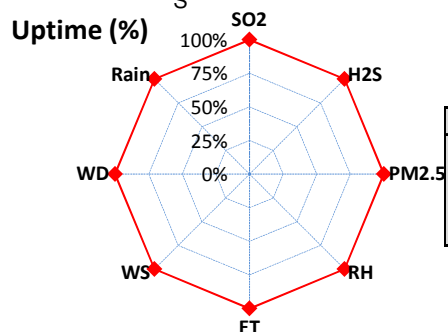
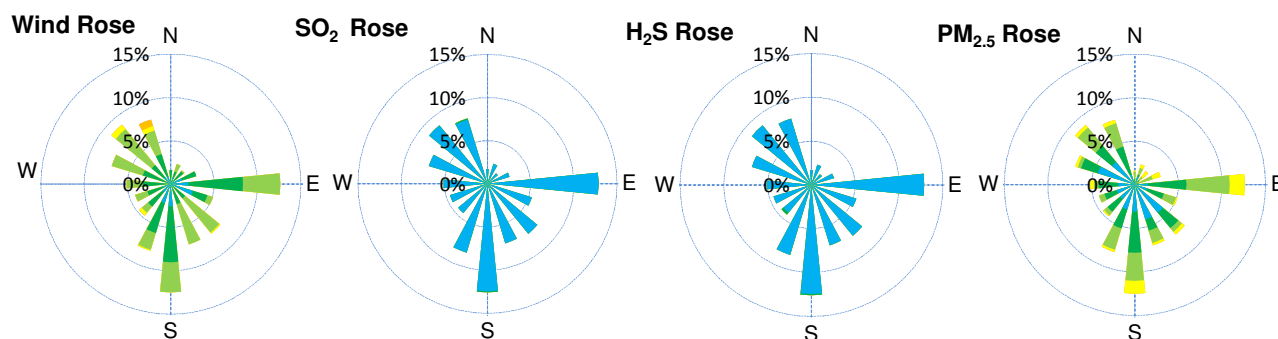
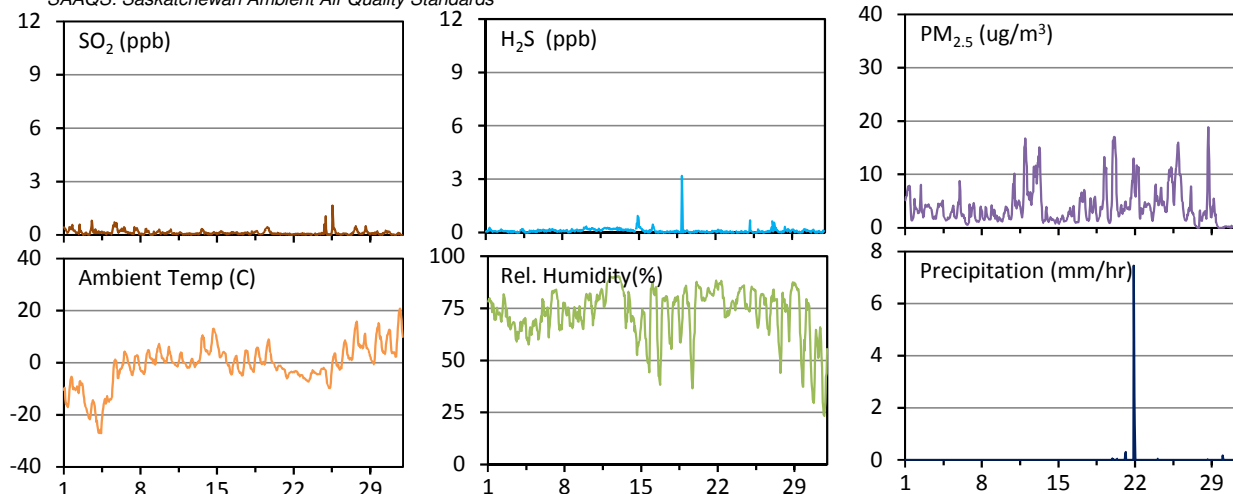


WYAMZ Kindersley Station - March 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.1	100.0%	0.3	Mar-5	57	0	1.7	Mar-25 13:00	172	0
H ₂ S	ppb	0.1	100.0%	0.3	Mar-18	3.6	0	3.2	Mar-18 22:00	10.8	0
PM _{2.5}	ug/m3	4	100.0%	10	Mar-25	30	0	19	Mar-28 16:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. 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}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

Monthly Update

*All 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.

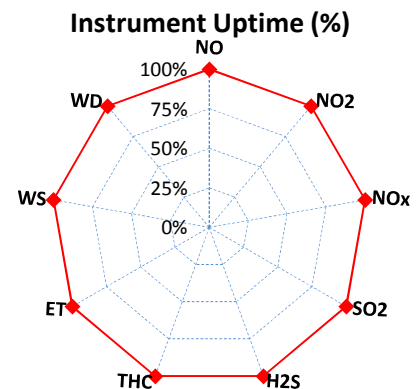
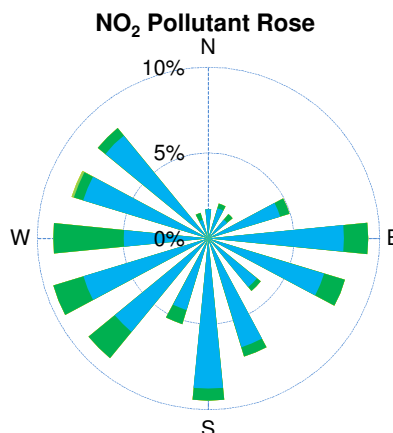
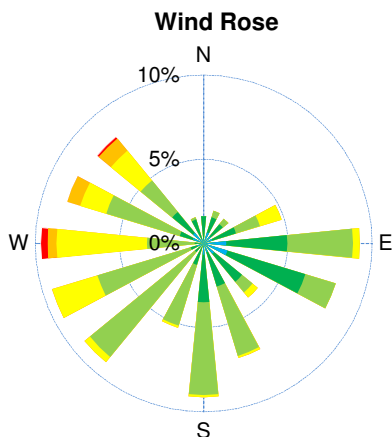
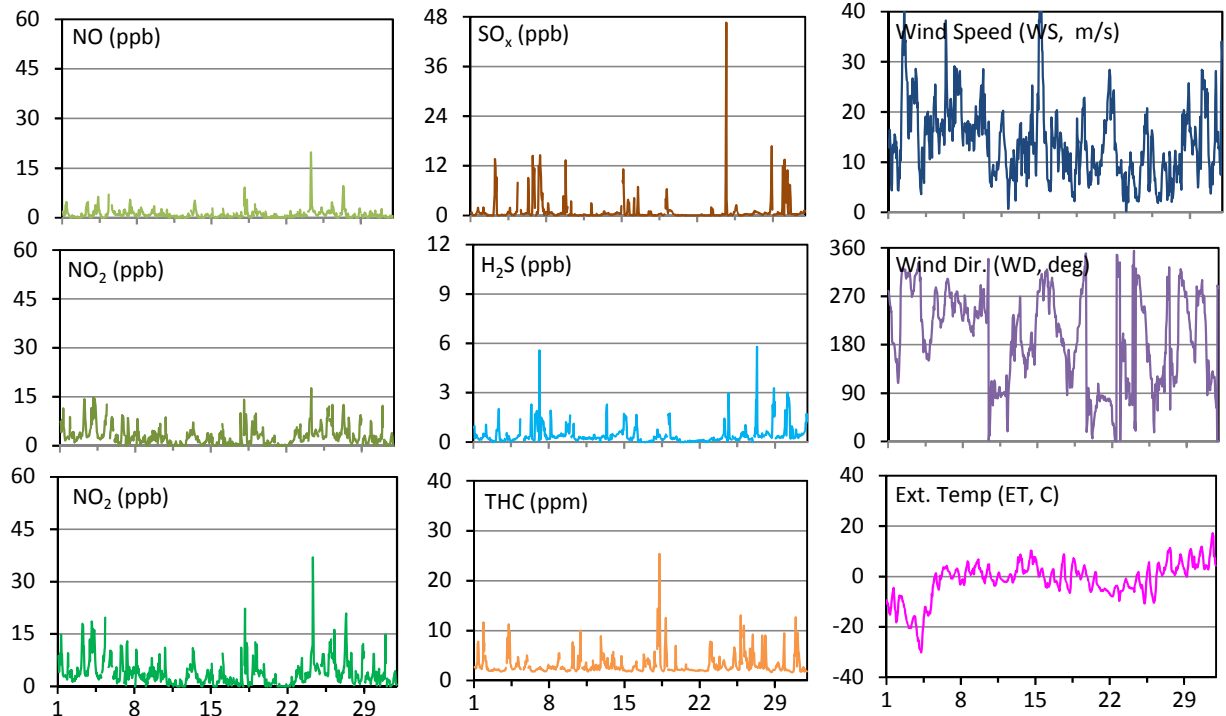
*All compliance parameters are above 90% operational, there are no operational issues to report.

*The airpointer was calibrated on March 23.

Lloydminster East Station - March 2015 Summary Report

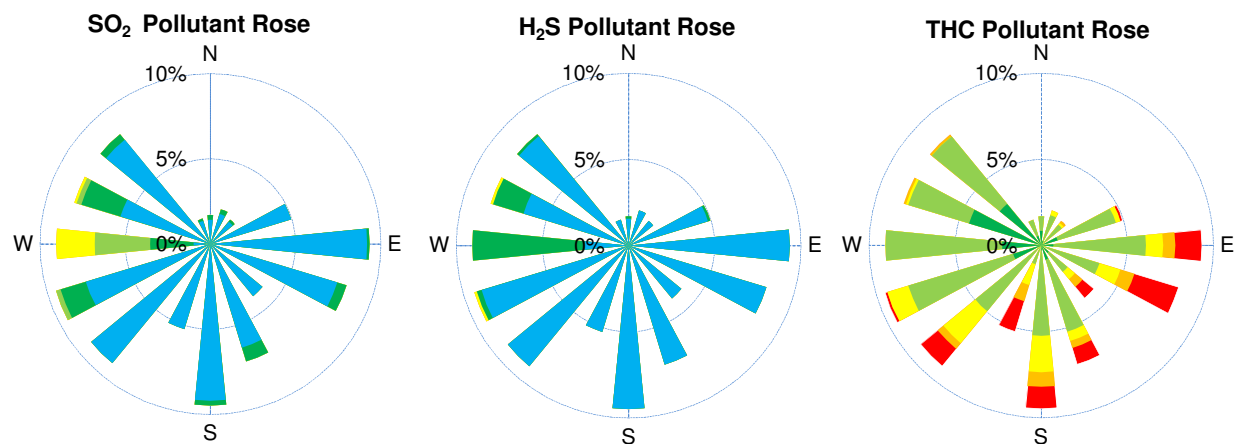
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standards	Exceed Days	Maximum		SAAQS Standards	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.1	100.0%	3.3	Mar-24	-	-	19.8	Mar-24 08:00	-	-
NO ₂	ppb	2.9	100.0%	6.0	Mar-4	-	-	17.7	Mar-24 08:00	212	0
NO _x	ppb	3.8	100.0%	8.4	Mar-24	-	-	37.0	Mar-24 08:00	-	-
SO ₂	ppb	1.1	100.0%	4.2	Mar-7	57	0	46.6	Mar-24 17:00	172	0
H ₂ S	ppb	0.4	100.0%	1.1	Mar-30	3.6	0	5.8	Mar-27 08:00	10.8	0
THC	ppm	3.1	100.0%	6.8	Mar-18	-	-	25.4	Mar-18 07:00	-	-

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 - March 2015 Summary Report



Monthly Update

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

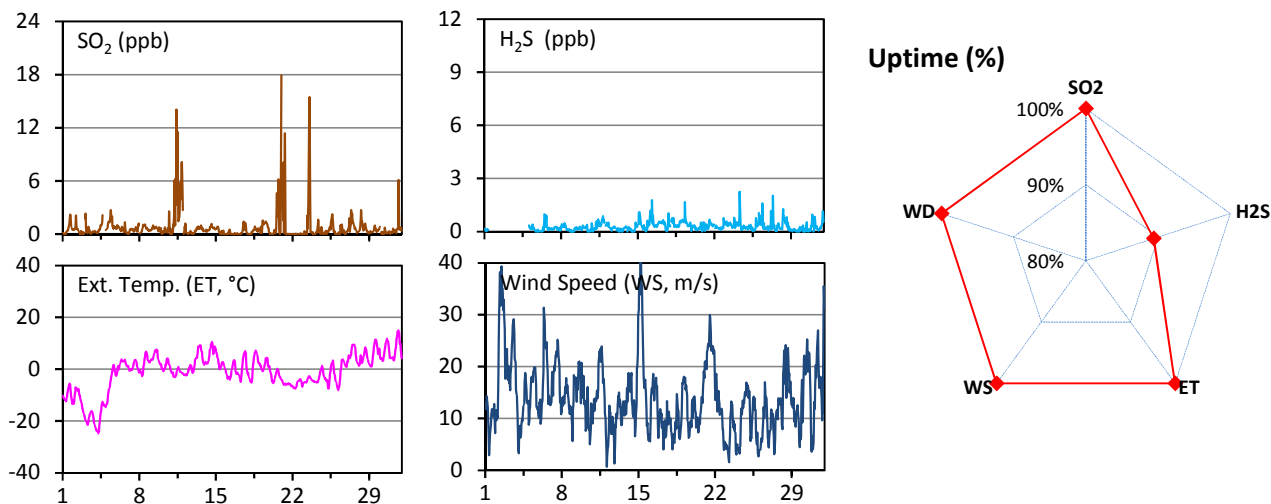
*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.

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

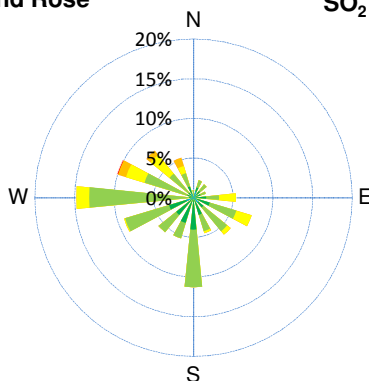
Lloydminster West Station - March 2015 Summary Report

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	0.8	100.0%	4.5	Mar-11	48 / 57	0 / 0	18.0	Mar-21 00:00	172 / 172	0 / 0
H ₂ S	ppb	0.3	89.4%	0.6	Mar-16	3.0 / 3.6	0 / 0	2.3	Mar-24 08:00	10.0 / 10.8	0 / 0

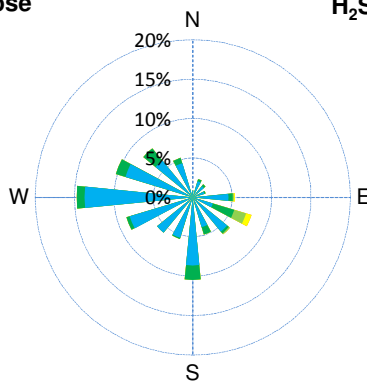
AAAQO: Alberta Ambient Air Quality Objectives; SAAQS: Saskatchewan Ambient Air Quality Standards.



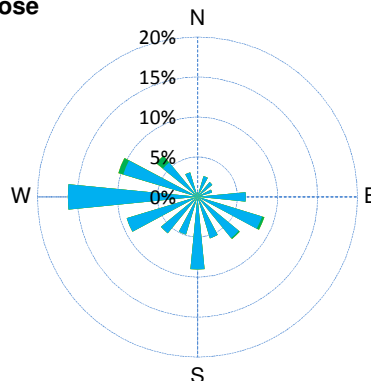
Wind Rose



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.

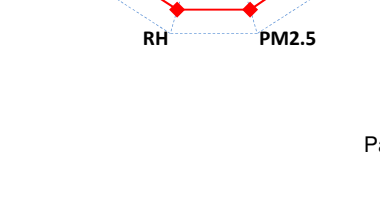
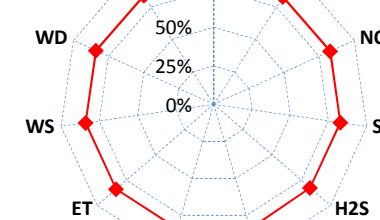
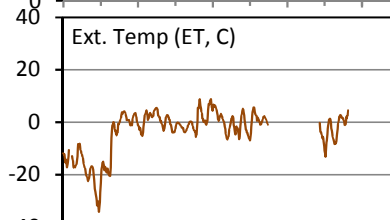
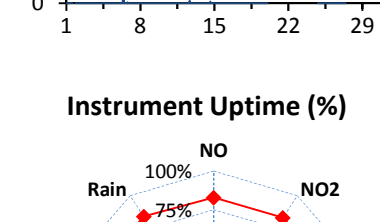
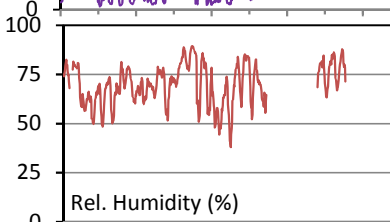
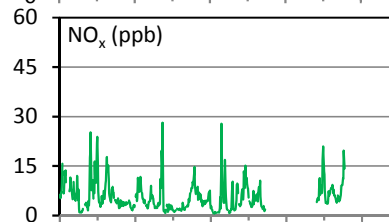
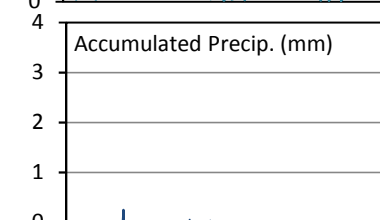
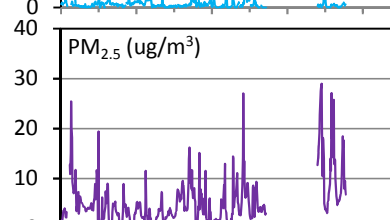
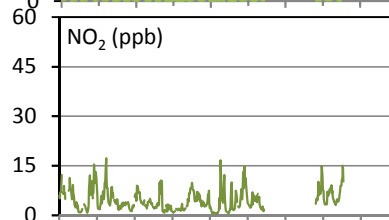
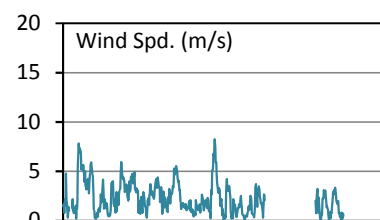
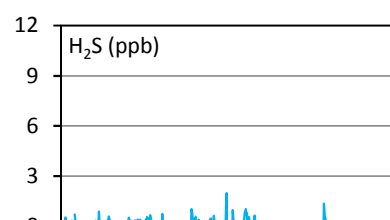
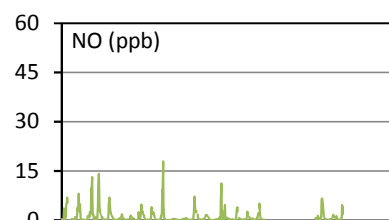
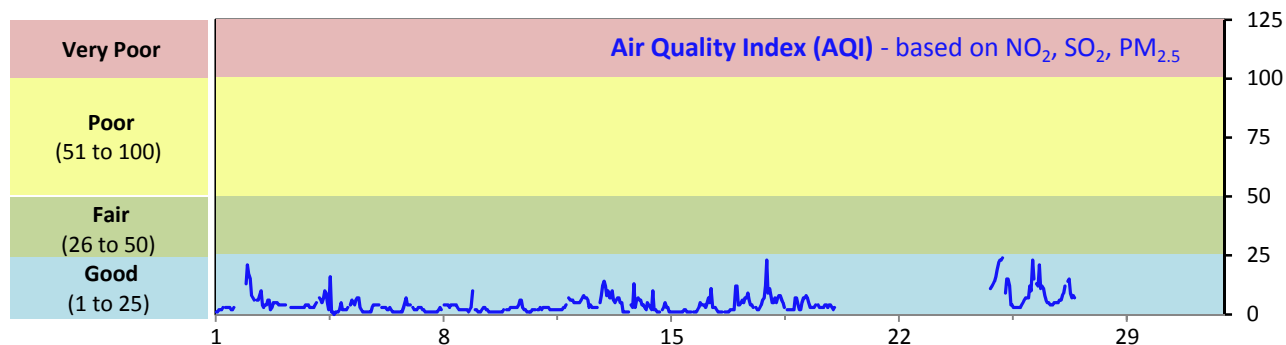
*All compliance parameters were within the Alberta Ambient Air Quality Objectives, and the Saskatchewan Ambient Air Quality Standards.

*All compliance parameters are above 90% operational, with the exception of the H₂S analyzer. The analyzer was not operational from March 2 10:00 MST through March 5 00:00 MST, due to a critical failure with the UV lamp. No other operational issues occurred.

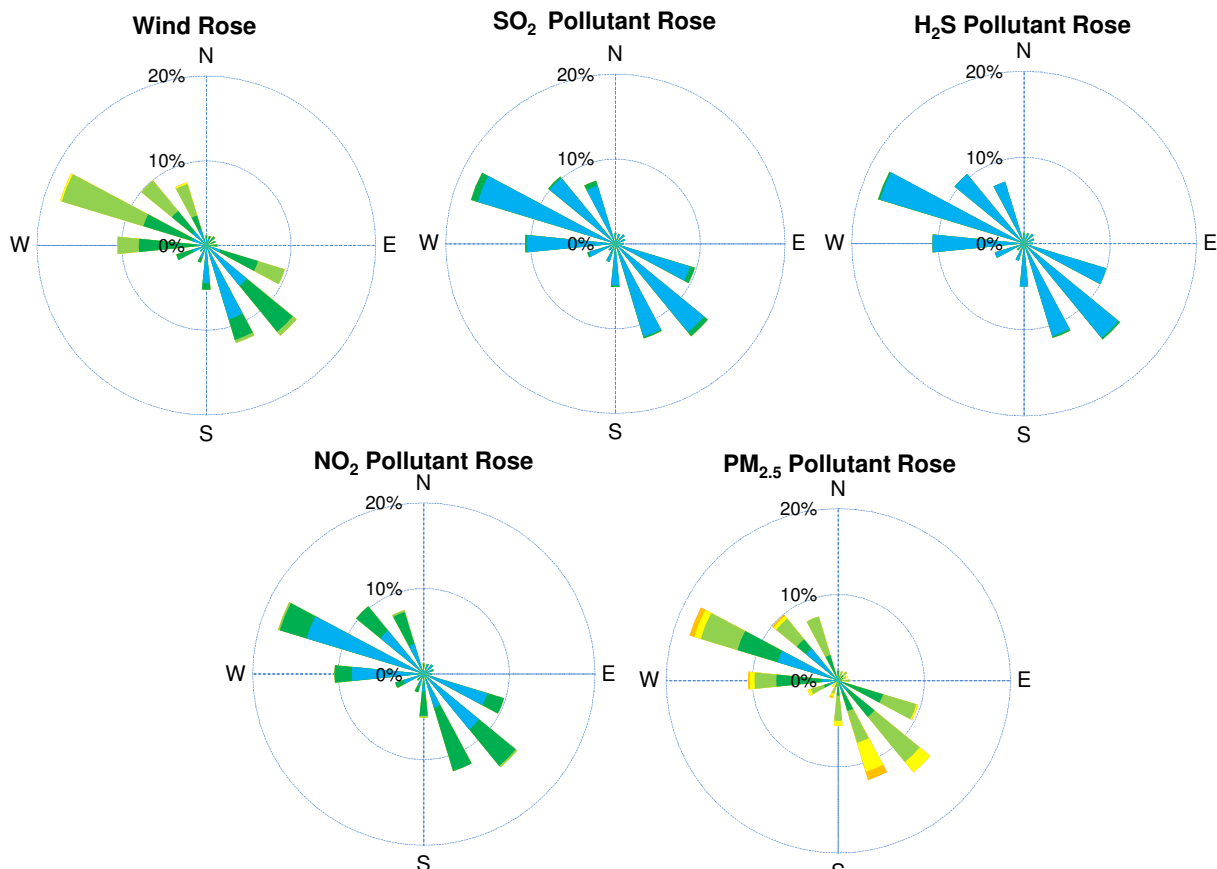
WYAMZ Maidstone Station - March 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.1	82.8%	2.4	Mar-3	-	-	17.9	Mar-10 12:00	-	-
NO ₂	ppb	4.6	82.8%	7.4	Mar-5	-	-	17.3	Mar-05 08:00	212	0
NO _x	ppb	5.7	82.8%	8.9	Mar-4	-	-	28.2	Mar-10 12:00	-	-
SO ₂	ppb	0.3	82.8%	0.6	Mar-5	57	0	1.6	Mar-25 15:00	172	0
H ₂ S	ppb	0.2	82.5%	0.5	Mar-18	3.6	0	2	Mar-16 08:00	10.8	0
PM _{2.5}	ug/m3	5	83.9%	12	Mar-25	30	0	29	Mar-25 04:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Maidstone Station - March 2015 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. 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}	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

*All 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.

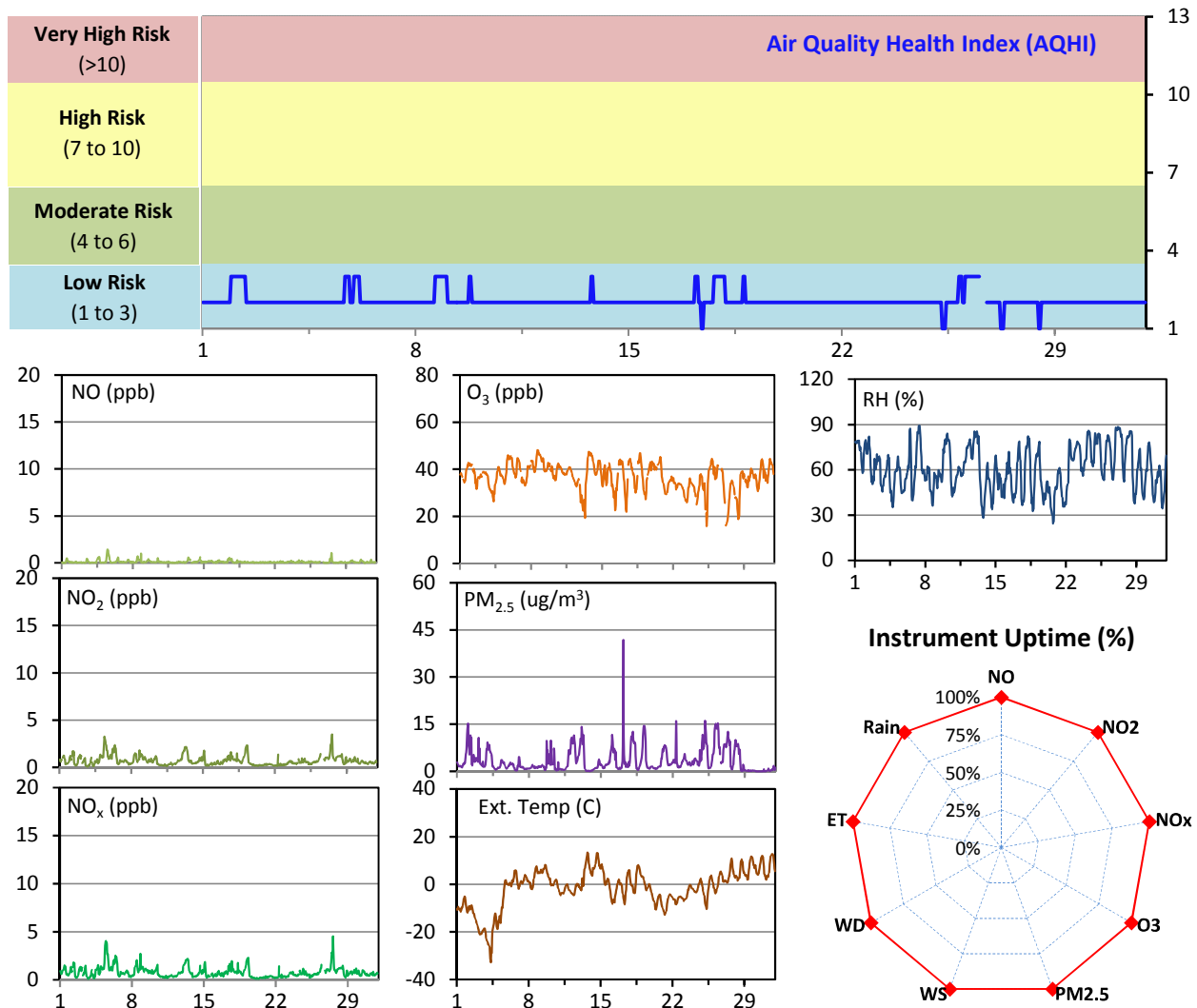
*No compliance parameters were above 90% operational this month, due to power disruptions and a blown fuse. The airpointer was not operational March 1 from 14:00 to 22:00, and March 20 01:00 through March 24 18:00.

*The airpointer was calibrated on March 27.

WYAMZ Meadow Lake Station - March 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.1	100.0%	0.4	Mar-5	-	-	1.4	Mar-05 12:00	-	-
NO ₂	ppb	0.7	100.0%	1.6	Mar-5	-	-	3.5	Mar-27 13:00	212	0
NO _x	ppb	0.8	100.0%	2.0	Mar-5	-	-	4.5	Mar-27 13:00	-	-
O ₃	ppb	37	100.0%	44	Mar-8	-	-	48	Mar-08 15:00	82	0
PM _{2.5}	ug/m3	3	100.0%	9	Mar-26	30	0	42	Mar-17 04:00	-	-

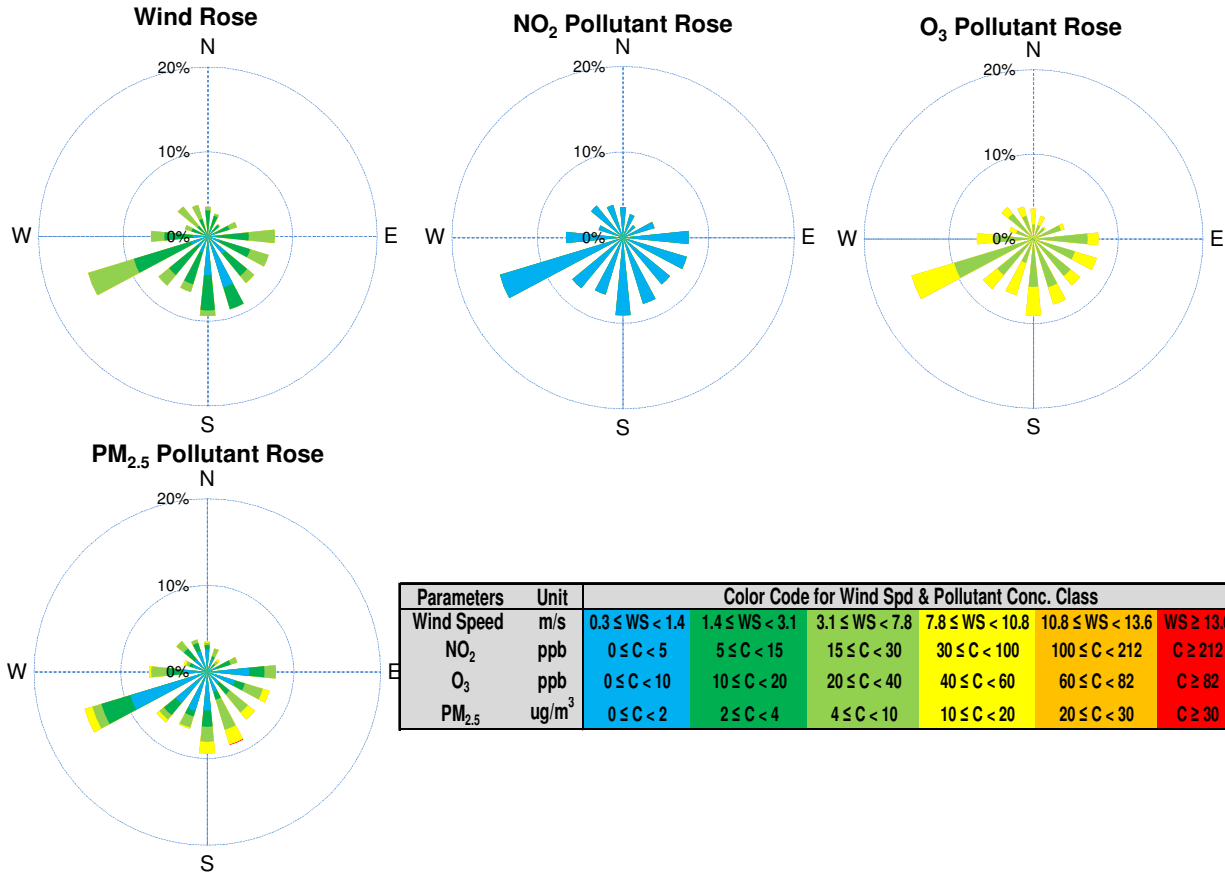
SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

- *All 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 were greater than 90% operational, there are no operational issues to prevent.
- *The airpointer was calibrated on March 26.

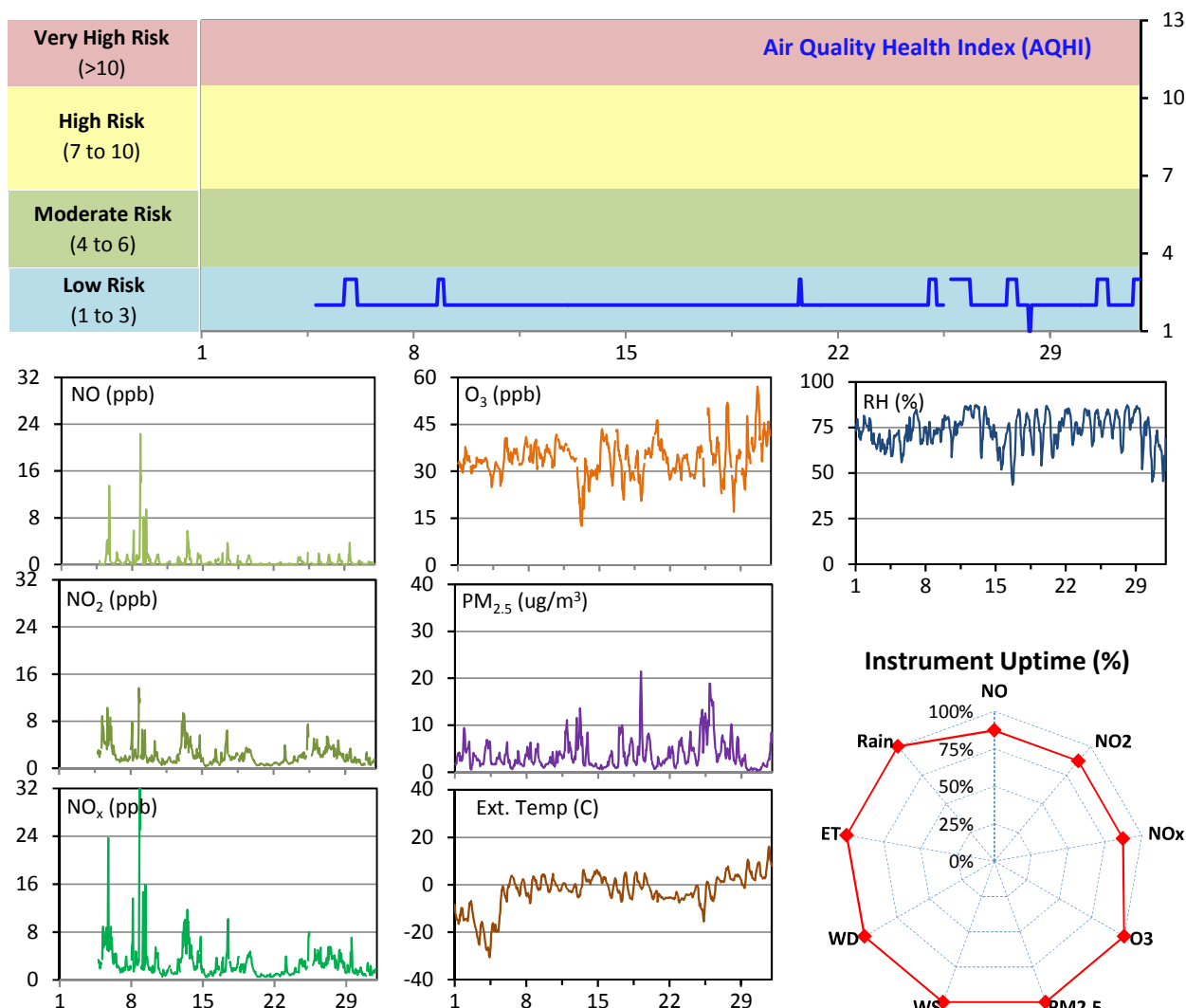
WYAMZ Meadow Lake Station - March 2015 Summary Report



WYAMZ Unity Station - March 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.6	87.3%	3.5	Mar-8	-	-	22.3	Mar-08 19:00	-	-
NO ₂	ppb	2.2	87.3%	5.6	Mar-13	-	-	13.6	Mar-08 19:00	212	0
NO _x	ppb	2.7	87.3%	7.6	Mar-8	-	-	35.9	Mar-08 19:00	-	-
O ₃	ppb	34	100.0%	45	Mar-30	-	-	57	Mar-30 15:00	82	0
PM _{2.5}	ug/m3	4	100.0%	11	Mar-25	30	0	21	Mar-19 04:00	-	-

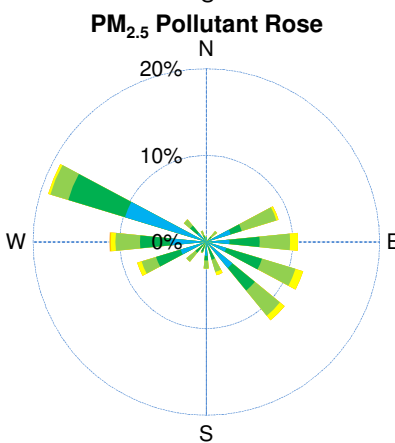
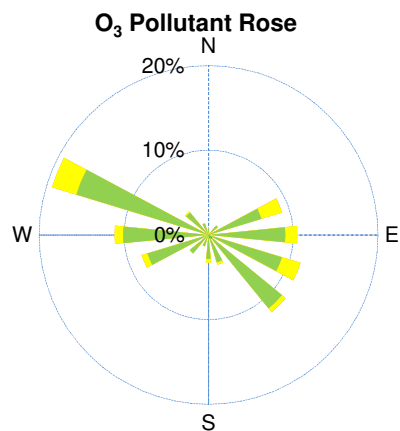
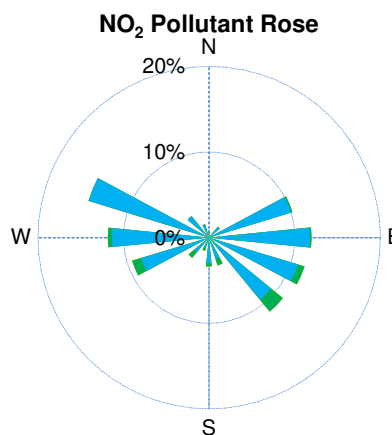
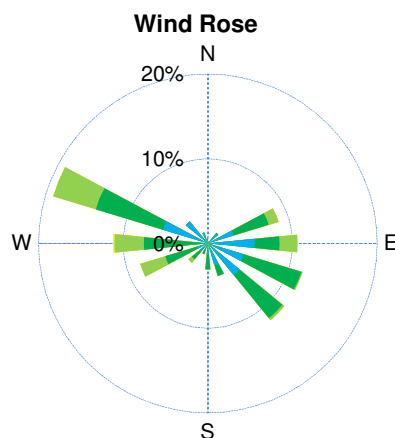
SAAQS: Saskatchewan Ambient Air Quality Standards



Monthly Update

- *All 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, with the exception of the NO/NO₂/NO_x analyzer.
- *The NO/NO₂/NO_x analyzer was malfunctioning from Feb 26 18:00 MST to March 4 17:00 MST, due to an electronics malfunction. The airpointer was reset and the analyzer returned to normal operations.
- *The airpointer was calibrated on March 25.

WYAMZ Unity Station - March 2015 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. 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
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
PM _{2.5}	ug/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30