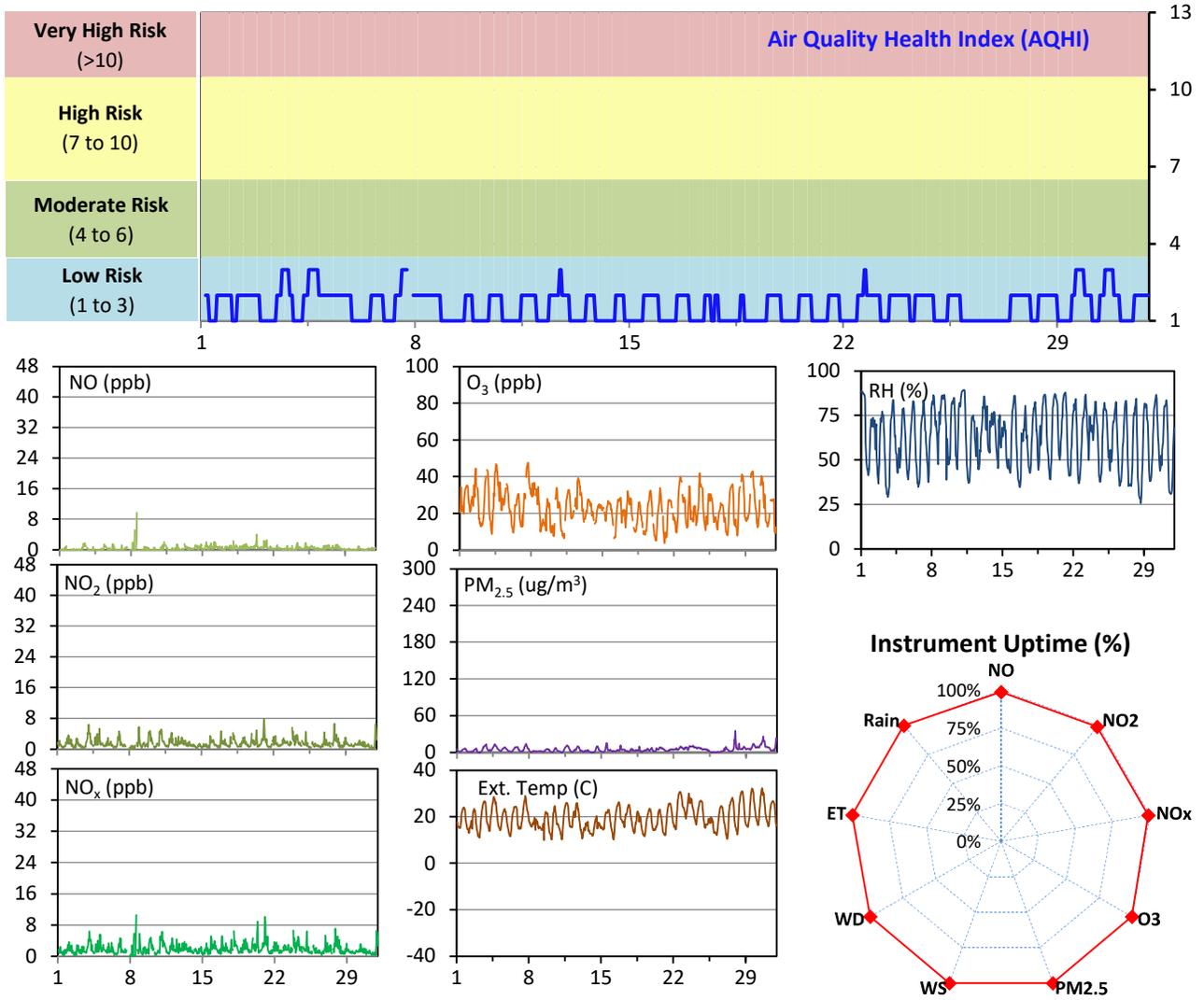


## WYAMZ Clavet Station - July 2020 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
				Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Time			Conc.	Time		
Name	Conc. Unit	Avg. Conc.	Uptime	Conc.	Time	Objective	Days	Conc.	Time	Objective	Hours
NO	ppb	0.4	98.9%	0.9	Jul-20	-	-	9.7	Jul-08 14:00	-	-
NO <sub>2</sub>	ppb	1.5	98.9%	2.3	Jul-4	106	0	7.8	Jul-21 01:00	159	0
NO <sub>x</sub>	ppb	1.9	98.9%	2.7	Jul-21	-	-	10.6	Jul-08 14:00	-	-
O <sub>3</sub>	ppb	23	100.0%	31	Jul-7	-	-	48	Jul-07 16:00	82	0
PM <sub>2.5</sub>	ug/m3	5	100.0%	13	Jul-30	28	0	35	Jul-27 23:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



### Monthly Update

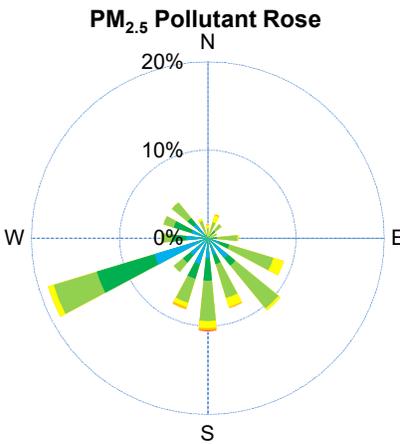
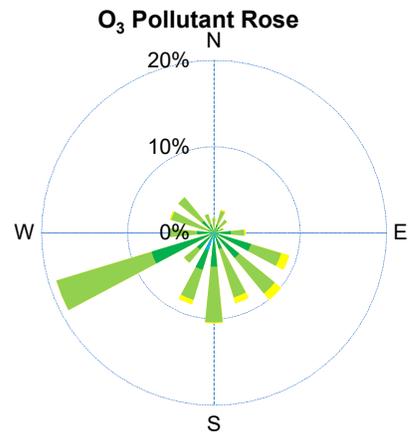
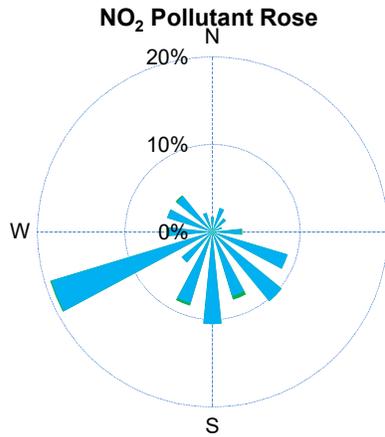
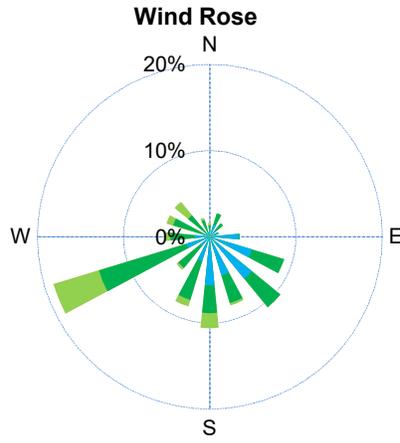
\*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

\*All compliance parameters were greater than 90% operational for the month.

\* Eight hours of data flagged as "analyzer failure" for the NO, NO<sub>2</sub> and NO<sub>x</sub> on July 7 and 8 due to instrumentation issues.

# WYAMZ Clavet Station - July 2020 Summary Report

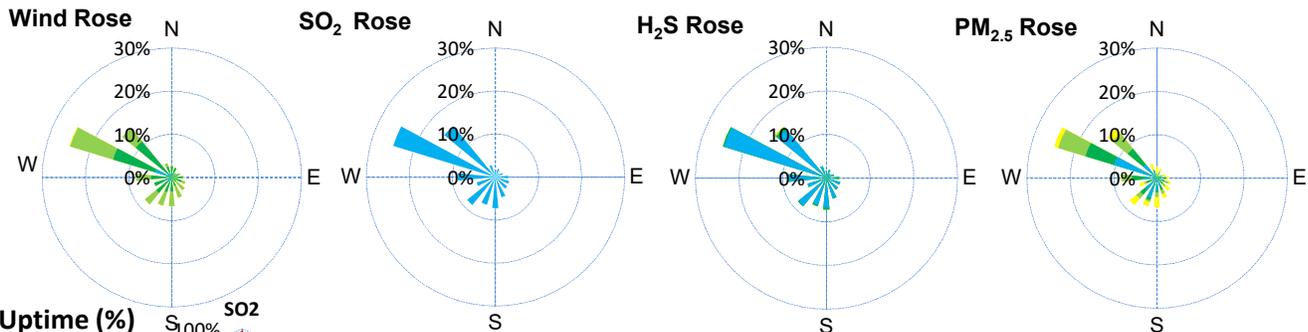
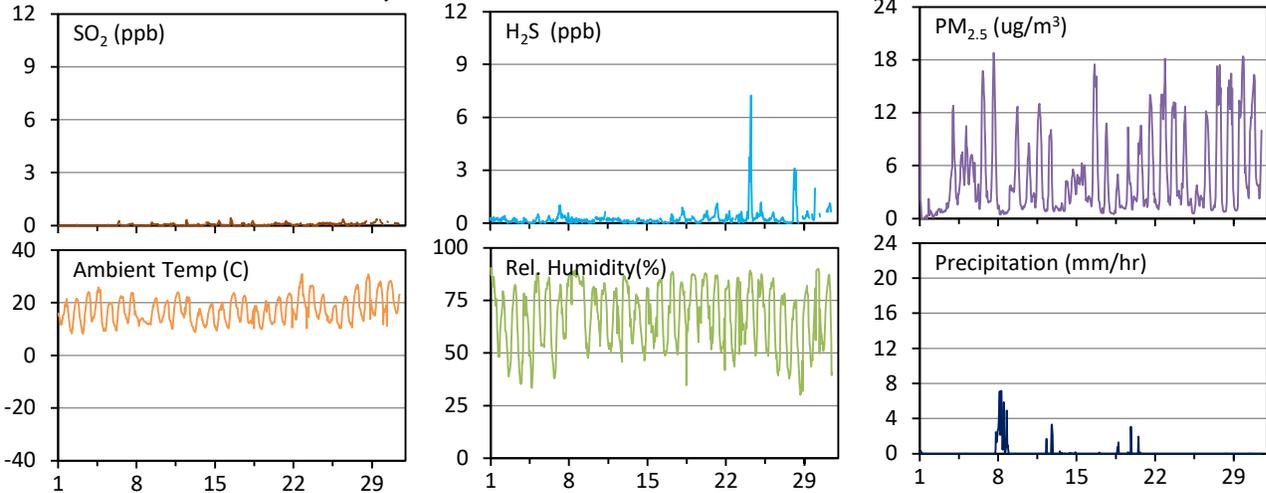


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class					
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$
NO <sub>2</sub>	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$
O <sub>3</sub>	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 <sub>2.5</sub>	ug/m <sup>3</sup>	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$

# WYAMZ Kerrobert Station - July 2020 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 <sub>2</sub>	ppb	0.1	93.3%	0.2	Jul-29	48	0	0.4	Jul-16 09:00	172	0
H <sub>2</sub> S	ppb	0.3	93.3%	1.3	Jul-24	3.6	0	7.2	Jul-24 06:00	11	0
PM <sub>2.5</sub>	ug/m <sup>3</sup>	5	98.3%	9	Jul-30	28	0	19	Jul-07 14:00	-	-

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 <sub>2</sub>	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172
H <sub>2</sub> S	ppb	0 ≤ C < 1	1 ≤ C < 3.6	3.6 ≤ C < 5	5 ≤ C < 8	8 ≤ C < 10.8	C ≥ 10.8
PM <sub>2.5</sub>	ug/m <sup>3</sup>	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

## Monthly Update

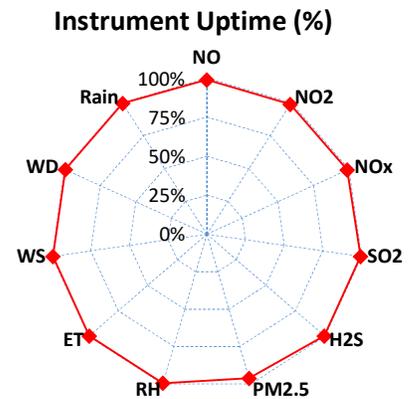
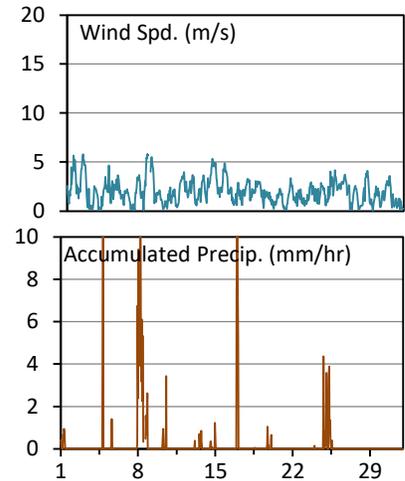
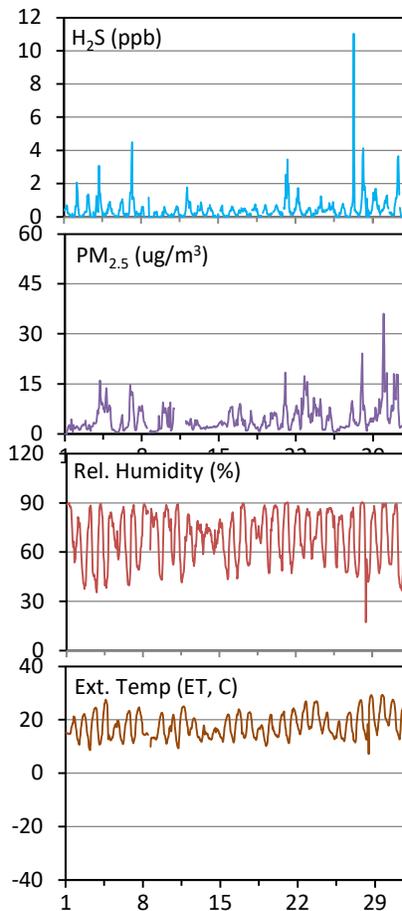
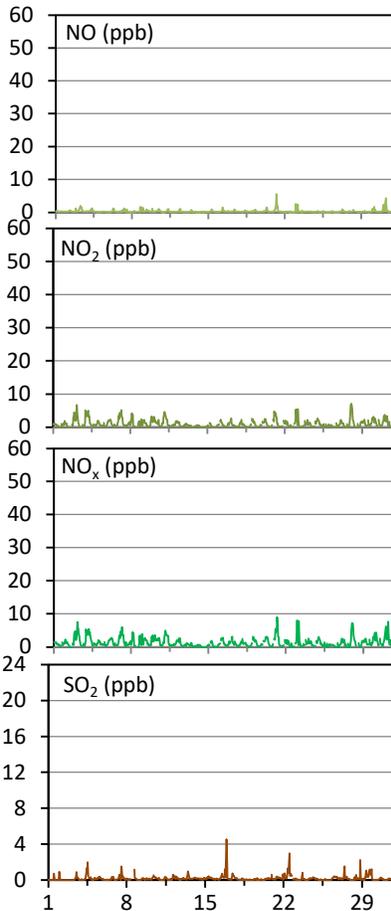
- \*All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- \*All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- \*All compliance parameters were greater than 90% operational.
- \* 36 hours of data flagged as "analyzer failure" for SO<sub>2</sub> and H<sub>2</sub>S, due to instrumentation issues. 12 hours of data flagged as "not in service" as the station was shutdown on July 31.



# WYAMZ Maidstone Station - July 2020 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	0.3	98.9%	0.9	Jul-21	-	-	5.6	Jul-21 05:00	-	-
NO <sub>2</sub>	ppb	1.0	98.9%	1.7	Jul-4	106	0	7.1	Jul-28 00:00	159	0
NO <sub>x</sub>	ppb	1.3	98.9%	2.3	Jul-21	-	-	9.0	Jul-21 05:00	-	-
SO <sub>2</sub>	ppb	0.2	99.4%	0.7	Jul-16	48	0	4.6	Jul-16 21:00	172	0
H <sub>2</sub> S	ppb	0.4	99.4%	1.1	Jul-27	3.6	0	11	Jul-27 06:00	11	0
PM <sub>2.5</sub>	ug/m3	5	96.1%	10	Jul-30	28	0	36	Jul-29 23:00	-	-

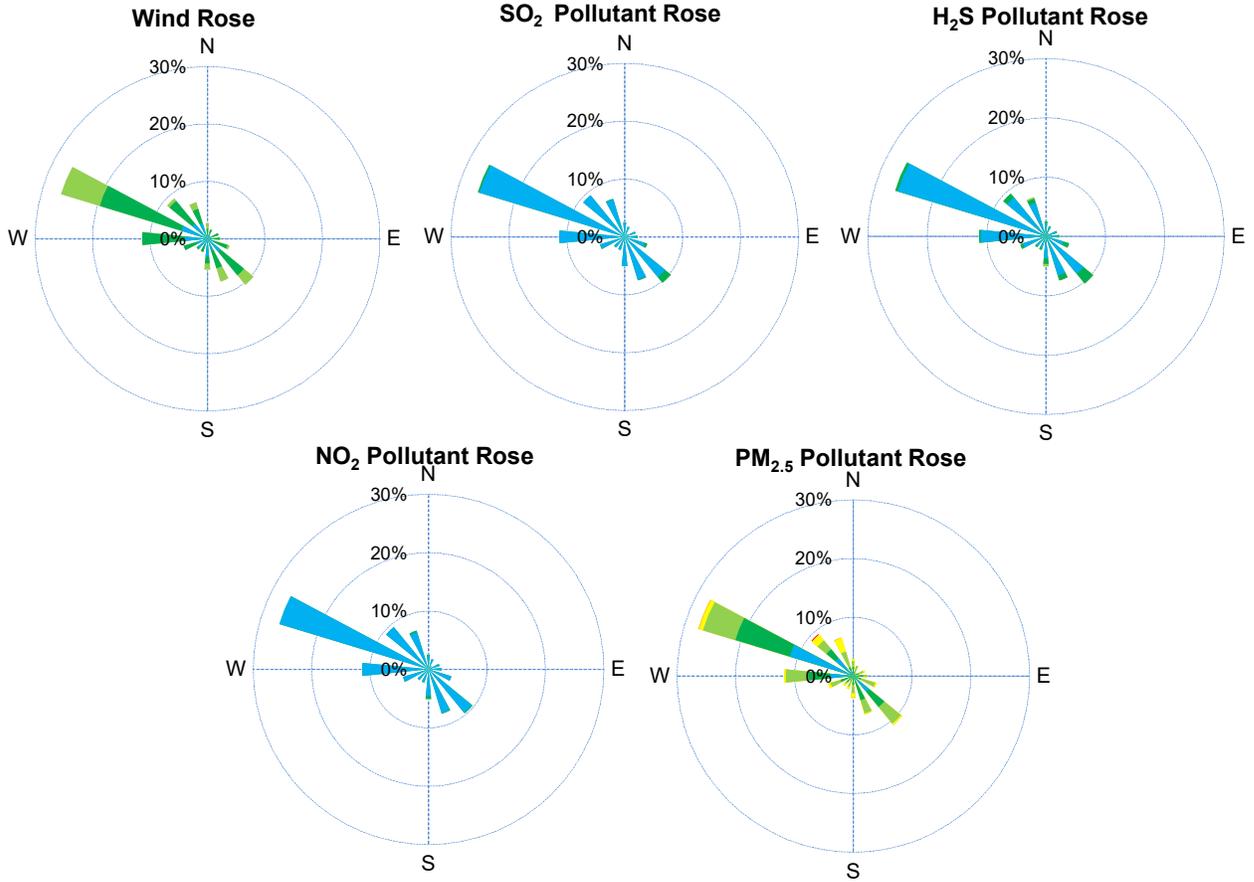
SAAQS: Saskatchewan Ambient Air Quality Standards



## 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.
- \* Four hours of data was flagged as "power failure" for all parameters due to a blown fuse at the station.

# WYAMZ Maidstone Station - July 2020 Summary Report

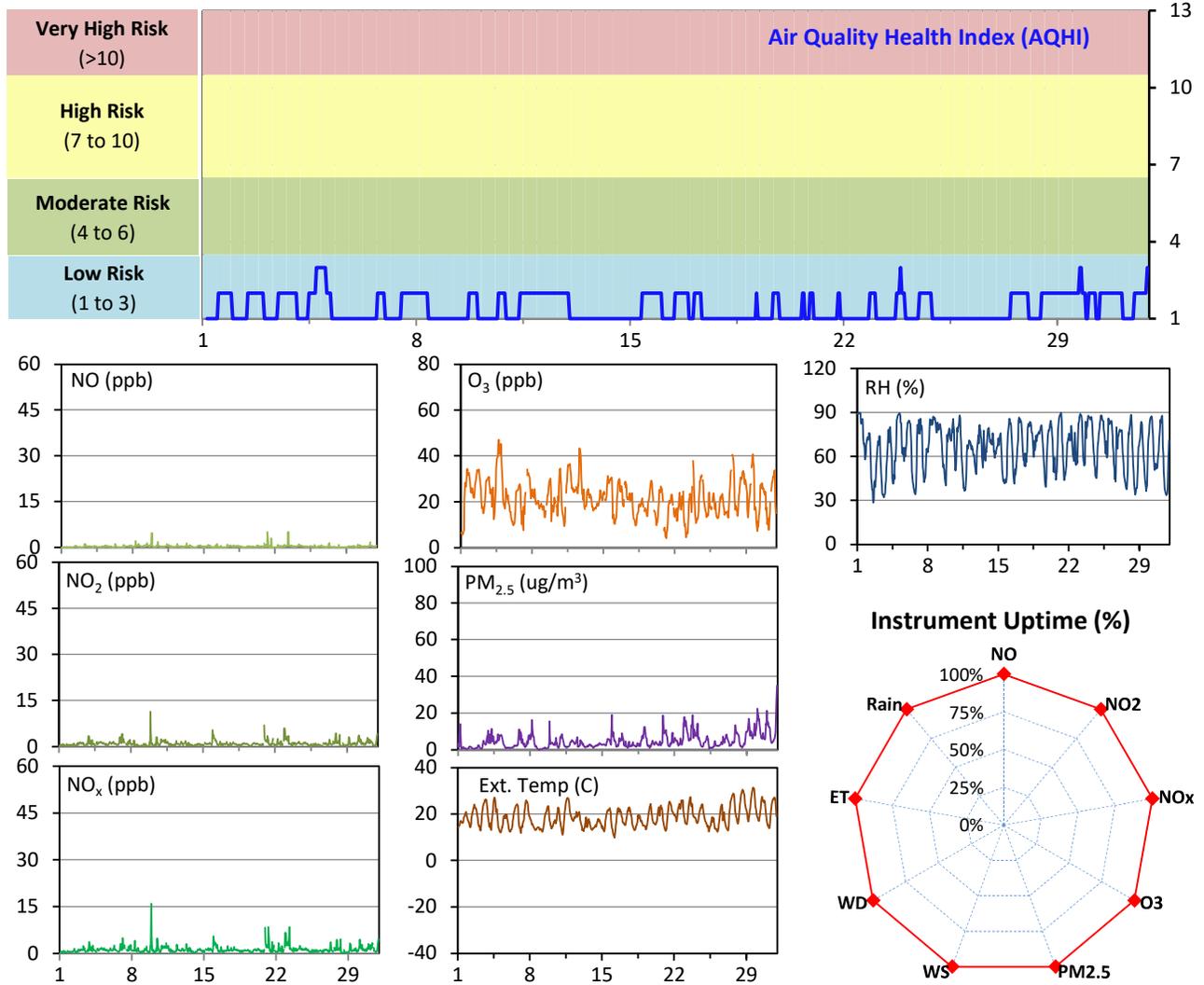


Parameters	Unit	Color Code for Wind Spd & Pollutant Conc. Class						
Wind Speed	m/s	0.3 ≤ WS < 1.4	1.4 ≤ WS < 3.1	3.1 ≤ WS < 7.8	7.8 ≤ WS < 10.8	10.8 ≤ WS < 13.6	WS ≥ 13.6	
SO <sub>2</sub>	ppb	0 ≤ C < 1	1 ≤ C < 5	5 ≤ C < 10	10 ≤ C < 57	57 ≤ C < 172	C ≥ 172	
NO <sub>2</sub>	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212	
H <sub>2</sub> 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 City Station - July 2020 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	0.3	100.0%	0.7	Jul-9	-	-	5.1	Jul-23 07:00	-	-
NO <sub>2</sub>	ppb	1.0	100.0%	1.6	Jul-22	106	0	11.4	Jul-09 21:00	159	0
NO <sub>x</sub>	ppb	1.3	100.0%	2.2	Jul-23	-	-	16.1	Jul-09 21:00	-	-
O <sub>3</sub>	ppb	22	100.0%	31	Jul-4	-	-	47	Jul-04 17:00	82	0
PM <sub>2.5</sub>	ug/m3	5	100.0%	11	Jul-30	28	0	35	Jul-31 22:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



## Monthly Update

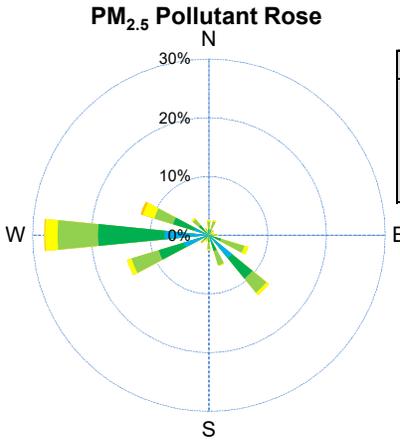
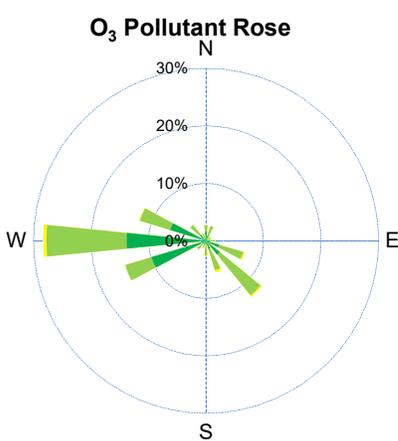
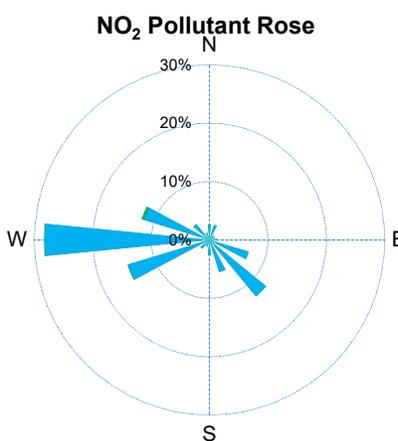
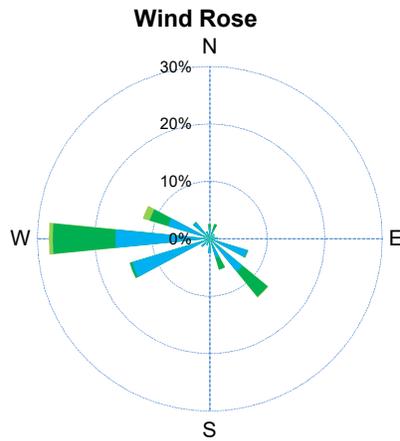
\*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

\*All compliance parameters were greater than 90% operational.



# WYAMZ Meadow Lake City Station - July 2020 Summary Report



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

