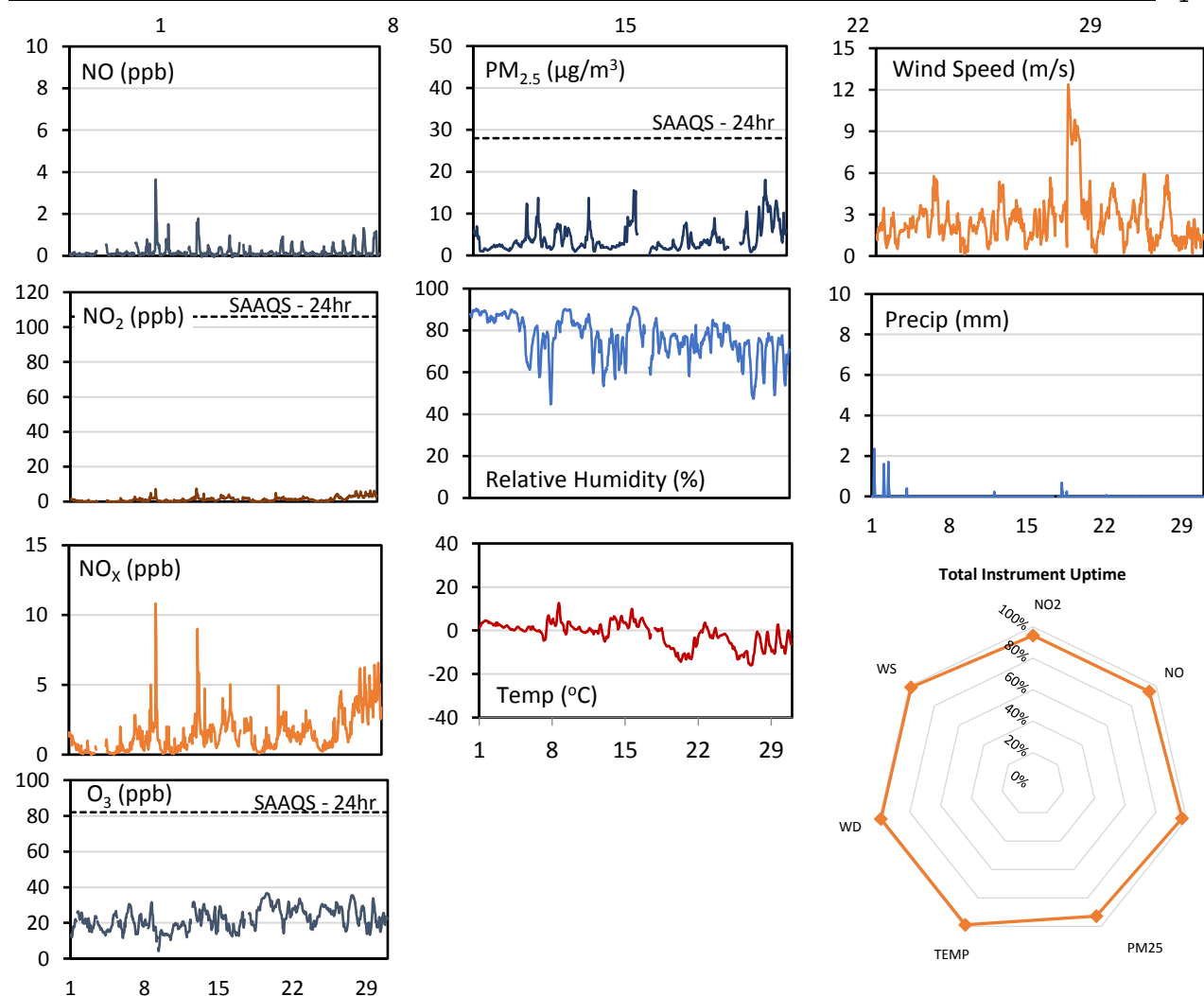
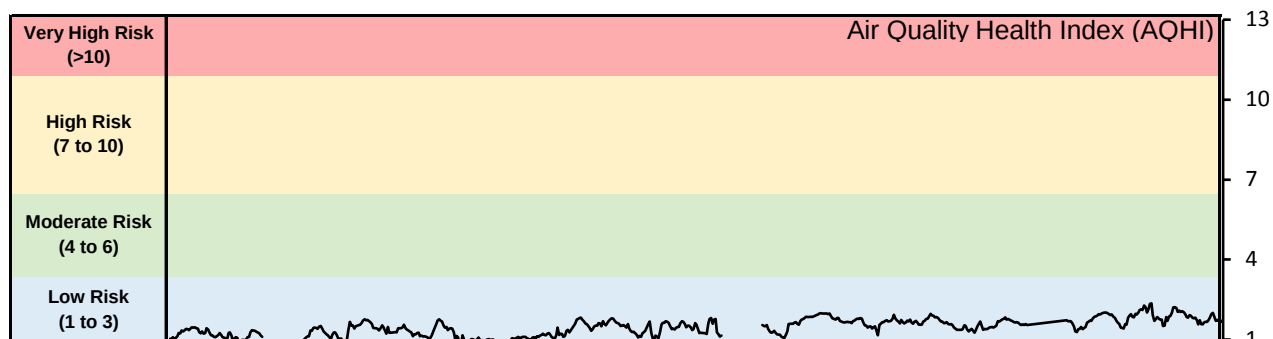


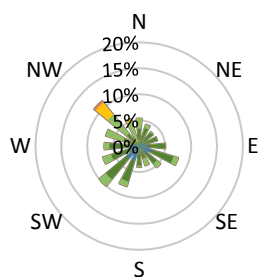
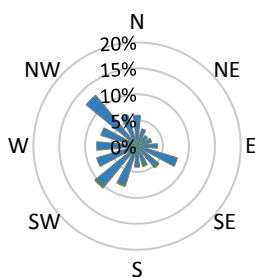
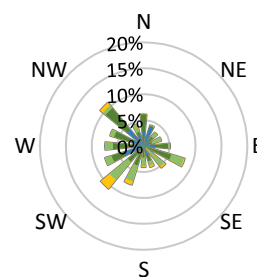
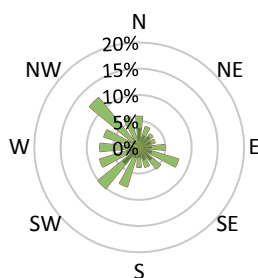
SESAA Esterhazy Station - November 2015 Summary Report

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	94%	0.6	Nov-09	-	-	3.6	Nov-09 08:00	-	-
NO ₂	ppb	1.3	94%	4.1	Nov-30	106	0	7.4	Nov-13 08:00	159	0
NO _x	ppb	1.5	94%	4.5	Nov-30	-	-	10.8	Nov-09 08:00	-	-
O ₃	ppb	22.3	97%	34.2	Nov-19	-	-	36.6	Nov-19 13:00	82	0
PM _{2.5}	µg/m ³	4.0	93%	10.3	Nov-29	28	0	18.1	Nov-28 23:00	-	-

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

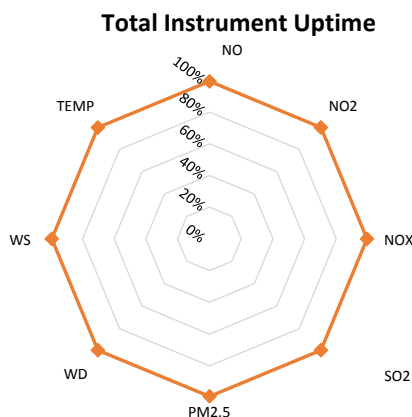
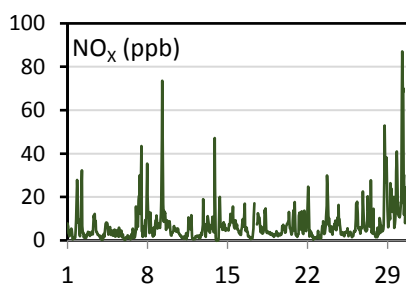
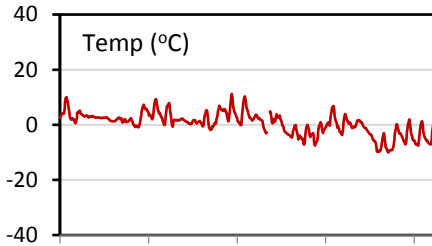
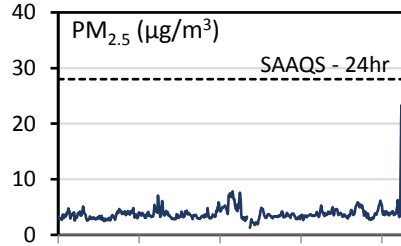
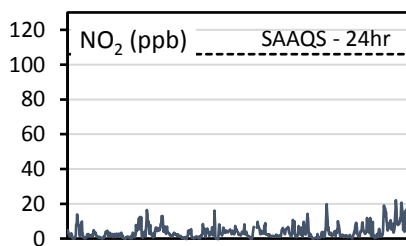
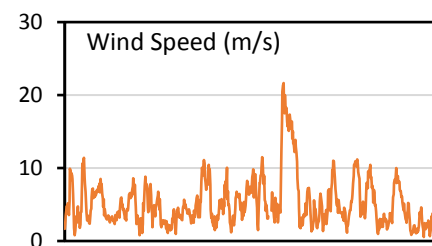
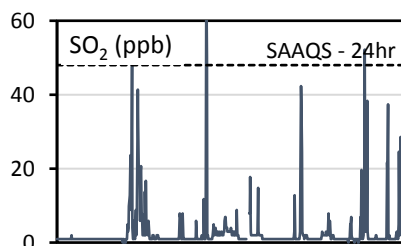
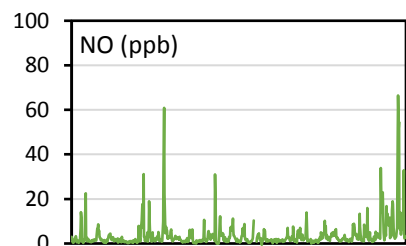
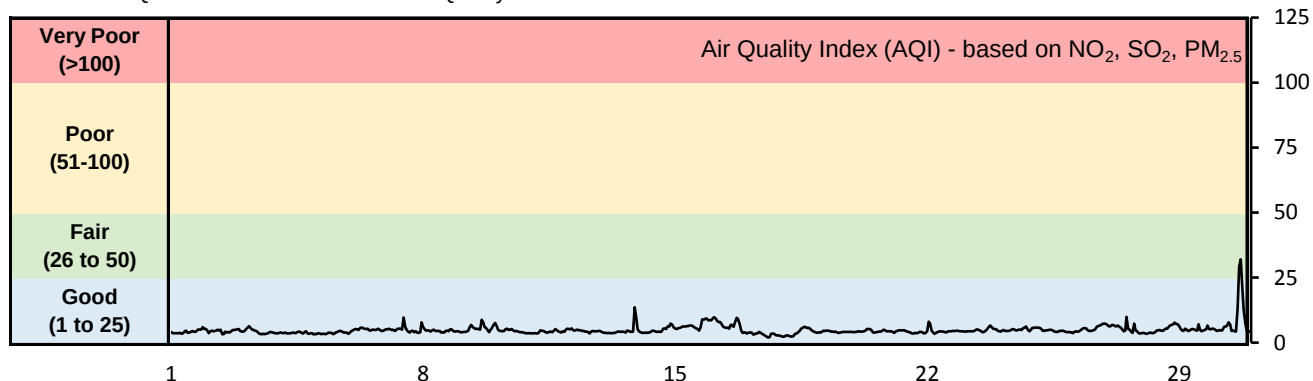
Monthly Update

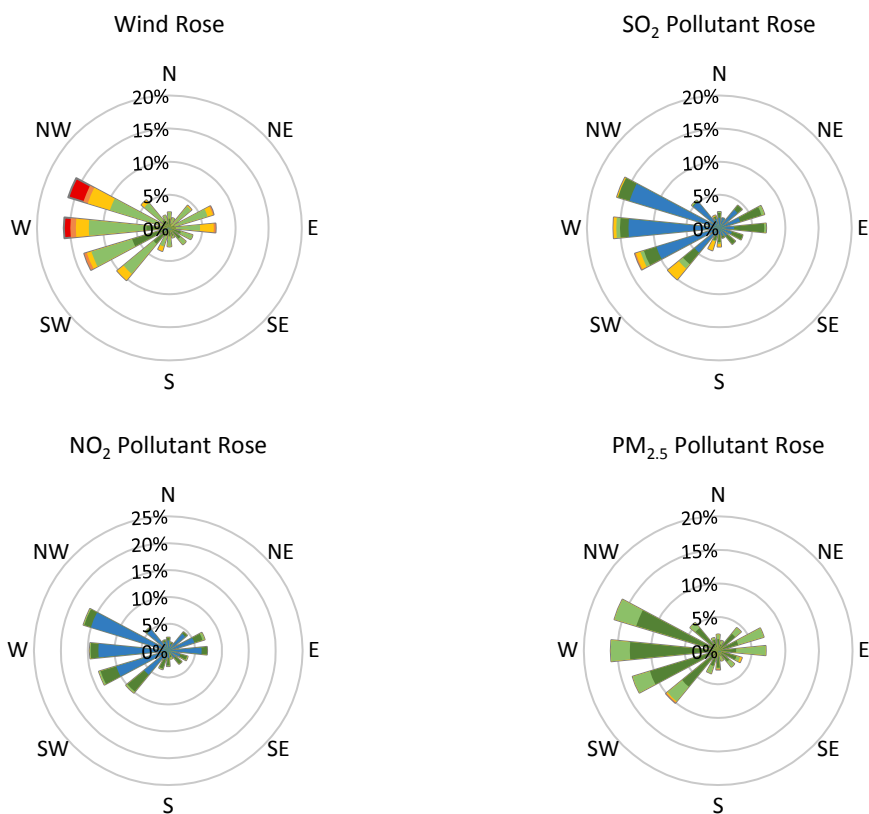
- Achieved 93-99% of scheduled uptime
- Downtime due to operational issues and routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity
- Calibration performed November 12

SESAA Estevan Station - November 2015 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	3.6	99%	15.4	Nov-30	-	-	66.4	Nov-30 07:00	-	-
NO ₂	ppb	3.7	99%	11.3	Nov-30	106	0	22.1	Nov-29 19:00	159	0
NO _x	ppb	7.4	99%	26.7	Nov-30	-	-	87.1	Nov-30 07:00	-	-
SO ₂	ppb	2.8	99%	10.4	Nov-07	48	0	71.8	Nov-13 21:00	172	0
PM _{2.5}	µg/m ³	3.8	99%	6.7	Nov-30	28	0	23.3	Nov-30 17:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
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}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

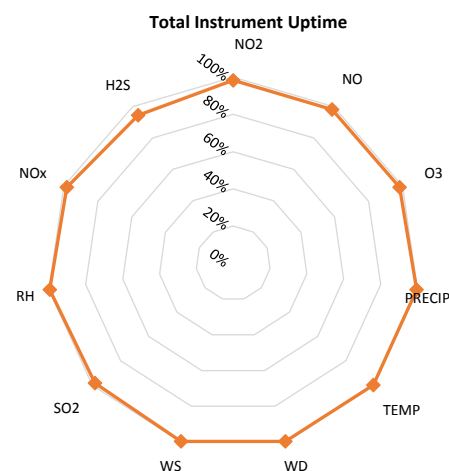
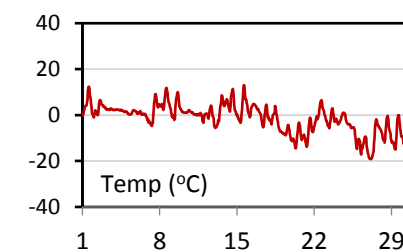
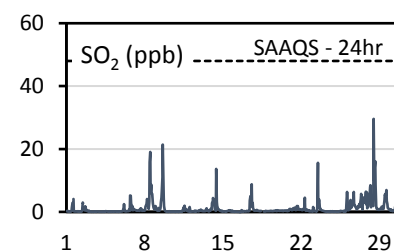
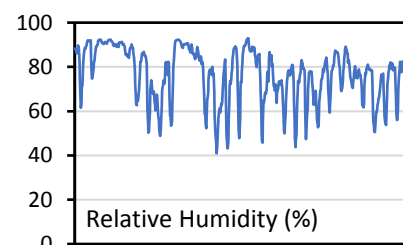
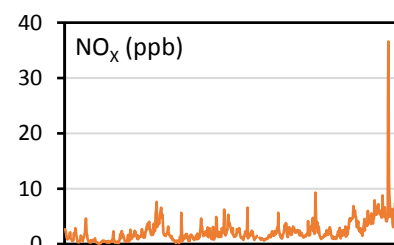
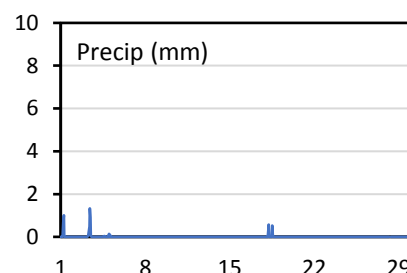
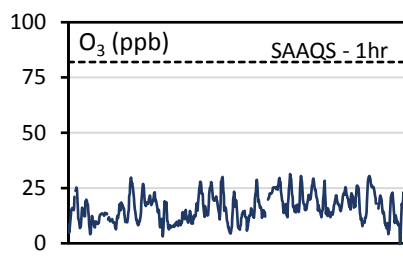
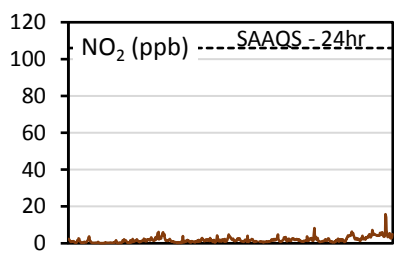
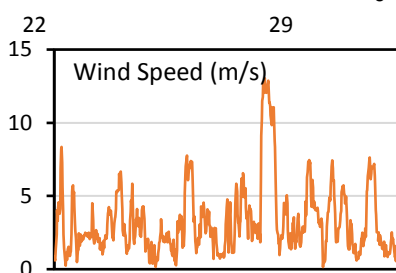
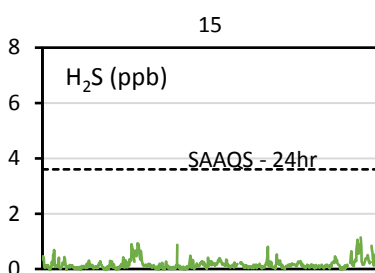
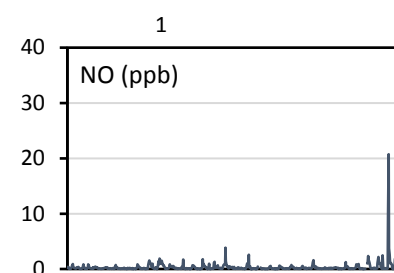
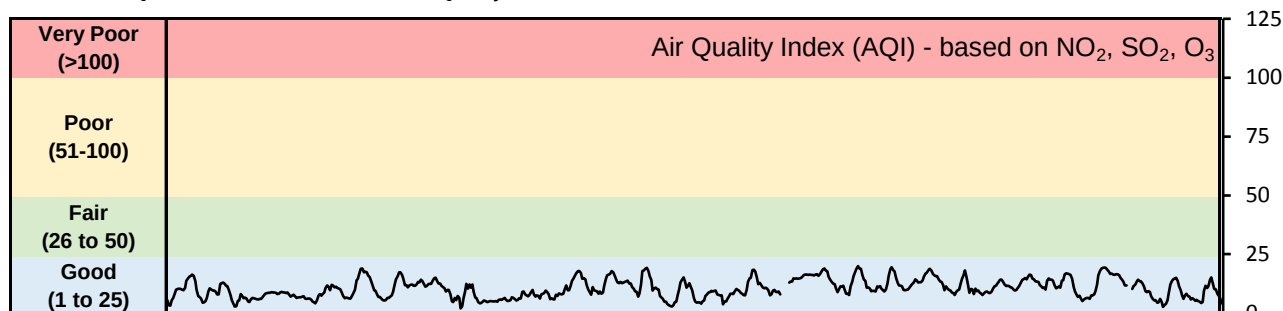
Monthly Update

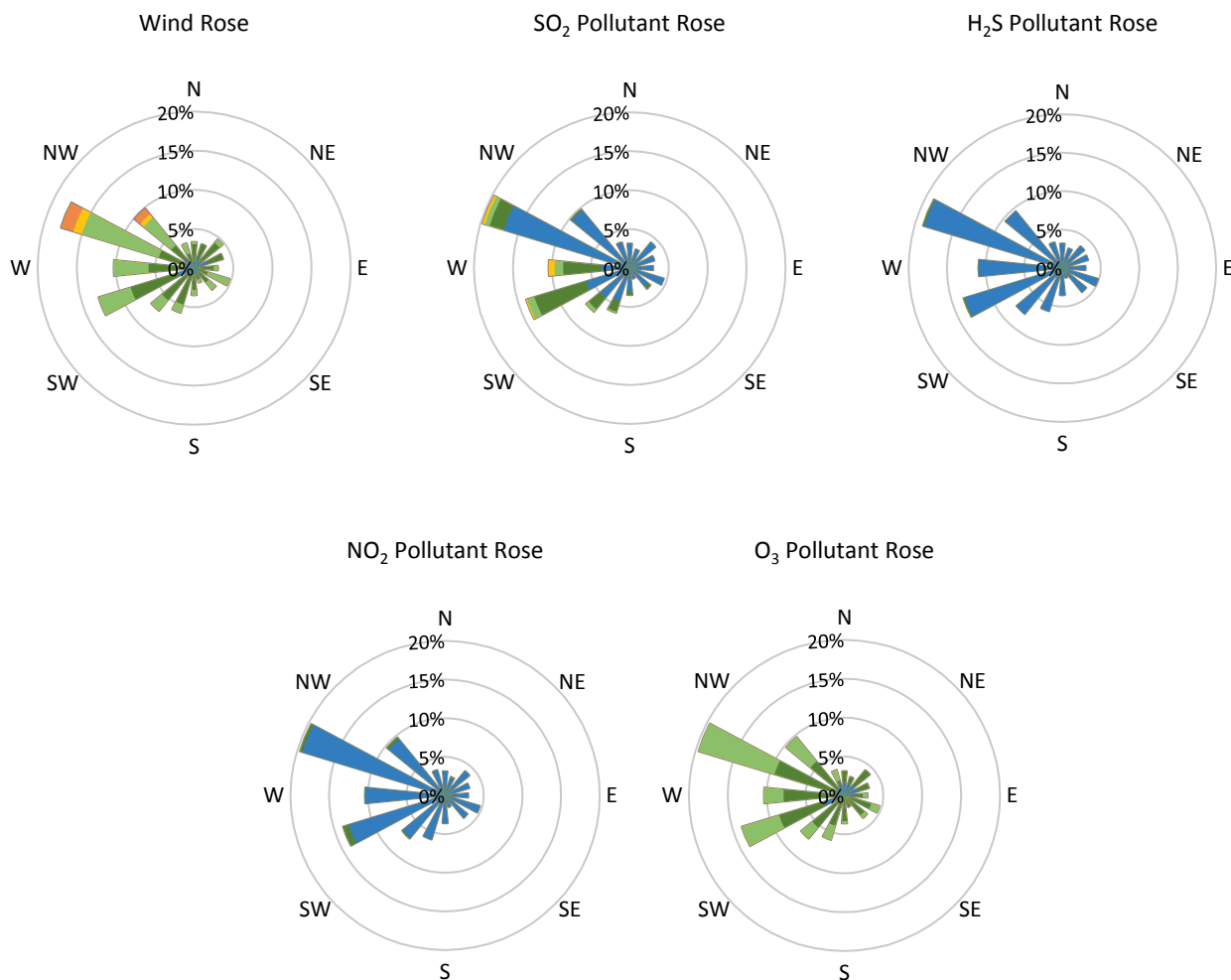
- Achieved 100% of scheduled uptime
- Downtime of <1% results from routine maintenance
- Calibration performed November 17

SESAA Glen Ewen Station - November 2015 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	98%	1.9	Nov-30	-	-	20.7	Nov-30 09:00	-	-
NO ₂	ppb	1.8	98%	5.2	Nov-30	106	0	15.8	Nov-30 08:00	159	0
NO _x	ppb	2.2	98%	7.6	Nov-30	-	-	36.6	Nov-30 09:00	-	-
SO ₂	ppb	1.1	98%	5.7	Nov-28	48	0	29.6	Nov-28 12:00	172	0
H ₂ S	ppb	0.2	95%	0.5	Nov-09	3.6	0	1.1	Nov-29 10:00	11	0
O ₃	ppb	16.1	98%	24.7	Nov-19	-	-	31.3	Nov-20 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	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$

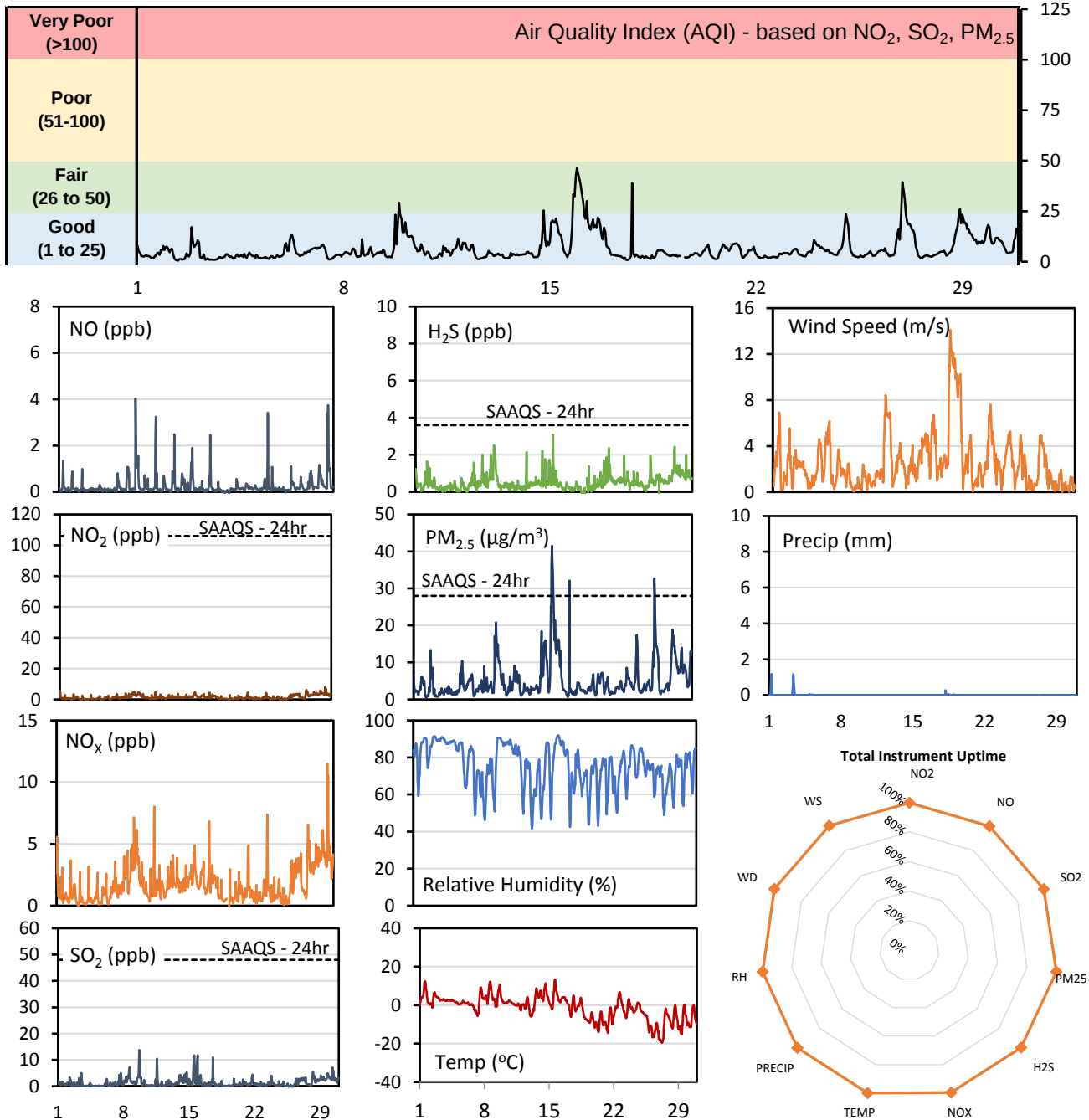
Monthly Update

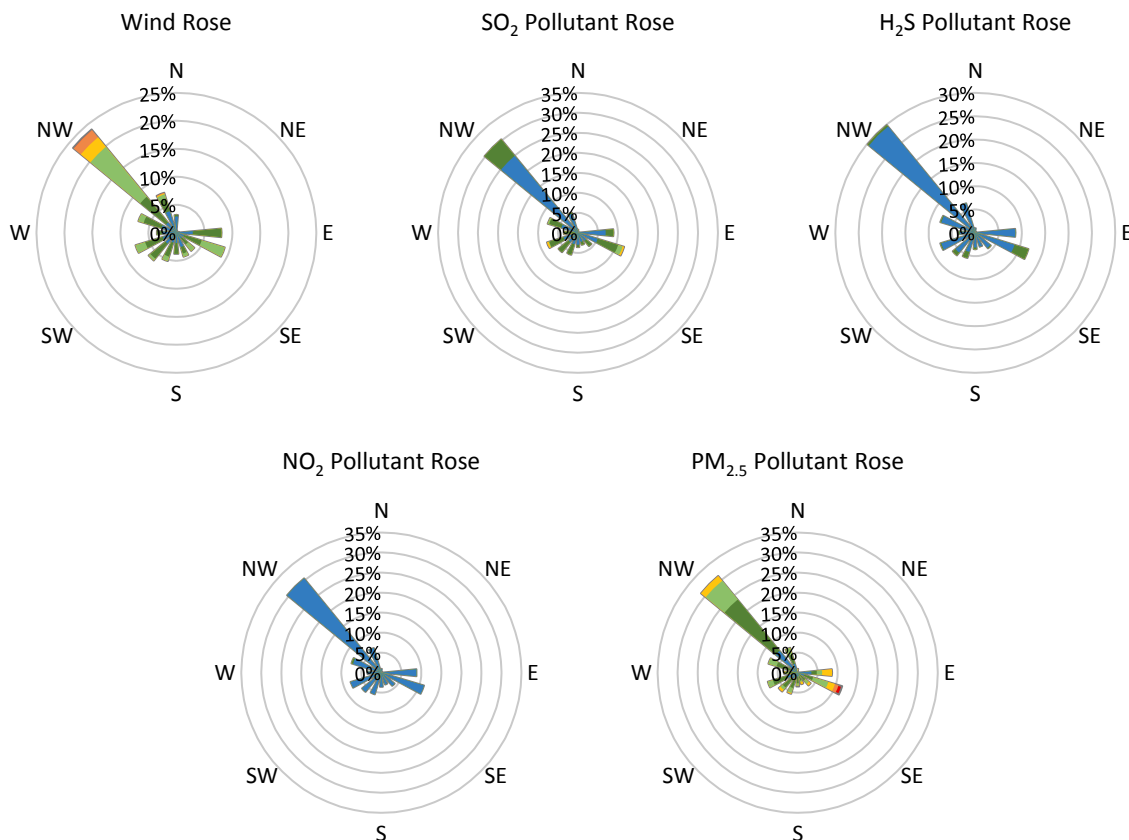
- Achieved >99% of scheduled uptime
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed November 18

SESAA Oxbow Station - November 2015 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	100%	0.7	Nov-30	-	-	4.0	Nov-09 09:00	-	-
NO ₂	ppb	1.5	100%	3.8	Nov-29	106	0	8.1	Nov-30 08:00	159	0
NO _x	ppb	1.7	100%	4.5	Nov-30	-	-	11.5	Nov-30 08:00	-	-
SO ₂	ppb	1.3	100%	3.7	Nov-15	48	0	13.8	Nov-09 16:00	172	0
H ₂ S	ppb	0.5	100%	1.2	Nov-29	3.6	0	3.1	Nov-15 22:00	11	0
PM _{2.5}	µg/m ³	5.2	100%	15.8	Nov-16	28	0	41.5	Nov-15 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	
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	

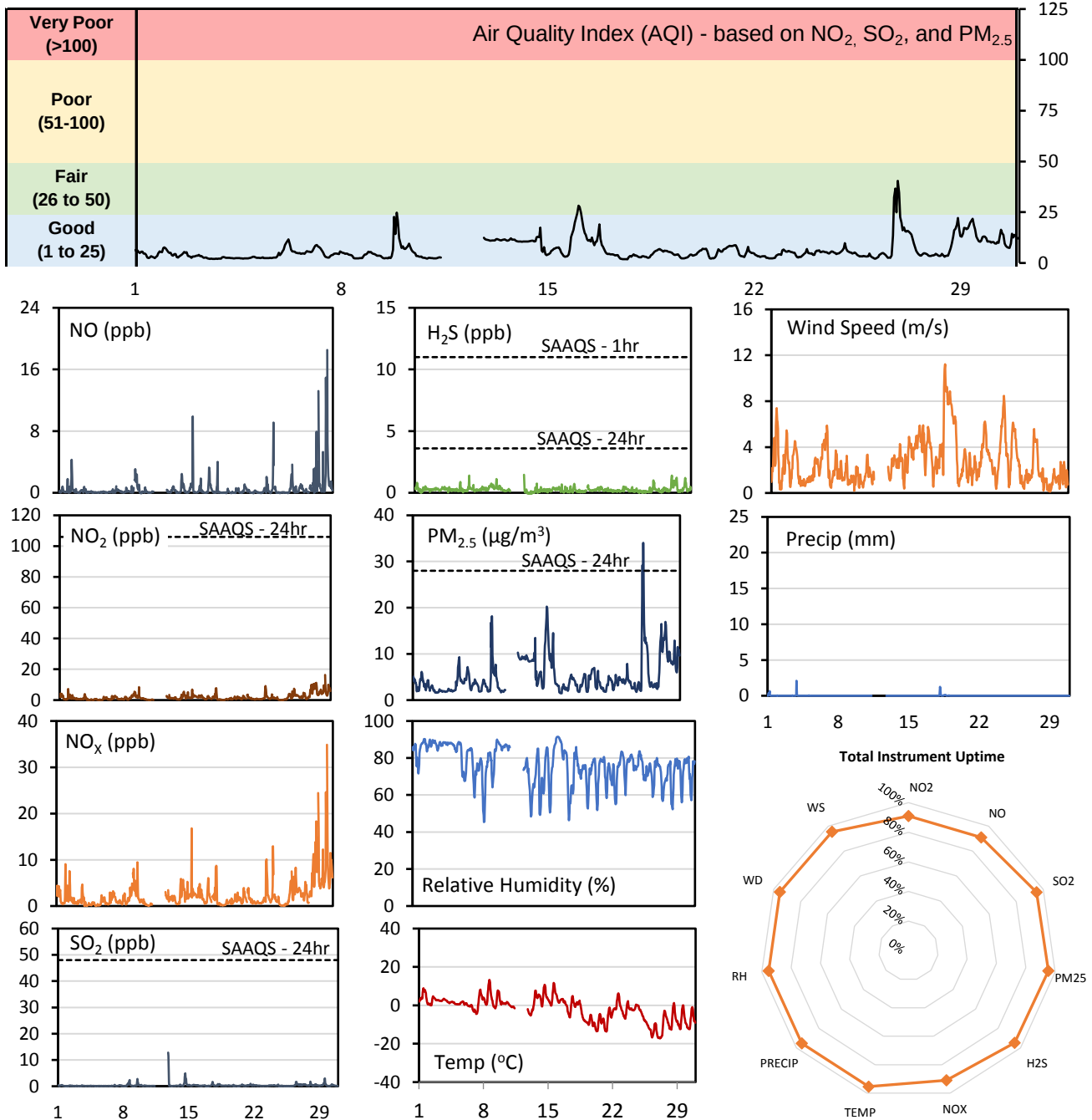
Monthly Update

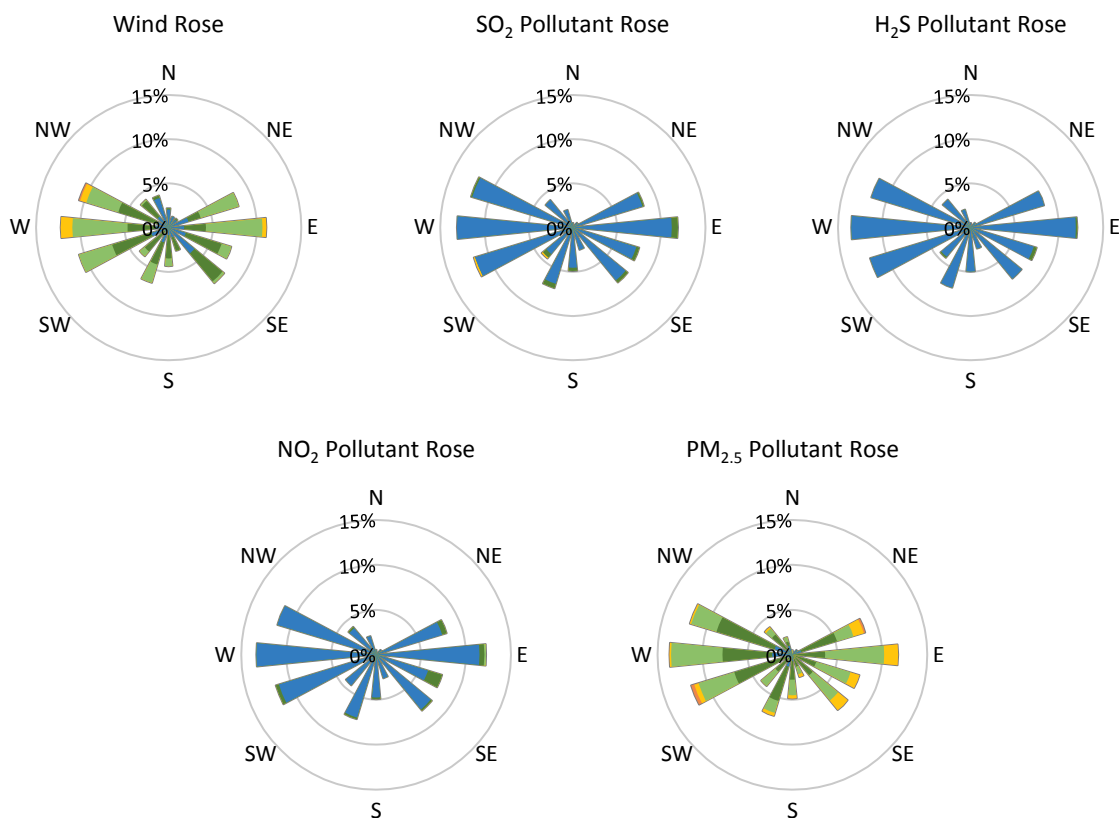
- Achieved 100% of scheduled uptime
- Downtime (<1%) results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed November 19

SESAA Stoughton Station - November 2015 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	91%	2.9	Nov-30	-	-	18.5	Nov-30 09:00	-	-
NO ₂	ppb	1.8	91%	6.7	Nov-29	106	0	16.3	Nov-30 09:00	159	0
NO _x	ppb	2.3	91%	9.3	Nov-30	-	-	34.9	Nov-30 09:00	-	-
SO ₂	ppb	0.3	95%	5.2	Nov-12	48	0	12.8	Nov-12 19:00	172	0
H ₂ S	ppb	0.3	95%	0.6	Nov-12	3.6	0	1.5	Nov-12 21:00	11	0
PM _{2.5}	µg/m ³	5.2	95%	11.6	Nov-29	28	0	34.0	Nov-26 21:00	-	-

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}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

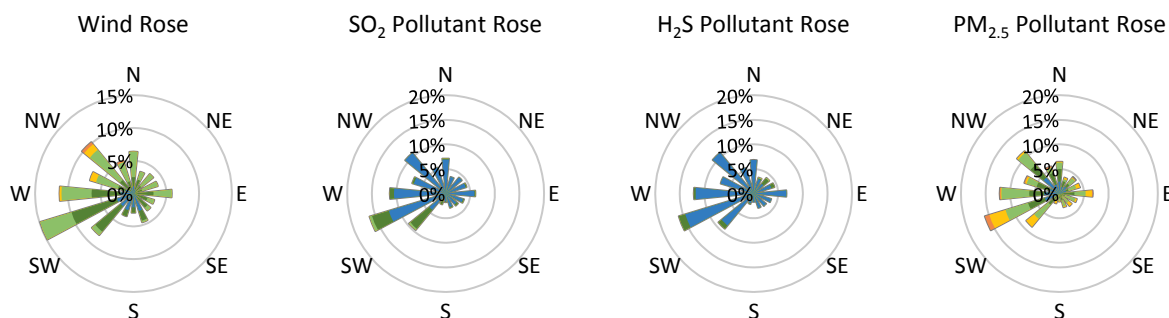
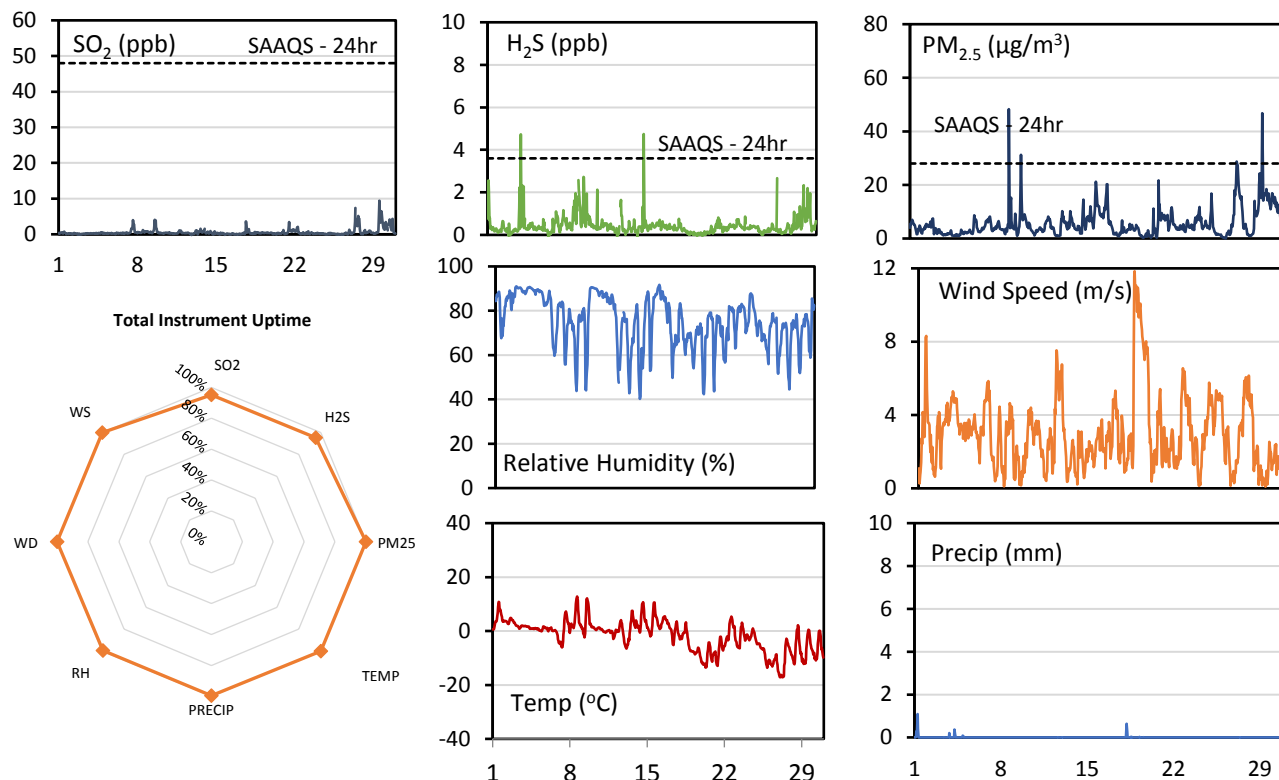
Monthly Update

- Achieved 95% of scheduled uptime
- Downtime results from power failures and routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity
- Calibration performed November 19

SESAA Wauchope Station - November 2015 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	0.6	95%	2.5	Nov-29	48	0	9.4	Nov-29 13:00	172	0
H ₂ S	ppb	0.4	95%	1.2	Nov-09	3.6	0	4.7	Nov-15 06:00	11	0
PM _{2.5}	µg/m ³	5.7	100%	17.0	Nov-29	28	0	48.3	Nov-08 21:00	-	-

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

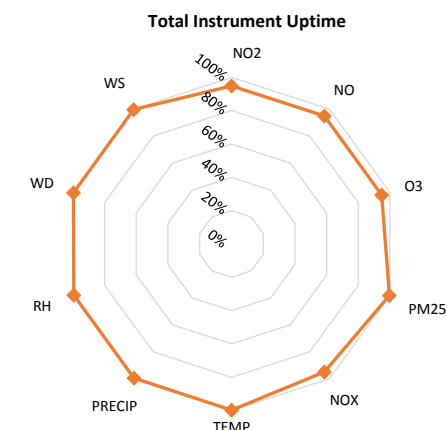
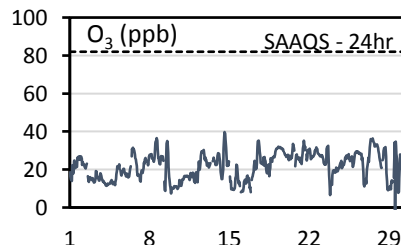
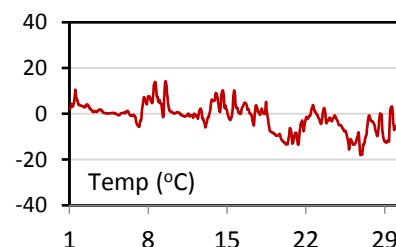
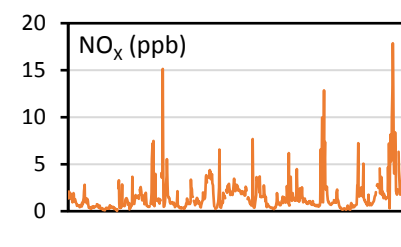
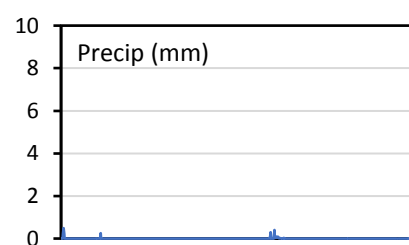
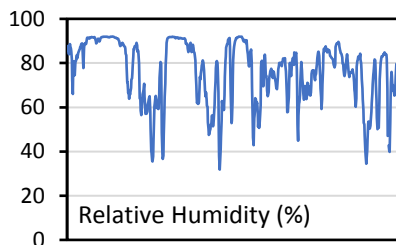
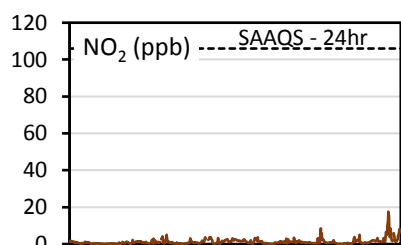
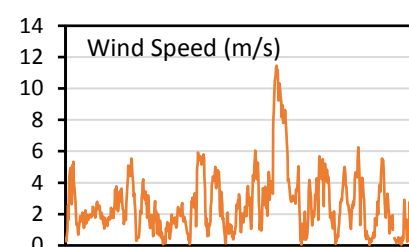
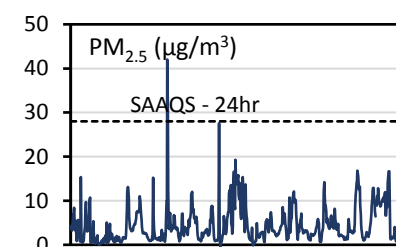
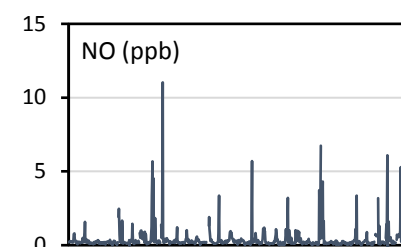
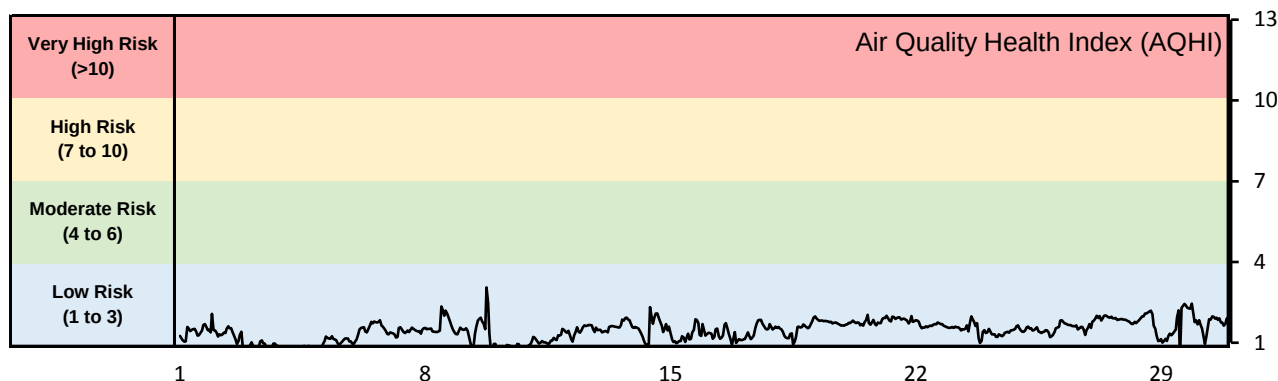
Monthly Update

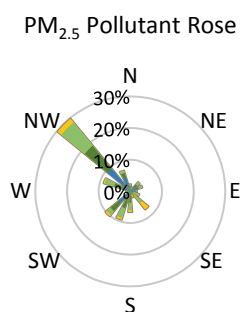
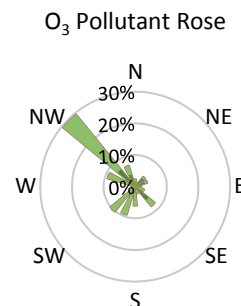
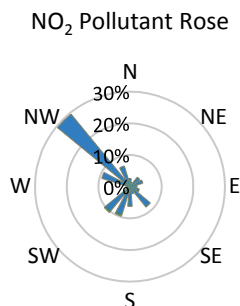
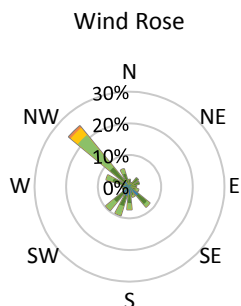
- Achieved 100% of scheduled uptime
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed November 12

SESAA Wawota Station - November 2015 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%	1.0	Nov-23	-	-	11.0	Nov-09 10:00	-	-
NO ₂	ppb	1.2	95%	4.4	Nov-29	106	0	17.5	Nov-29 21:00	159	0
NO _x	ppb	1.6	95%	5.0	Nov-29	-	-	17.9	Nov-29 21:00	-	-
O ₃	ppb	21.8	95%	30.4	Nov-19	-	-	39.7	Nov-14 14:00	82	0
PM _{2.5}	µg/m ³	4.6	100%	10.7	Nov-16	28	0	42.0	Nov-09 18:00	-	-

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	
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	

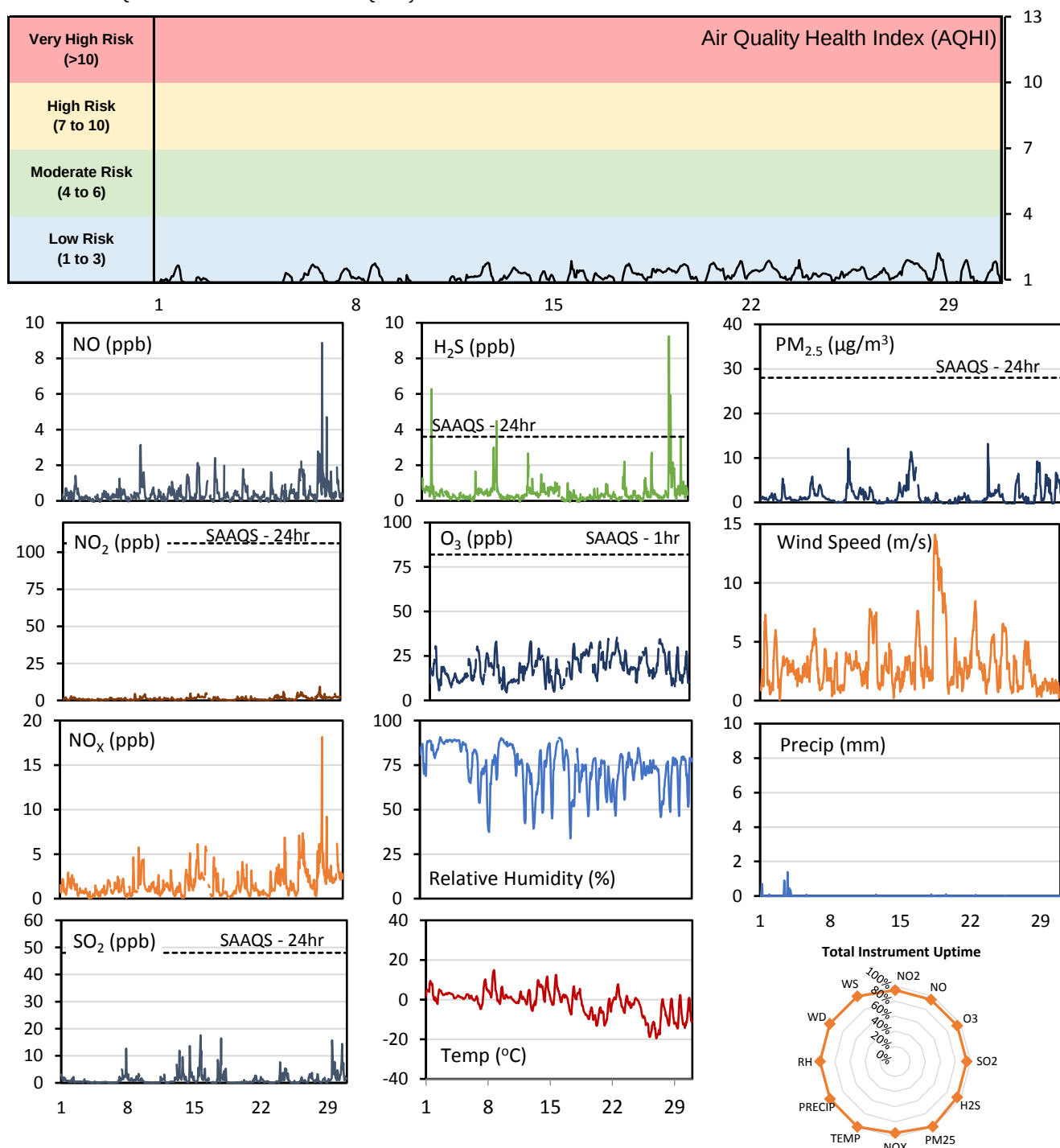
Monthly Update

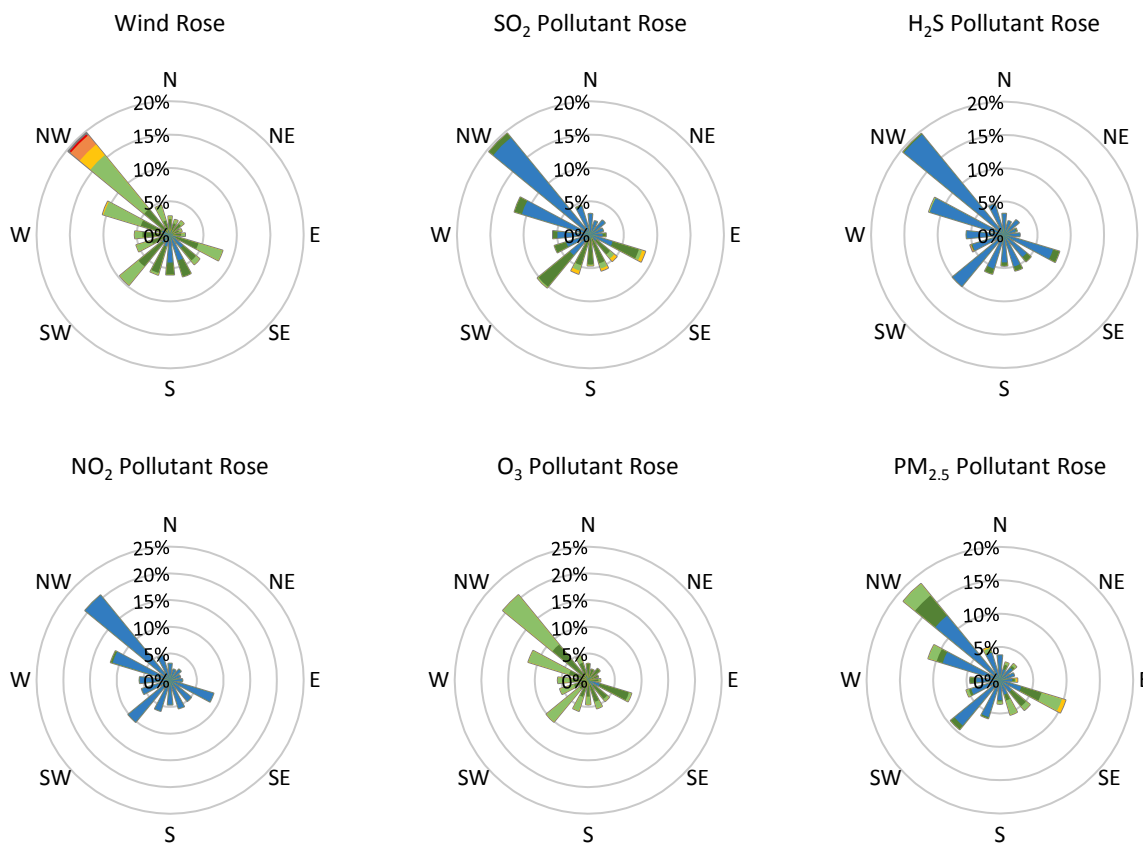
- Achieved 100% of scheduled uptime
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed November 12

SESAA Weyburn Station - November 2015 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	94.7%	1.3	Nov-28	-	-	8.9	Nov-28 19:00	-	-
NO ₂	ppb	1.2	94.7%	2.9	Nov-28	106	0	9.3	Nov-28 19:00	159	0
NO _x	ppb	1.6	94.7%	4.2	Nov-28	-	-	18.1	Nov-28 19:00	-	-
SO ₂	ppb	1.3	94.9%	3.9	Nov-30	48	0	17.6	Nov-15 15:00	172	0
H ₂ S	ppb	0.5	95.0%	1.4	Nov-29	3.6	0	9.2	Nov-28 21:00	11	0
O ₃	ppb	18.5	95.0%	28.2	Nov-22	-	-	35.3	Nov-22 15:00	82	0
PM _{2.5}	µg/m ³	1.5	99.4%	6.1	Nov-16	28	0	13.2	Nov-23 17:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
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
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues
- Calibration performed November 16