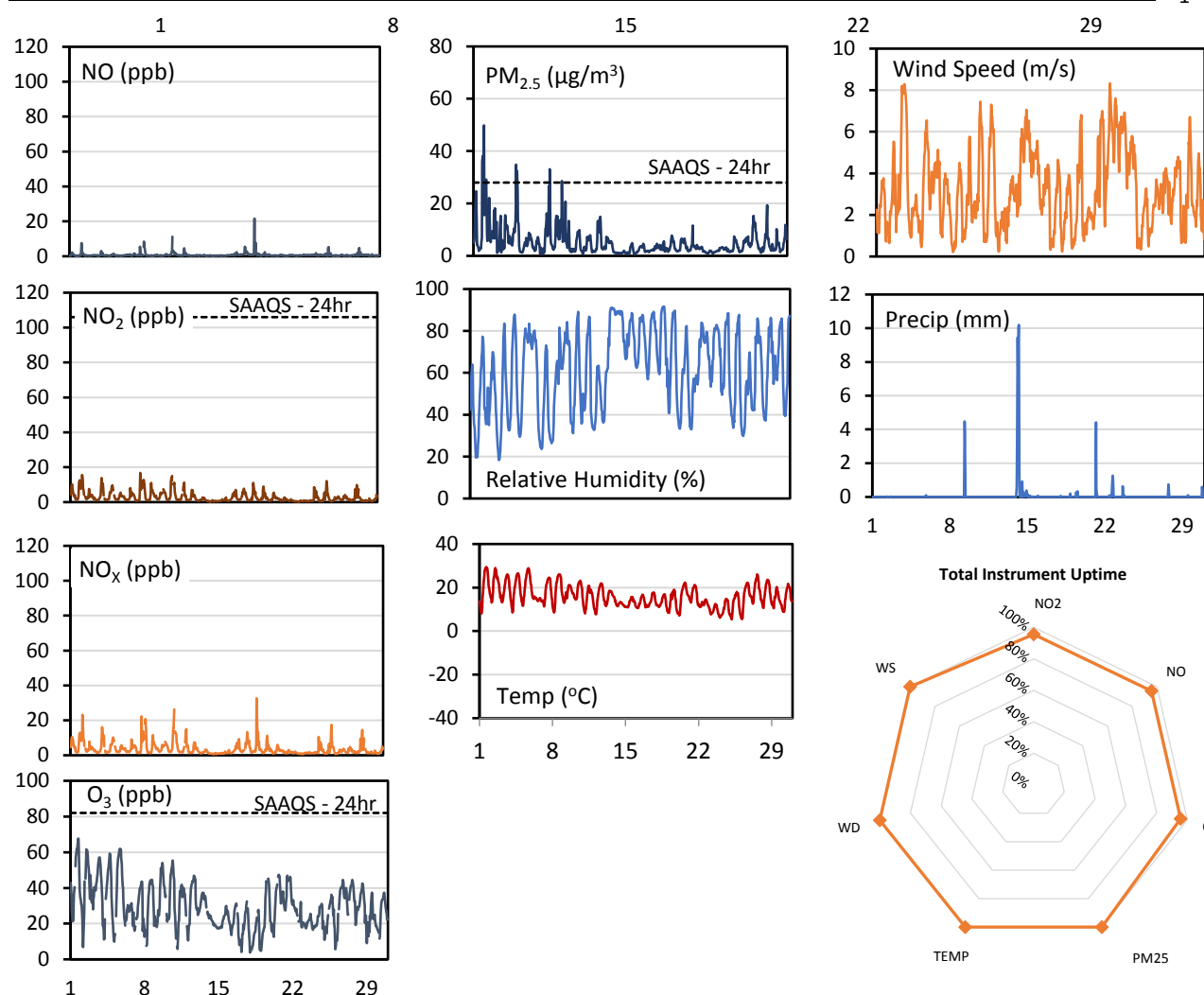
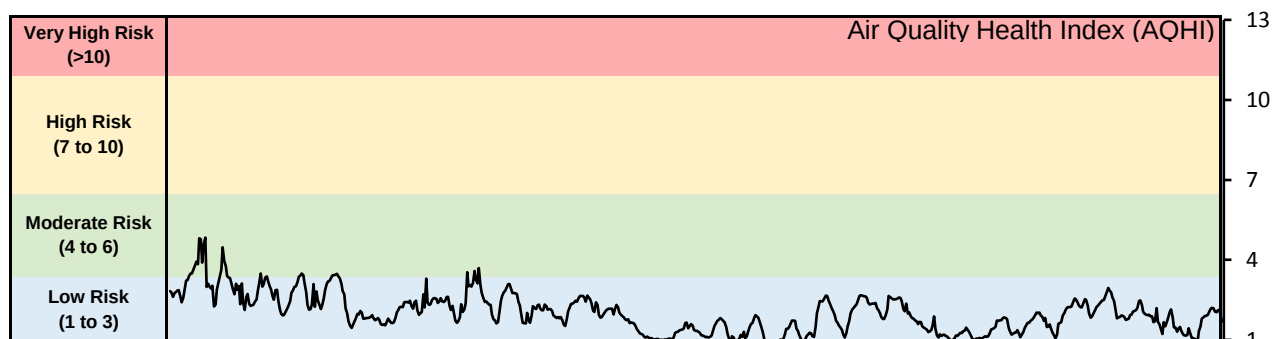


SESAA Esterhazy Station - June 2017 Summary Report

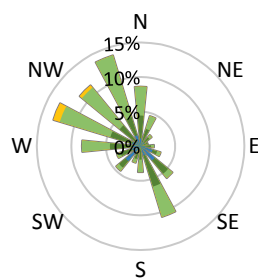
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.8	96%	2.7	Jun-18	-	-	21.6	Jun-18 21:00	-	-
NO ₂	ppb	2.8	96%	5.7	Jun-02	106	0	16.8	Jun-07 20:00	159	0
NO _x	ppb	3.6	96%	6.7	Jun-02	-	-	32.6	Jun-18 21:00	-	-
O ₃	ppb	29.4	96%	44.6	Jun-01	-	-	67.6	Jun-01 17:00	82	0
PM _{2.5}	µg/m ³	5.1	100%	14.6	Jun-02	28	0	49.8	Jun-02 00:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

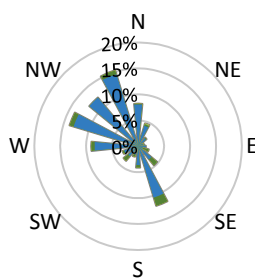


SESAA Esterhazy Station - June 2017 Summary Report

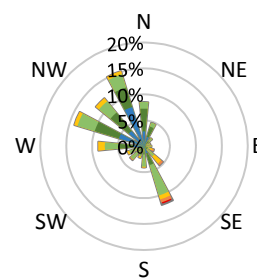
Wind Rose



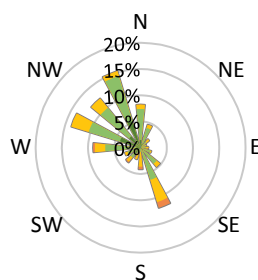
NO₂ Pollutant Rose



PM_{2.5} Pollutant Rose



O₃ Pollutant Rose



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class					
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

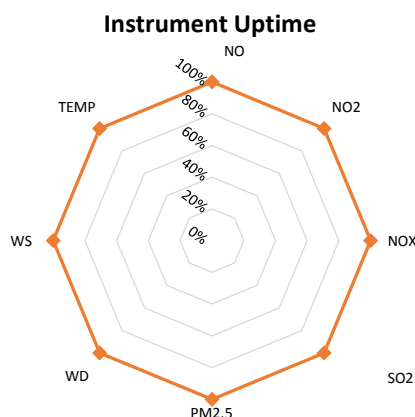
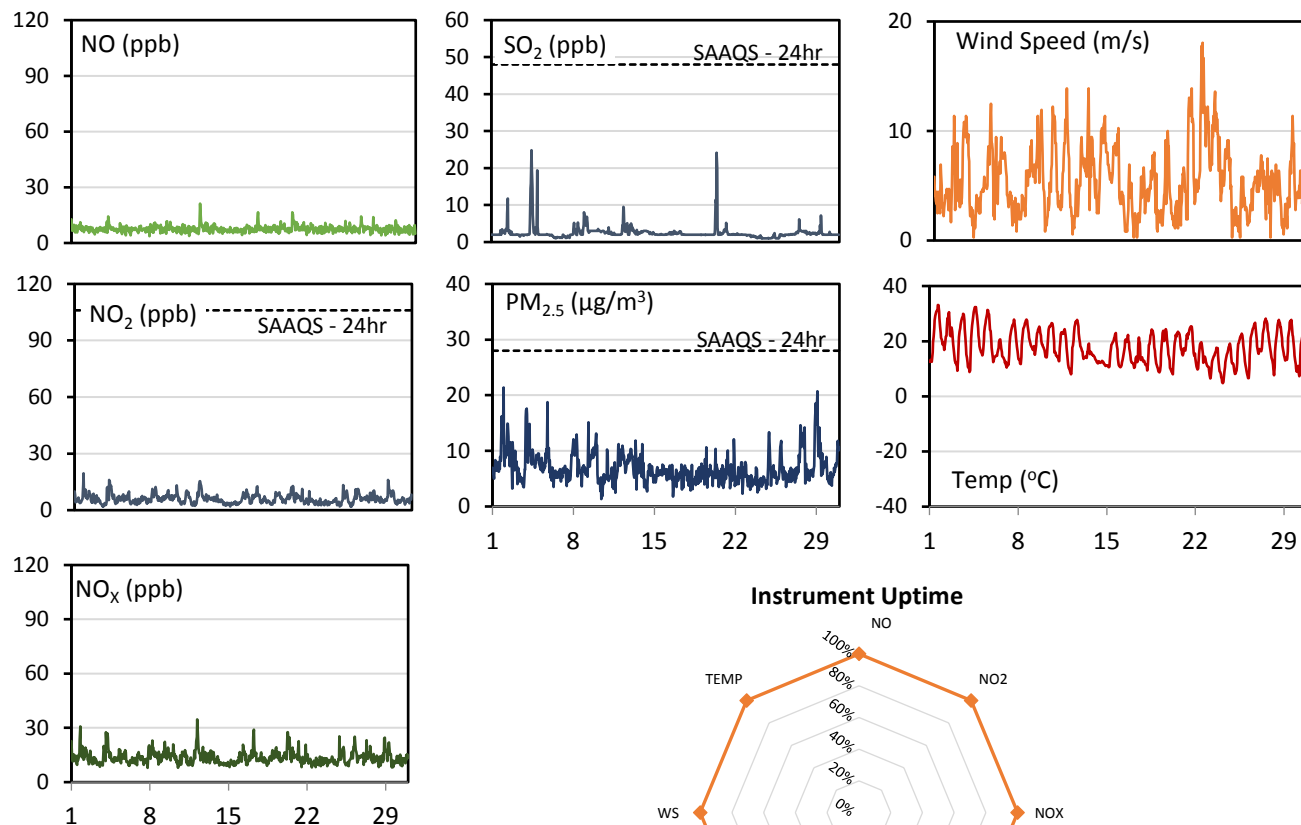
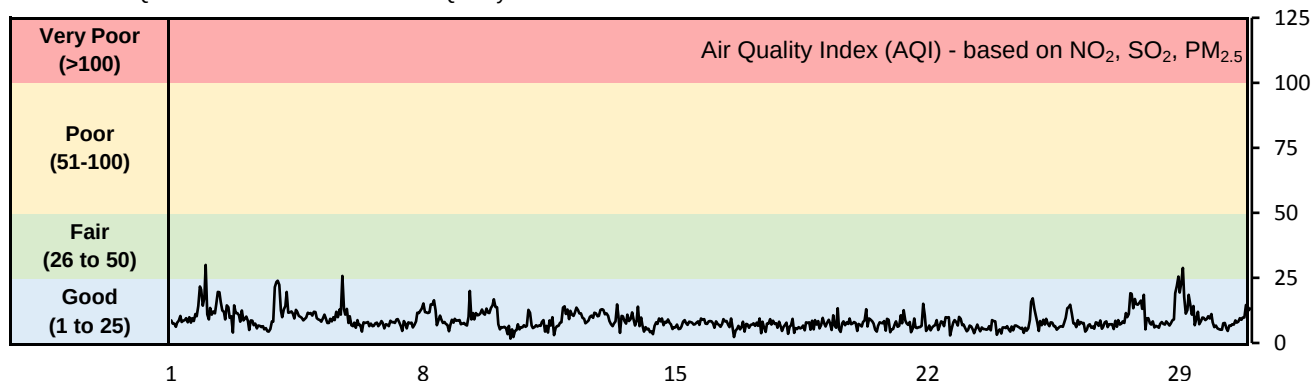
Monthly Update

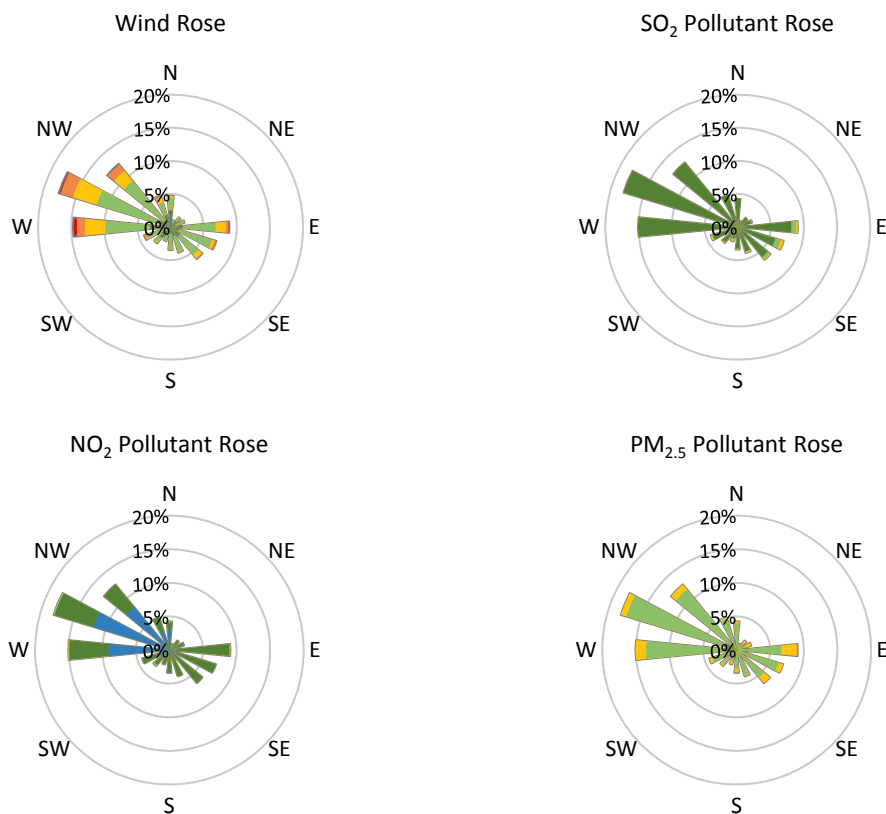
- Achieved >99% of scheduled uptime for all parameters
- Downtime of 4% results from routine daily Internal Zeroes and Spans

SESAA Estevan Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	7.6	100%	9.2	Jun-20	-	-	21.2	Jun-12 05:00	-	-
NO ₂	ppb	6.0	100%	8.4	Jun-12	106	0	19.5	Jun-01 19:00	159	0
NO _x	ppb	13.6	100%	17.6	Jun-12	-	-	34.7	Jun-12 05:00	-	-
SO ₂	ppb	2.5	100%	6.7	Jun-04	48	0	24.8	Jun-04 11:00	172	0
PM _{2.5}	µg/m ³	6.9	100%	9.7	Jun-29	28	0	21.4	Jun-01 23:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
SO ₂	ppb	$1 \leq C < 5$	$6 \leq C < 15$	$16 \leq C < 30$	$31 \leq C < 100$	$101 \leq C < 212$	$C \geq 213$	
PM _{2.5}	µg/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

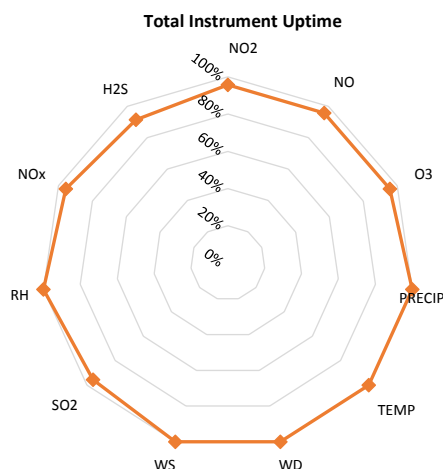
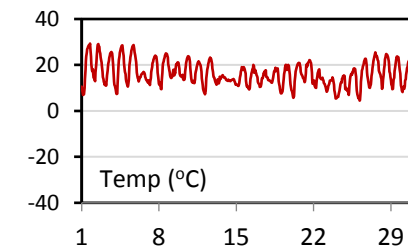
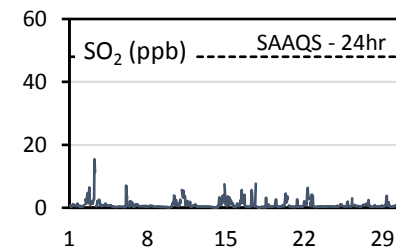
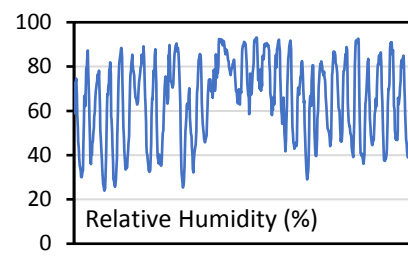
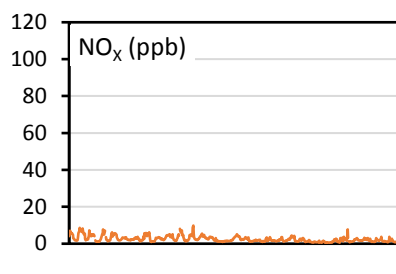
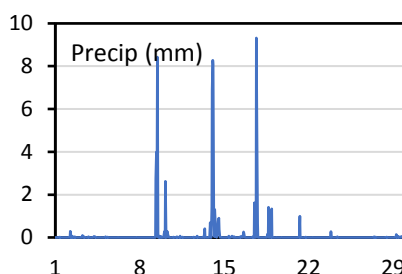
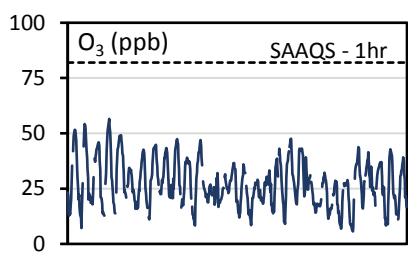
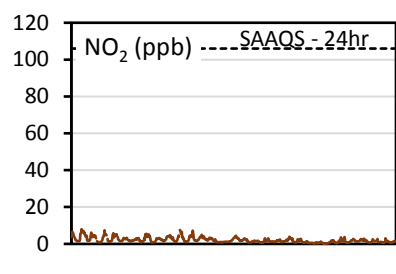
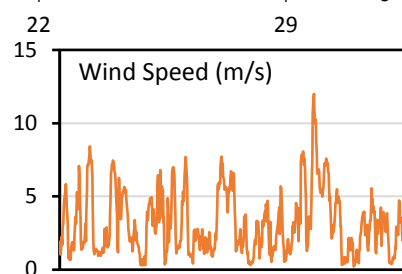
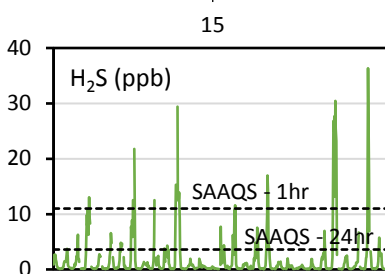
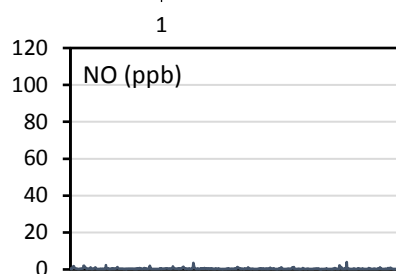
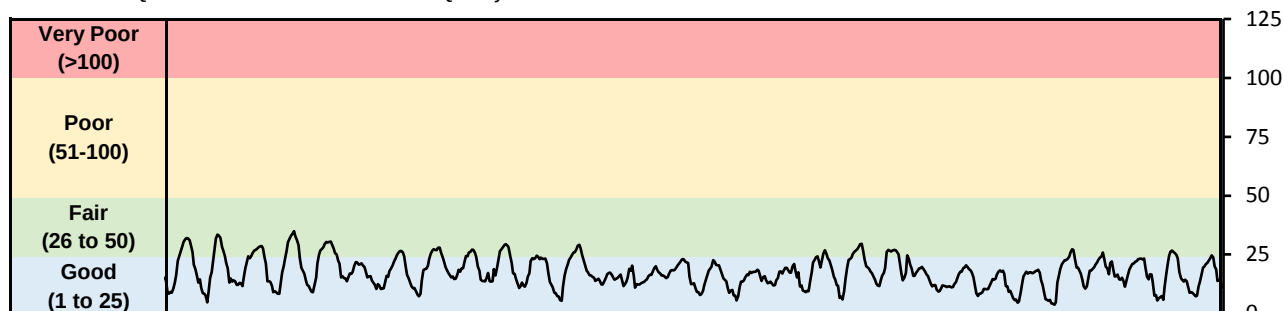
Monthly Update

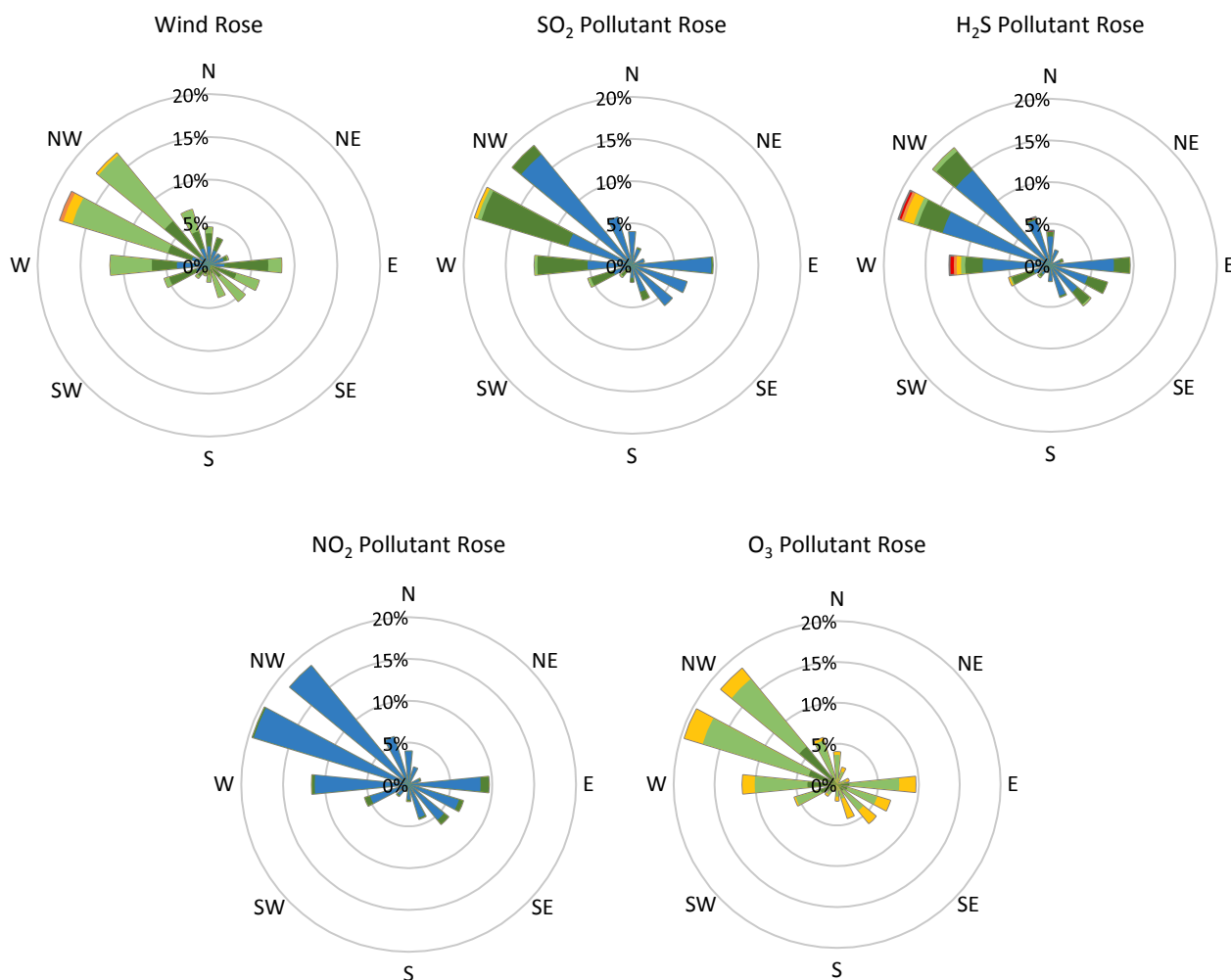
- Achieved 100% uptime for all parameters
- Wind speed and direction data was taken from Estevan Airport

SESAA Glen Ewen Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	96%	0.7	Jun-02	-	-	4.0	Jun-26 06:00	-	-
NO ₂	ppb	2.1	96%	4.1	Jun-02	106	0	8.0	Jun-01 23:00	159	0
NO _x	ppb	2.5	96%	4.8	Jun-02	-	-	9.8	Jun-12 06:00	-	-
SO ₂	ppb	0.9	96%	2.5	Jun-03	48	0	15.4	Jun-03 06:00	172	0
H ₂ S	ppb	1.8	91%	7.4	Jun-26	3.6	3	36.3	Jun-29 01:00	11	25
O ₃	ppb	27.5	96%	35.4	Jun-05	-	-	56.5	Jun-04 16:00	82	0

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class					
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
SO ₂	ppb	$0 \leq C < 1$	$1 \leq C < 5$	$5 \leq C < 10$	$10 \leq C < 57$	$57 \leq C < 172$	$C \geq 172$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
H ₂ S	ppb	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$

Monthly Update

- Achieved >99% of scheduled uptime for all parameters except H₂S (95.5%)
- Downtime of 4% results from routine daily Internal Zeroes and Spans

SESAA Glen Ewen Station - June 2017 Summary Report

Exceedance Summary (1- Hour Average - Exceedances Highlighted)

Exceedance Time	AQI	NO ₂	NO	SO ₂	O ₃	NO _x	H ₂ S	Temp	WD	WS
	-	ppb	ppb	ppb	ppb	ppb	ppb	°C	deg	m/s
Jun-04 04:00	8.9	4.8	0.2	1.0	13.7	5.0	13.0	7.4	268.6	1.3
Jun-08 02:00	10.7	4.3	0.3	0.6	16.5	4.6	12.5	11.6	106.6	0.6
Jun-08 05:00	7.2	4.0	0.8	0.5	11.0	4.8	21.8	9.5	183.7	0.3
Jun-10 00:00	13.8	4.3	0.5	0.1	21.2	4.8	12.5	15.1	349.9	1.2
Jun-11 21:00	17.3	2.4	0.3	0.5	26.9	2.7	11.2	14.2	302.2	1.0
Jun-11 22:00	13.3	4.3	0.4	0.5	20.5	4.6	15.3	12.2	285.7	1.1
Jun-12 01:00	8.7	4.0	0.3	0.6	13.4	4.4	29.4	8.6	277.6	0.9
Jun-12 02:00	8.6	4.4	0.4	0.8	13.2	4.8	13.1	8.2	263.6	1.0
Jun-12 03:00	7.4	3.9	0.4	0.8	11.4	4.3	12.4	7.8	258.1	1.0
Jun-12 04:00	7.1	3.7	0.4	0.9	10.9	4.1	12.8	7.2	278.3	1.0
Jun-12 05:00	5.7	7.1	1.6	0.8	8.7	8.8	13.9	8.6	329.5	0.7
Jun-17 05:00	5.5	2.5	0.8	0.3	8.5	3.3	11.6	10.6	314.0	0.4
Jun-20 02:00	11.8	1.6	0.3	0.8	18.0	2.0	17.0	7.8	272.1	0.6
Jun-20 03:00	6.6	1.7	0.4	0.4	10.1	2.1	13.4	6.2	270.8	0.7
Jun-25 23:00	6.1	1.9	0.3	0.6	9.3	2.3	26.8	7.2	283.6	0.5
Jun-26 00:00	5.7	2.0	0.4	0.4	8.7	2.4	25.1	6.6	301.9	0.5
Jun-26 01:00	5.4	1.8	0.3	0.4	8.3	2.2	27.7	5.6	277.8	0.9
Jun-26 02:00	5.8	2.4	0.5	0.4	8.8	2.9	13.2	5.7	343.0	1.4
Jun-26 03:00	4.3	1.2	0.5	0.5	6.6	1.7	30.4	5.0	313.5	0.7
Jun-26 04:00	4.1	1.3	0.3	0.4	6.4	1.6	25.5	4.5	289.5	0.7
Jun-26 05:00	3.7	2.0	0.9	0.4	5.6	2.9	23.2	4.7	273.0	0.7
Jun-26 06:00	4.7	3.7	4.0	0.6	7.3	7.7	12.2	8.4	291.0	0.4
Jun-29 01:00	7.5	1.6	0.2	0.5	11.5	1.8	36.3	11.5	266.3	0.4
Jun-29 02:00	7.8	1.5	0.4	0.4	11.9	1.9	30.1	10.9	293.3	0.4
Jun-29 03:00	5.4	1.4	0.3	0.3	8.4	1.7	17.7	9.5	266.0	0.8

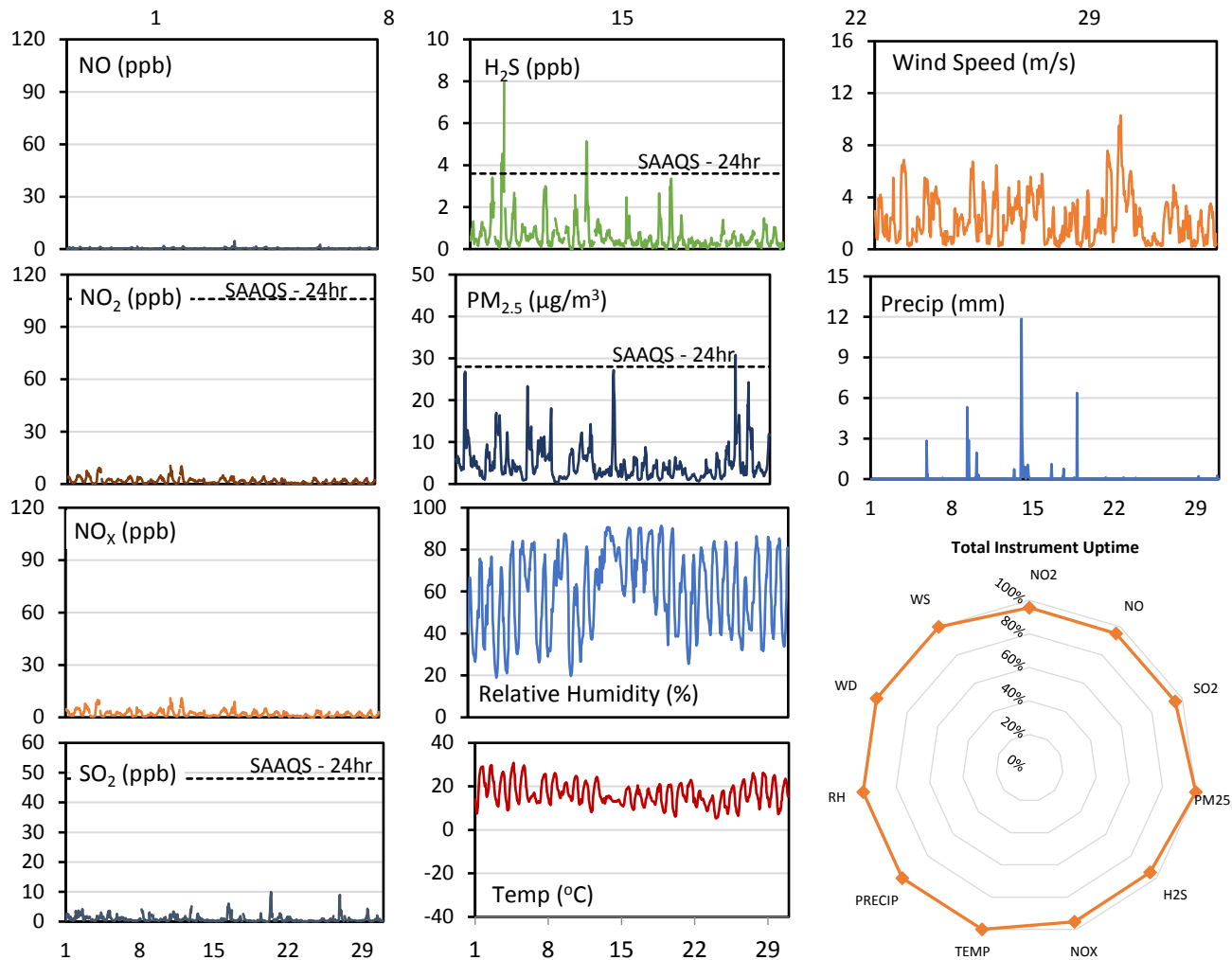
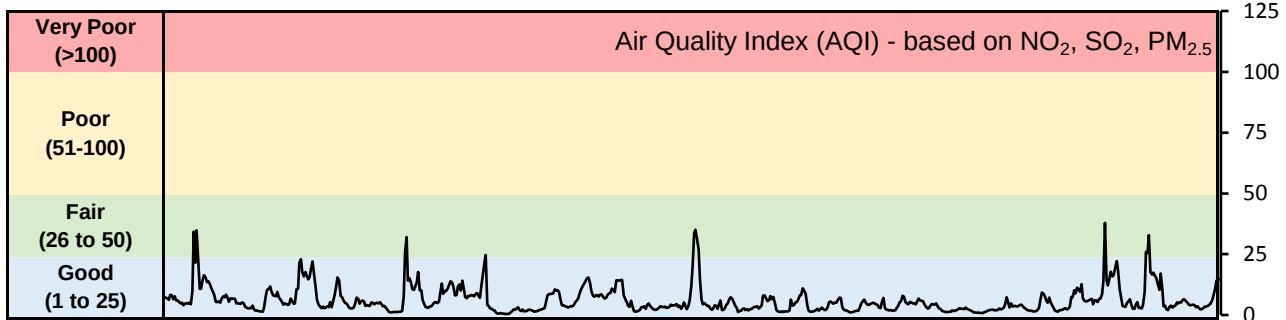
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

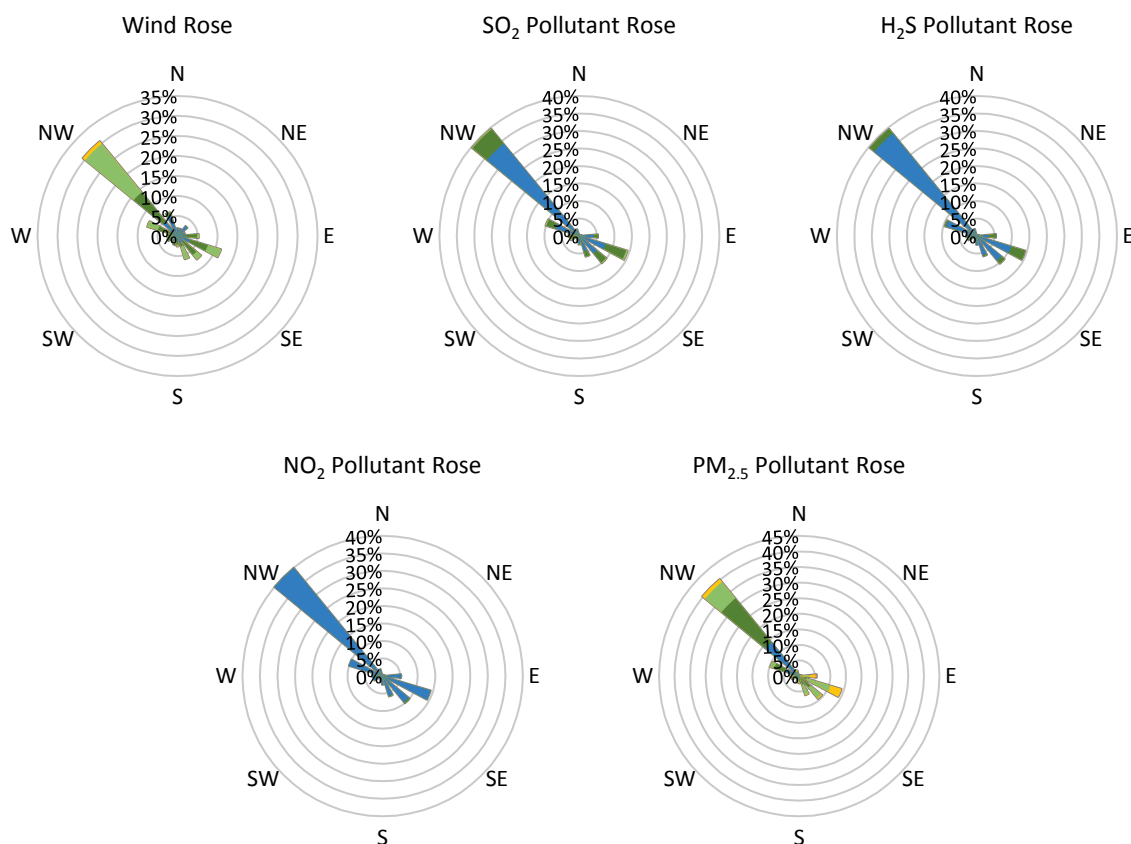
Exceedance Time	AQI	NO ₂	NO	SO ₂	O ₃	NO _x	H ₂ S	Temp	WD	WS
	-	ppb	ppb	ppb	ppb	ppb	ppb	°C	deg	m/s
Jun-12	18.6	3.1	0.7	0.5	29.0	3.8	4.6	16.4	140.1	1.8
Jun-26	16.7	1.5	0.5	0.6	25.9	2.0	7.4	14.8	203.4	2.3
Jun-29	16.2	1.2	0.4	0.8	25.0	1.5	4.9	16.7	246.0	2.2

SESAA Oxbow Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	95%	0.7	Jun-17	-	-	4.6	Jun-17 05:00	-	-
NO ₂	ppb	1.7	96%	3.5	Jun-02	106	0	10.5	Jun-11 01:00	159	0
NO _x	ppb	2.1	95%	4.0	Jun-02	-	-	11.0	Jun-11 01:00	-	-
SO ₂	ppb	0.9	95%	1.9	Jun-02	48	0	9.9	Jun-20 09:00	172	0
H ₂ S	ppb	0.6	95%	1.7	Jun-04	3.6	0	8.0	Jun-04 06:00	11	0
PM _{2.5}	µg/m ³	4.8	100%	8.4	Jun-27	28	0	30.8	Jun-27 17:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 10.8	C ≥ 10.8	
PM _{2.5}	µg/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30	

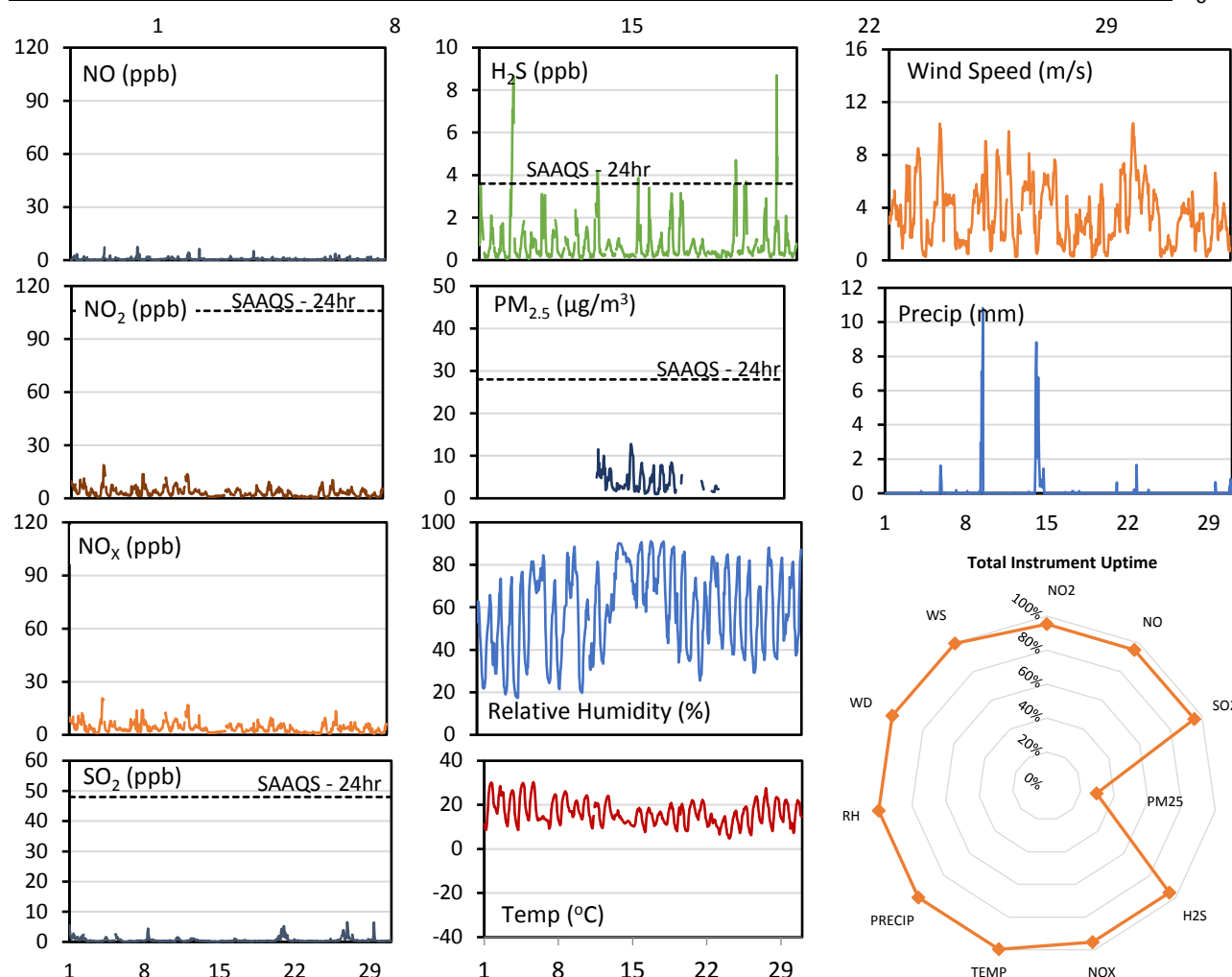
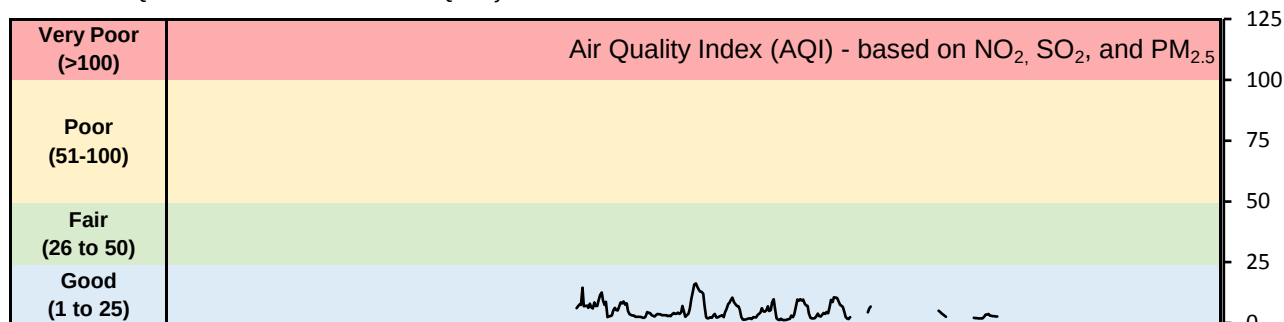
Monthly Update

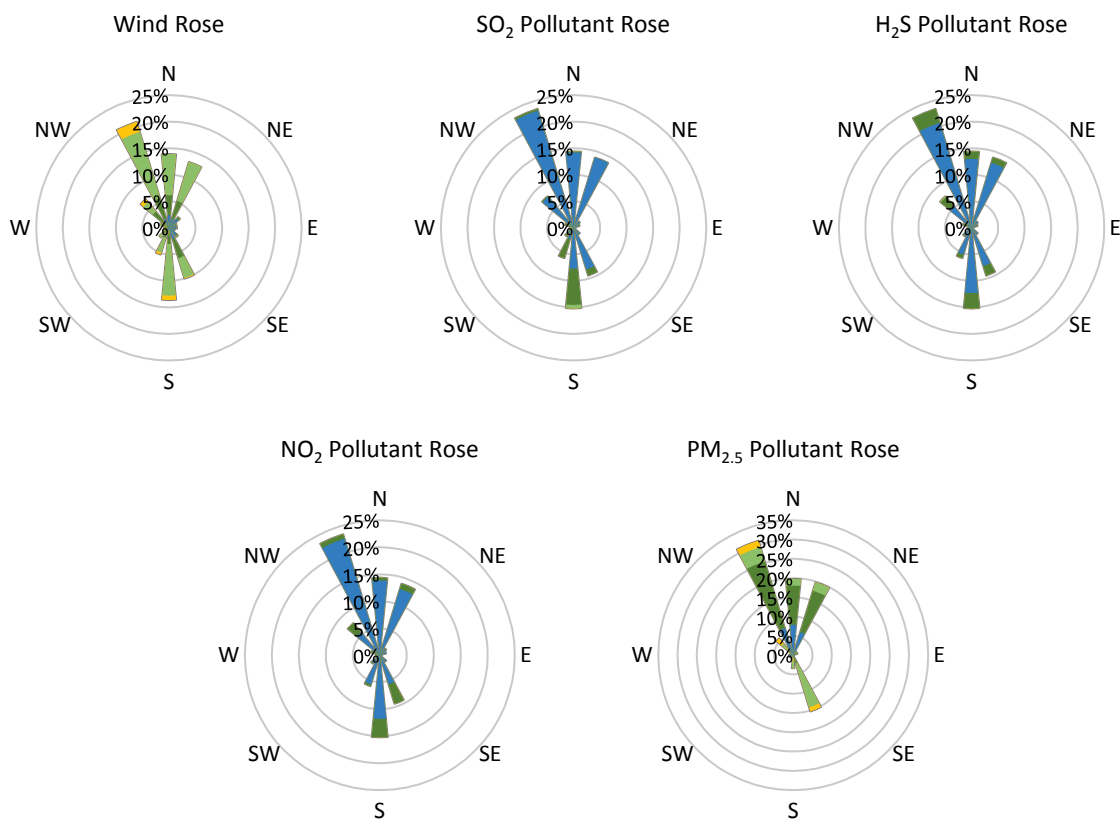
- Achieved >99% of scheduled uptime for all parameters
- Downtime of 4% results from routine daily Internal Zeroes and Spans

SESAA Stoughton Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.6	95%	1.2	Jun-07	-	-	7.5	Jun-07 09:00	-	-
NO ₂	ppb	3.3	95%	6.5	Jun-04	106	0	18.8	Jun-04 03:00	159	0
NO _x	ppb	4.0	95%	7.5	Jun-04	-	-	20.6	Jun-04 03:00	-	-
SO ₂	ppb	0.6	95%	2.0	Jun-26	48	0	6.5	Jun-26 21:00	172	0
H ₂ S	ppb	0.8	95%	1.9	Jun-04	3.6	0	8.7	Jun-29 02:00	11	0
PM _{2.5}	µg/m ³	4.0	30%	6.7	Jun-12	28	0	12.8	Jun-16 01:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
SO ₂	ppb	$0 \leq C < 1$	$1 \leq C < 5$	$5 \leq C < 10$	$10 \leq C < 57$	$57 \leq C < 172$	$C \geq 172$	
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
H ₂ S	ppb	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$	
PM _{2.5}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

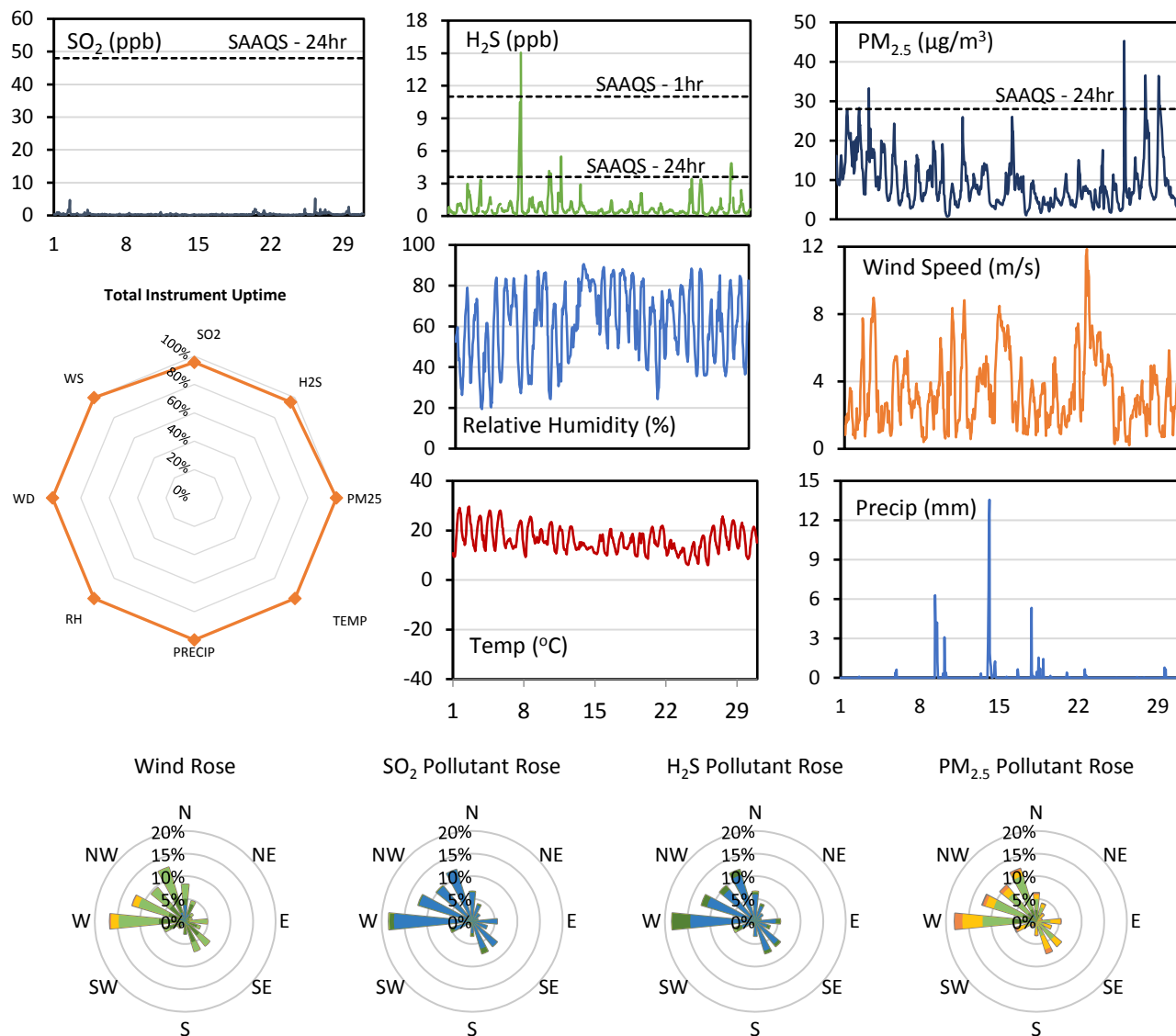
Monthly Update

- Achieved >99% of scheduled uptime for all parameters except PM_{2.5} (29.6%)
- Downtime of 4% due to routine daily internal zeroes and spans
- Particulate downtime due to instrument issues

SESAA Wauchope Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.4	96%	0.8	Jun-27	48	0	5.1	Jun-26 07:00	172	0
H ₂ S	ppb	0.8	96%	2.4	Jun-08	3.6	0	15.0	Jun-08 05:00	11	1
PM _{2.5}	µg/m ³	9.2	100%	19.0	Jun-02	28	0	45.3	Jun-25 22:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class					
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 10.8	C ≥ 10.8
PM _{2.5}	µg/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

Monthly Update

- Achieved 100% of scheduled uptime for all parameters except SO₂/H₂S (95.7%)
- Downtime of 4% results from routine daily Internal Zeroes and Spans

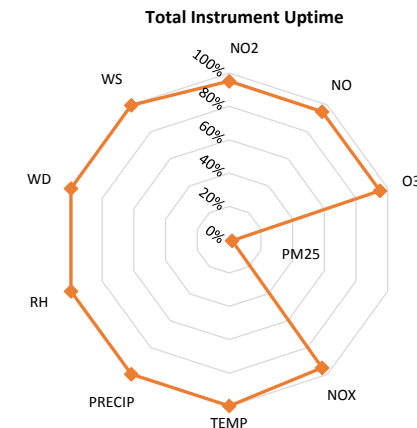
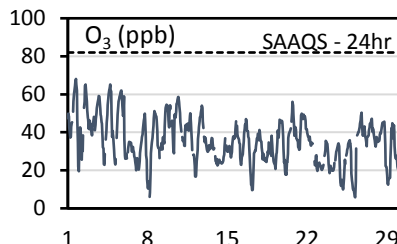
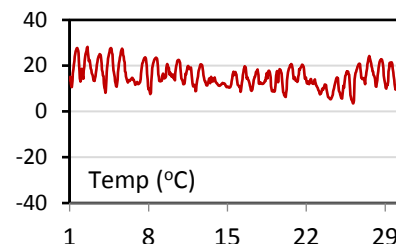
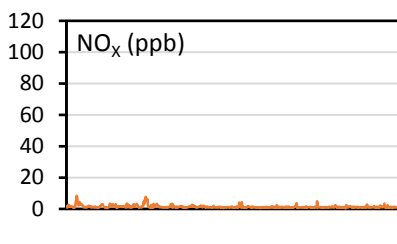
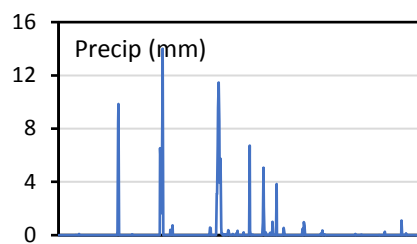
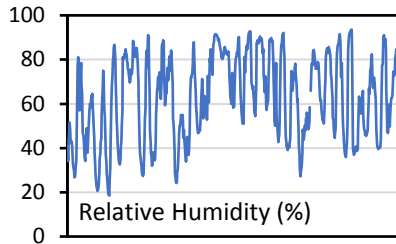
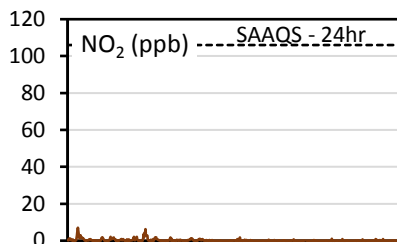
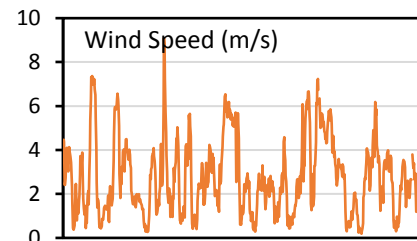
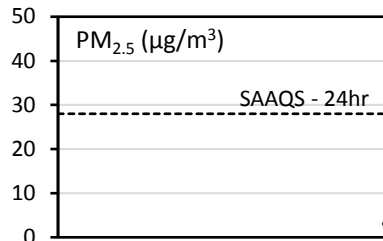
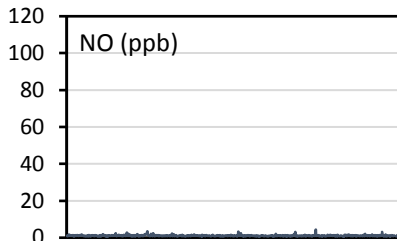
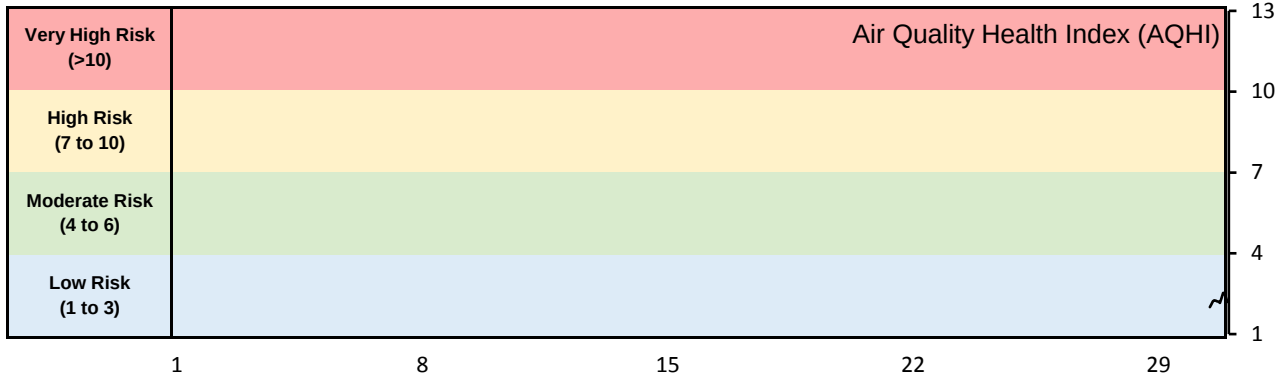
Exceedance Summary (1- Hour Average - Exceedances Highlighted)

Exceedance Time	SO ₂ ppb	PM _{2.5} µg/m ³	H ₂ S ppb	Temp °C	WD deg	WS m/s
Jun-08 05:00	0.3	9.3	15.0	9.9	19.7	0.6

SESAA Wawota Station - June 2017 Summary Report

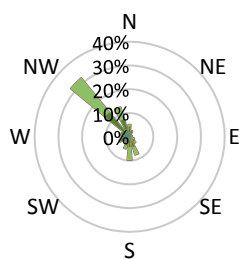
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.1	95%	1.4	Jun-08	-	-	4.4	Jun-23 07:00	-	-
NO ₂	ppb	0.3	95%	1.2	Jun-01	106	0	7.0	Jun-01 22:00	159	0
NO _x	ppb	1.4	95%	2.6	Jun-08	-	-	8.4	Jun-01 22:00	-	-
O ₃	ppb	35.6	95%	48.6	Jun-03	-	-	68.1	Jun-01 17:00	82	0
PM _{2.5}	µg/m ³	5.7	2%	5.7	Jun-30	28	0	9.7	Jun-30 23:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

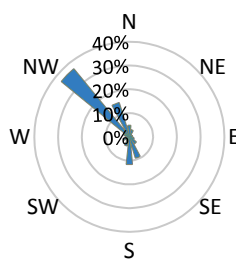


SESAA Wawota Station - June 2017 Summary Report

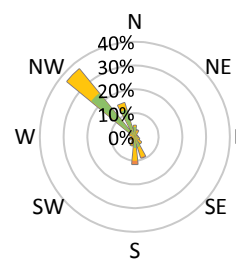
Wind Rose



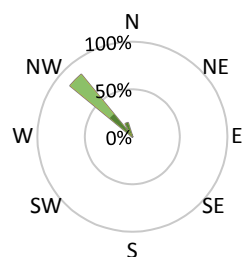
NO₂ Pollutant Rose



O₃ Pollutant Rose



PM_{2.5} Pollutant Rose



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82	
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
PM _{2.5}	µg/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30	

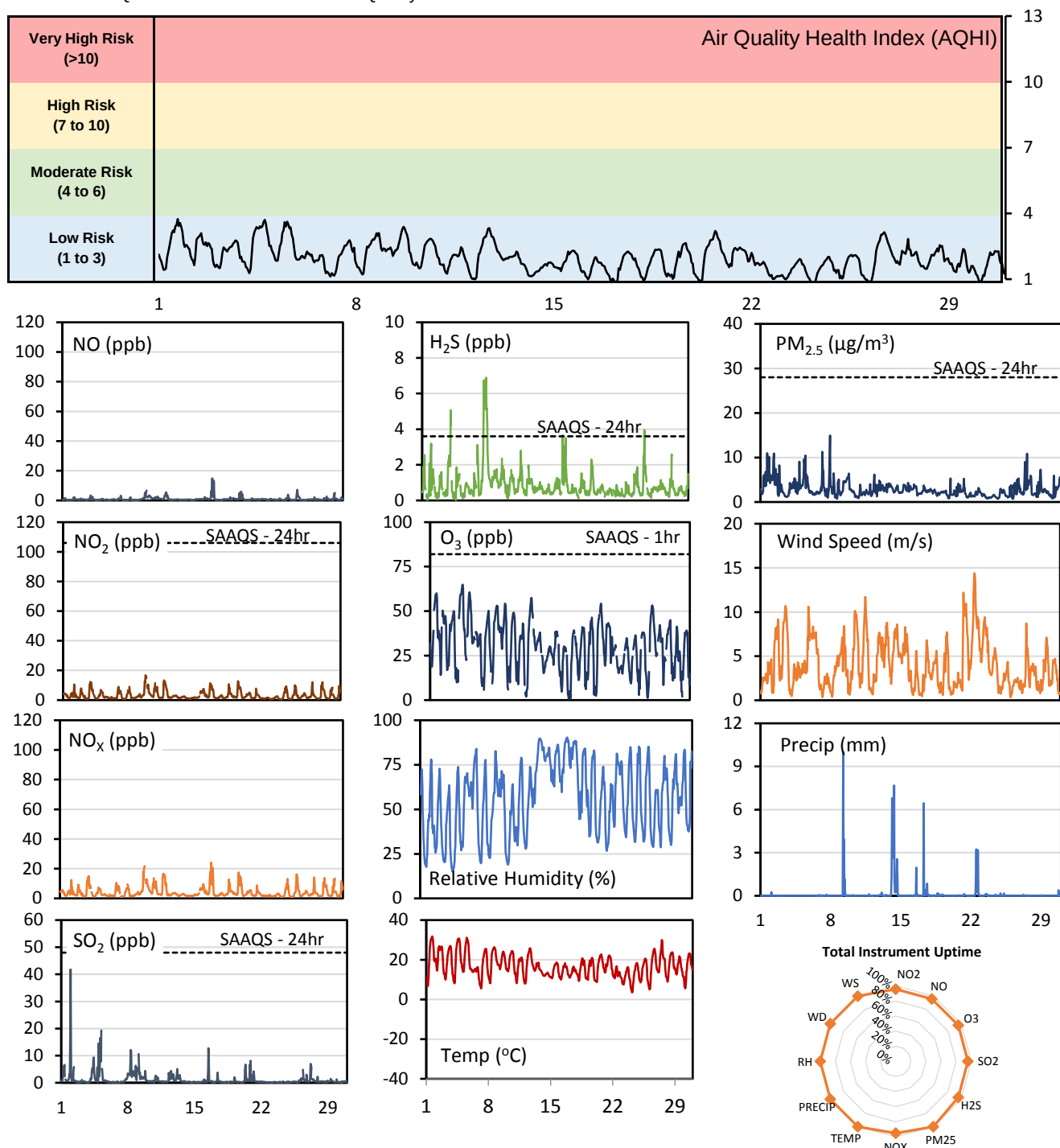
Monthly Update

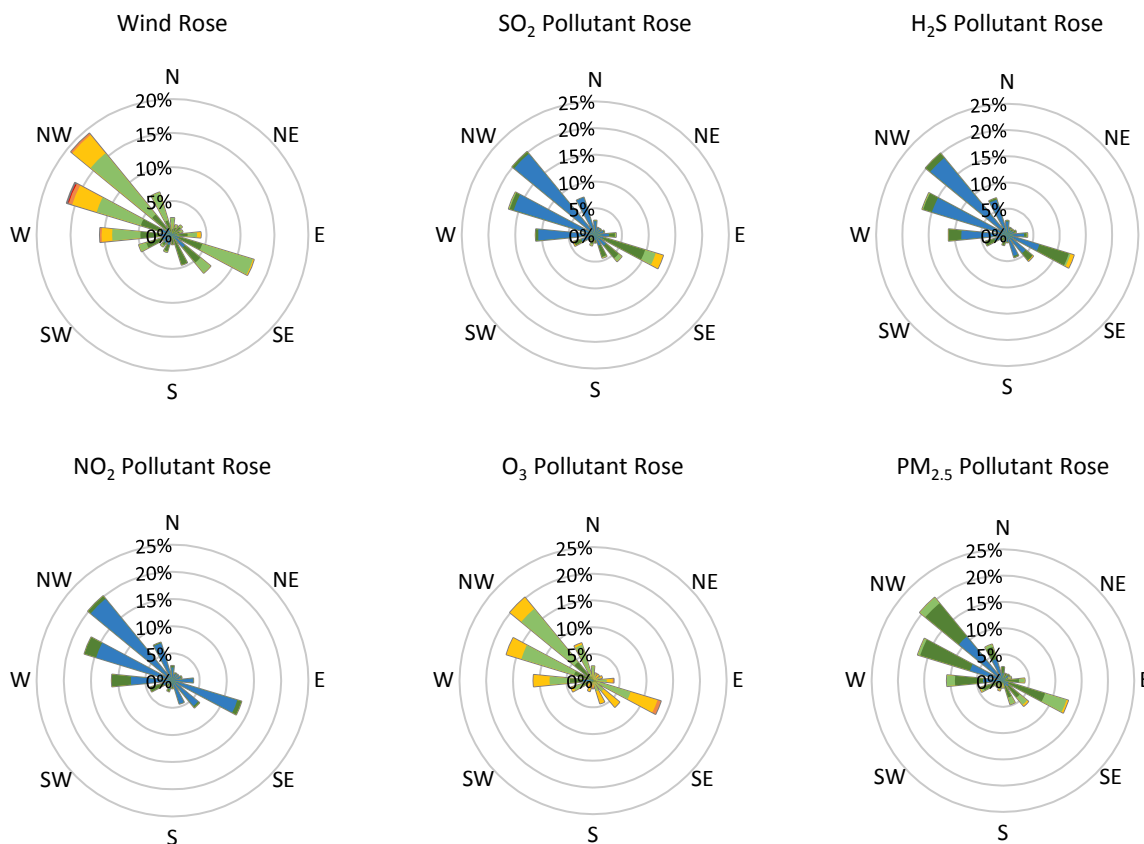
- Achieved >99% of scheduled uptime for all parameters except PM_{2.5} (1.9%)
- Downtime of 4% due to routine daily Internal Zeroes and Spans
- PM_{2.5} downtime due to instrument issues

SESAA Weyburn Station - June 2017 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.0	95%	2.6	Jun-17	-	-	14.9	Jun-17 01:00	-	-
NO ₂	ppb	3.2	96%	5.9	Jun-10	106	0	16.8	Jun-09 22:00	159	0
NO _x	ppb	4.2	95%	8.1	Jun-10	-	-	24.2	Jun-17 01:00	-	-
SO ₂	ppb	1.2	96%	4.2	Jun-08	48	0	41.8	Jun-02 00:00	172	0
H ₂ S	ppb	0.9	96%	2.8	Jun-08	3.6	0	6.9	Jun-08 05:00	11	0
O ₃	ppb	30.1	96%	42.2	Jun-04	-	-	64.9	Jun-04 18:00	82	0
PM _{2.5}	µg/m ³	2.8	100%	4.9	Jun-02	28	0	14.9	Jun-07 22:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
SO ₂	ppb	$0 \leq C < 1$	$1 \leq C < 5$	$5 \leq C < 10$	$10 \leq C < 57$	$57 \leq C < 172$	$C \geq 172$	
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
H ₂ S	ppb	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$	
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$	
PM _{2.5}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

Monthly Update

- Achieved >99% of scheduled uptime for all parameters
- Downtime of 4% due to routine daily Internal Zeroes and Spans