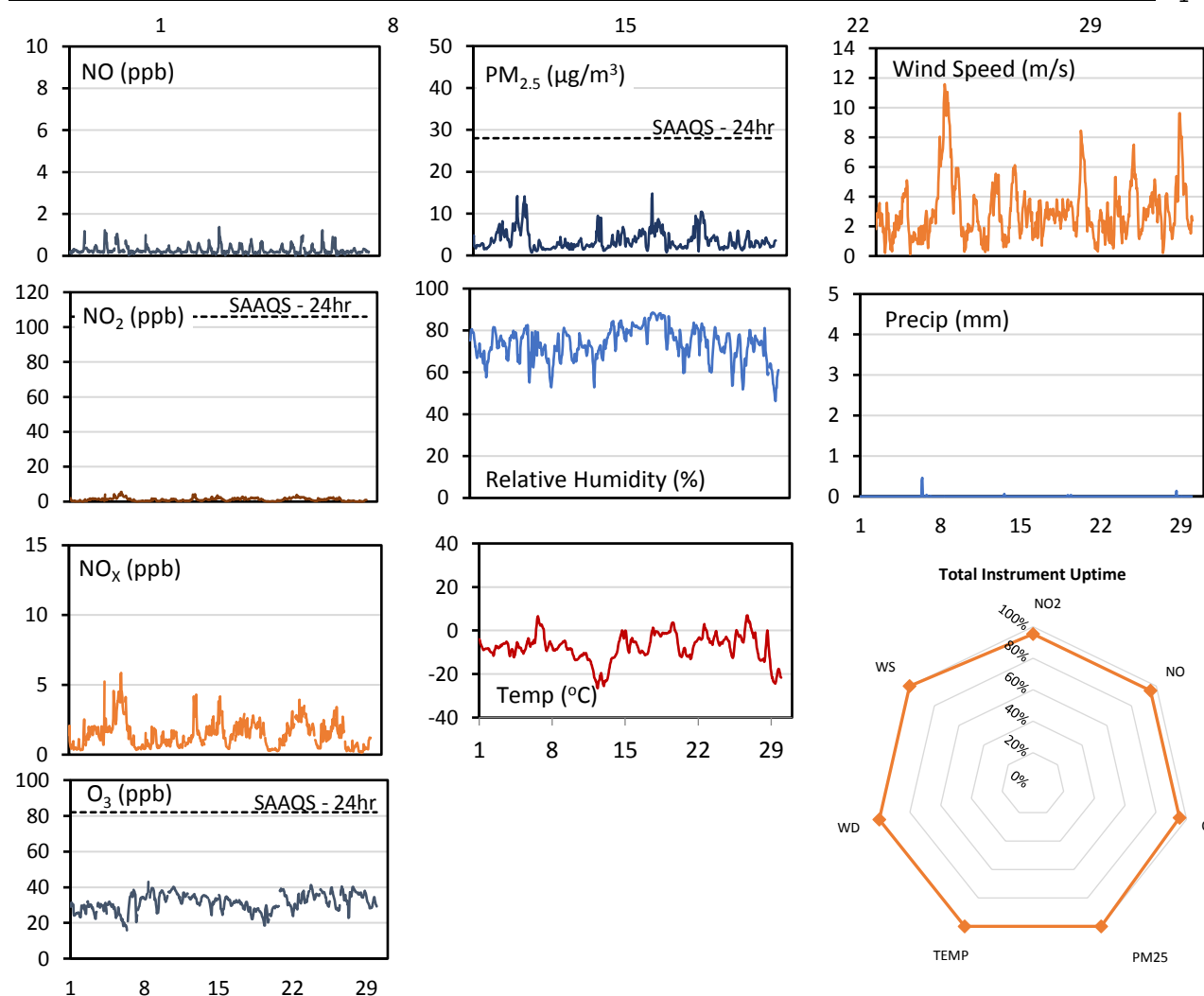
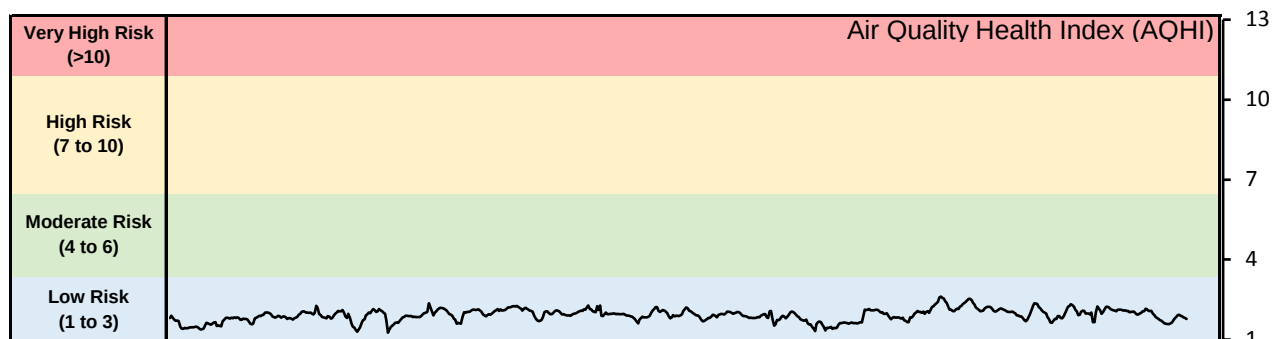


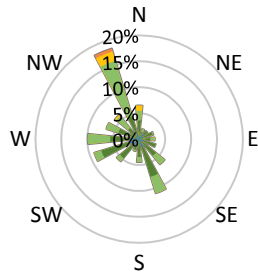
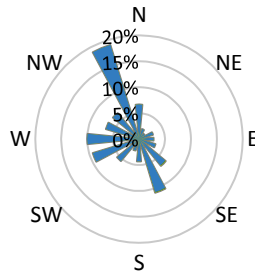
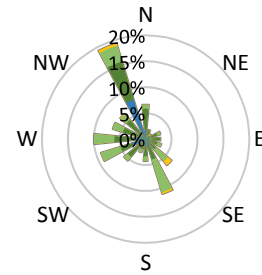
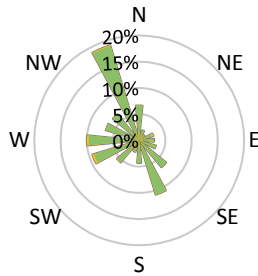
SESAA Esterhazy Station - February 2016 Summary Report

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	0.3	95%	0.4	Feb-05	-	-	1.4	Feb-15 12:00	-	-
NO ₂	ppb	1.2	95%	2.7	Feb-05	106	0	5.6	Feb-06 00:00	159	0
NO _x	ppb	1.4	95%	3.2	Feb-05	-	-	5.9	Feb-06 00:00	-	-
O ₃	ppb	31.6	95%	37.4	Feb-10	-	-	43.0	Feb-08 09:00	82	0
PM _{2.5}	µg/m ³	3.7	100%	9.0	Feb-05	28	0	14.8	Feb-18 03:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



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	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
PM _{2.5}	ug/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$

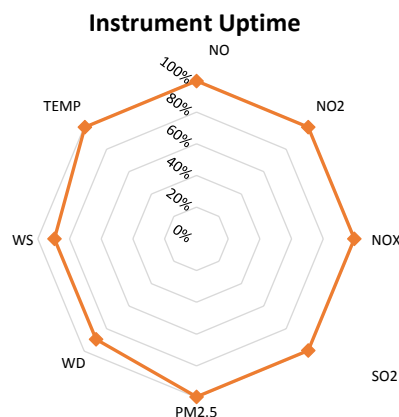
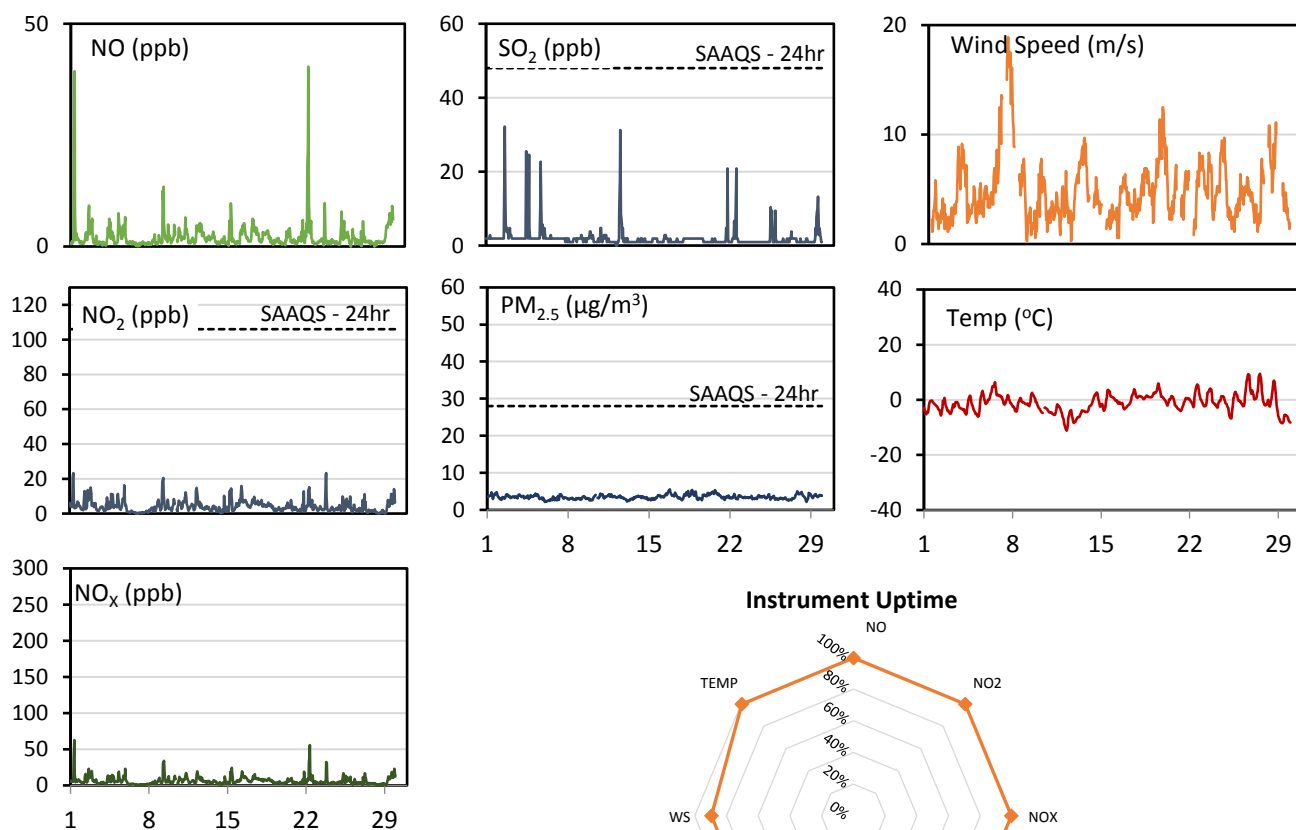
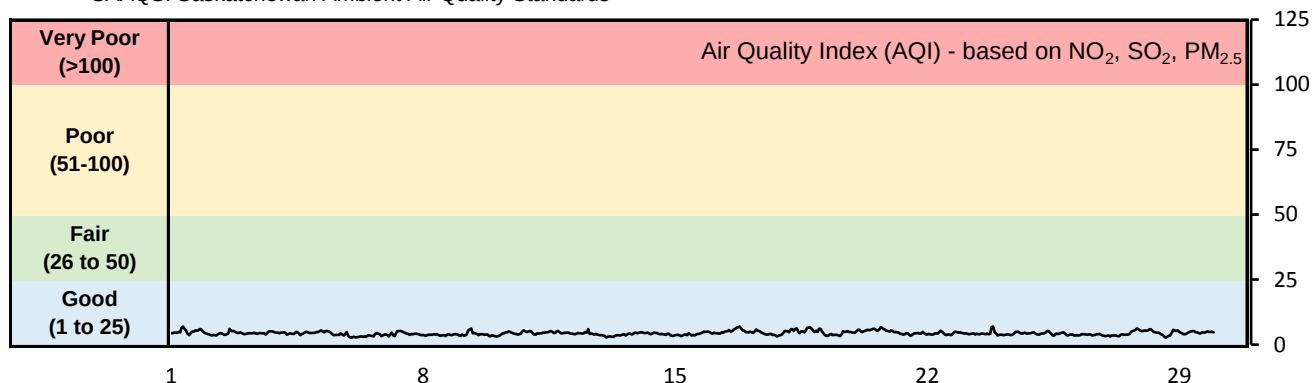
Monthly Update

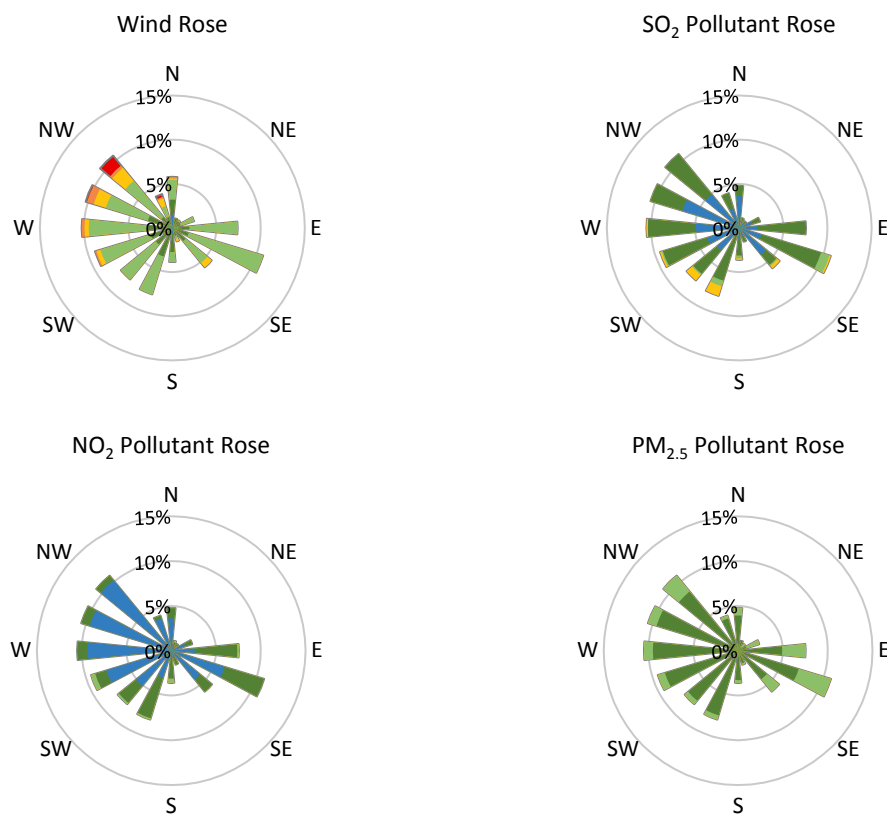
- Achieved 100% of scheduled uptime for all parameters
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed Feb. 8

SESAA Estevan Station - February 2016 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	2.1	100%	5.8	Feb-22	-	-	40.4	Feb-22 08:00	-	-
NO ₂	ppb	4.1	100%	7.1	Feb-16	106	0	23.3	Feb-01 08:00	159	0
NO _x	ppb	6.3	100%	11.3	Feb-22	-	-	62.6	Feb-01 08:00	-	-
SO ₂	ppb	2.1	100%	5.4	Feb-04	48	0	32.2	Feb-02 15:00	172	0
PM _{2.5}	µg/m ³	3.5	100%	4.5	Feb-20	28	0	5.5	Feb-16 19:00	-	-

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	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

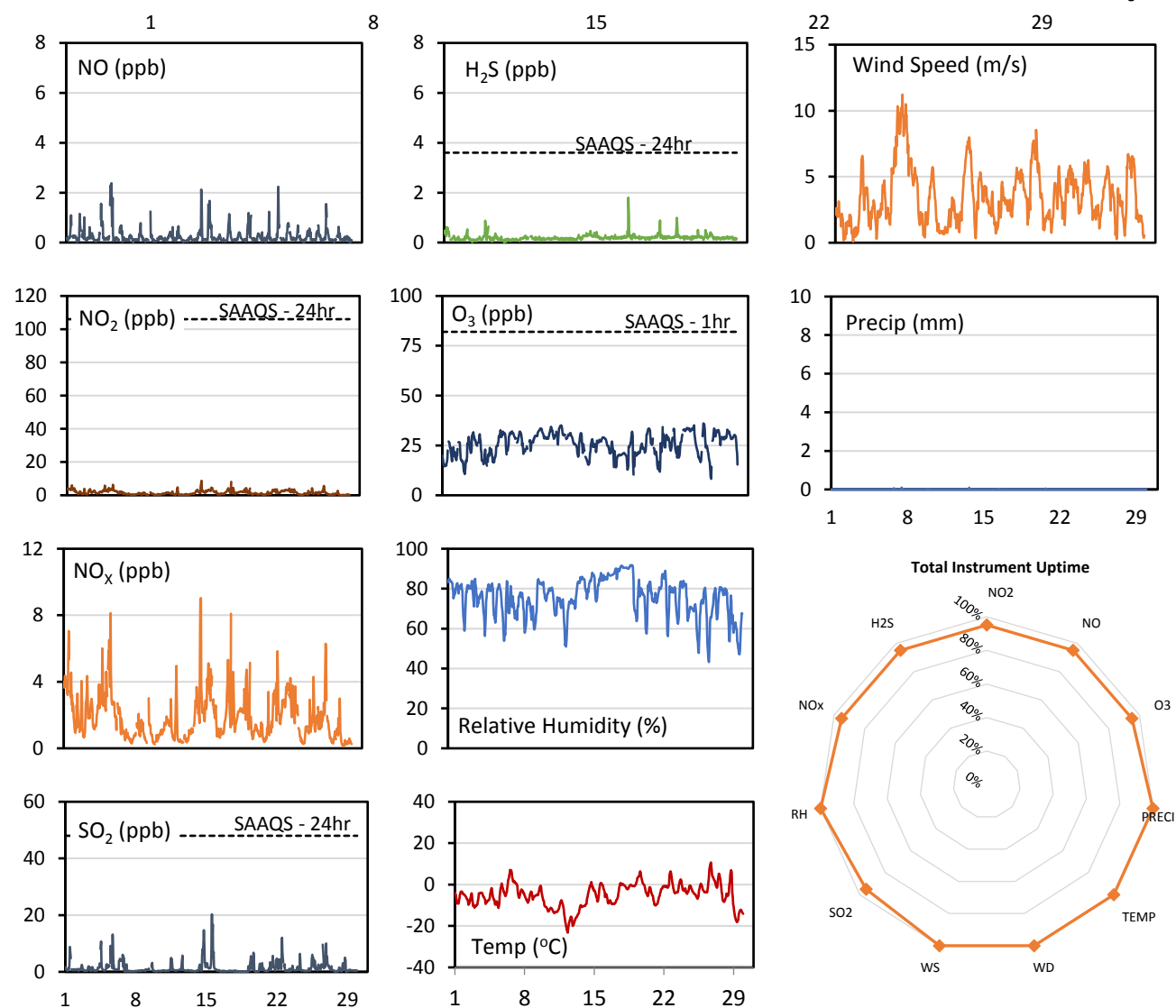
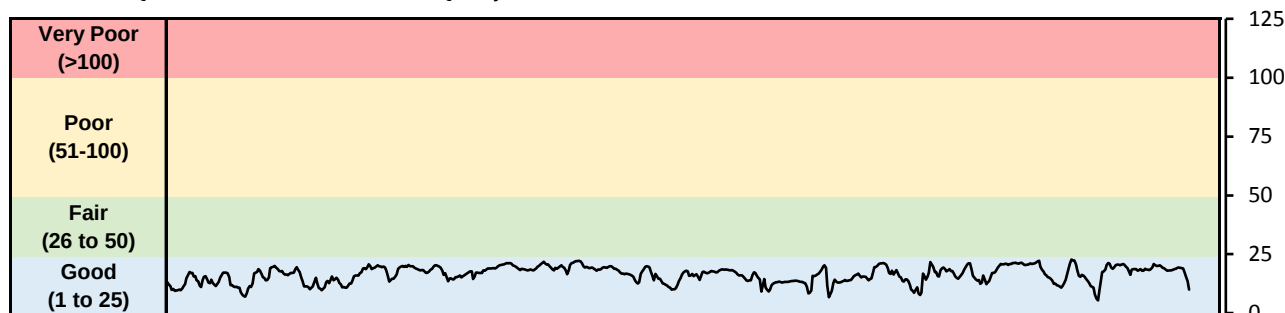
Monthly Update

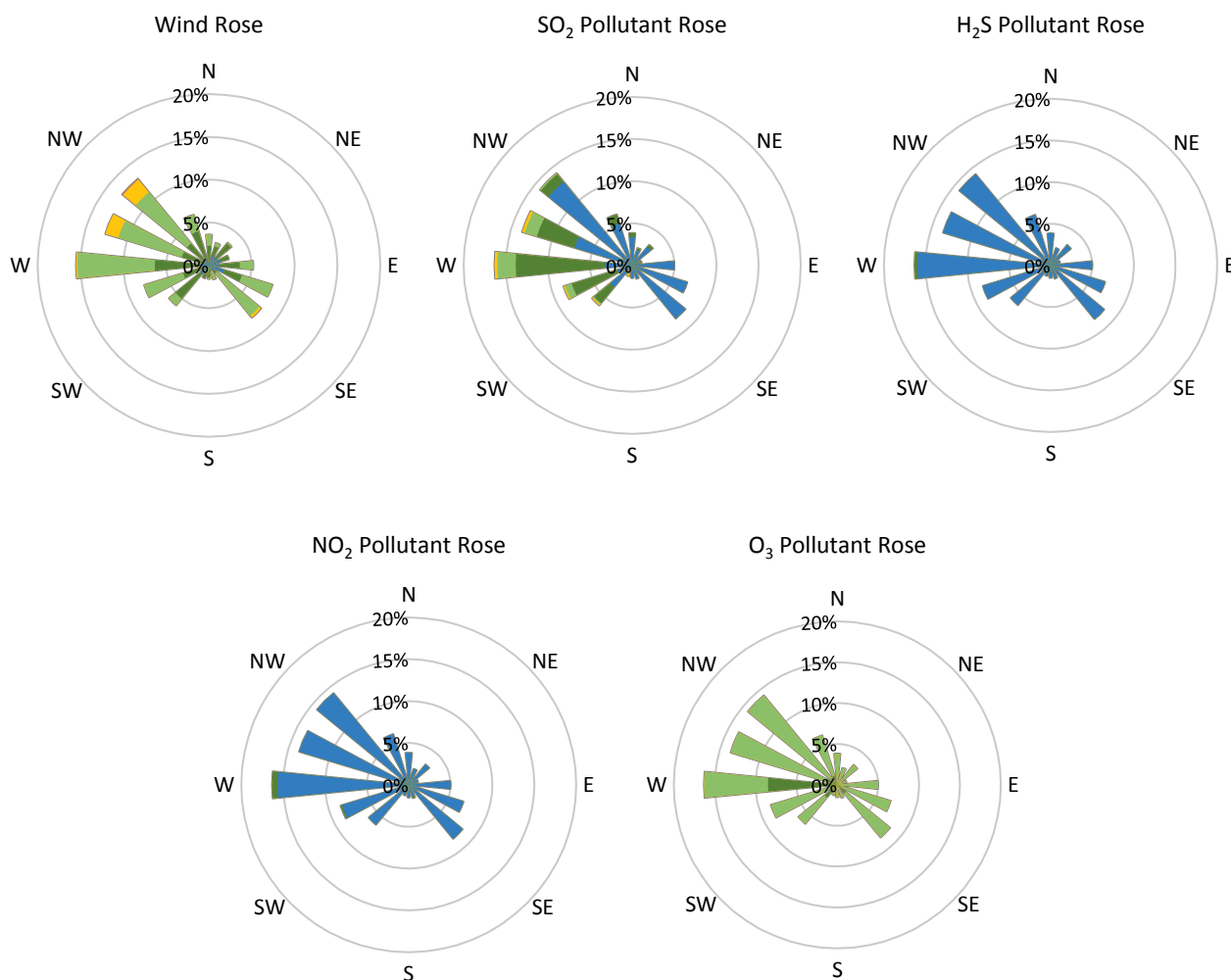
- Achieved 100% of scheduled uptime for all parameters except wind speed and direction (90%)
- All compliance parameters are above 90% data validity; no operational issues
- Wind speed and direction data was taken from Estevan airport
- Calibration performed Feb. 10

SESAA Glen Ewen Station - February 2016 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	0.2	95%	0.6	Feb-05	-	-	2.4	Feb-05 14:00	-	-
NO ₂	ppb	1.6	95%	3.5	Feb-01	106	0	8.7	Feb-14 19:00	159	0
NO _x	ppb	1.9	95%	3.8	Feb-05	-	-	9.0	Feb-14 19:00	-	-
SO ₂	ppb	1.4	95%	4.1	Feb-15	48	0	20.3	Feb-15 13:00	172	0
H ₂ S	ppb	0.2	95%	0.3	Feb-19	3.6	0	1.8	Feb-19 06:00	11	0
O ₃	ppb	25.5	95%	31.6	Feb-25	-	-	36.1	Feb-26 15:00	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	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$

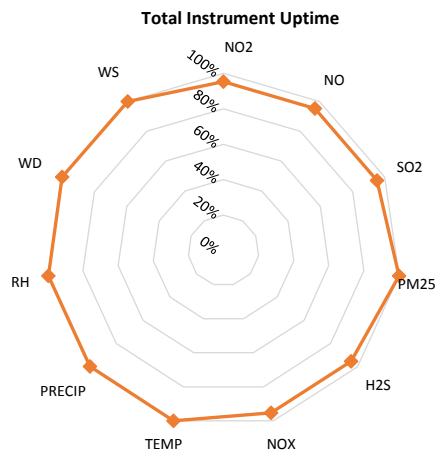
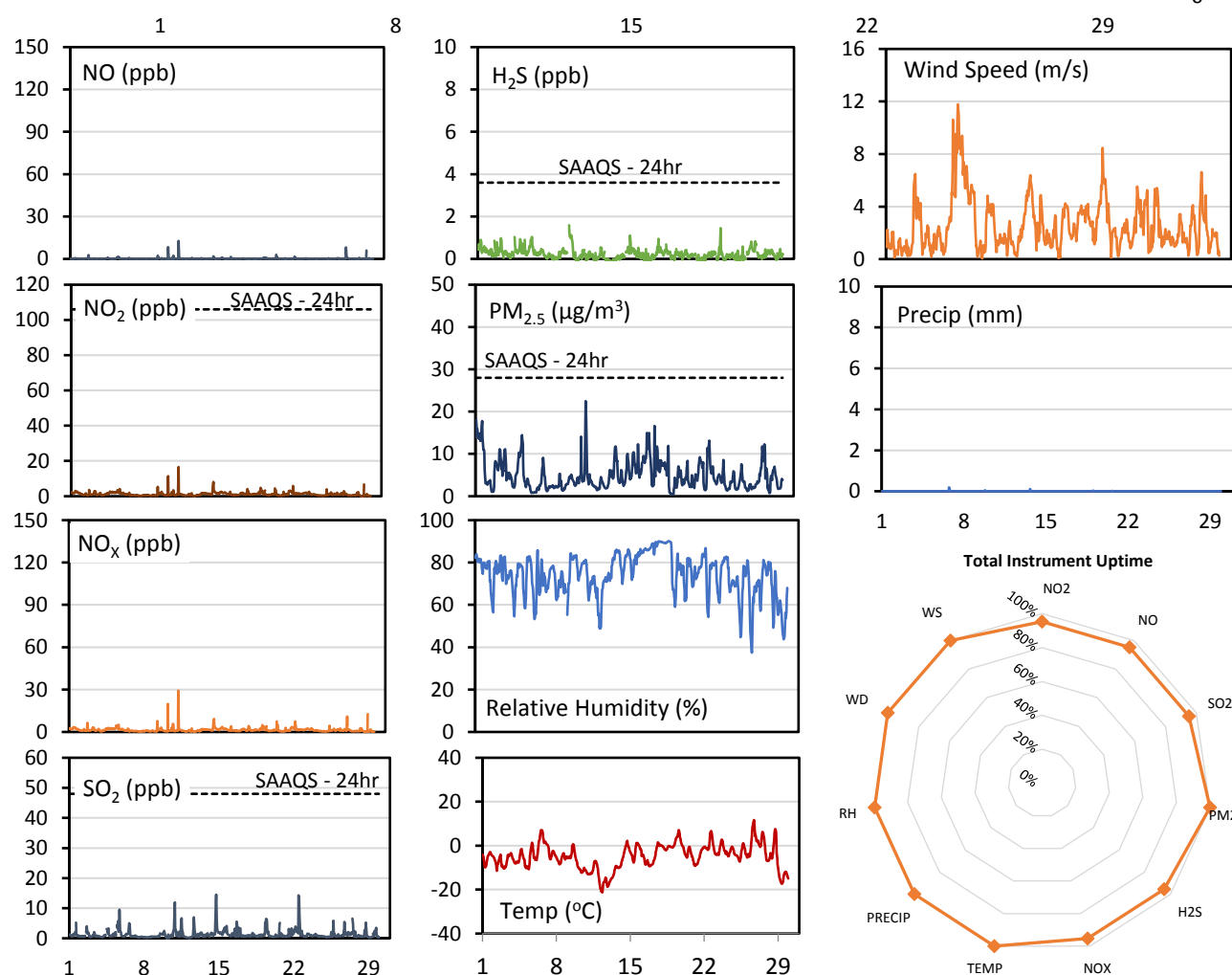
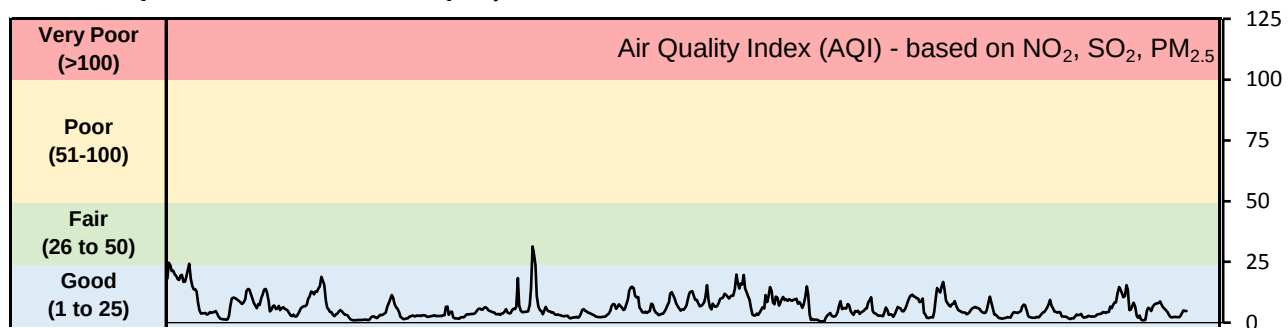
Monthly Update

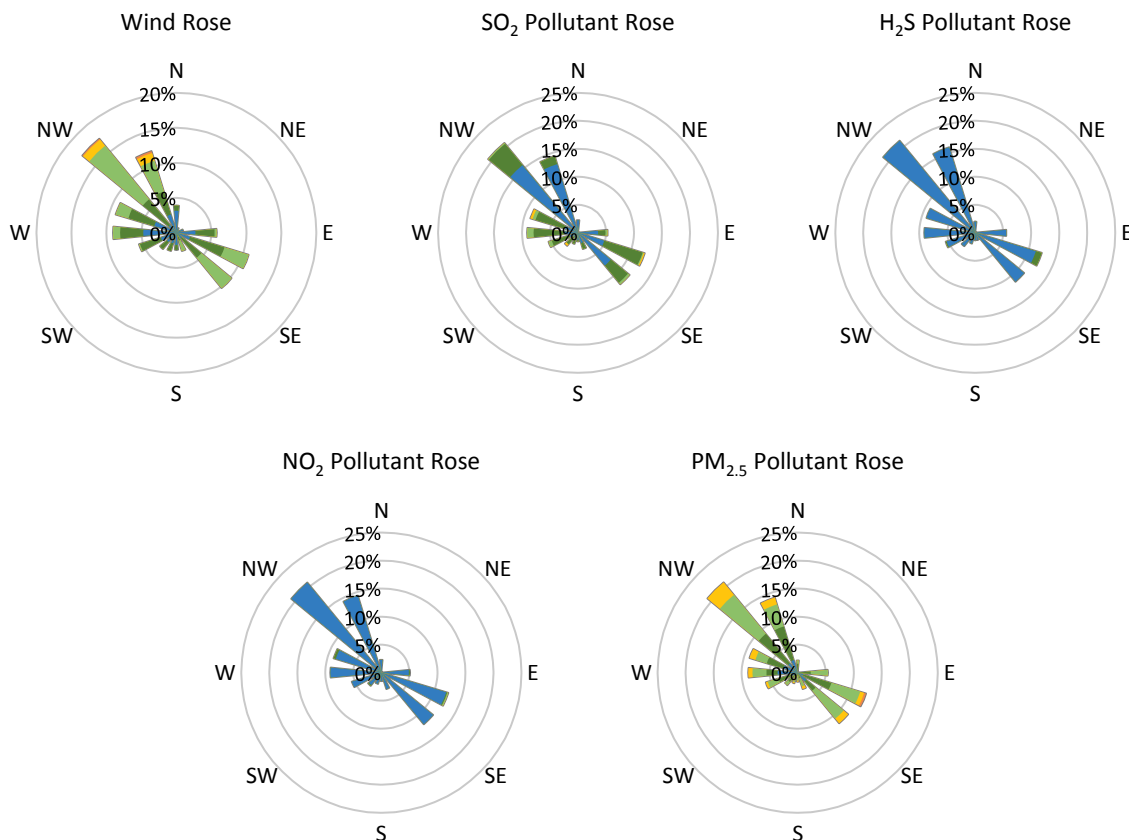
- Achieved 100% of scheduled uptime for all parameters
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed Feb. 9

SESAA Oxbow Station - February 2016 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	0.3	95%	0.7	Feb-11	-	-	12.7	Feb-11 09:00	-	-
NO ₂	ppb	1.2	95%	2.3	Feb-05	106	0	16.6	Feb-11 09:00	159	0
NO _x	ppb	1.5	95%	2.7	Feb-05	-	-	29.3	Feb-11 09:00	-	-
SO ₂	ppb	1.3	95%	3.2	Feb-22	48	0	14.5	Feb-14 18:00	172	0
H ₂ S	ppb	0.2	95%	0.7	Feb-09	3.6	0	1.6	Feb-09 16:00	11	0
PM _{2.5}	µg/m ³	5.0	100%	13.1	Feb-01	28	0	22.5	Feb-11 09:00	-	-

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	

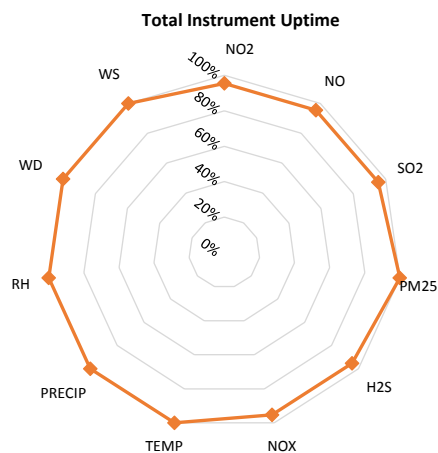
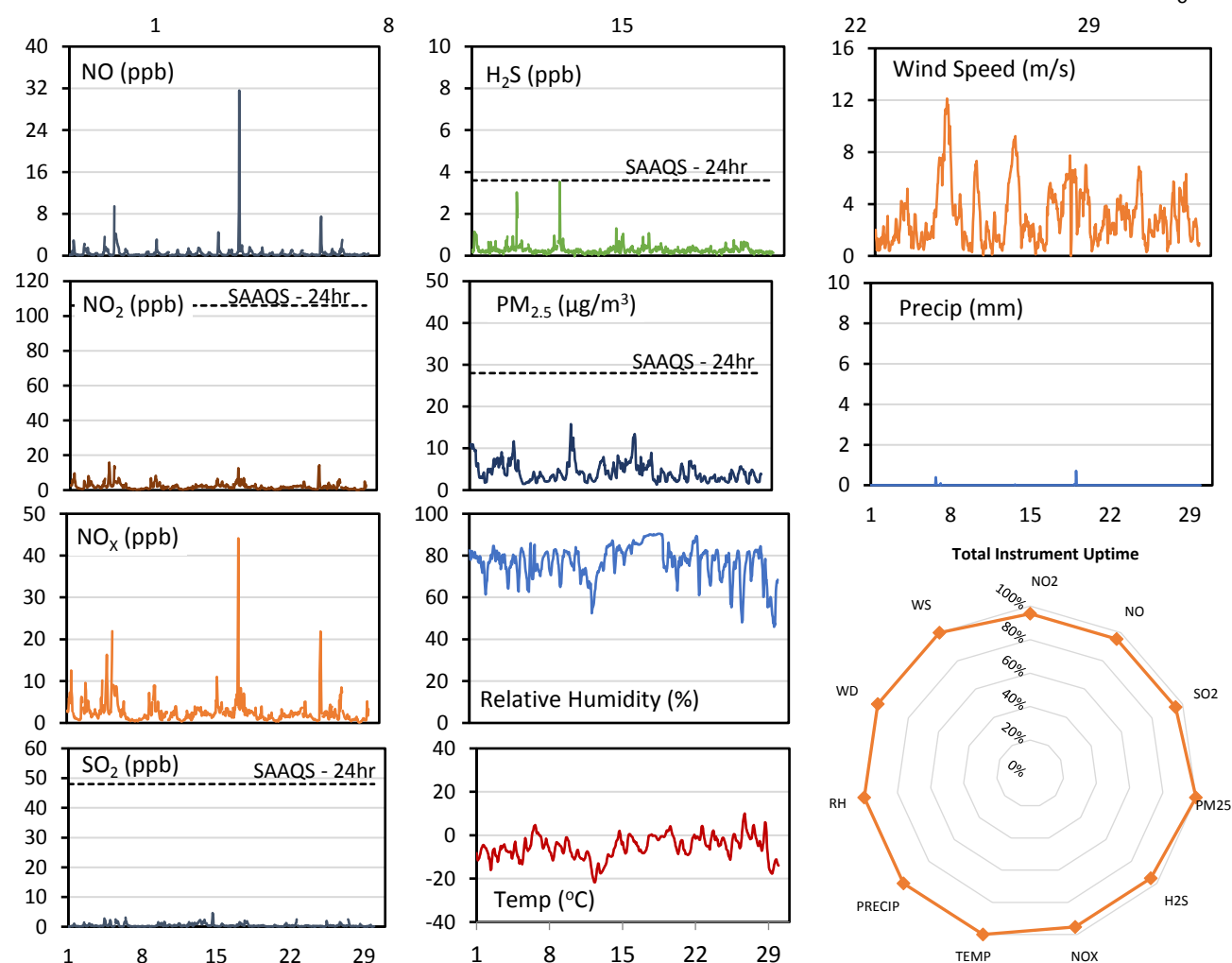
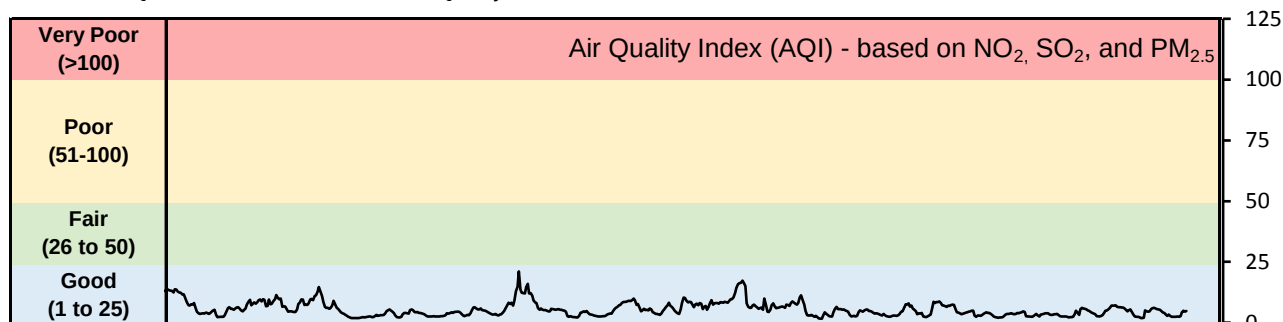
Monthly Update

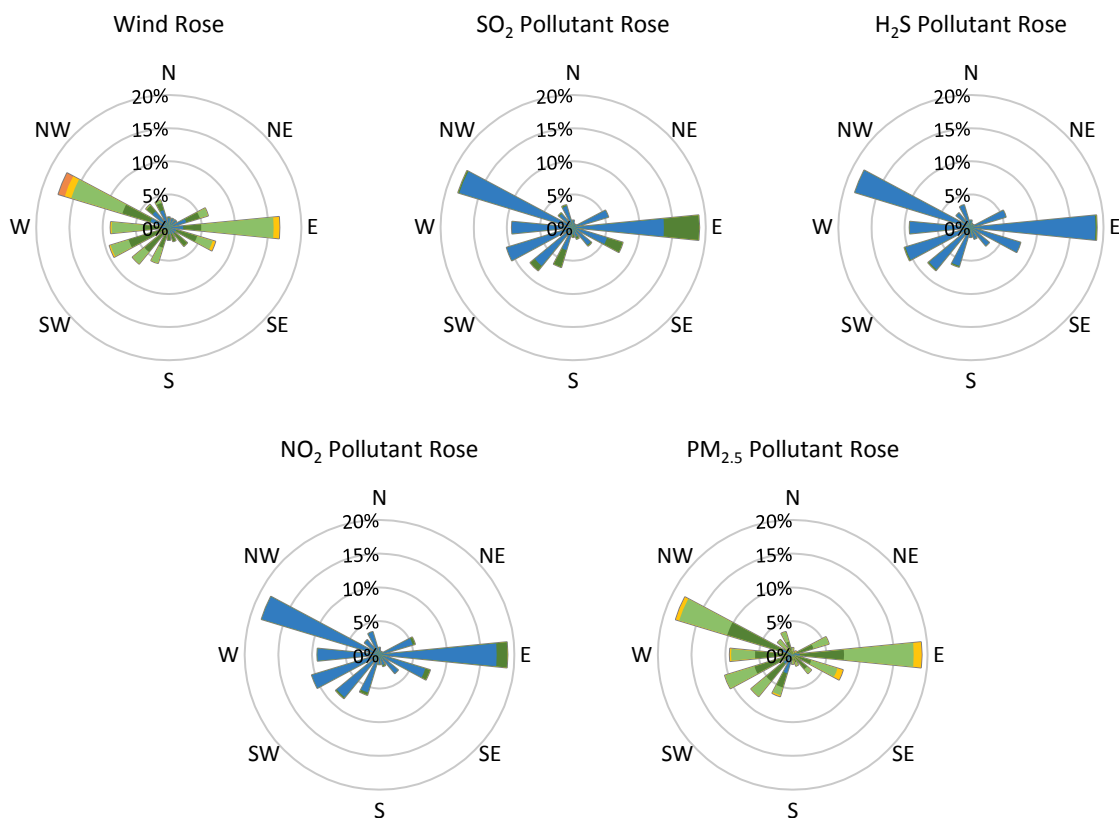
- Achieved 100% of scheduled uptime
- All compliance parameters are above 90% data validity; no operational issues
- Downtime results from routine daily internal zeroes and spans
- Calibration performed Feb. 10

SESAA Stoughton Station - February 2016 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	0.5	95%	2.3	Feb-17	-	-	31.6	Feb-17 11:00	-	-
NO ₂	ppb	2.1	95%	5.0	Feb-05	106	0	15.8	Feb-04 20:00	159	0
NO _x	ppb	2.6	95%	6.6	Feb-05	-	-	44.1	Feb-17 11:00	-	-
SO ₂	ppb	0.5	95%	1.5	Feb-13	48	0	4.6	Feb-14 16:00	172	0
H ₂ S	ppb	0.3	95%	0.6	Feb-09	3.6	0	3.5	Feb-09 11:00	11	0
PM _{2.5}	µg/m ³	4.4	100%	8.4	Feb-01	28	0	15.8	Feb-11 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}	µg/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

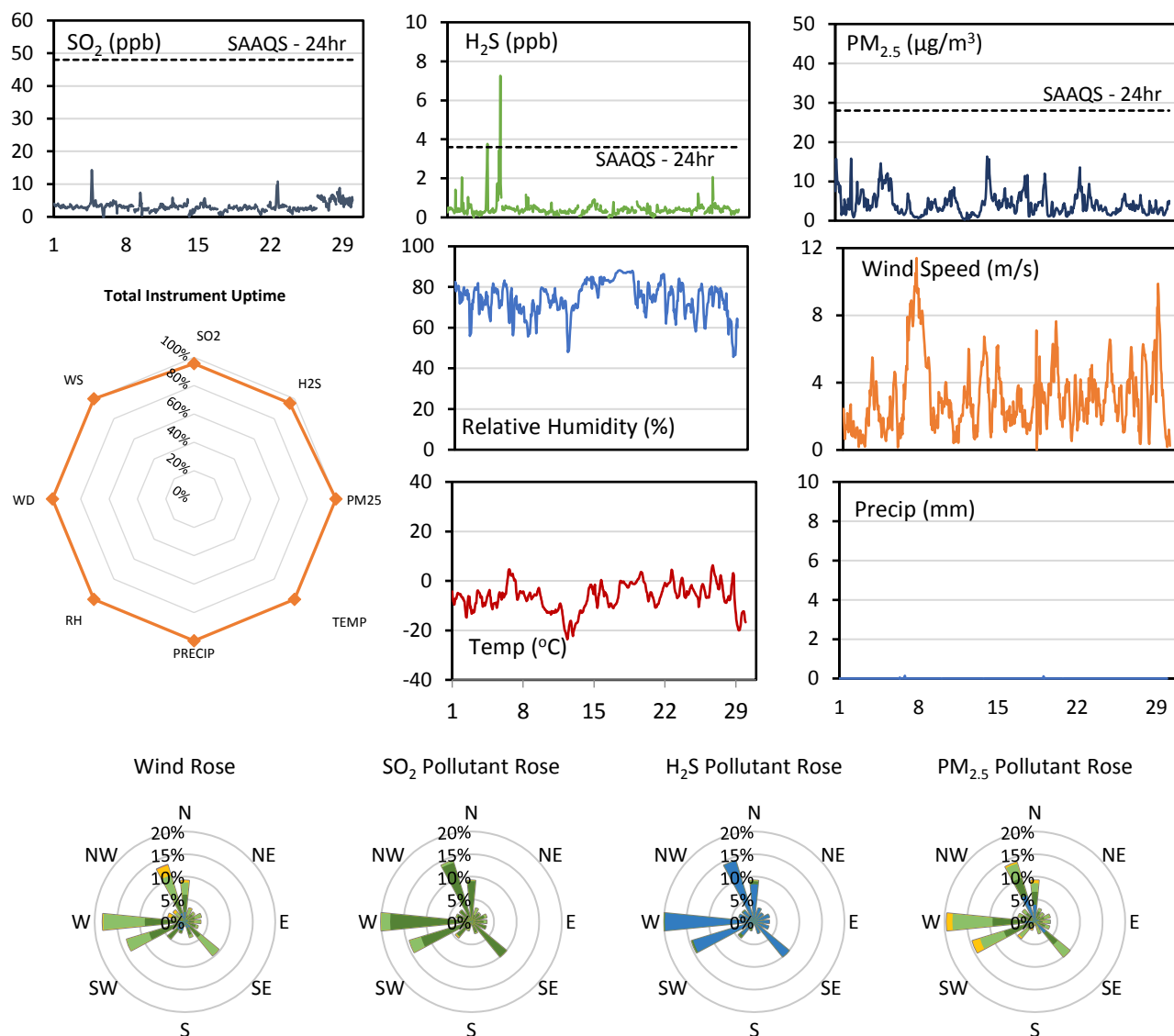
Monthly Update

- Achieved 100% of scheduled uptime for all parameters
- Downtime due to routine daily internal zeroes and spans
- All compliance parameters are above 90% validity
- Calibration performed Feb. 10

SESAA Wauchope Station - February 2016 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	3.2	96%	5.8	Feb-28	48	0	14.3	Feb-04 16:00	172	0
H ₂ S	ppb	0.4	96%	1.2	Feb-06	3.6	0	7.3	Feb-06 06:00	11	0
PM _{2.5}	µg/m ³	4.2	100%	9.6	Feb-05	28	0	16.3	Feb-14 04:00	-	-

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

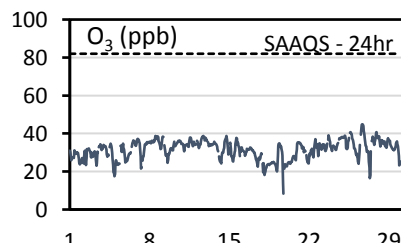
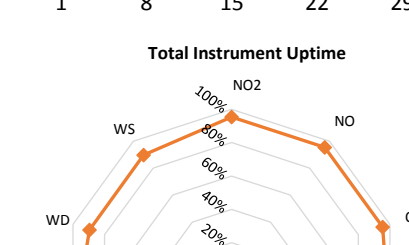
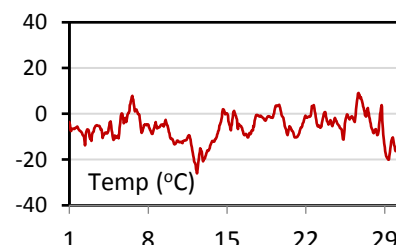
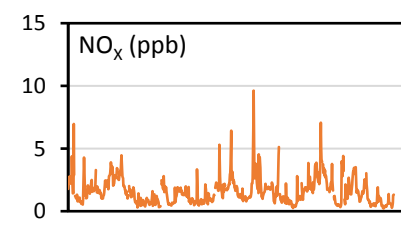
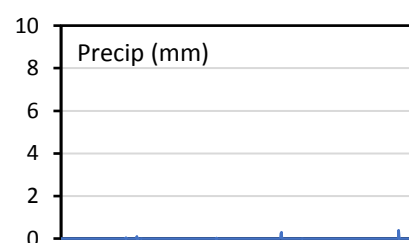
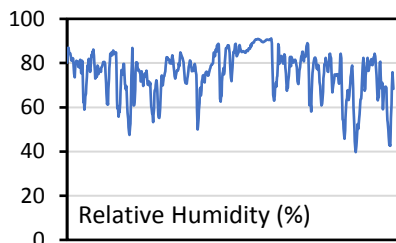
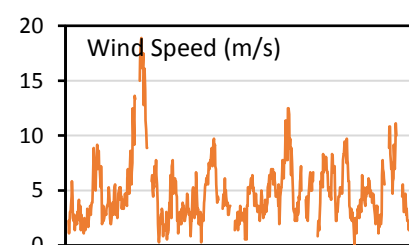
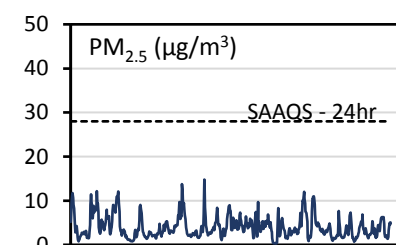
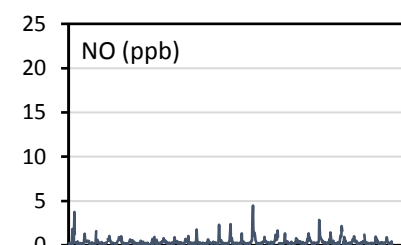
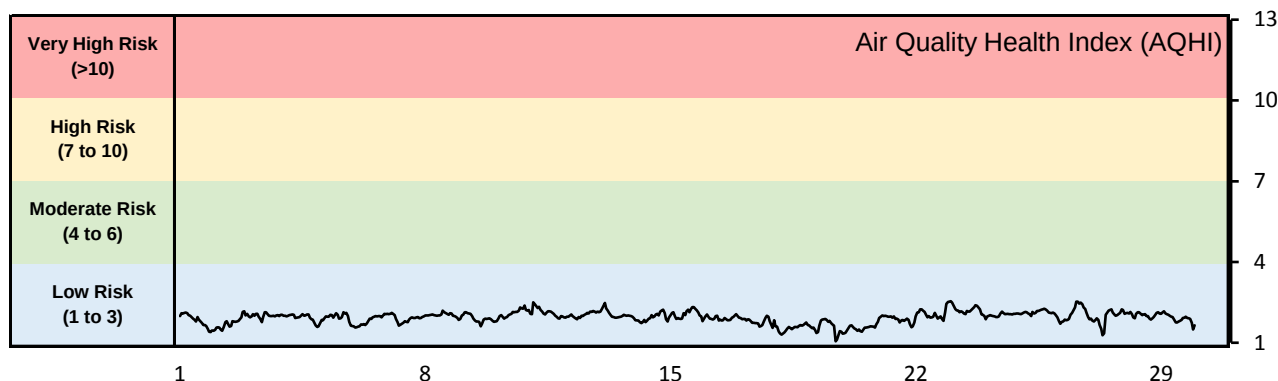
Monthly Update

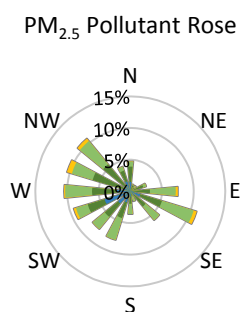
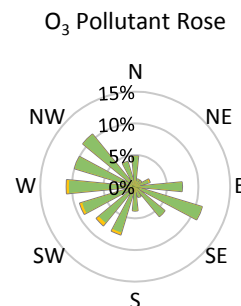
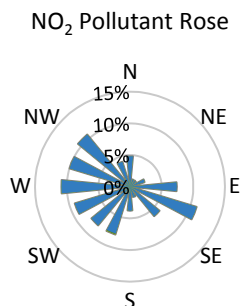
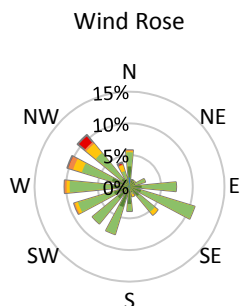
- Achieved 100% of scheduled uptime
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- Calibration performed Feb. 8
- All compliance parameters are above 90% data validity; no operational issues

SESAA Wawota Station - February 2016 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	0.4	95%	0.8	Feb-17	-	-	4.5	Feb-17 12:00	-	-
NO ₂	ppb	1.2	95%	2.9	Feb-23	106	0	5.1	Feb-17 12:00	159	0
NO _x	ppb	1.6	95%	3.4	Feb-23	-	-	9.6	Feb-17 12:00	-	-
O ₃	ppb	31.5	95%	36.6	Feb-25	-	-	44.7	Feb-26 15:00	82	0
PM _{2.5}	µg/m ³	4.0	100%	6.4	Feb-03	28	0	14.8	Feb-13 02:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





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

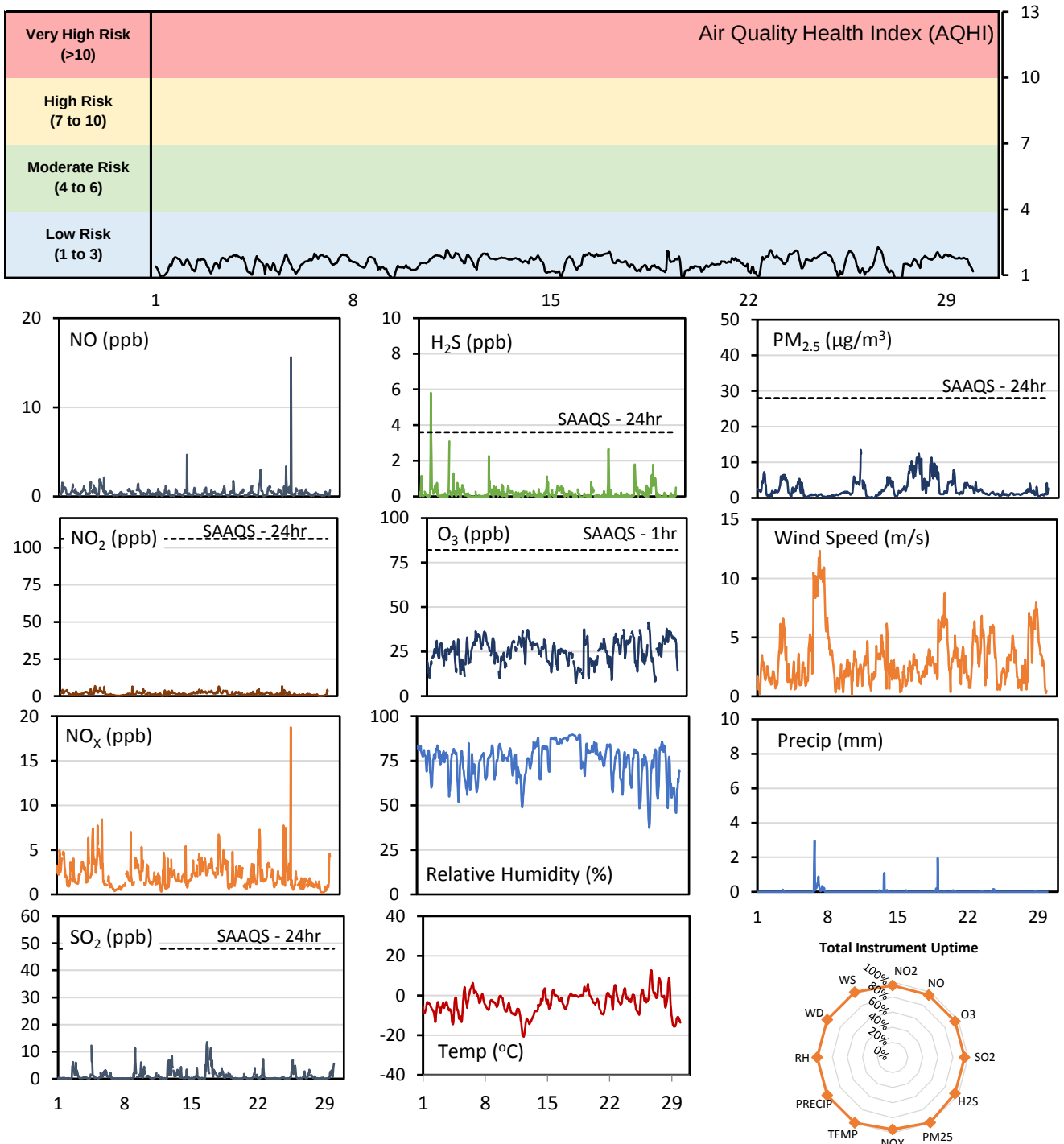
Monthly Update

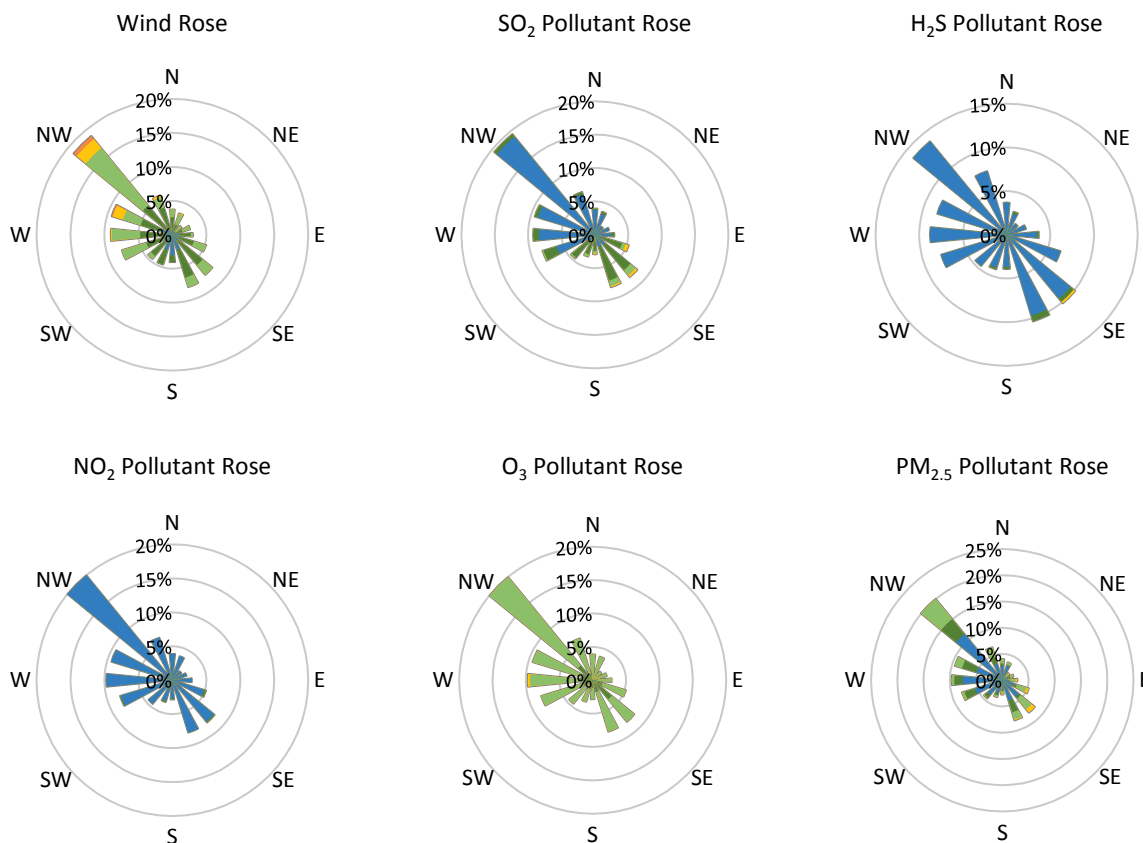
- Achieved 100% of scheduled uptime for all parameters except wind speed and direction (90%)
- Downtime due to routine daily internal zeroes and spans
- All compliance parameters are above 90% validity
- Wind speed and wind direction data from Estevan airport
- Calibration performed Feb. 8

SESAA Weyburn Station - February 2016 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	0.4	95%	1.4	Feb-25	-	-	15.6	Feb-25 19:00	-	-
NO ₂	ppb	1.7	95%	3.4	Feb-18	106	0	6.8	Feb-04 19:00	159	0
NO _x	ppb	2.1	95%	3.9	Feb-05	-	-	18.8	Feb-25 19:00	-	-
SO ₂	ppb	1.1	95%	3.6	Feb-16	48	0	13.6	Feb-16 15:00	172	0
H ₂ S	ppb	0.2	95%	0.8	Feb-02	3.6	0	5.8	Feb-02 08:00	11	0
O ₃	ppb	25.1	95%	32.2	Feb-07	-	-	41.4	Feb-26 14:00	82	0
PM _{2.5}	µg/m ³	2.5	100%	8.0	Feb-16	28	0	13.5	Feb-11 07:00	-	-

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	
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82	
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
- Downtime due to routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity
- Calibration performed Feb. 11