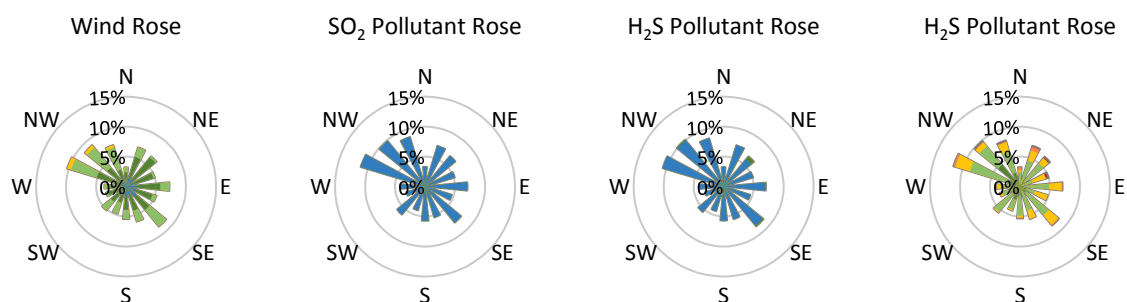
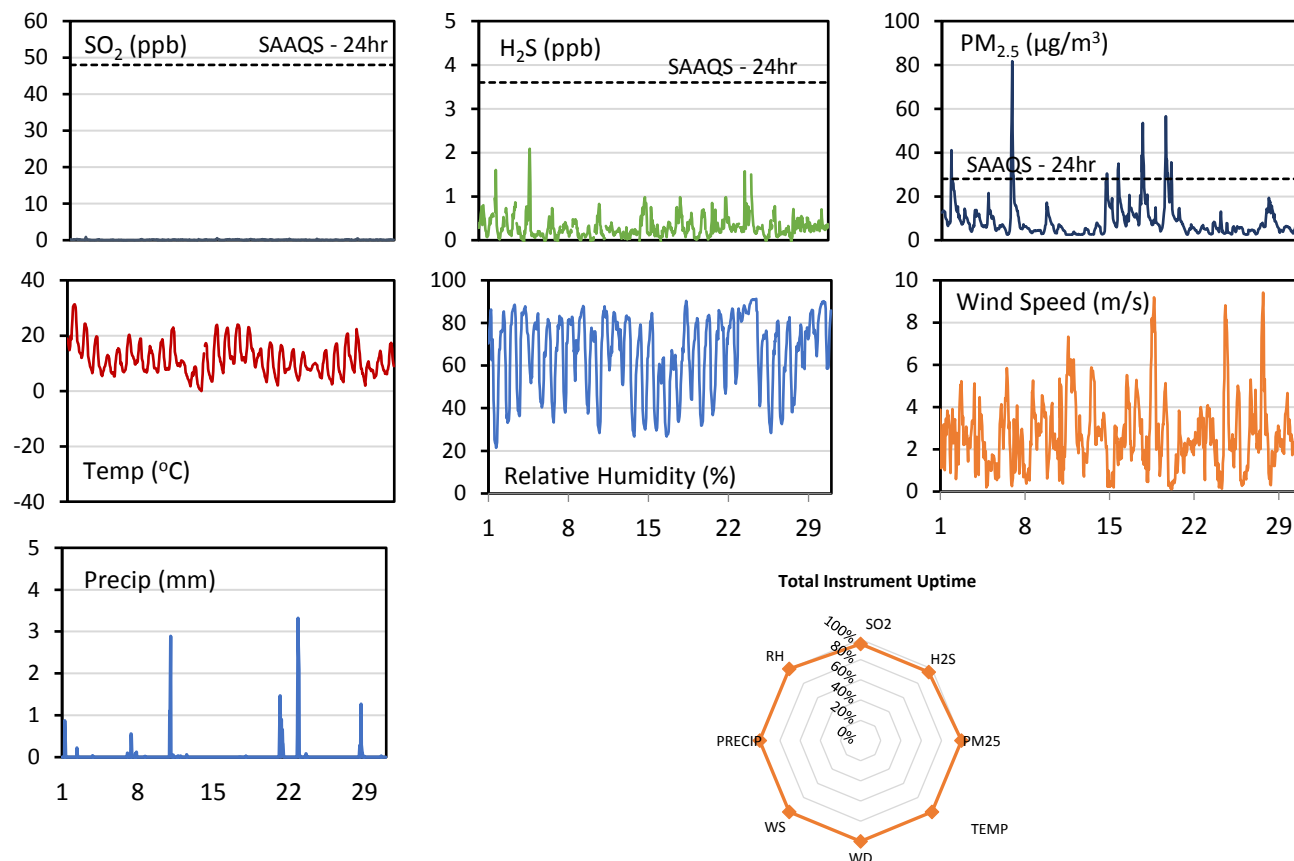


WYAMZ Kindersley Station - September 2016 Summary Report

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	96%	0.2	Sep-01	48	0	0.9	Sep-02 11:00	172	0
H ₂ S	ppb	0.3	96%	0.5	Sep-15	3.6	0	2.1	Sep-05 09:00	11	0
PM _{2.5}	µg/m ³	8.7	100%	16.6	Sep-17	28	0	81.7	Sep-06 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

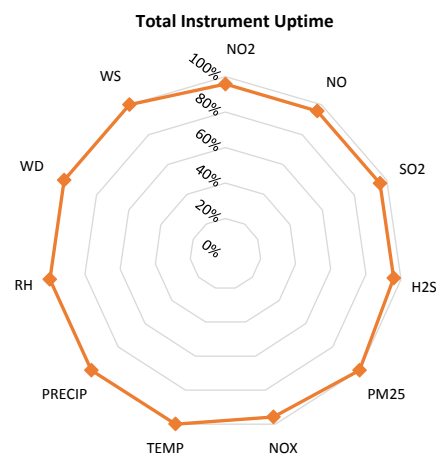
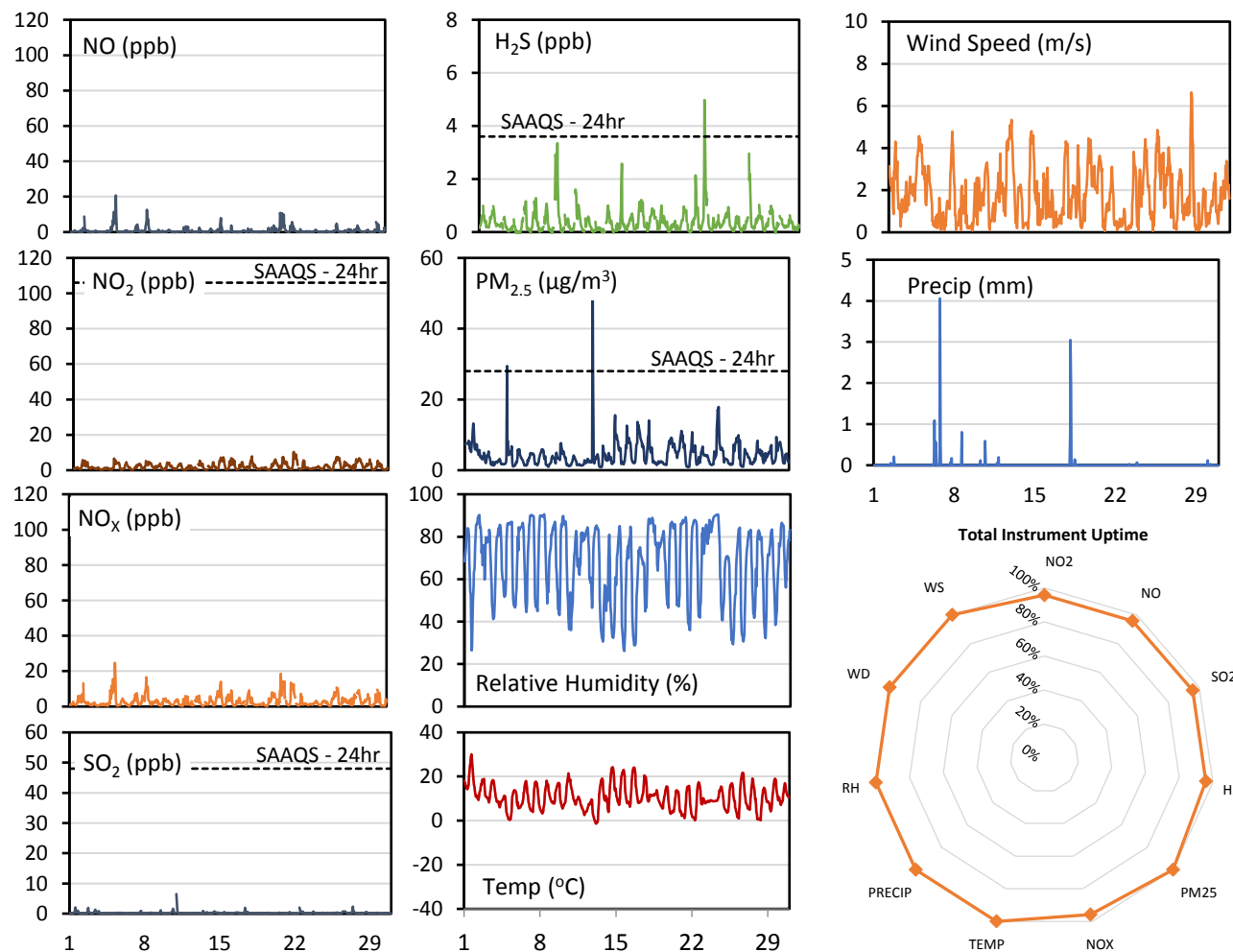
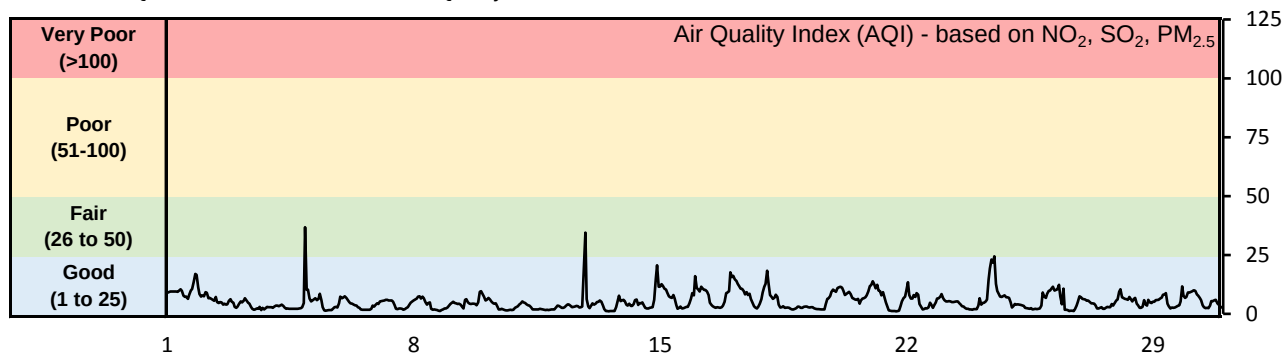
Monthly Update

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

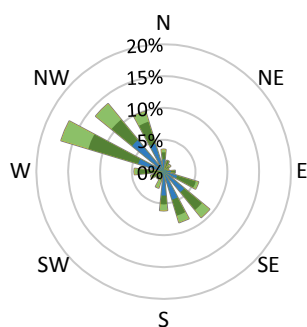
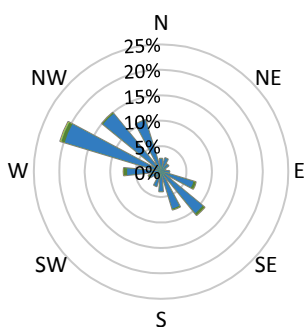
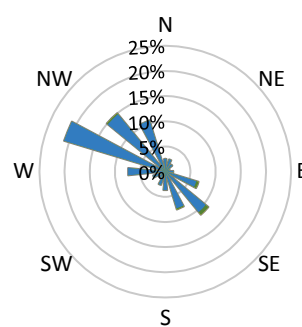
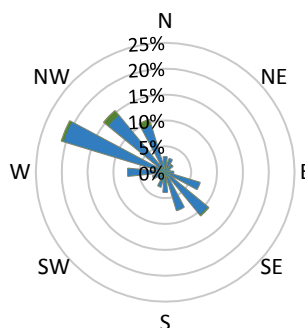
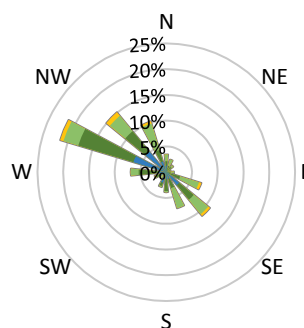
WYAMZ Maidstone Station - September 2016 Summary Report

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	0.8	96%	3.6	Sep-21	-	-	20.7	Sep-05 08:00	-	-
NO ₂	ppb	2.2	96%	3.9	Sep-22	106	0	10.3	Sep-22 00:00	159	0
NO _x	ppb	3.0	96%	6.6	Sep-21	-	-	24.7	Sep-05 08:00	-	-
SO ₂	ppb	0.2	96%	0.6	Sep-10	48	0	6.5	Sep-10 23:00	172	0
H ₂ S	ppb	0.4	96%	1.0	Sep-22	3.6	0	5.0	Sep-22 03:00	11	0
PM _{2.5}	µg/m ³	4.3	100%	7.8	Sep-01	28	0	52.3	Sep-12 20:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Wind Rose


SO₂ Pollutant Rose

H₂S Pollutant Rose

NO₂ Pollutant Rose

PM_{2.5} Pollutant Rose


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

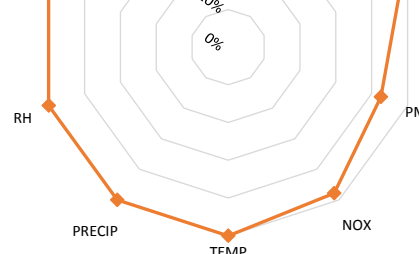
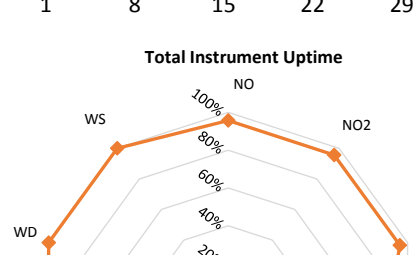
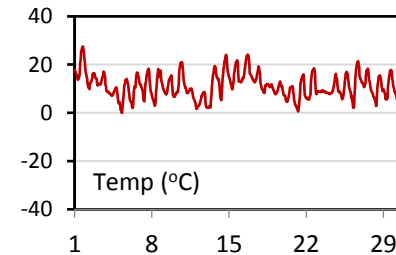
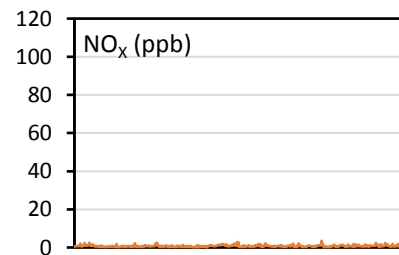
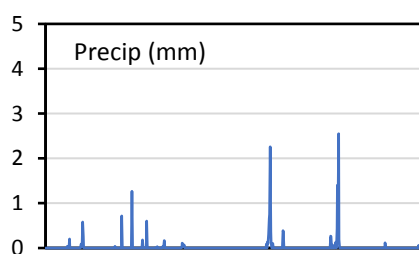
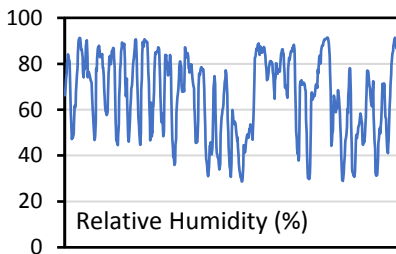
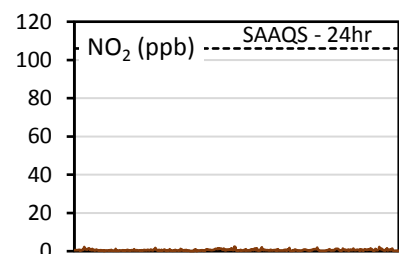
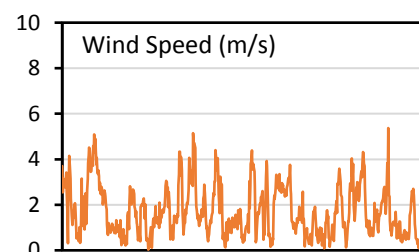
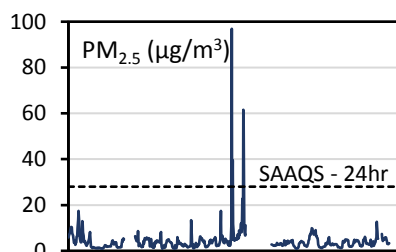
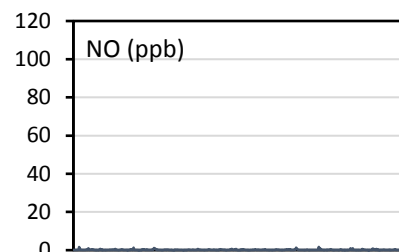
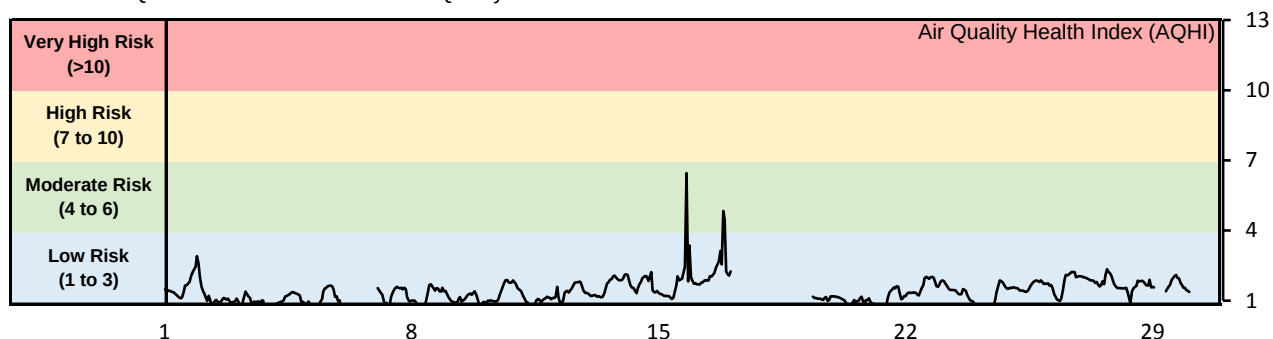
Monthly Update

- Achieved 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

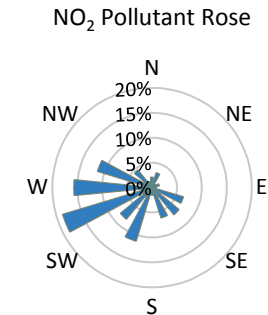
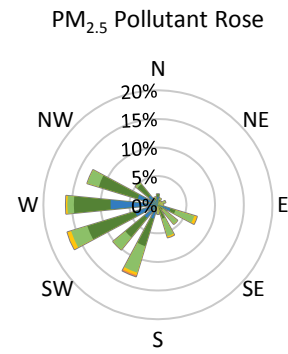
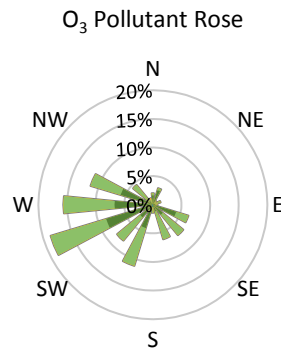
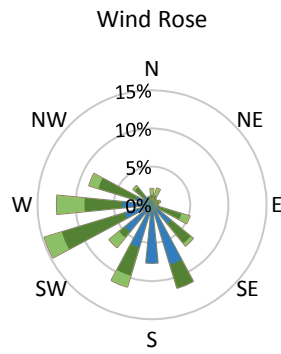
WYAMZ Meadow Lake Station - September 2016 Summary Report

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	96%	0.3	Sep-08	-	-	1.7	Sep-23 11:00	-	-
NO ₂	ppb	0.6	96%	1.1	Sep-14	106	0	2.4	Sep-15 19:00	159	0
NO _x	ppb	0.8	96%	1.3	Sep-14	-	-	3.5	Sep-23 11:00	-	-
O ₃	ppb	21.8	96%	32.0	Sep-27	-	-	40.2	Sep-27 17:00	82	0
PM _{2.5}	µg/m ³	4.2	85%	12.4	Sep-16	28	0	96.9	Sep-15 19:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Meadow Lake Station - September 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}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

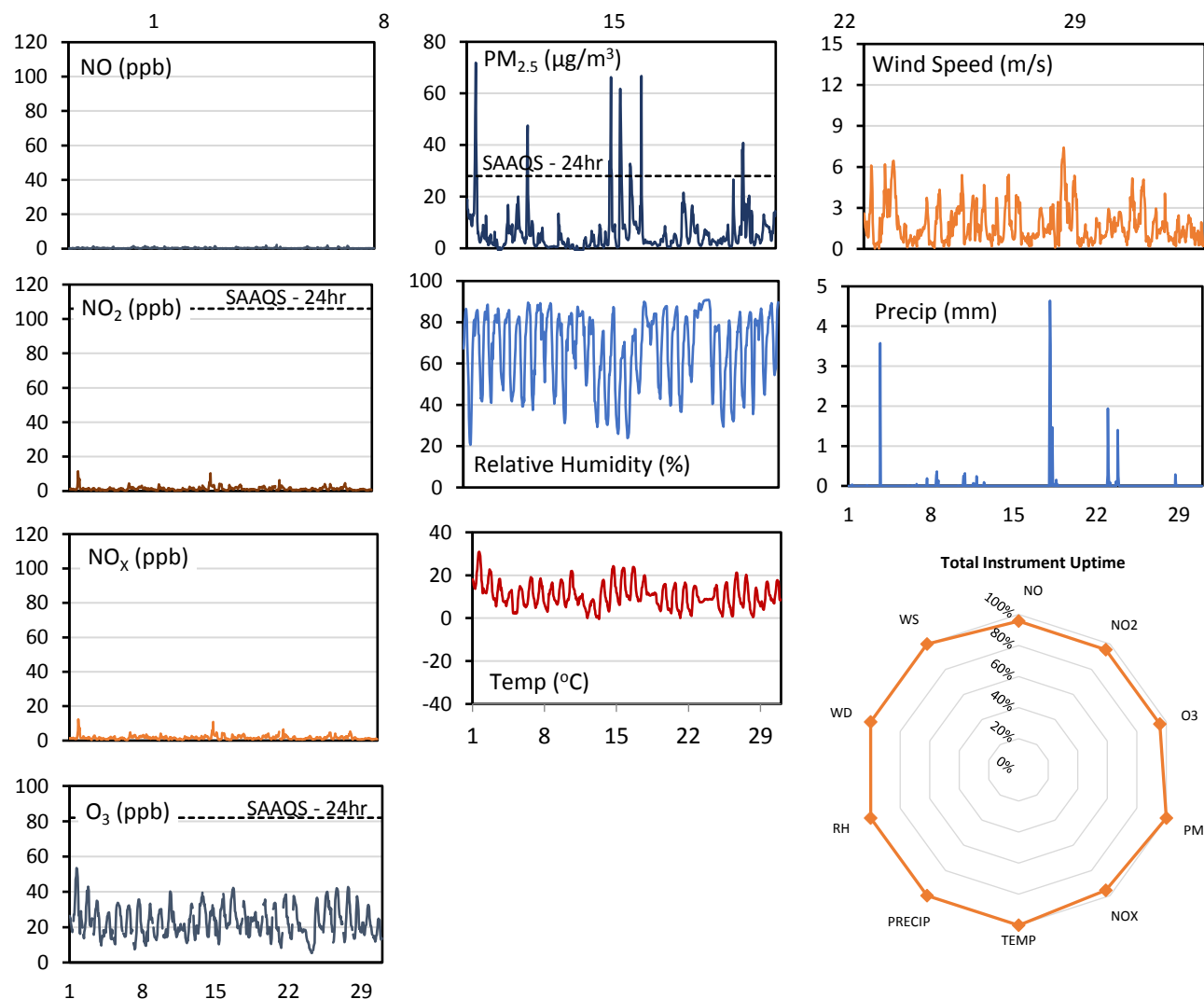
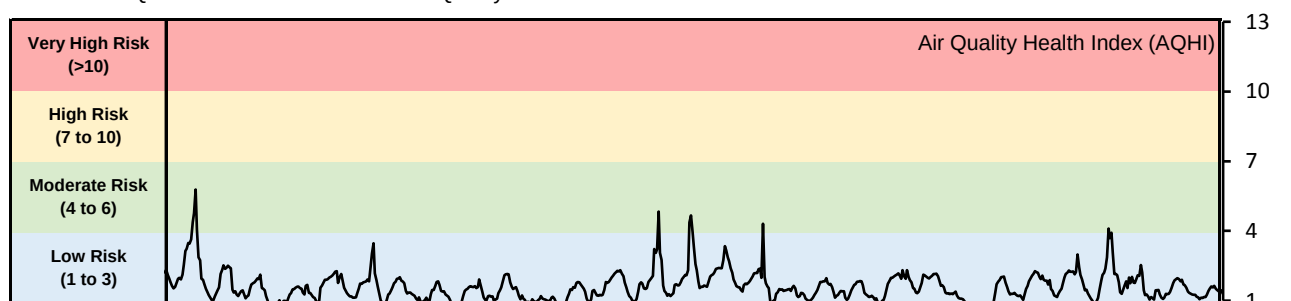
Monthly Update

- Achieved 100% of scheduled uptime for all parameters except PM_{2.5} (85%)
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- Downtime in PM_{2.5} due to operational issues

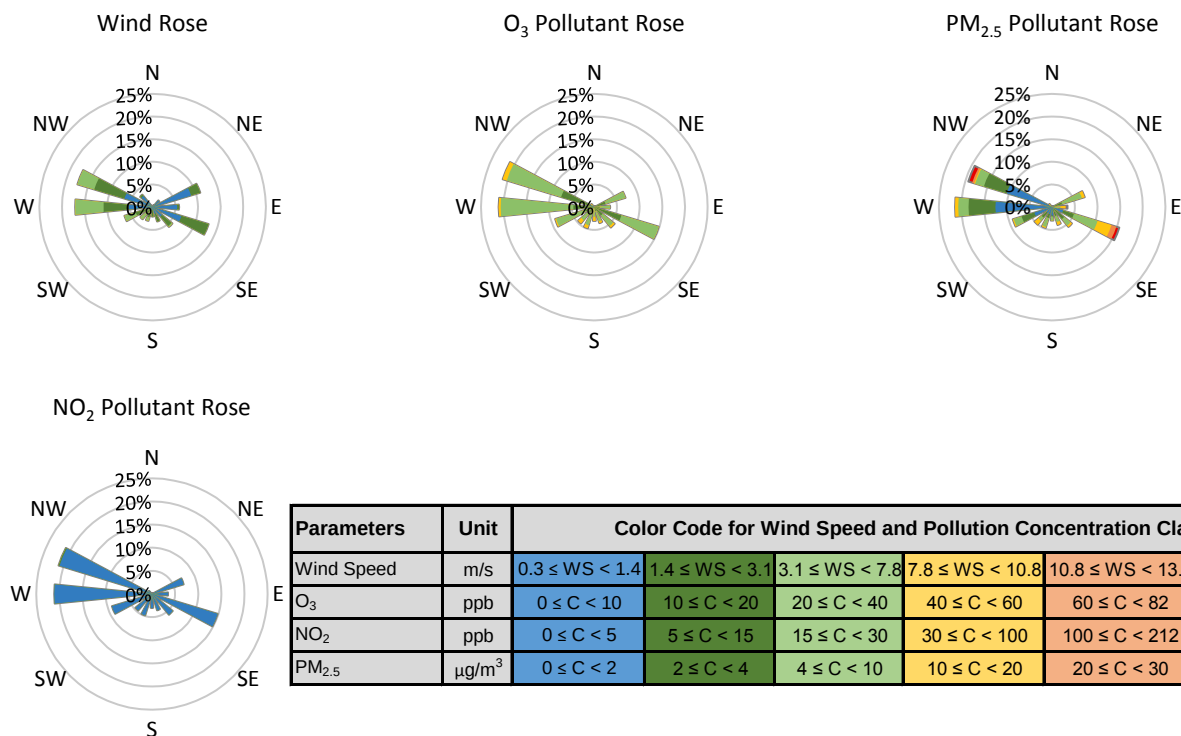
WYAMZ Unity Station - September 2016 Summary Report

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	96%	0.5	Sep-07	-	-	2.2	Sep-21 10:00	-	-
NO ₂	ppb	1.3	96%	2.4	Sep-15	106	0	11.5	Sep-01 21:00	159	0
NO _x	ppb	1.7	96%	2.8	Sep-15	-	-	12.3	Sep-01 21:00	-	-
O ₃	ppb	23.2	96%	32.1	Sep-01	-	-	53.5	Sep-01 16:00	82	0
PM _{2.5}	µg/m ³	6.1	100%	19.8	Sep-01	28	0	71.9	Sep-01 21:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



WYAMZ Unity Station - September 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