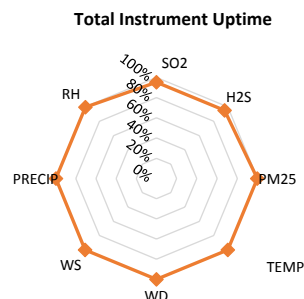
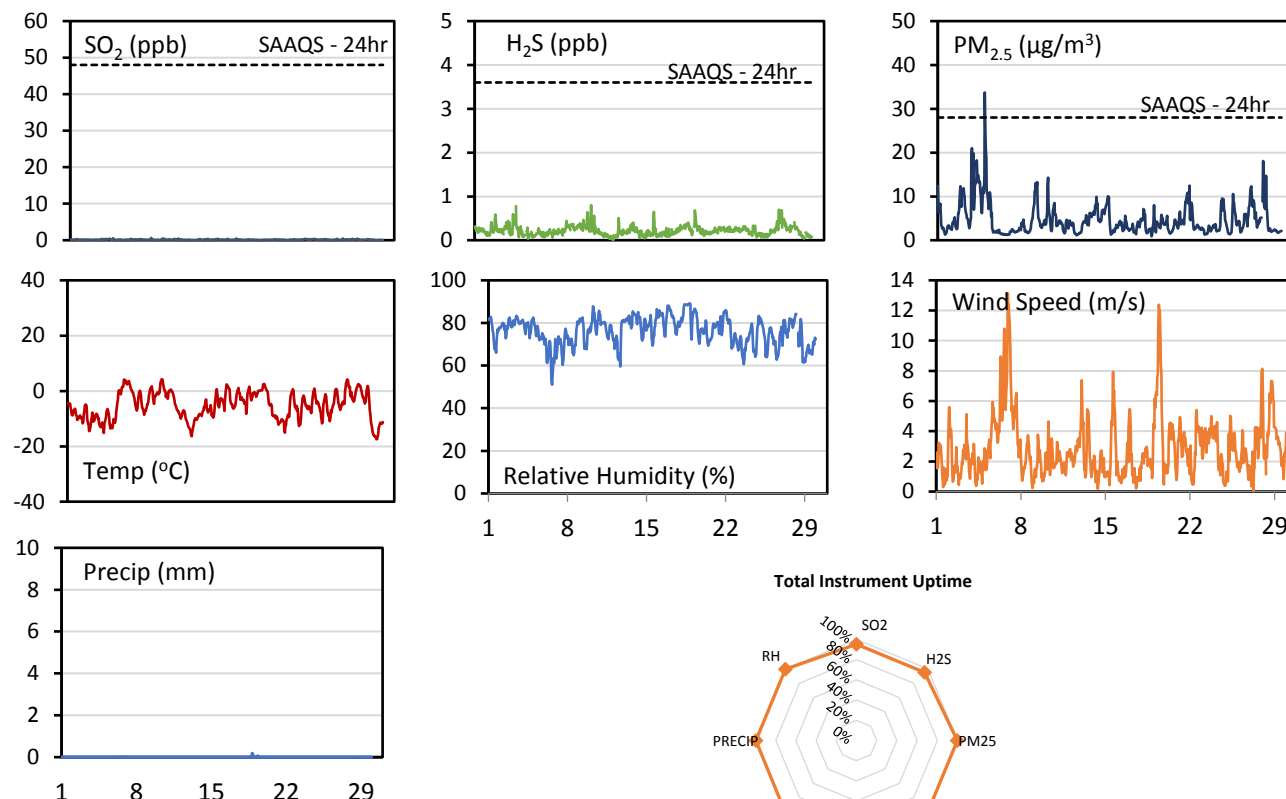


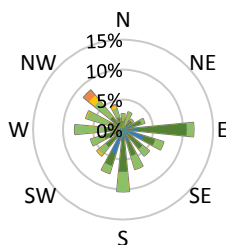
WYAMZ Kindersley Station - February 2016 Summary Report

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	0.1	95%	0.2	Feb-23	48	0	0.6	Feb-08 12:00	172	0
H ₂ S	ppb	0.2	95%	0.4	Feb-27	3.6	0	0.8	Feb-11 00:00	11	0
PM _{2.5}	µg/m ³	4.7	100%	13.1	Feb-04	28	0	33.7	Feb-04 23:00	-	-

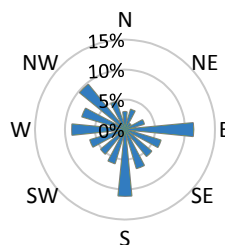
SAAQS: Saskatchewan Ambient Air Quality Standards



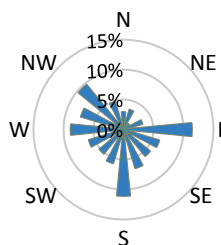
Wind Rose



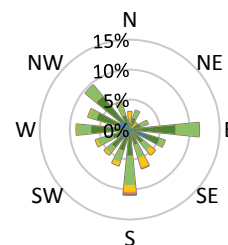
SO₂ Pollutant Rose



H₂S 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
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

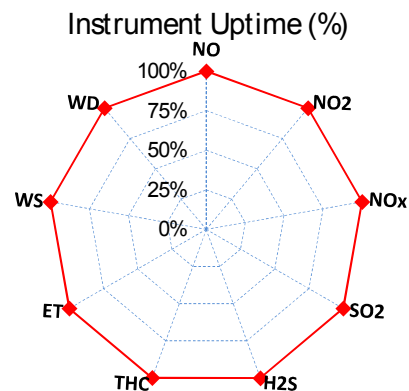
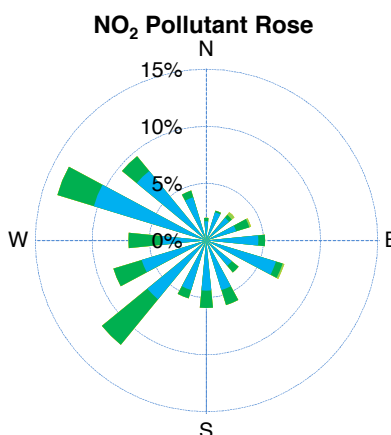
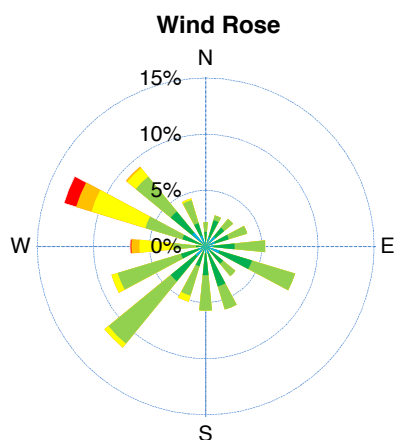
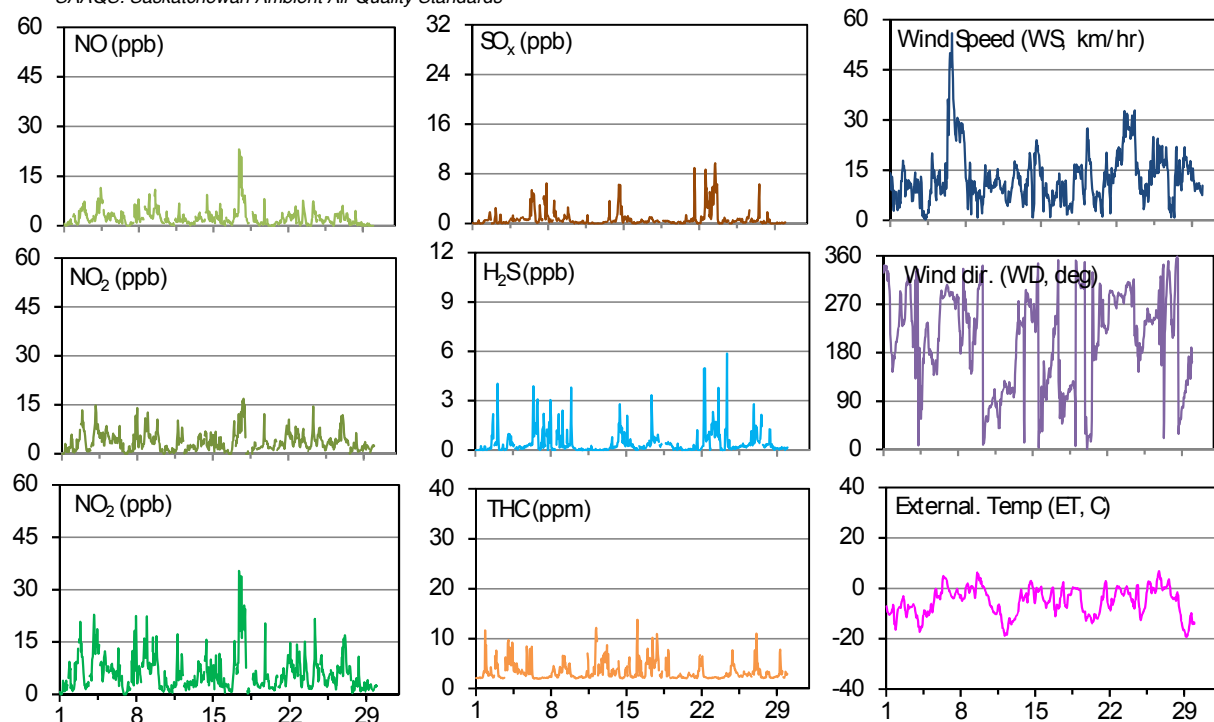
Monthly Update

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

Lloydminster East Station - February 2016 Summary Report

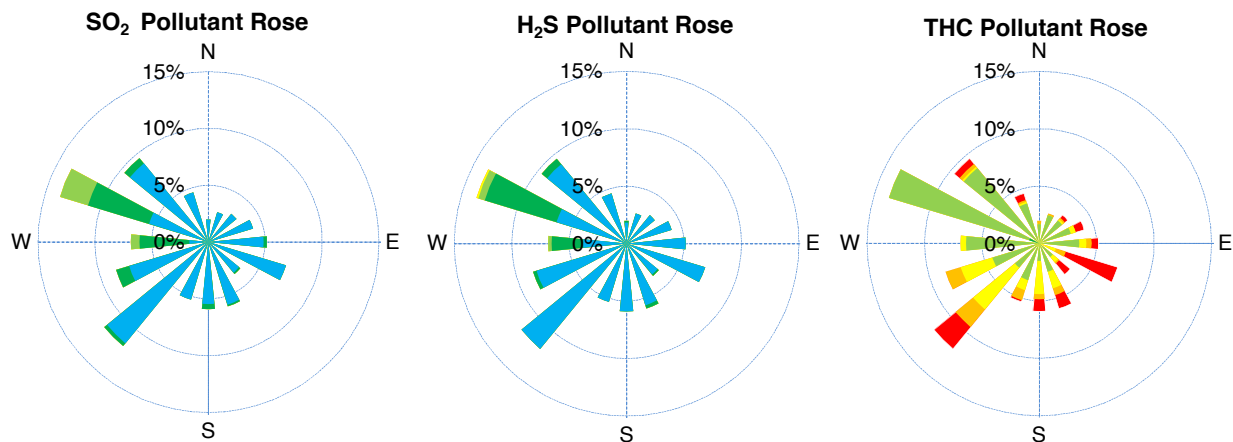
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standards	Exceed Days	Maximum		SAAQS Standards	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	2.4	100.0%	9.5	Feb-17	-	-	23.1	Feb-17 10:00	-	-
NO ₂	ppb	3.6	100.0%	9.5	Feb-17	106	0	16.9	Feb-17 21:00	159	-
NO _x	ppb	6.0	100.0%	19.1	Feb-23	48	0	35.4	Feb-23 12:00	172	0
SO ₂	ppb	0.4	100.0%	1.1	Feb-22	3.6	0	5.9	Feb-24 09:00	11.0	-
THC	ppm	3.3	99.8%	5.7	Feb-17	-	-	13.8	Feb-16 01:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
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
THC	ppm	0 ≤ C < 1	1 ≤ C < 2	2 ≤ C < 3	3 ≤ C < 4	4 ≤ C < 5	C ≥ 5

Lloydminster East Station - February 2016 Summary Report



Monthly Update

*Air monitoring data has been slope, intercept, and baseline corrected. Data may change after validation process.

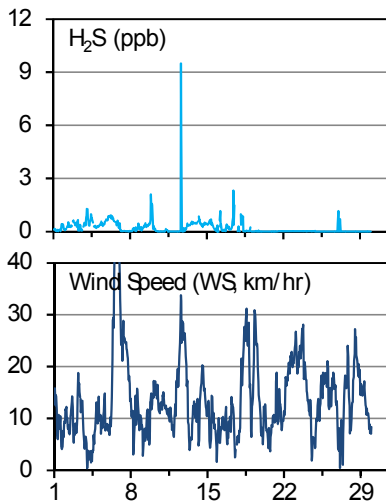
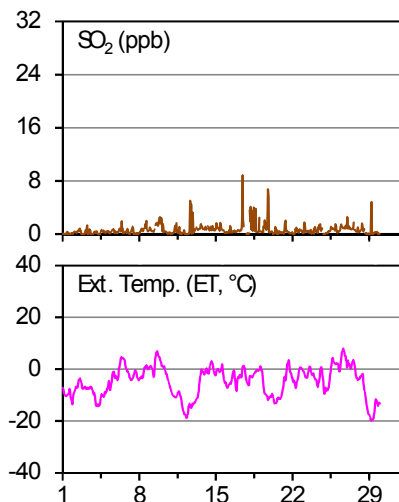
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.

*All compliance parameters are above 90% operational. One hour of THC data is flagged as "power failure" on Feb 16 (16:00 MST), due to a power disruption at the station. All analyzers were affected, however THC was slower to recover.

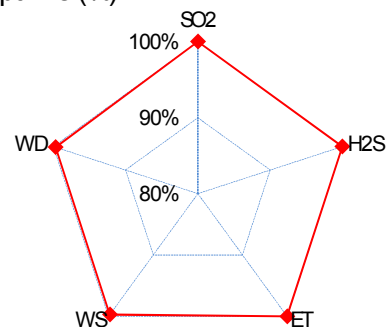
Lloydminster West Station - February 2016 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		AAAQO / SAAQS	Exceed Days	Maximum		AAAQO / SAAQS	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.6	100.0%	1.4	Feb-19	48 / 48	0 / 0	8.9	Feb-17 11:00	172 / 172	0 / 0
H ₂ S	ppb	0.2	100.0%	0.7	Feb-12	3 / 36	0 / 0	9.5	Feb-12 16:00	10 / 11.0	0 / 0

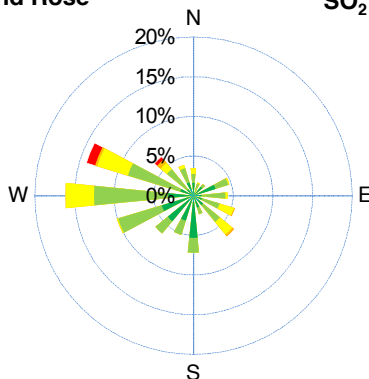
AAAQO: Alberta Ambient Air Quality Objectives; SAAQS: Saskatchewan Ambient Air Quality Standards.



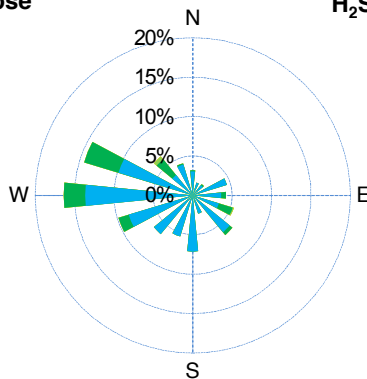
Uptime (%)



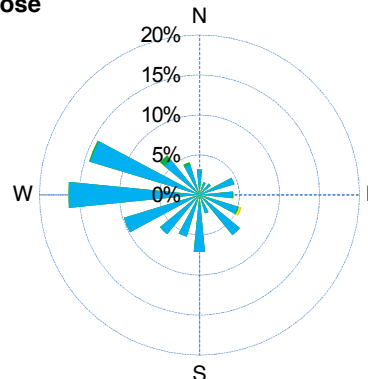
Wind Rose



SO₂ Rose



H₂S Rose



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
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

Monthly Update

*Air monitoring data has been slope, intercept, and baseline corrected. Data may change after validation process.

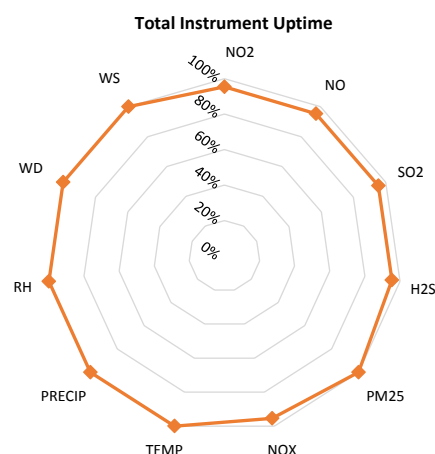
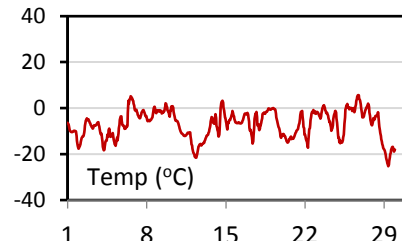
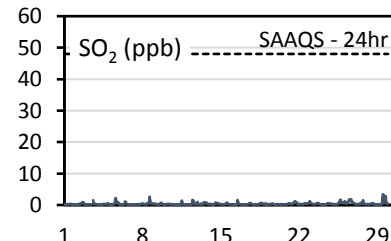
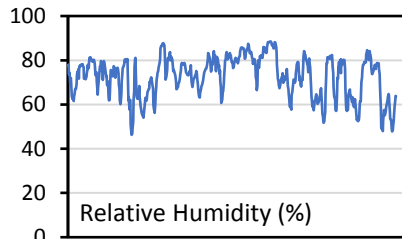
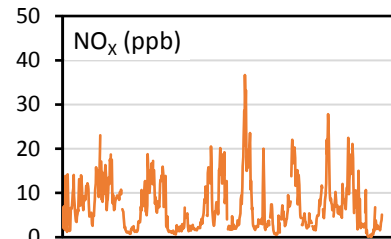
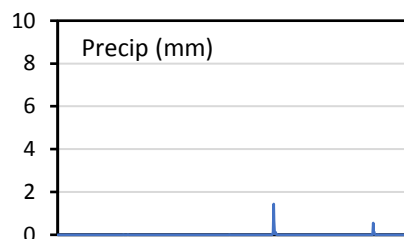
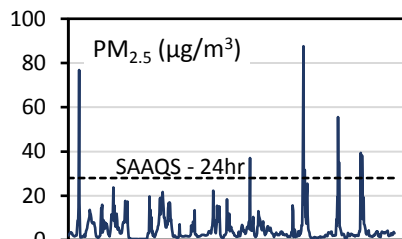
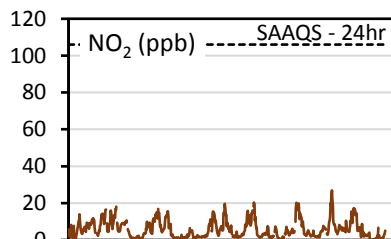
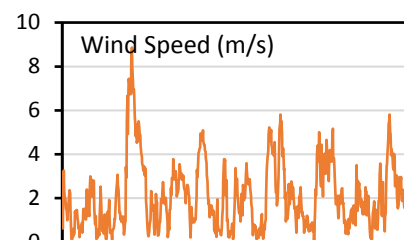
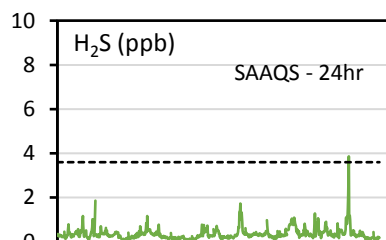
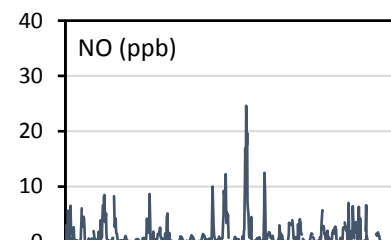
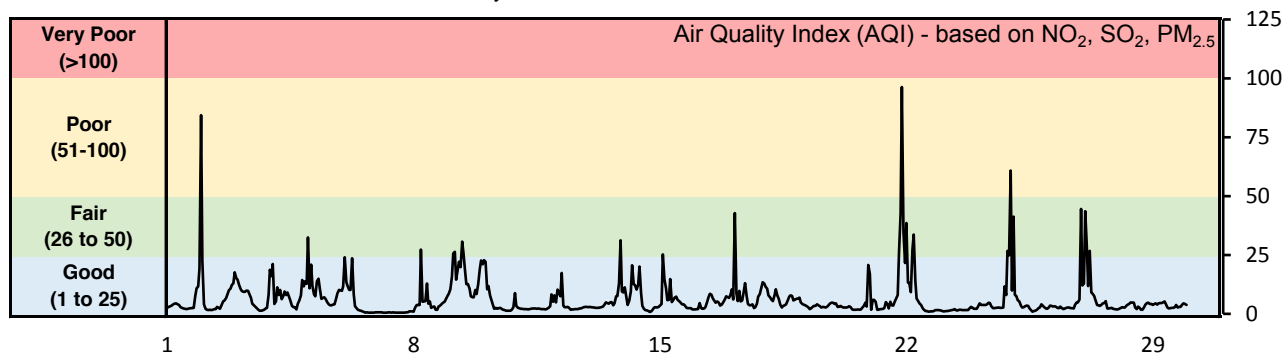
*All compliance parameters were within the Alberta Ambient Air Quality Objectives and the Saskatchewan Ambient Air Quality Standards

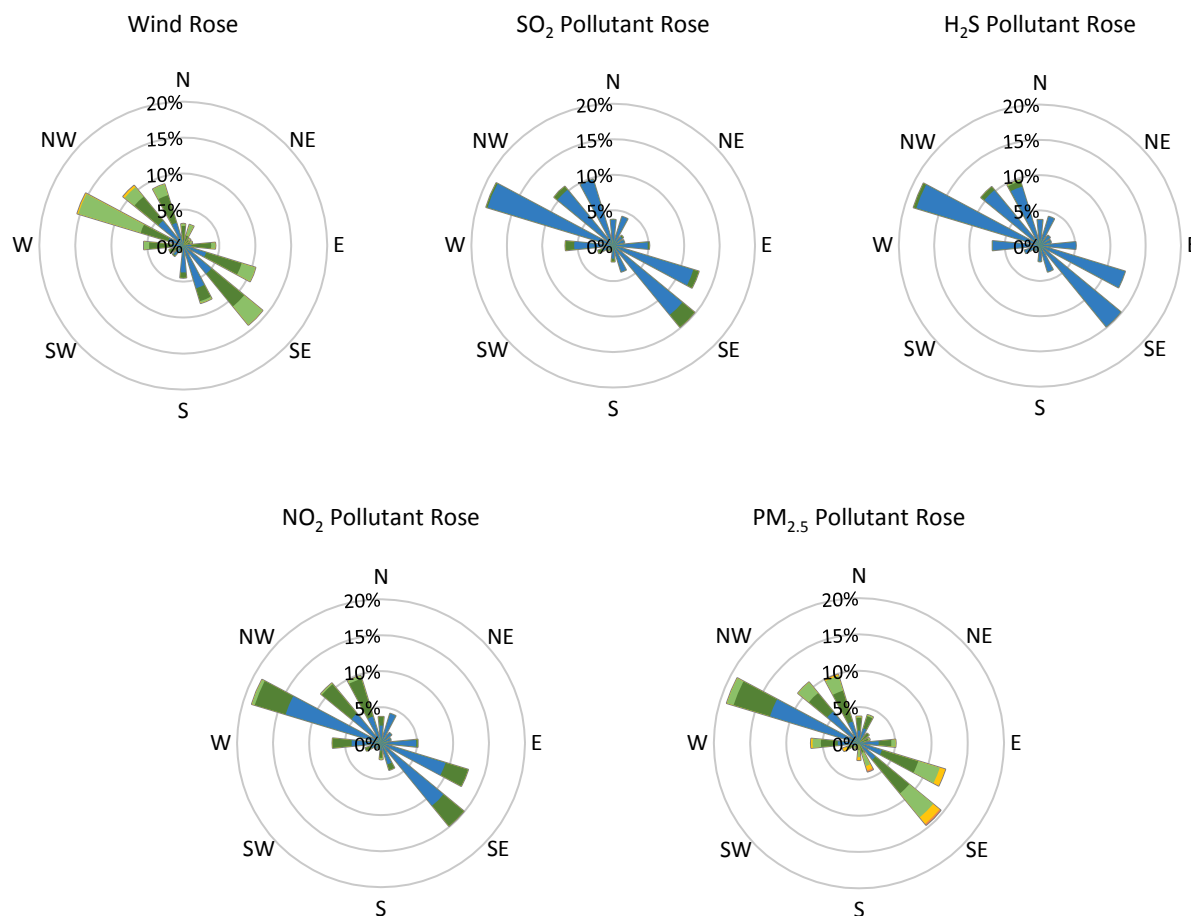
*All compliance parameters are above 90% operational. There are no operational issues to report.

WYAMZ Maidstone 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	1.2	95%	5.6	Feb-17	-	-	24.6	Feb-17 13:00	-	-
NO ₂	ppb	5.8	95%	11.0	Feb-17	106	0	26.9	Feb-25 02:00	159	0
NO _x	ppb	7.1	95%	16.6	Feb-17	-	-	36.7	Feb-17 13:00	-	-
SO ₂	ppb	0.4	95%	1.0	Feb-29	48	0	3.4	Feb-29 12:00	172	0
H ₂ S	ppb	0.4	95%	0.8	Feb-27	3.6	0	3.9	Feb-27 05:00	11	0
PM _{2.5}	µg/m ³	5.0	100%	12.3	Feb-09	28	0	87.6	Feb-21 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}	µg/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

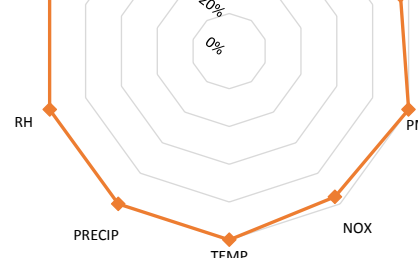
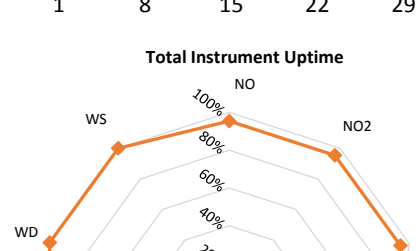
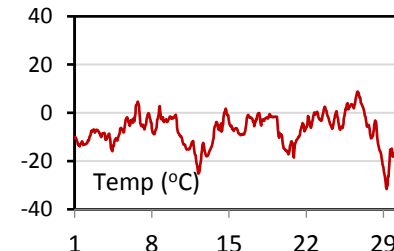
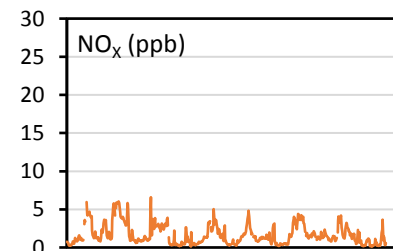
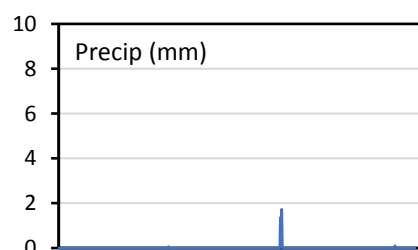
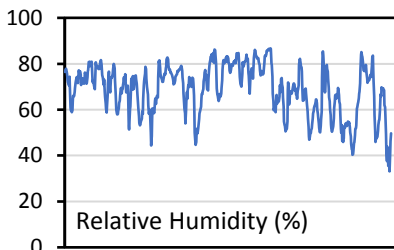
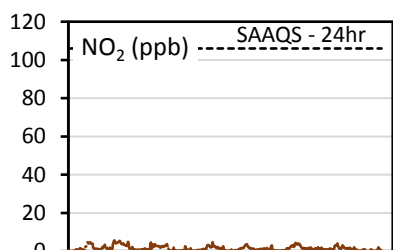
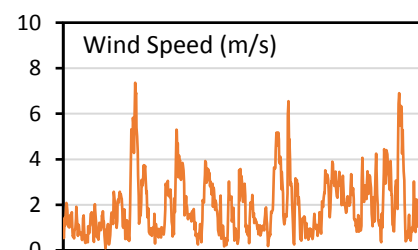
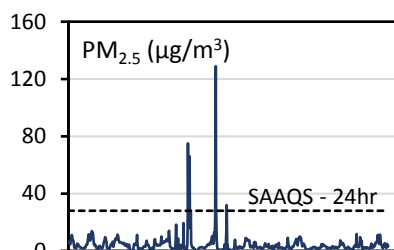
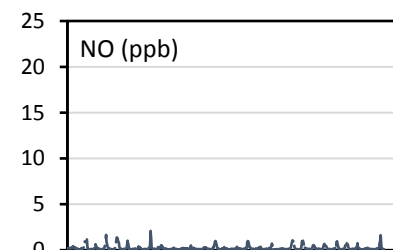
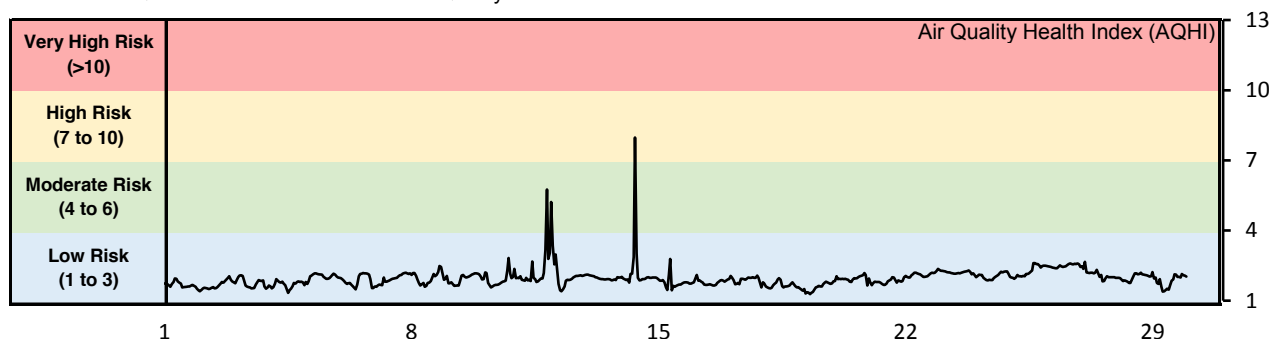
Monthly Update

- Achieved 100% of scheduled uptime for all parameters
- Downtime results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity
- Calibration performed Feb. 3

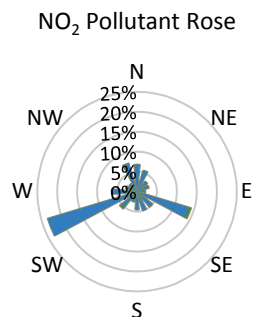
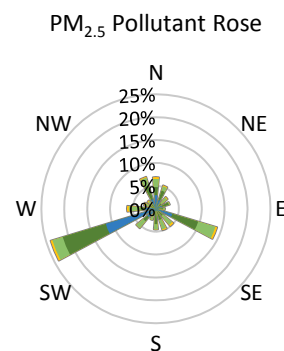
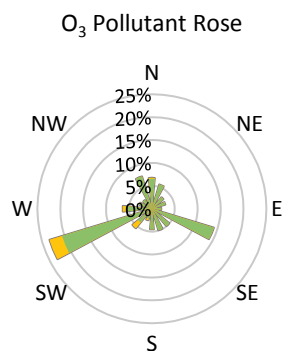
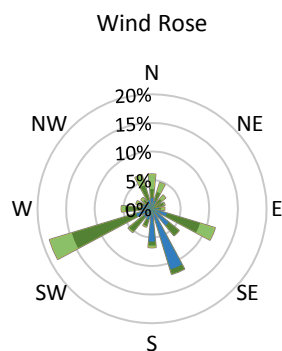
WYAMZ Meadow Lake Station - February 2016 Summary Report

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%	0.4	Feb-05	-	-	2.1	Feb-08 15:00	-	-
NO ₂	ppb	1.4	95%	4.2	Feb-05	106	0	5.7	Feb-05 06:00	159	0
NO _x	ppb	1.7	95%	4.6	Feb-05	-	-	6.6	Feb-08 15:00	-	-
O ₃	ppb	31.3	95%	43.3	Feb-26	-	-	46.1	Feb-26 16:00	82	0
PM _{2.5}	µg/m ³	4.3	100%	11.1	Feb-14	28	0	128.9	Feb-14 08:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Meadow Lake Station - February 2016 Summary Report



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

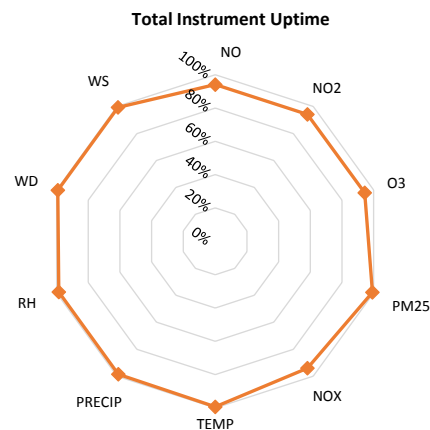
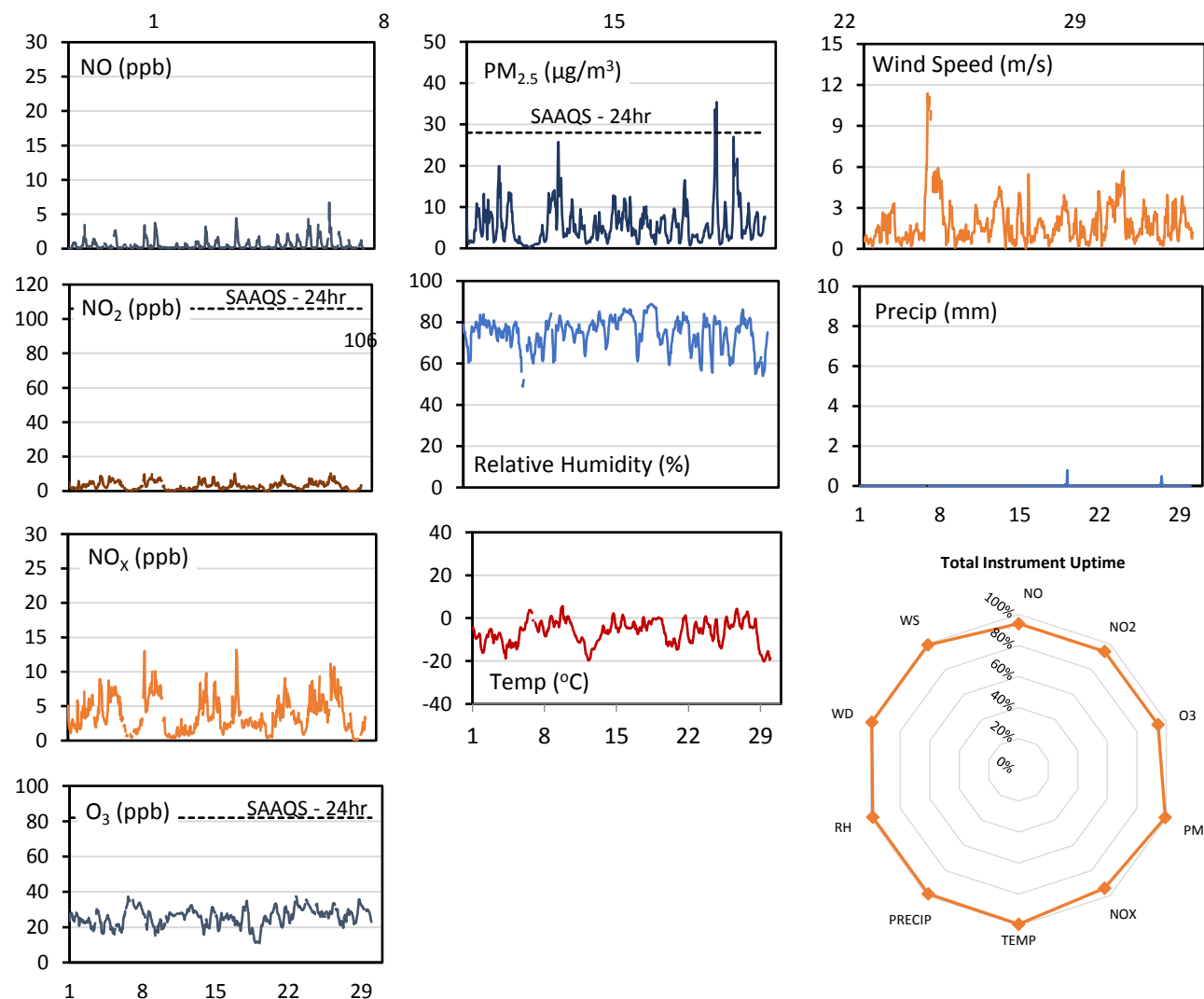
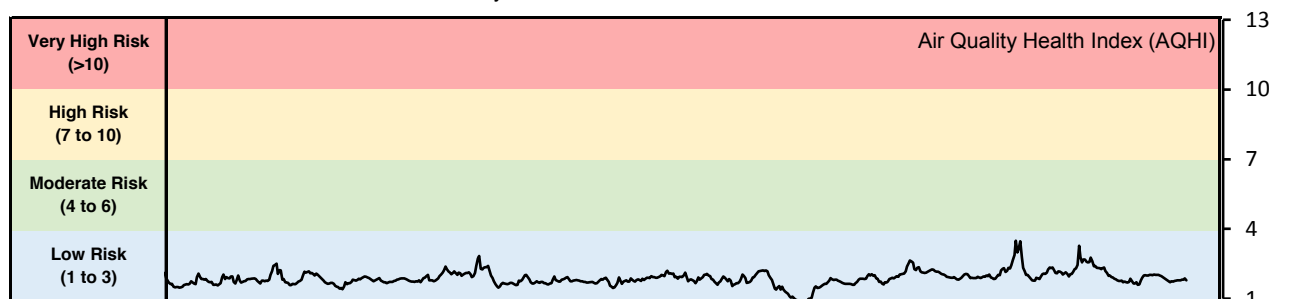
Monthly Update

- Achieved 100% of scheduled uptime 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. 2

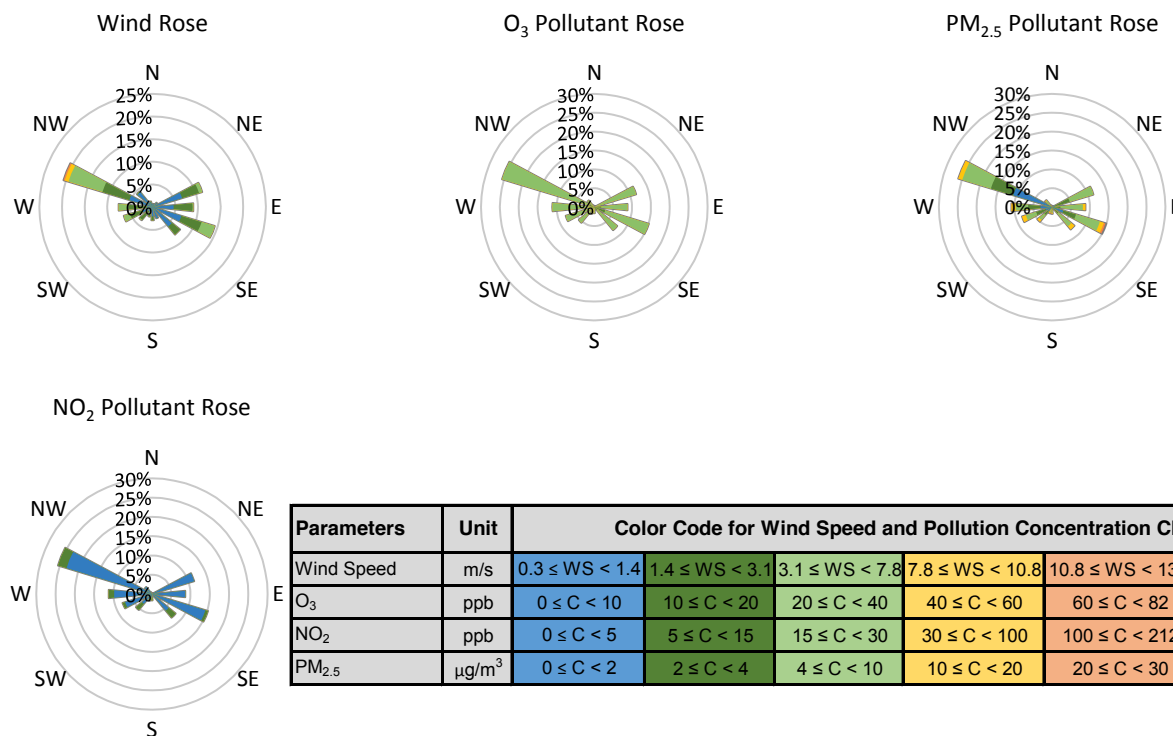
WYAMZ Unity Station - February 2016 Summary Report

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	0.6	94%	1.3	Feb-26	-	-	6.7	Feb-26 14:00	-	-
NO ₂	ppb	3.2	94%	6.6	Feb-09	106	0	10.3	Feb-26 22:00	159	0
NO _x	ppb	3.7	94%	7.7	Feb-09	-	-	13.2	Feb-17 10:00	-	-
O ₃	ppb	25.7	94%	32.3	Feb-07	-	-	37.5	Feb-22 17:00	82	0
PM _{2.5}	µg/m ³	5.8	99%	12.3	Feb-09	28	0	35.4	Feb-25 06:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Unity Station - February 2016 Summary Report



Monthly Update

- Achieved >98% 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
- Calibration performed Feb. 3