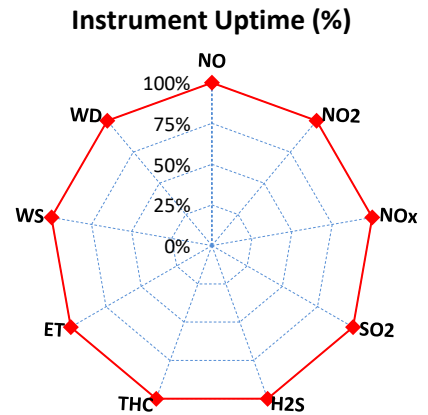
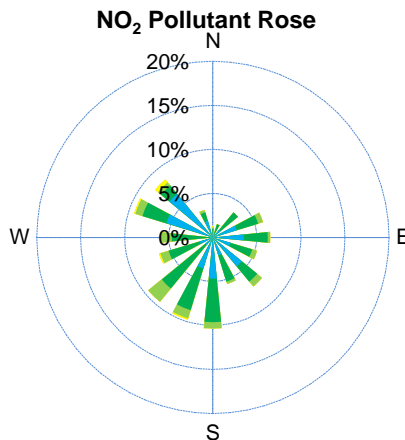
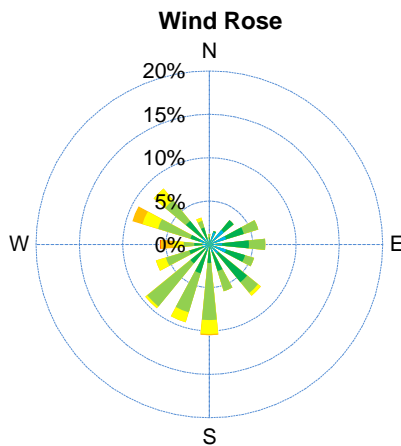
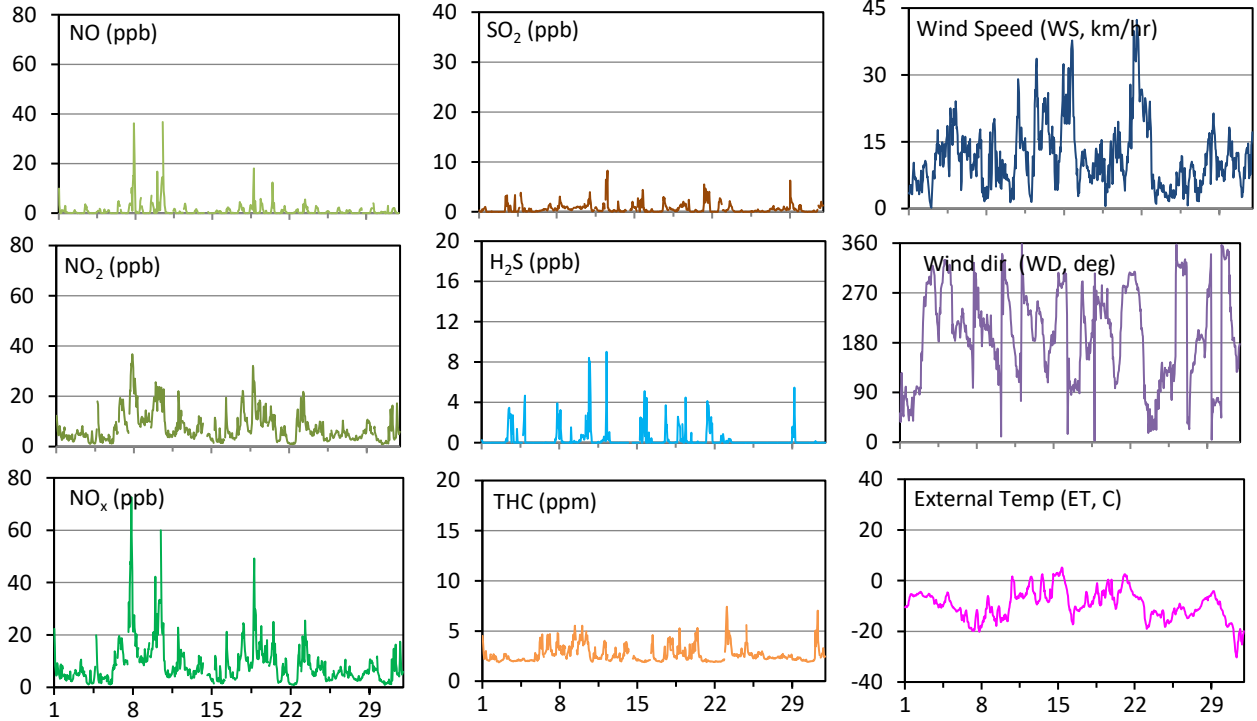


Husky Oil Operations Limited East Station - December 2018 Summary Report

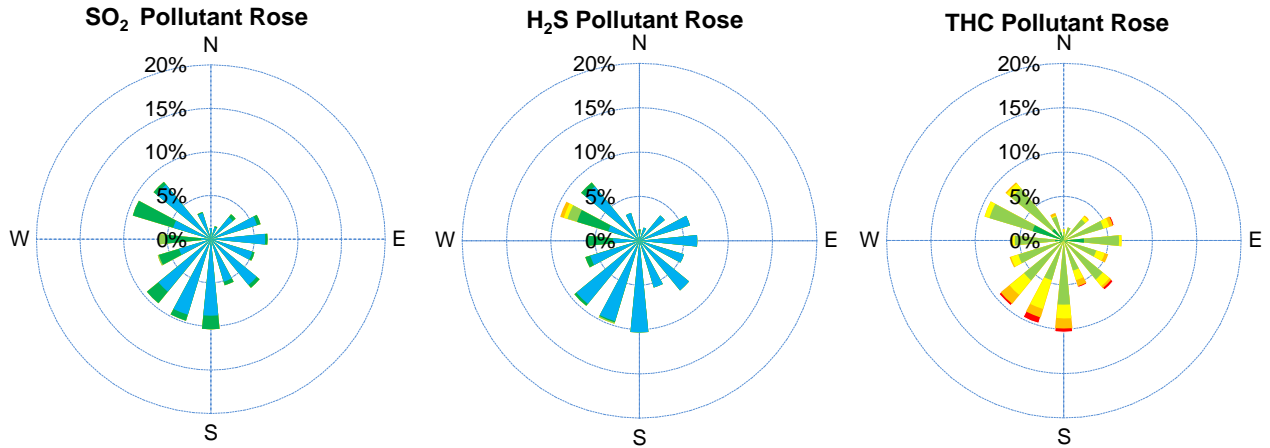
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standards	Exceed Days	Maximum		SAAQS Standards	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.1	100.0%	6.3	Dec-7	-	-	36.7	Dec-10 12:00	-	-
NO ₂	ppb	7.5	100.0%	18.0	Dec-7	106	0	36.8	Dec-07 21:00	159	0
NO _x	ppb	8.6	100.0%	24.2	Dec-7	-	-	72.6	Dec-07 21:00	-	-
SO ₂	ppb	1.0	100.0%	2.0	Dec-21	48	0	8.3	Dec-12 14:00	172	0
H ₂ S	ppb	0.0	100.0%	2.0	Dec-10	3.6	0	9.0	Dec-12 07:00	11.0	0
THC	ppm	2.7	100.0%	3.9	Dec-9	-	-	7.4	Dec-23 03:00	-	-

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 < 11	C ≥ 11
THC	ppm	0 ≤ C < 1	1 ≤ C < 2	2 ≤ C < 3	3 ≤ C < 4	4 ≤ C < 5	C ≥ 5

Husky Oil Operations Limited East Station - December 2018 Summary Report



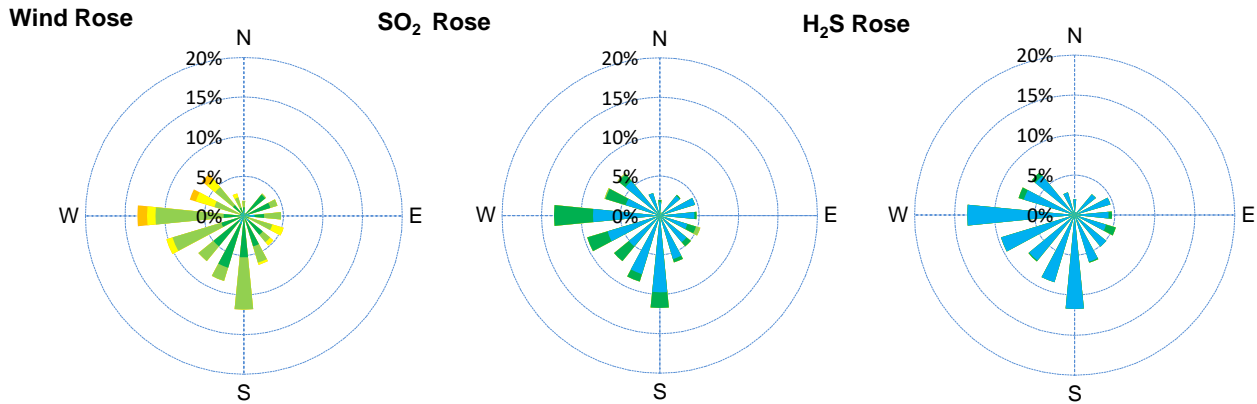
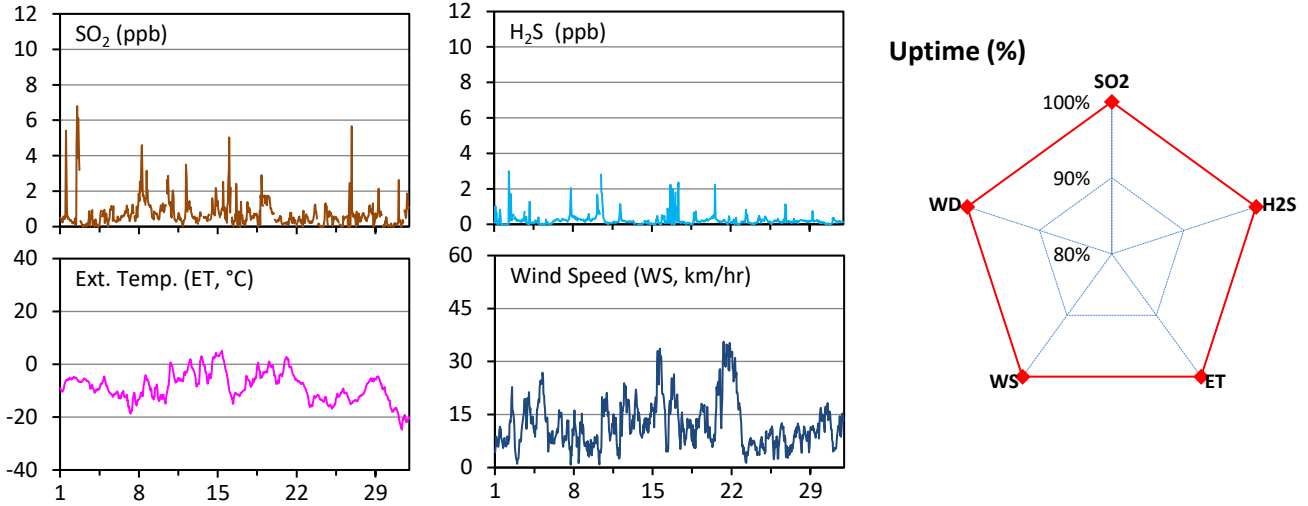
Monthly Update

- *Air monitoring data has been validated. 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.

Husky Oil Operations Limited West Station - December 2018 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	1.0	100.0%	2.0	Dec-8	48 / 48	0 / 0	7.0	Dec-02 13:00	172 / 172	0 / 0
H ₂ S	ppb	0.0	100.0%	1.0	Dec-10	3 / 3.6	0 / 0	3.0	Dec-02 08:00	10 / 11.0	0 / 0

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



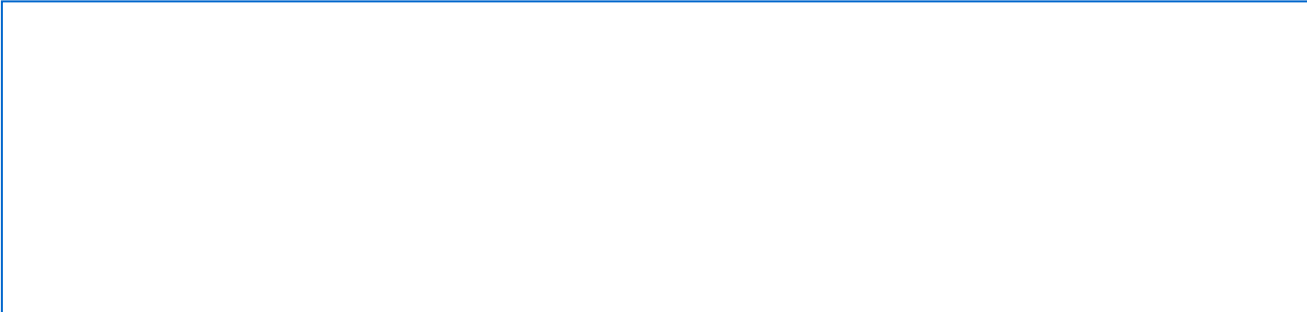
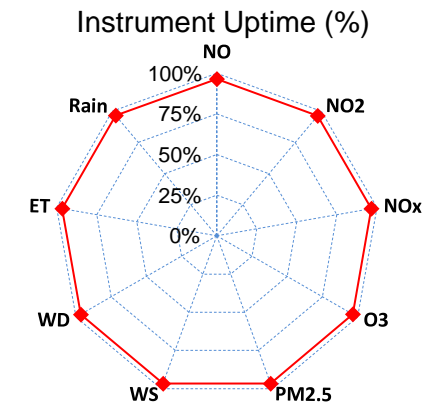
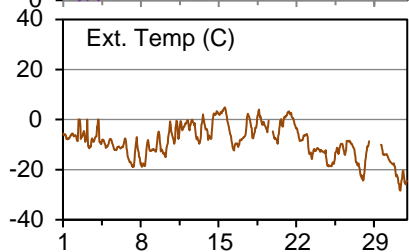
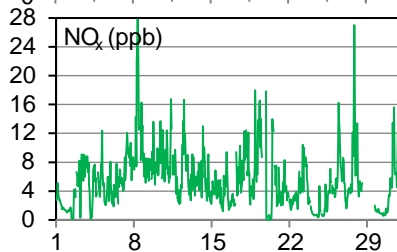
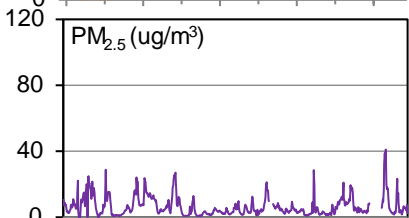
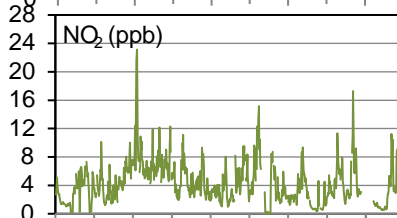
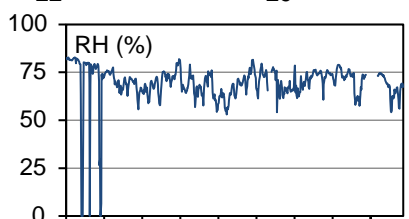
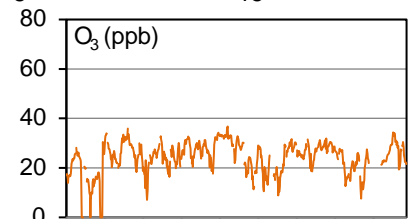
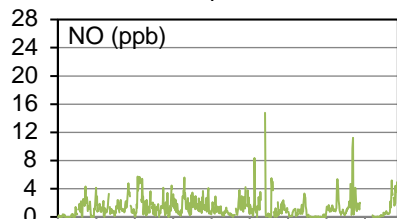
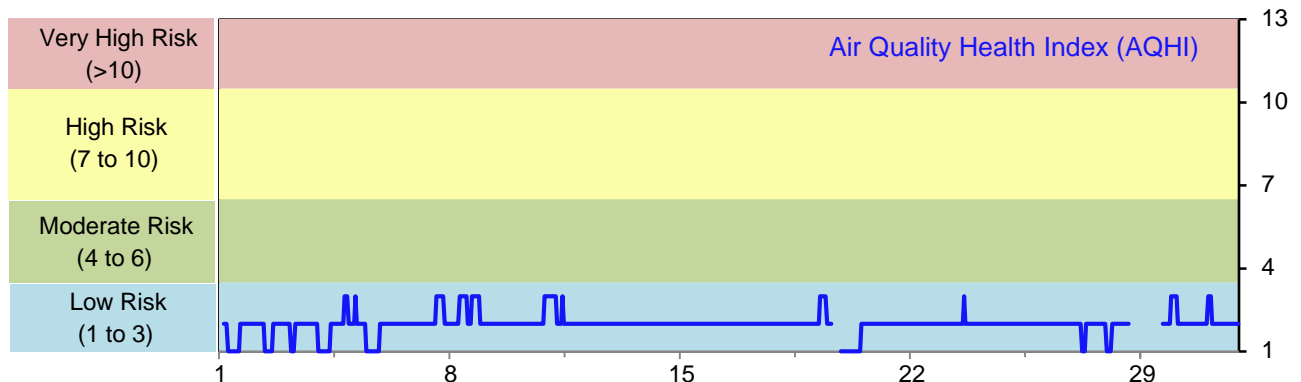
Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	km/hr	1 ≤ WS < 5	5 ≤ WS < 10	10 ≤ WS < 20	20 ≤ WS < 30	30 ≤ WS < 40	WS ≥ 40
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H ₂ S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 11	C ≥ 11

Monthly Update

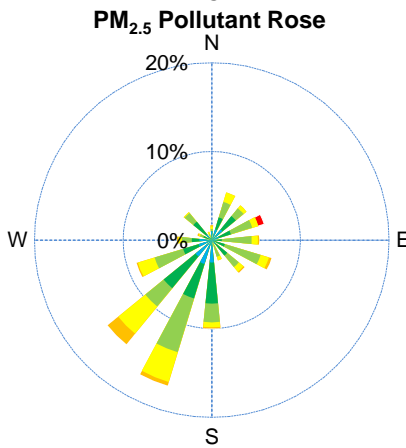
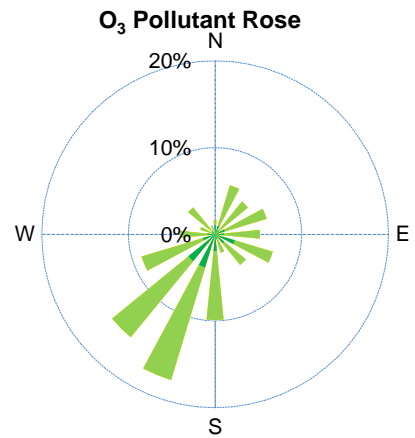
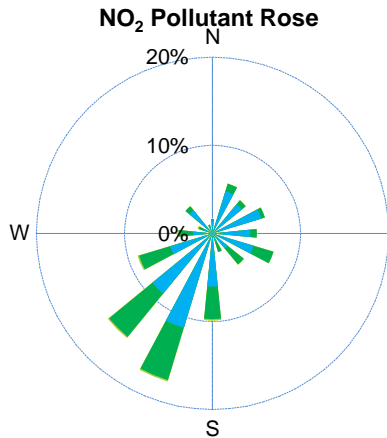
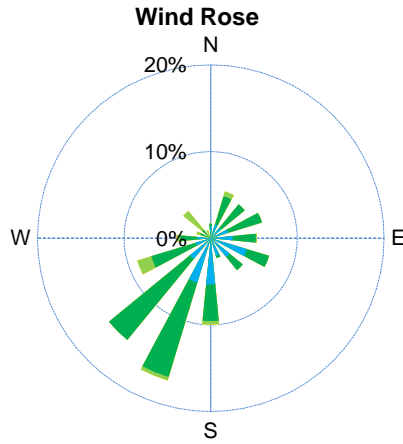
- *Air monitoring data has been validated. Data may change after validation process.
- *All compliance parameters were within the Alberta Ambient Air Quality Objectives and the Saskatchewan Ambient Air Quality Standards.
- *All compliance parameters are above 90% operational. There are no operational issues to report.

WYAMZ Clavet Station - December 2018 Summary Report

SAQS: Saskatchewan Ambient Air Quality Standards

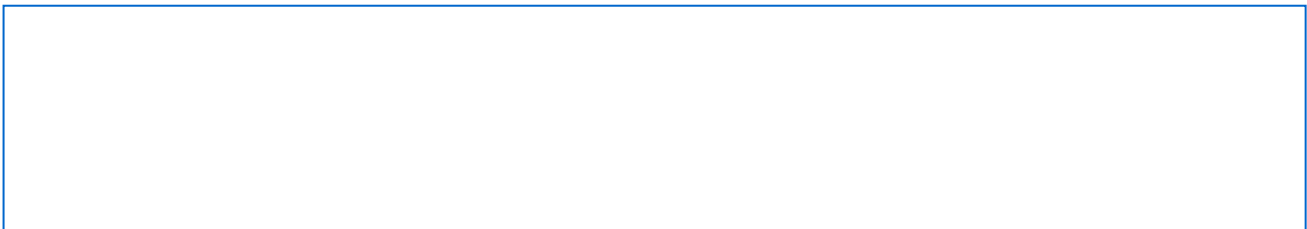
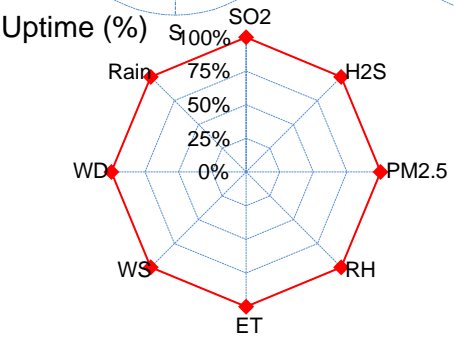
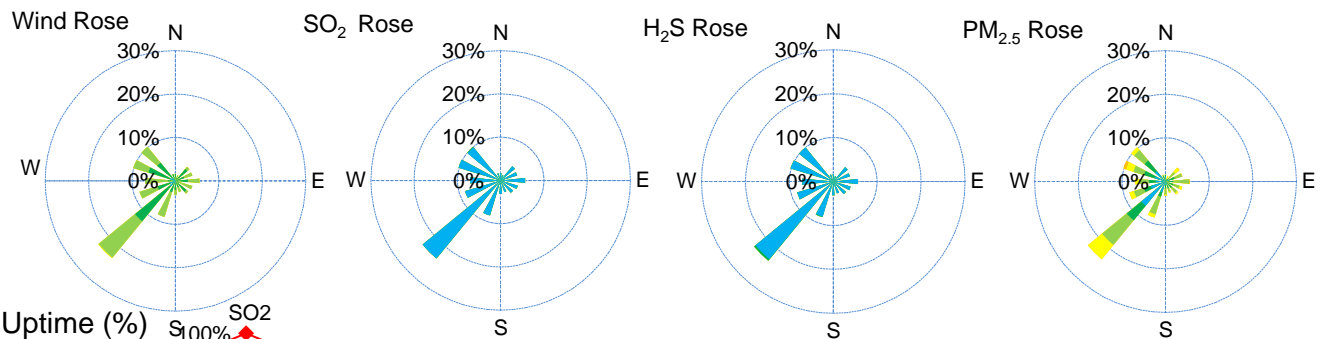
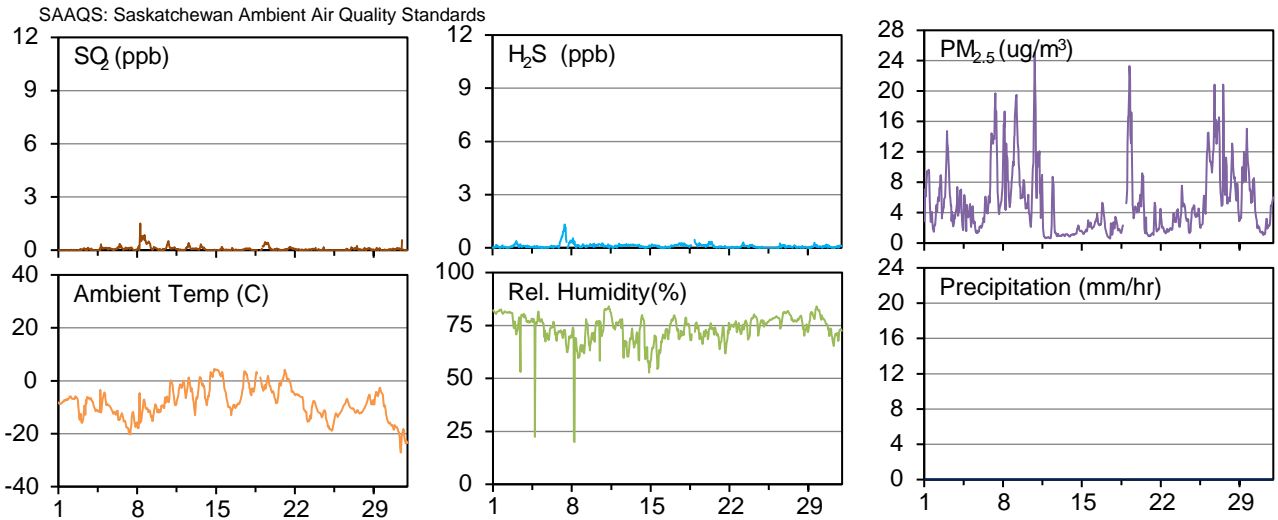


WYAMZ Clavet Station - December 2018 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
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}	ug/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$

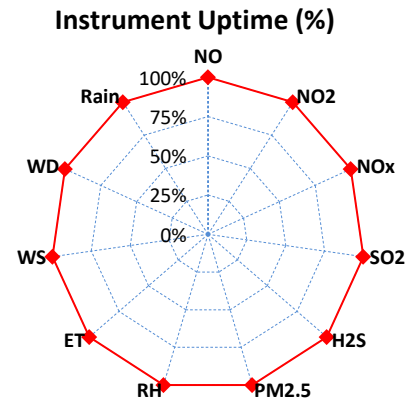
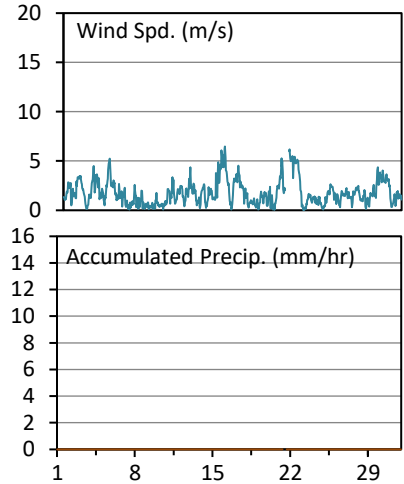
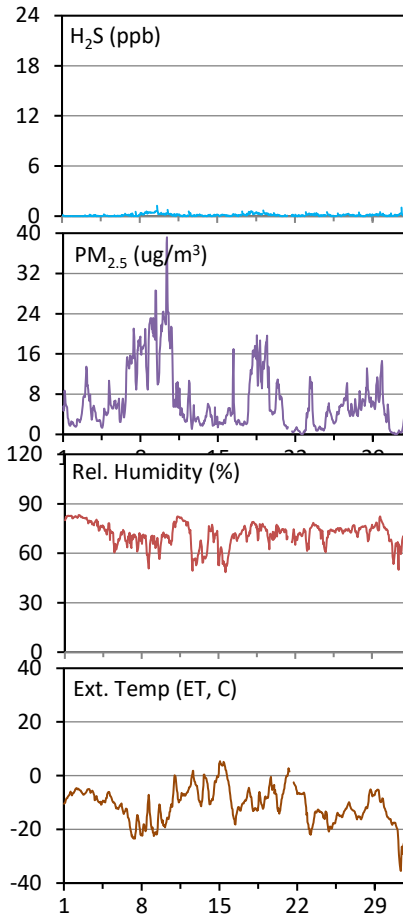
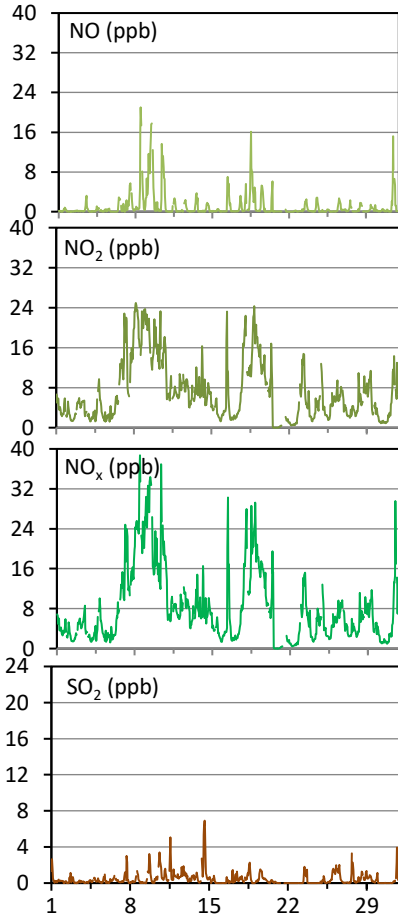
WYAMZ Kerrobert Station - December 2018 Summary Report



WYAMZ Maidstone Station - December 2018 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	100.0%	6.5	Dec-9	-	-	21.0	Dec-08 11:00	-	-
NO ₂	ppb	7.1	100.0%	21.0	Dec-8	106	0	24.9	Dec-08 04:00	159	0
NO _x	ppb	8.1	100.0%	25.0	Dec-8	-	-	38.7	Dec-08 11:00	-	-
SO ₂	ppb	0.5	100.0%	1.7	Dec-14	48	0	6.9	Dec-14 14:00	172	0
H ₂ S	ppb	0.1	100.0%	0.4	Dec-9	3.6	0	1.2	Dec-09 13:00	11	0
PM _{2.5}	ug/m3	7	100.0%	22	Dec-10	28	0	39	Dec-10 09:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

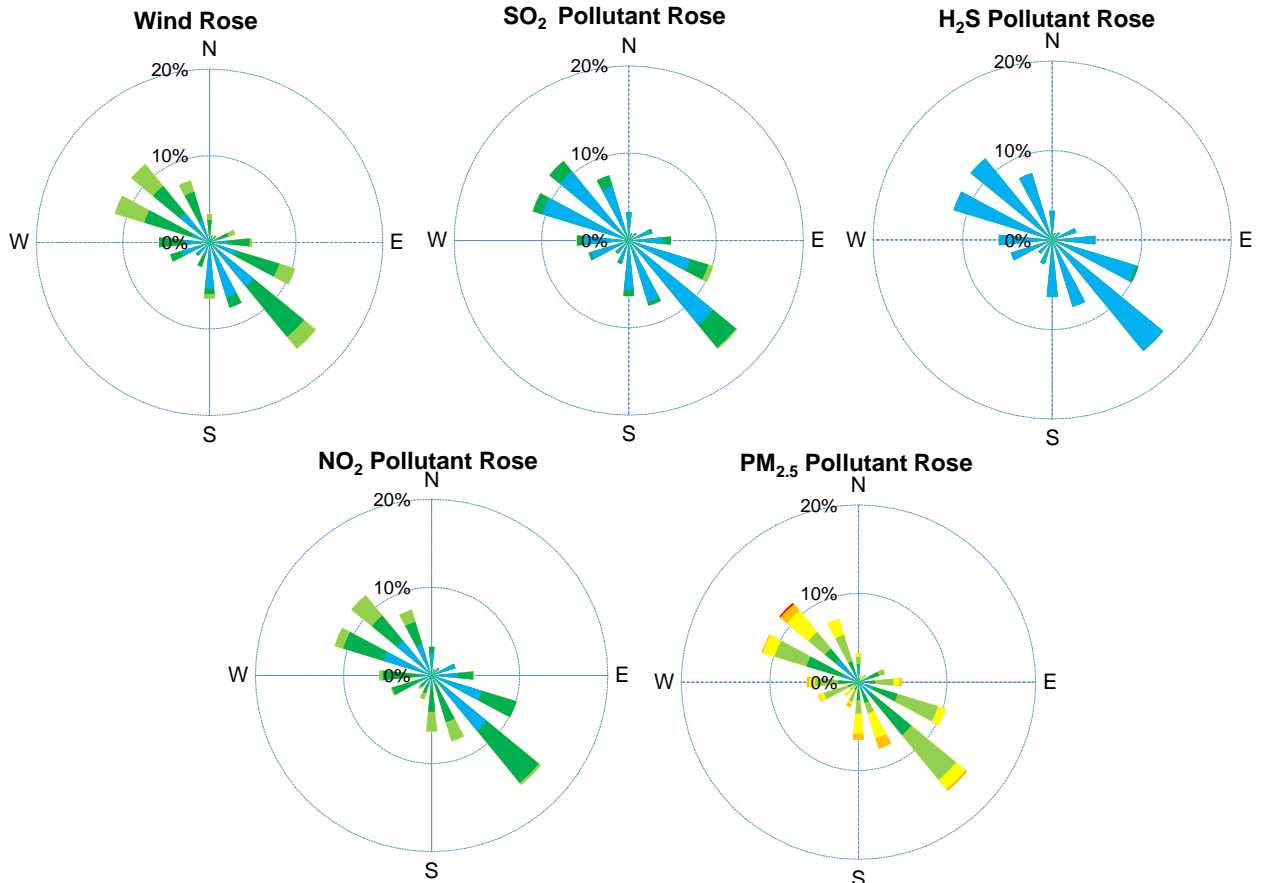


Monthly Update

- * 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.
- * Quarterly calibration completed Dec 21.



WYAMZ Maidstone Station - December 2018 Summary Report

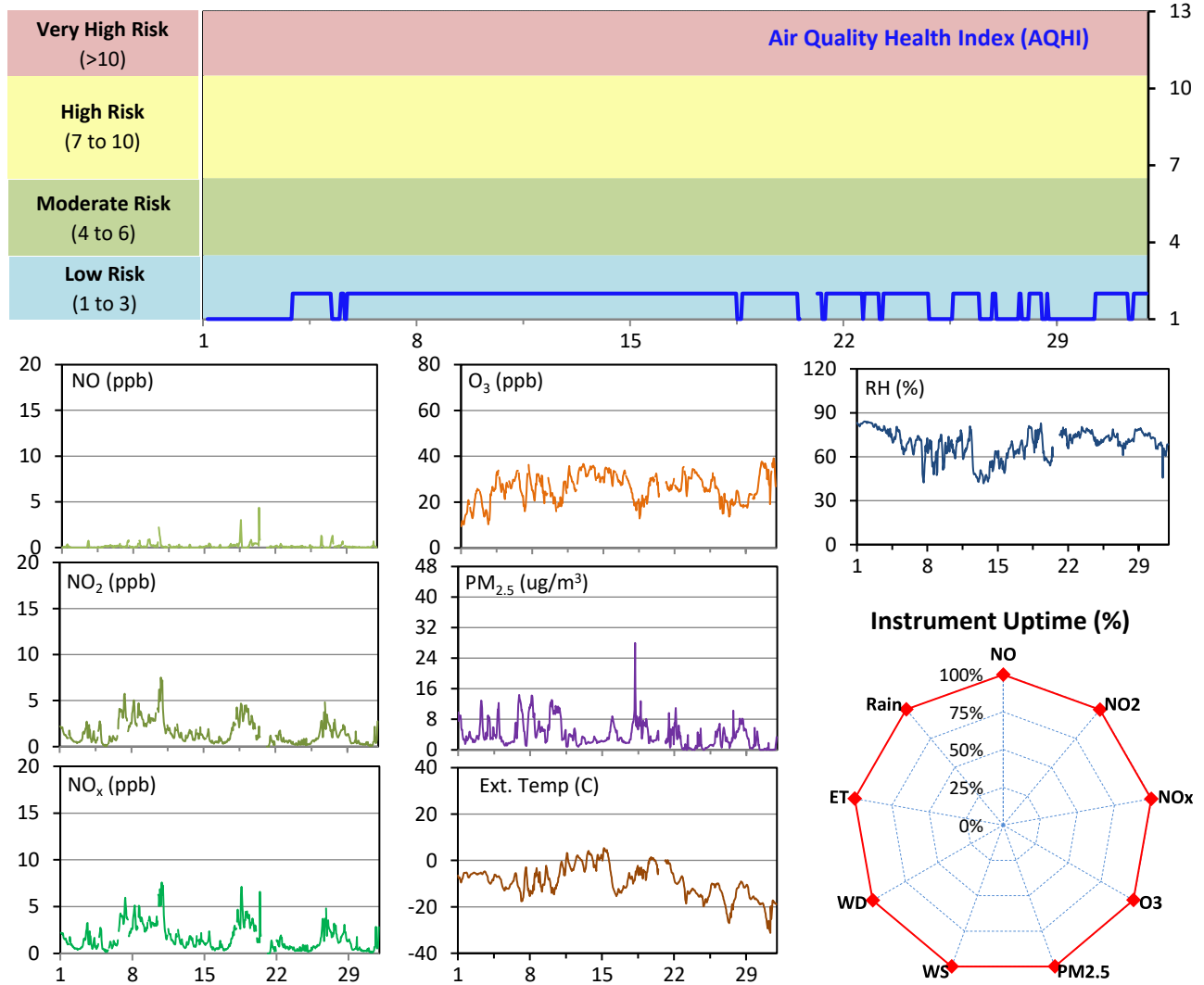


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6
SO ₂	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ 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

WYAMZ Meadow Lake Station - December 2018 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	0.2	99.7%	0.5	Dec-18	-	-	4.4	Dec-20 09:00	-	-
NO ₂	ppb	1.5	99.7%	4.4	Dec-10	106	0	7.5	Dec-10 20:00	159	0
NO _x	ppb	1.7	99.7%	4.8	Dec-10	-	-	7.6	Dec-10 20:00	-	-
O ₃	ppb	26	99.7%	34	Dec-13	-	-	39	Dec-31 17:00	82	0
PM _{2.5}	ug/m3	4	100.0%	11	Dec-10	28	0	28	Dec-18 04:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

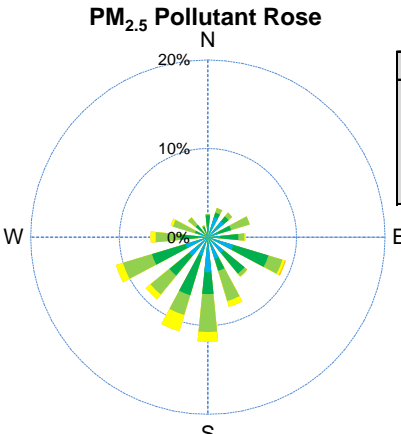
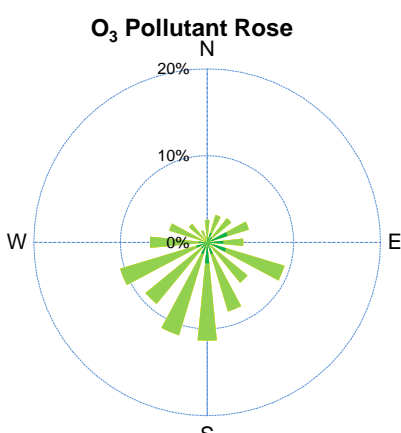
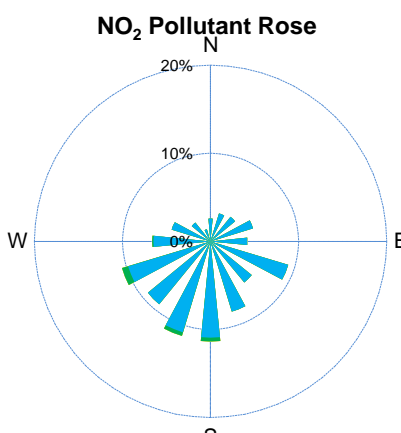
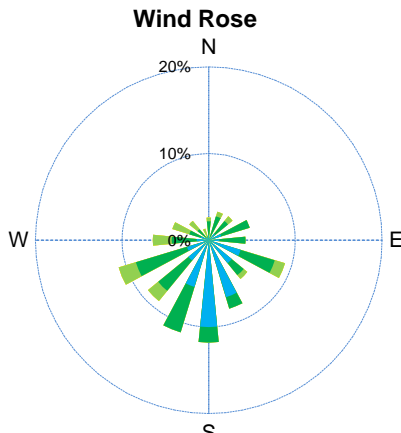


Monthly Update

- *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.
- * Quarterly calibration completed Dec 20.



WYAMZ Meadow Lake Station - December 2018 Summary Report



Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
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}	ug/m ³	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$

