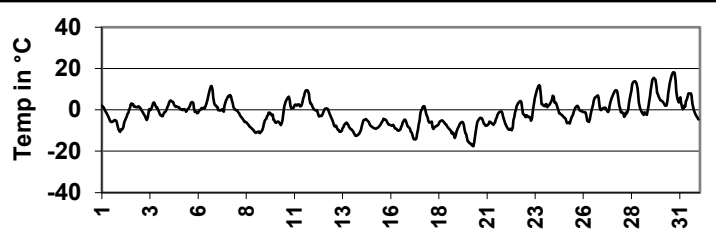
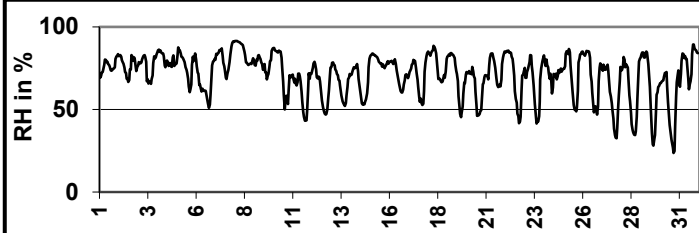
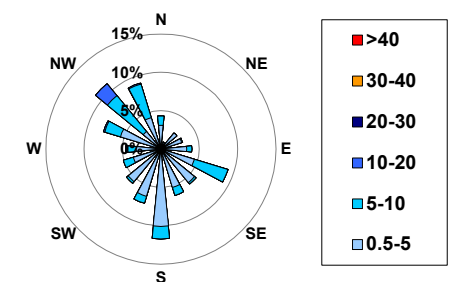
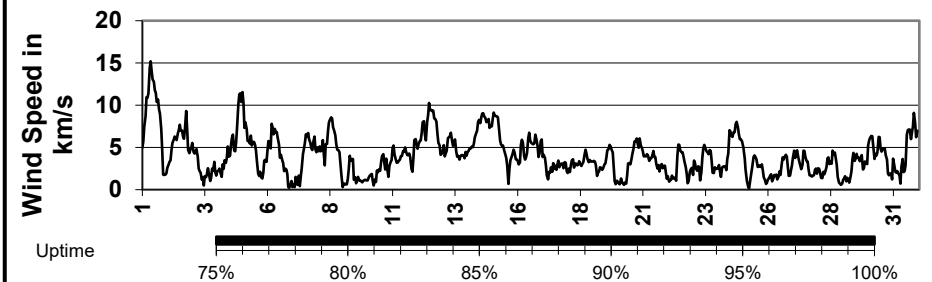
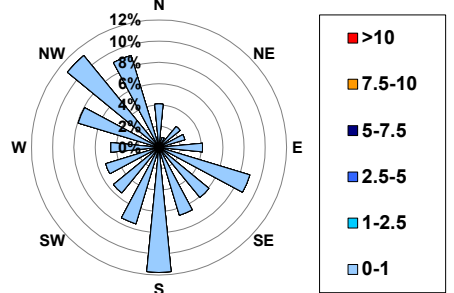
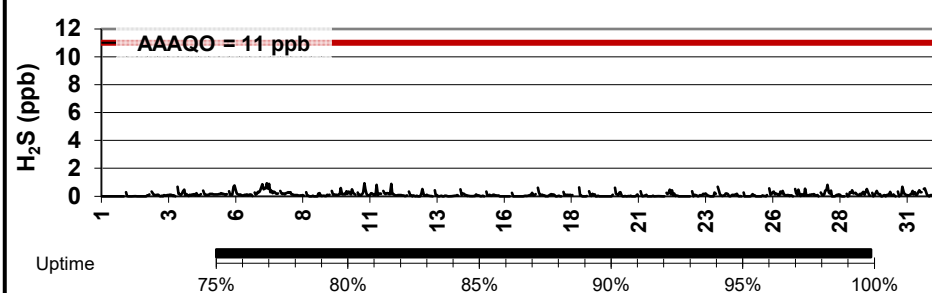
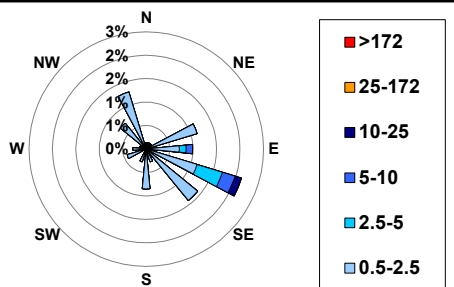
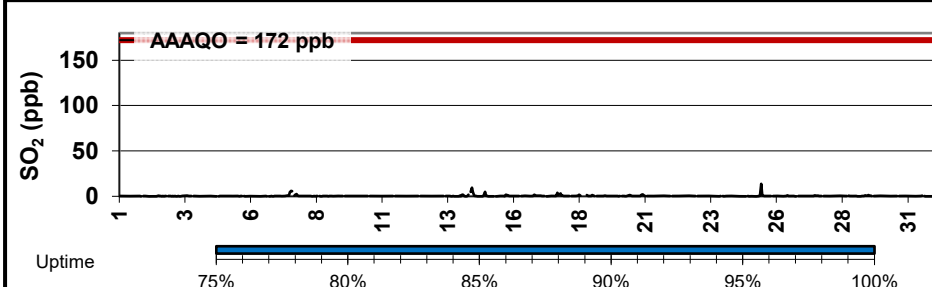
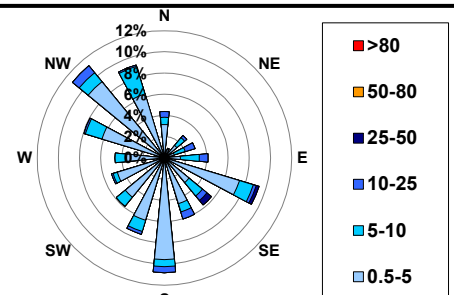
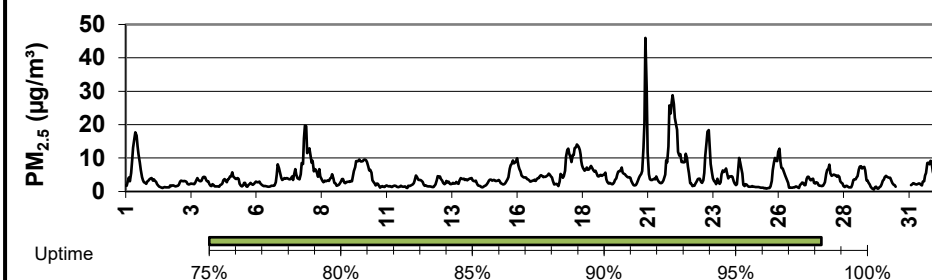
Parm	Average	Operational	1-hour			24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
PM _{2.5} (µg/m³)	4.5	98%	46.0	-	Mar-20 22:00	9.2	28	Mar-18	- / 0
SO ₂ (ppb)	0.3	100%	13.8	172	Mar-25 10:00	1.3	48	Mar-14	0 / 0
H ₂ S (ppb)	0.1	100%	0.9	11	Mar-10 19:00	0.4	4	Mar-07	0 / 0

Update Summary

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibration at the station was conducted on March 18, 2020



Elevated Hourly Reading Summary

Date	SO ₂	PM _{2.5}	H ₂ S	Temp	WS	WD
2020-03-25 10:00	13.8	1.1	0.0	-3.2	3.9	118.8
2020-03-20 22:00	2.2	46.0	0.0	-7.7	5.2	132.5
2020-03-10 19:00	0.1	1.4	0.9	2.2	2.3	249.8

SESAA - March 2020 Wauchope Station Report

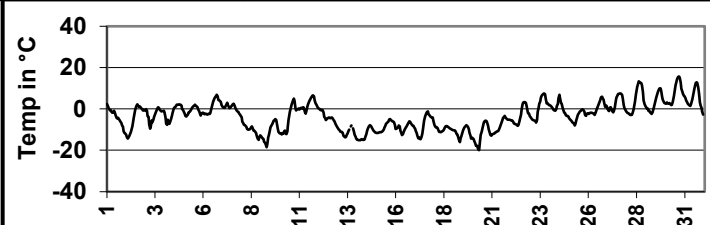
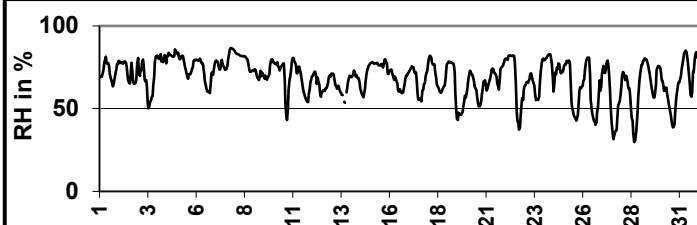
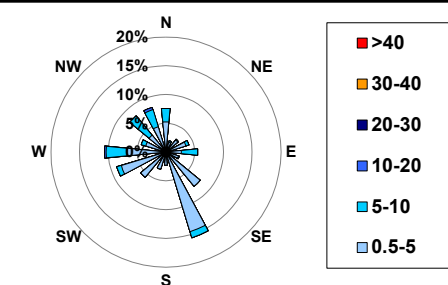
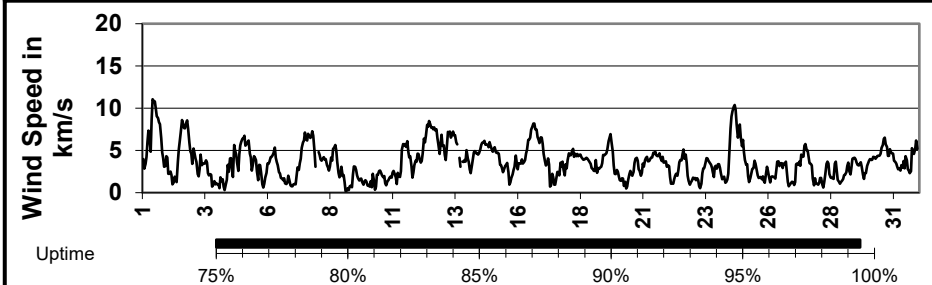
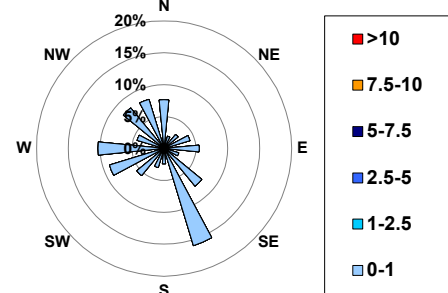
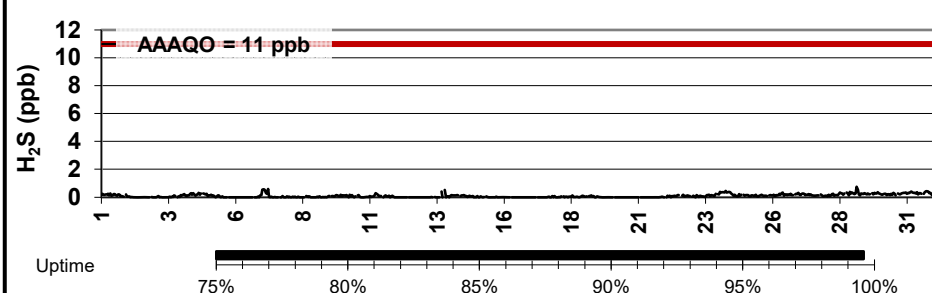
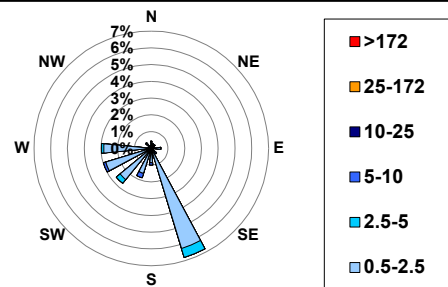
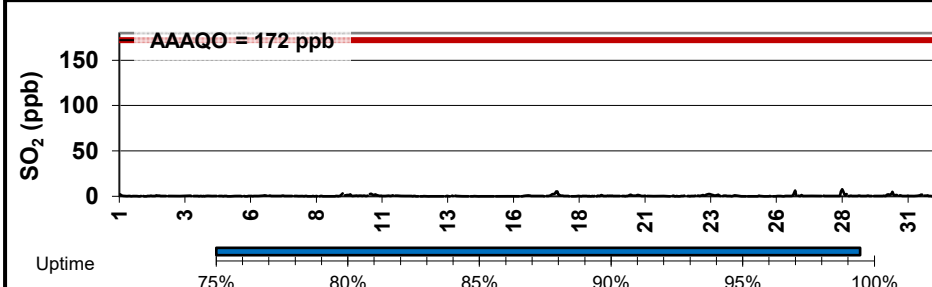
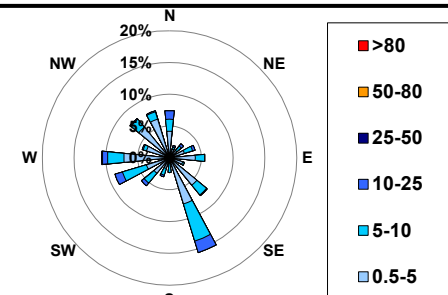
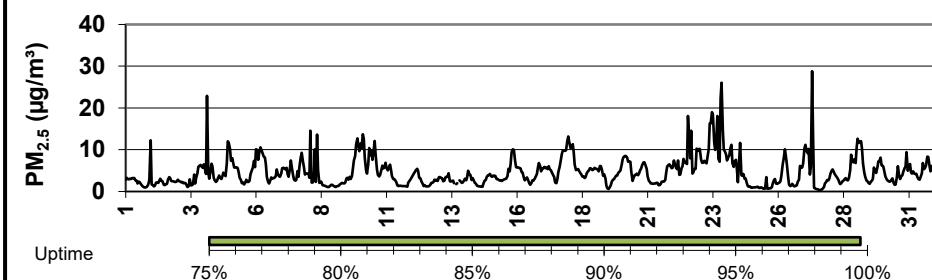
Parm	Average	Operational	1-hour			24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
PM _{2.5} (µg/m³)	4.7	100%	28.9	-	Mar-27 07:00	12.1	28	Mar-23	- / 0
SO ₂ (ppb)	0.4	99%	7.9	172	Mar-28 12:00	1.2	48	Mar-17	0 / 0
H ₂ S (ppb)	0.1	100%	0.8	11	Mar-29 03:00	0.3	4	Mar-31	0 / 0

Update Summary

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%

Calibration at the station was attempted but completed on April 3, 2020



Elevated Hourly Reading Summary

Date	SO ₂	PM _{2.5}	H ₂ S	Temp	WS	WD
2020-03-28 12:00	7.9	2.6	0.3	8.7	1.8	205.4
2020-03-27 7:00	0.2	28.9	0.2	-1.7	3.2	260.2
2020-03-29 3:00	0.4	12.0	0.8	-0.9	2.4	2.5

SESAA - March 2020 Weyburn Station Report

Parm	Average	Operational	1-hour			8-hr / 24-hour			Exceed 1hr / 24hr
			Max	Objective	Max Day and Time	Max	Objective	Max Day	
NO (ppb)	0.2	92%	7.0	-	Mar-20 07:00	0.8	-	Mar-20	- / -
NO ₂ (ppb)	1.3	92%	8.7	159	Mar-20 07:00	2.1	106	Mar-21	0 / 0
NO _x (ppb)	1.5	92%	15.8	-	Mar-20 07:00	2.8	-	Mar-20	- / -
O ₃ (ppb)	28.6	91%	46.2	82	Mar-22 12:00	43.7	63	Mar-22	0 / 0
PM _{2.5} (µg/m ³)	1.9	92%	17.6	-	Mar-21 00:00	4.3	28	Mar-21	- / 0
SO ₂ (ppb)	1.0	91%	19.3	172	Mar-26 23:00	2.4	48	Mar-21	0 / 0
H ₂ S (ppb)	0.1	91%	3.1	11	Mar-20 10:00	0.4	4	Mar-31	0 / 0

Update Summary - Data for the month showed a predominate low AQHI

There were no readings above the SEQG in the month of March 2020

Operation instruments readings remained >90%, there was a power issue resulting in lost time in early March

Calibration at the station was conducted on March 17, 2020

