

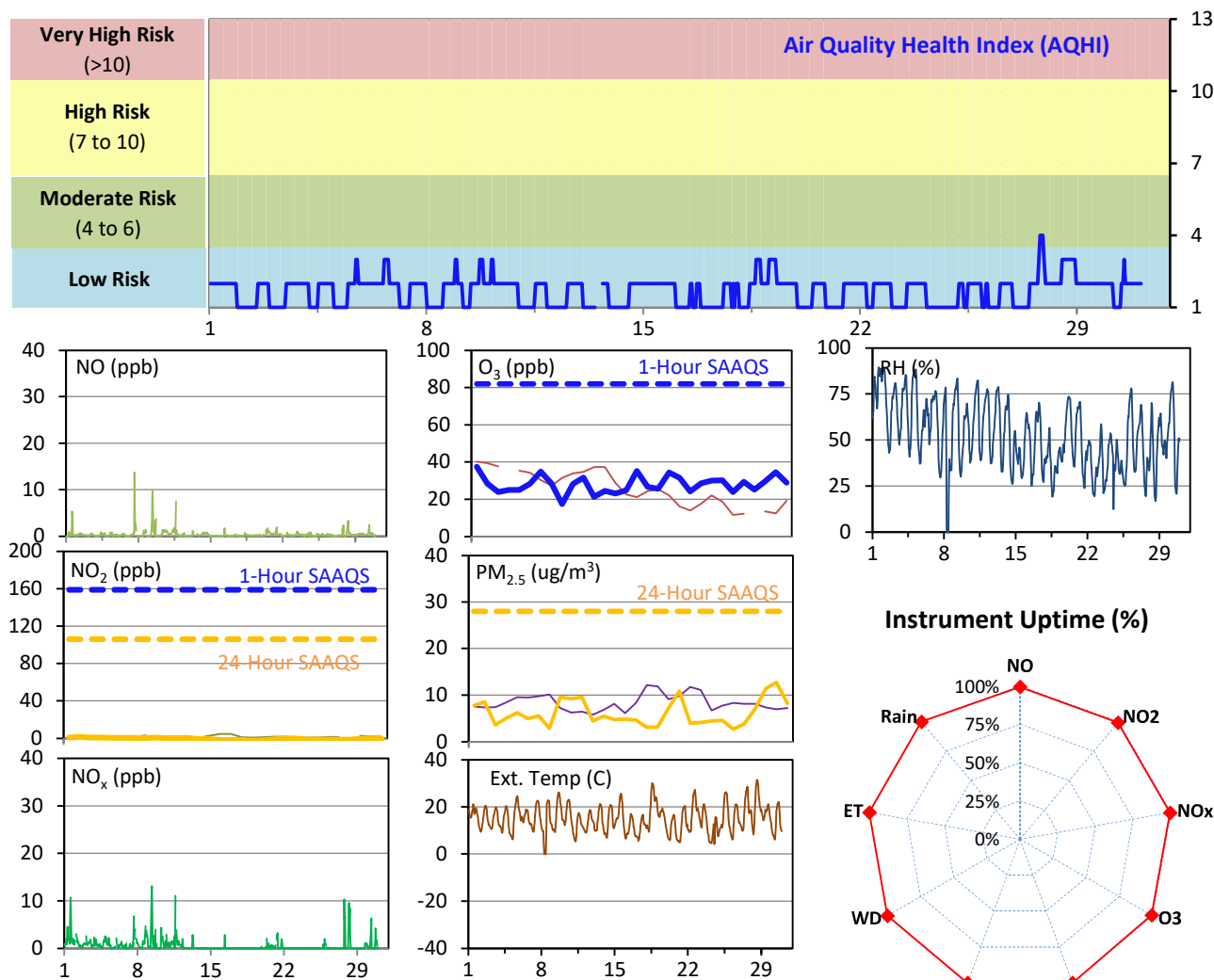
SESAA Esterhazy Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	99.4%	0.9	Sep-11	-	-	13.7	Sep-07 15:00	-	-
NO ₂	ppb	0.4	99.4%	1.5	Sep-1	106	0	8.8	Sep-27 18:00	159	0
NO _x	ppb	0.6	99.4%	2.4	Sep-1	-	-	13.1	Sep-09 09:00	-	-
O ₃	ppb	28	99.3%	35	Sep-15	-	-	49	Sep-28 15:00	82	0
PM _{2.5}	ug/m3	6	100.0%	13	Sep-28	28	0	76	Sep-27 19:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

* Dotted lines are for SAAQS limits and solid lines are for averages.



Monthly Update

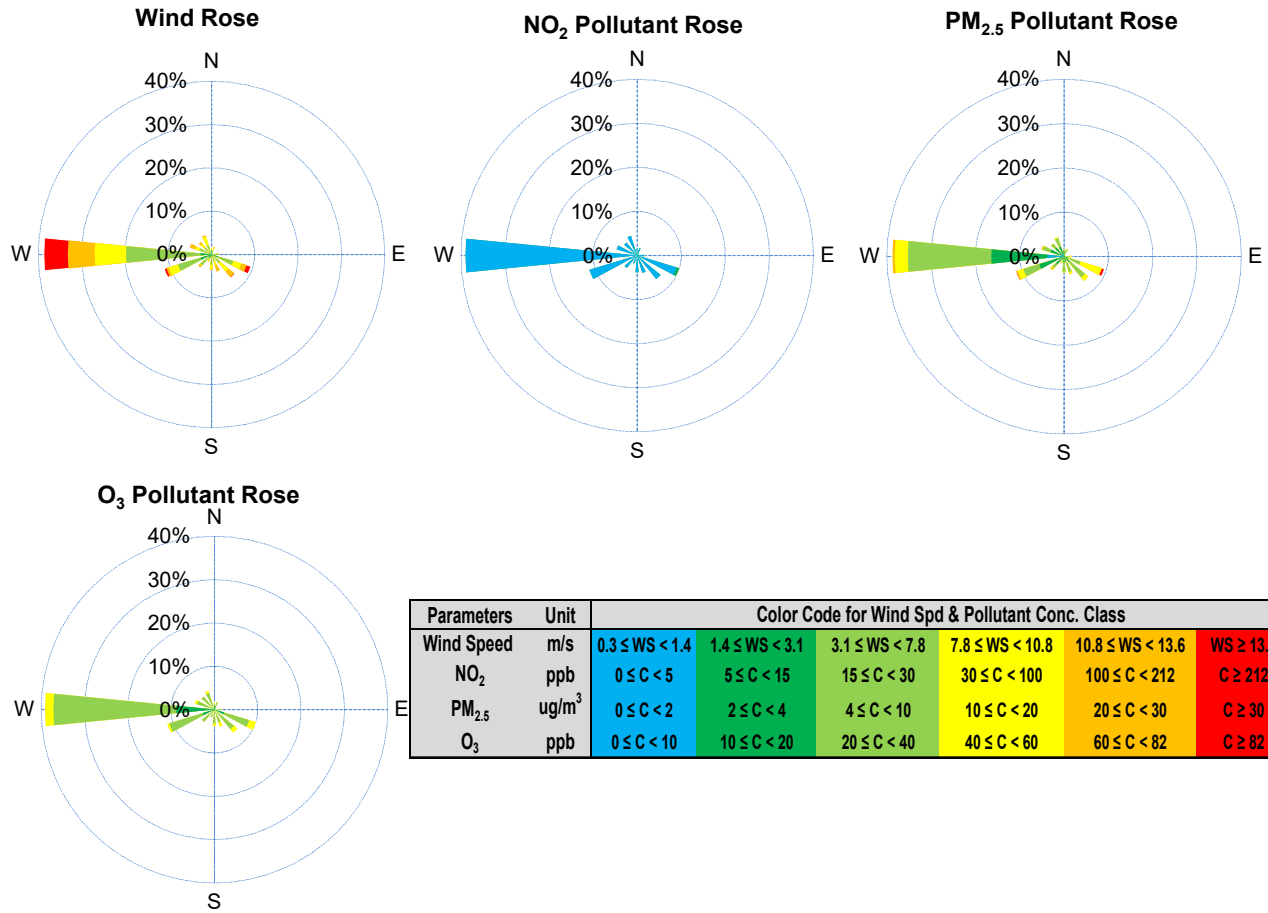
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

*All compliance parameters were above 90% operational.

*There is 4 hours of data for NO, NO_x, NO₂ and O₃ flagged as "analyzer failure" on Sept 24 due to analyzer issues.

SESAA Esterhazy Station - September 2021 Summary Report



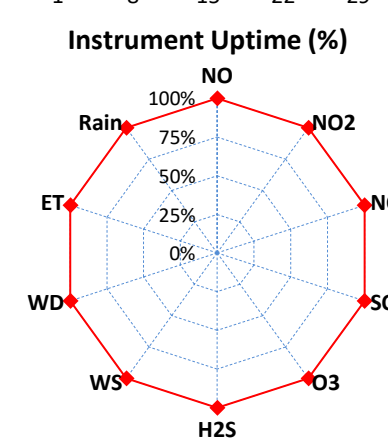
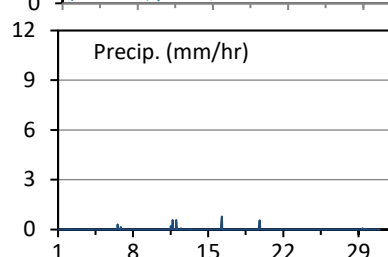
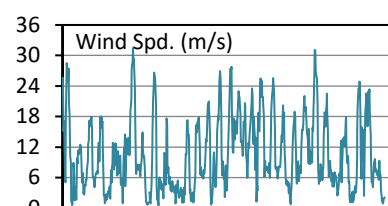
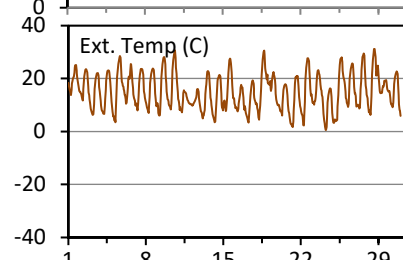
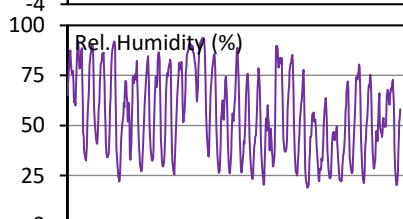
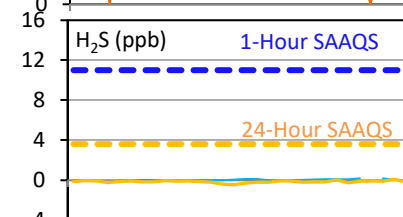
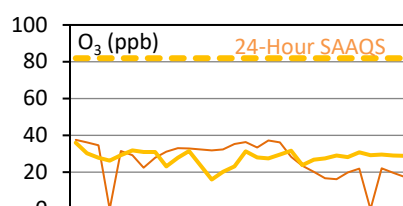
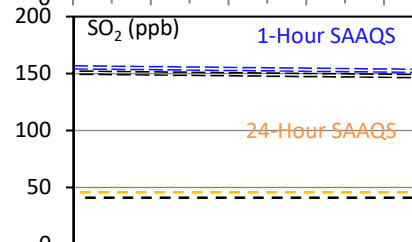
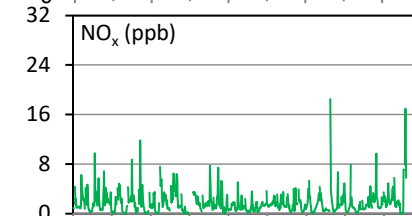
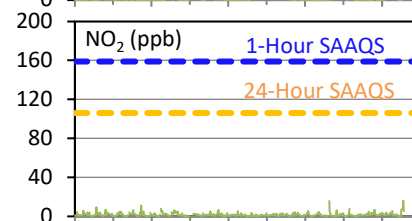
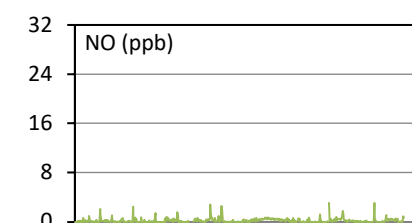
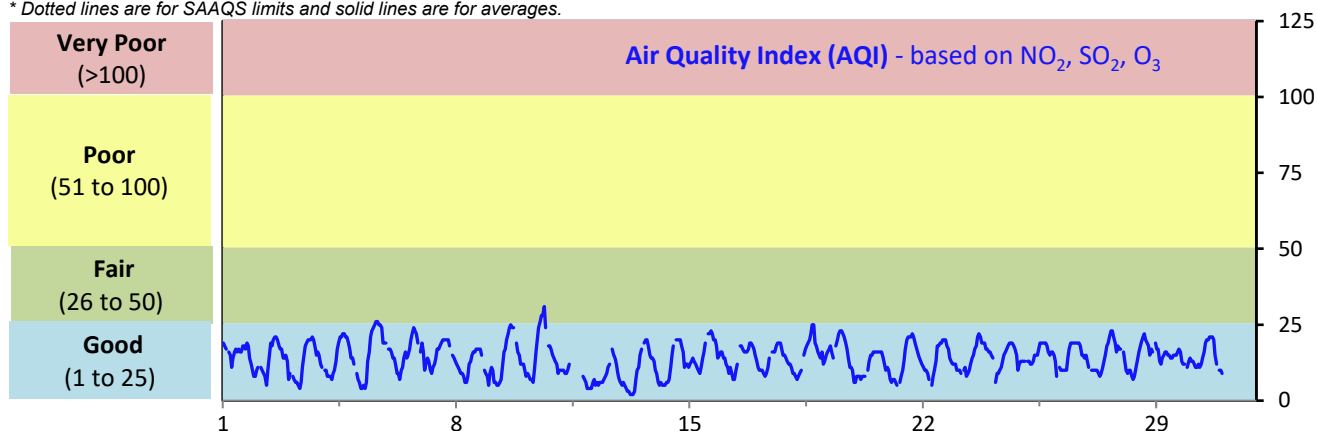
SESAA Glen Ewen Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.2	100.0%	0.5	Sep-18	-	-	3.1	Sep-24 04:00	-	-
NO ₂	ppb	1.5	100.0%	2.5	Sep-10	106	0	16.0	Sep-30 22:00	159	0
NO _x	ppb	1.7	100.0%	2.8	Sep-10	-	-	18.5	Sep-24 04:00	-	-
SO ₂	ppb	0.4	100.0%	1.7	Sep-25	48	0	10.6	Sep-25 07:00	172	0
O ₃	ppb	28	100.0%	32	Sep-5	-	-	57	Sep-10 15:00	82	0
H ₂ S	ppb	< 0.1	100.0%	< 0.1	Sep-29	3.6	0	1.0	Sep-30 09:00	11	0

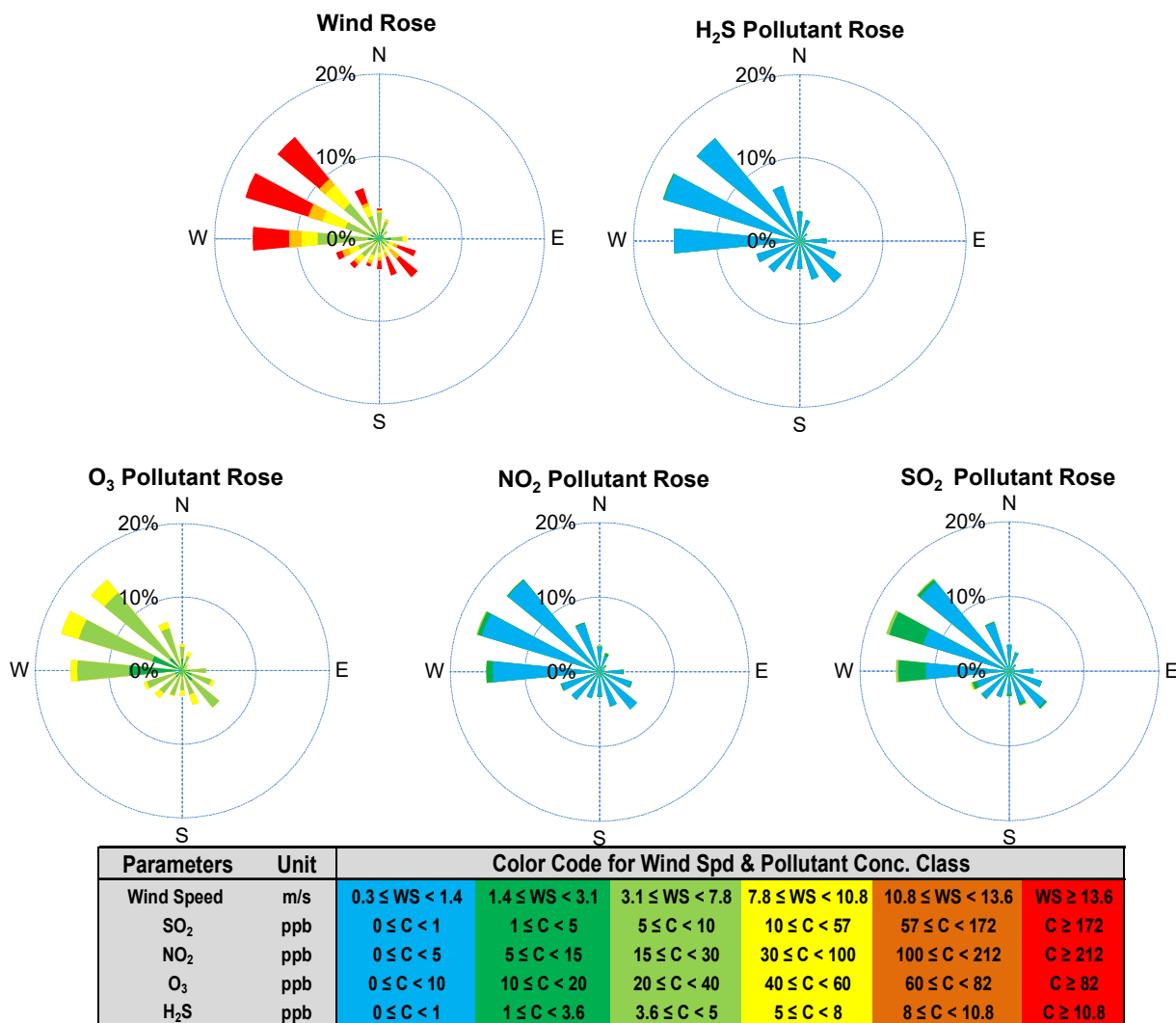
SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

* Dotted lines are for SAAQS limits and solid lines are for averages.



SESAA Glen Ewen Station - September 2021 Summary Report



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 greater than 90% operational.

*Routine quarterly calibrations were completed on Sept 11.

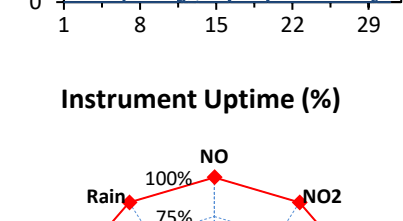
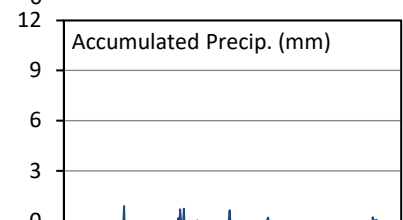
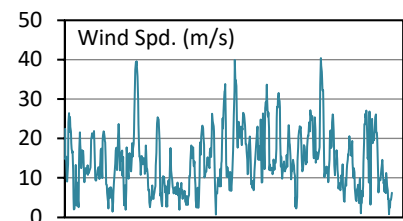
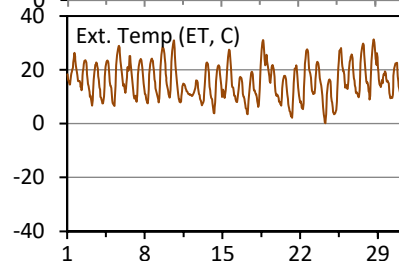
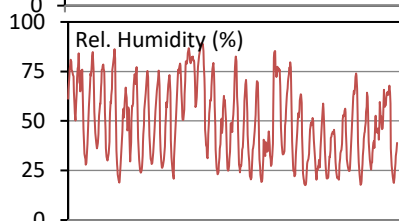
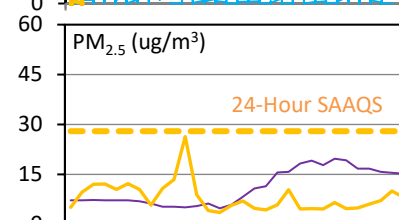
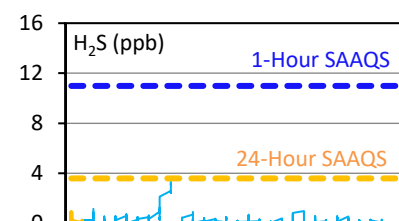
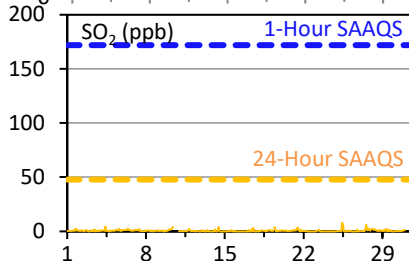
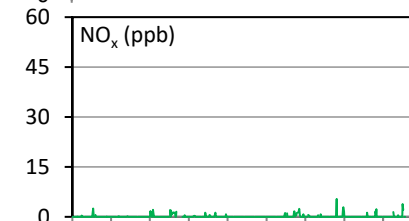
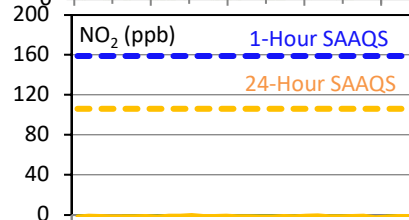
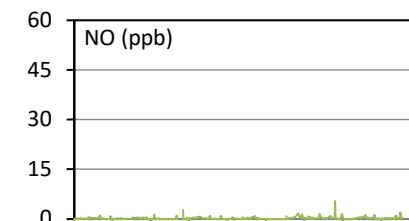
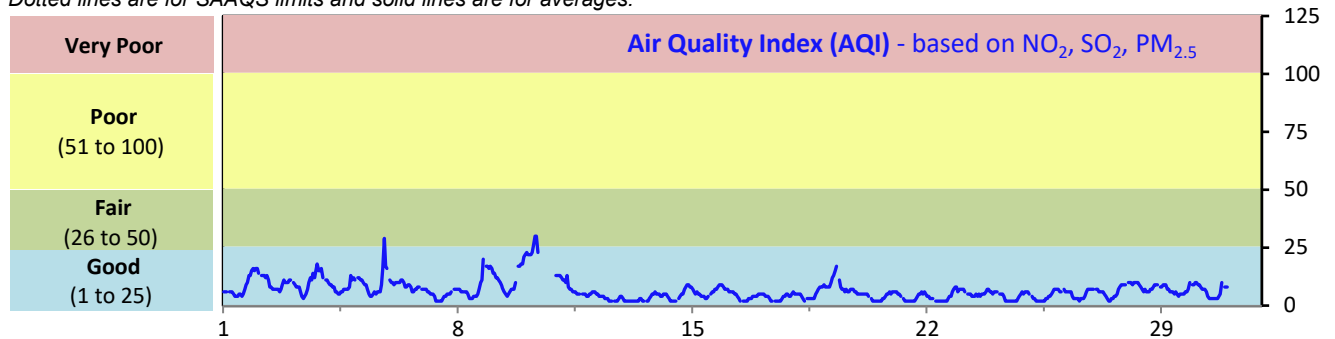
SESAA Oxbow Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.2	100.0%	0.7	Sep-21	-	-	5.4	Sep-24 19:00	-	-
NO ₂	ppb	0.1	100.0%	< 0.1	Sep-21	106	0	2.2	Sep-02 21:00	159	0
NO _x	ppb	0.1	100.0%	< 0.1	Sep-21	-	-	5.4	Sep-24 19:00	-	-
SO ₂	ppb	0.6	100.0%	1.3	Sep-27	48	0	8.0	Sep-25 10:00	172	0
H ₂ S	ppb	0.2	100.0%	0.9	Sep-9	3.6	0	3.7	Sep-10 07:00	11	0
PM _{2.5}	ug/m3	8	100.0%	26	Sep-10	28	0	40	Sep-10 07:00	-	-

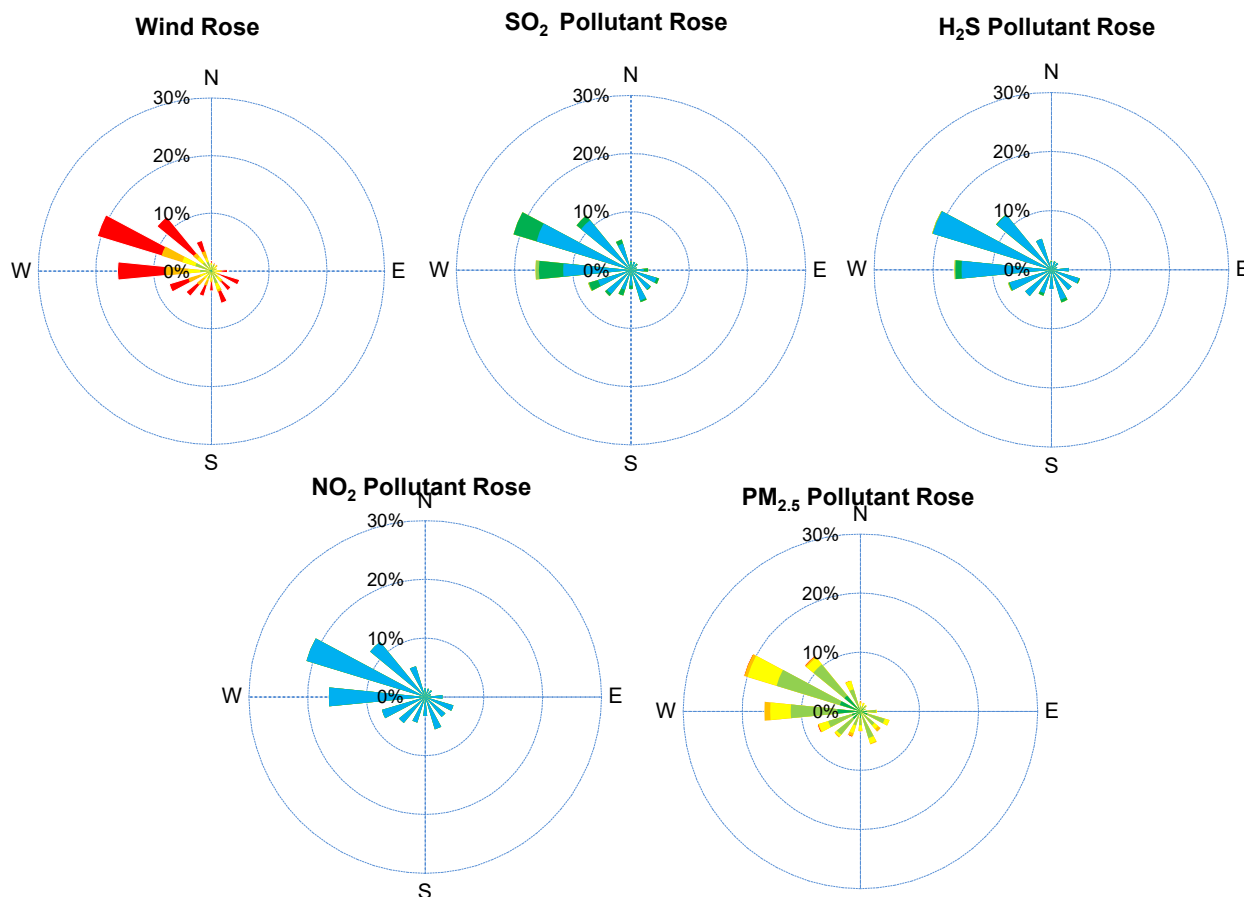
SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

* Dotted lines are for SAAQS limits and solid lines are for averages.



SESAA Oxbow Station - September 2021 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.

*All compliance parameters had greater than 90% operational uptime.

*Routine quarterly calibrations were completed on Sept 10.

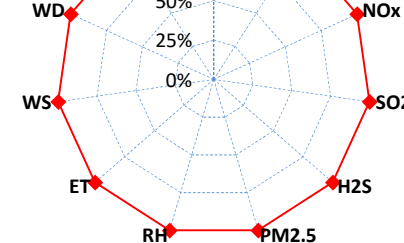
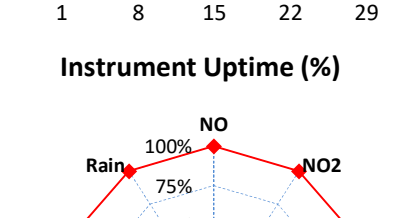
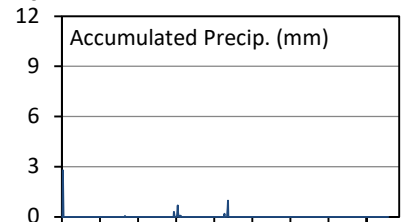
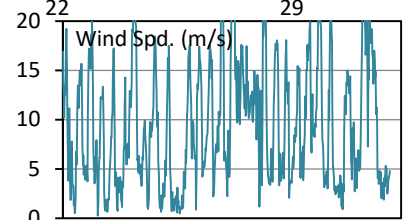
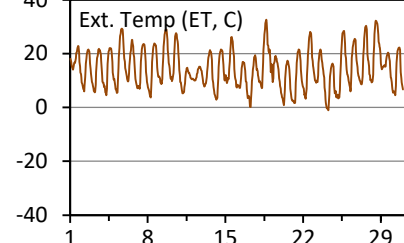
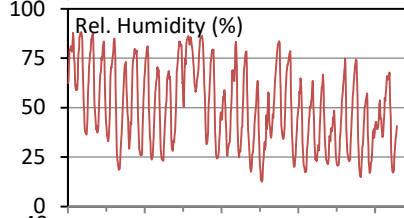
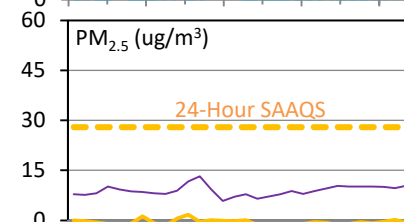
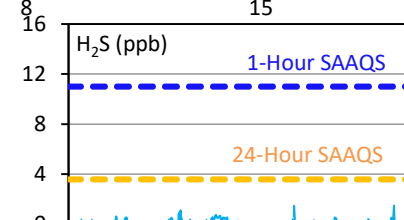
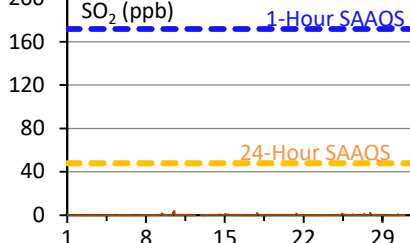
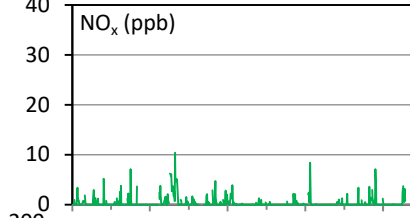
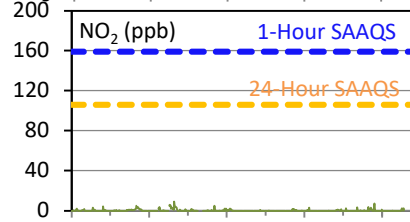
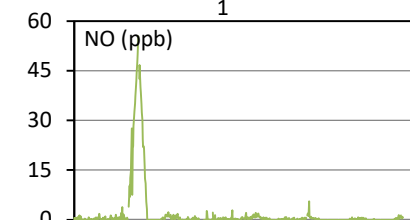
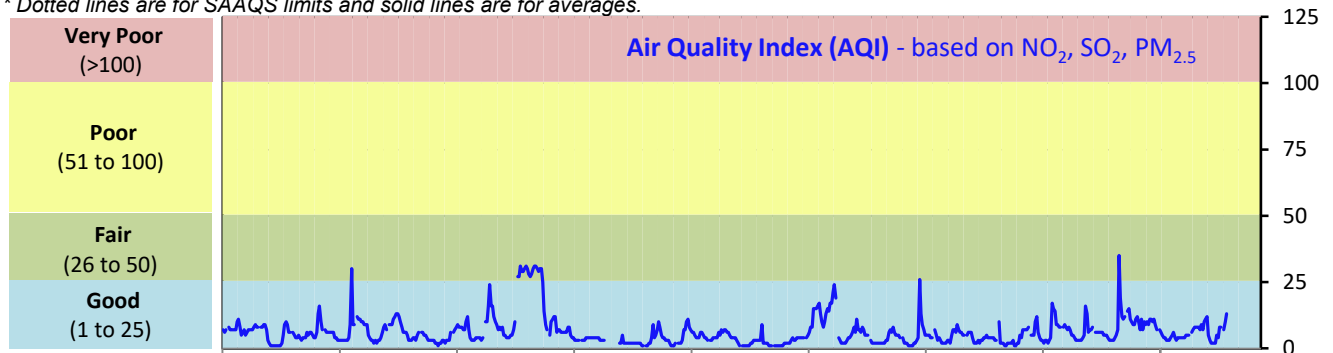
SESAA Stoughton Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	1.8	100.0%	29.7	Sep-6	-	-	55.4	Sep-06 20:00	-	-
NO ₂	ppb	0.3	100.0%	1.2	Sep-6	106	0	9.1	Sep-10 06:00	159	0
NO _x	ppb	0.4	100.0%	31.0	Sep-06	-	-	10.4	Sep-10 06:00	-	-
SO ₂	ppb	0.1	100.0%	0.4	Sep-25	48	0	4.0	Sep-10 11:00	172	0
H ₂ S	ppb	0.1	100.0%	0.5	Sep-14	3.6	0	1.5	Sep-21 08:00	11	0
PM _{2.5}	ug/m3	8	100.0%	27	Sep-10	28	0	53	Sep-12 19:00	-	-

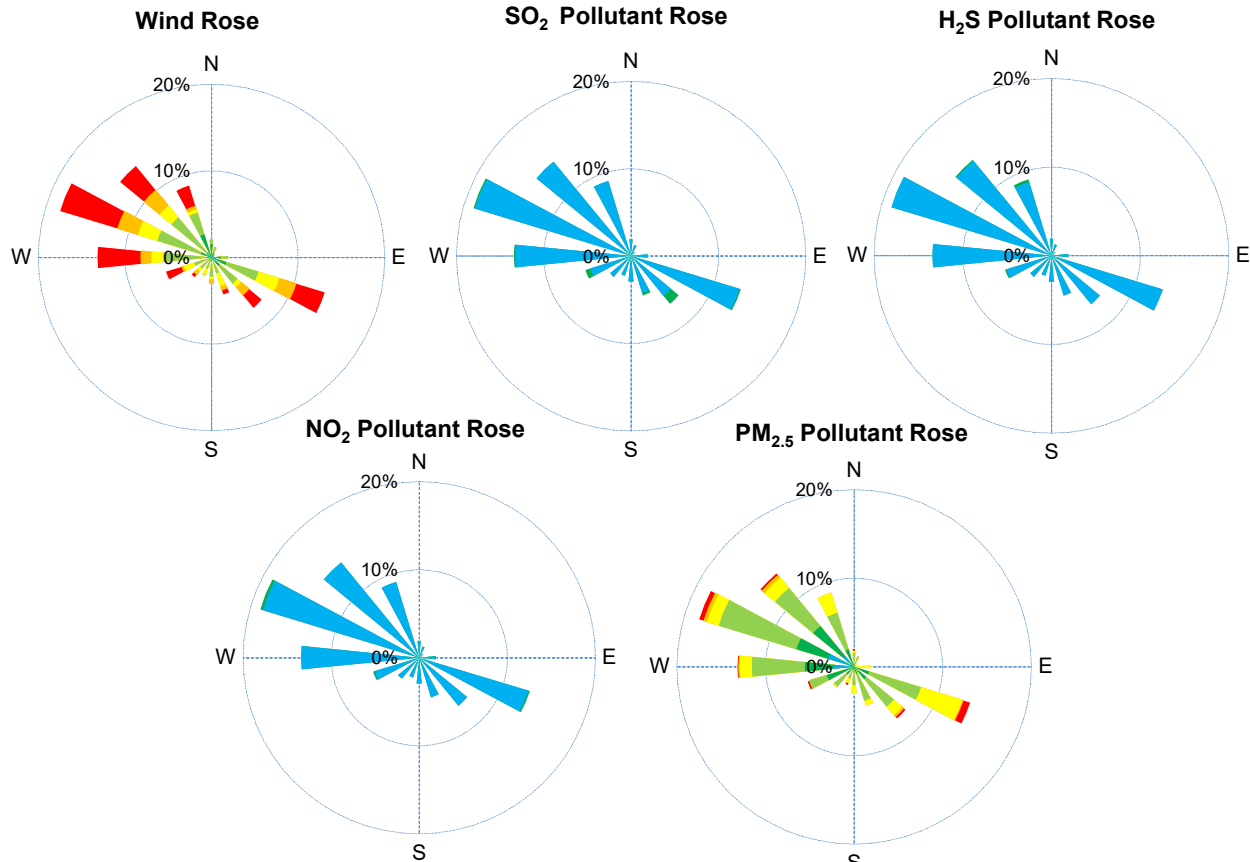
SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

* Dotted lines are for SAAQS limits and solid lines are for averages.



SESAA Stoughton Station - September 2021 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.

*All compliance parameters are greater than 90% operational.

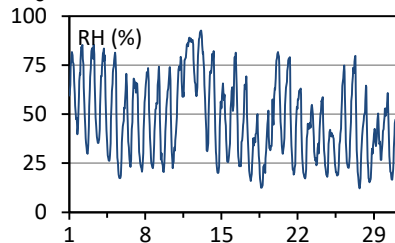
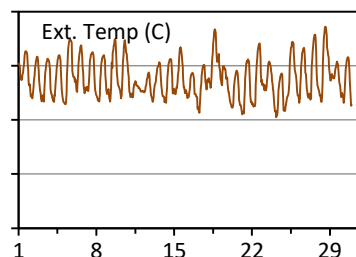
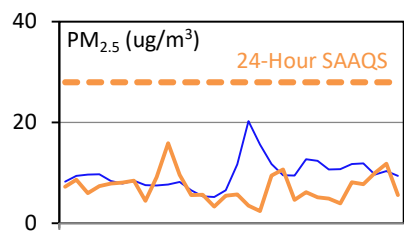
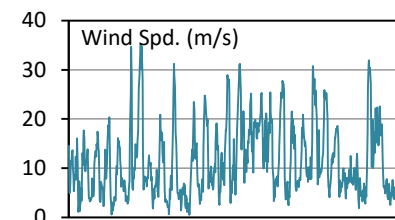
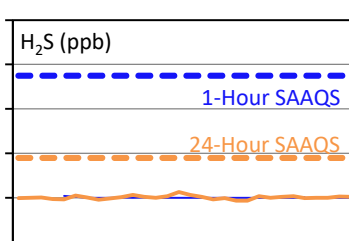
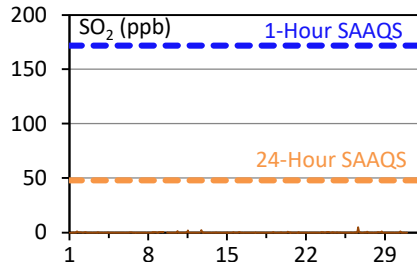
SESAA Torquay Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.1	100.0%	< 0.1	Sep-26	48	0	5.0	Sep-26 15:00	172	0
H ₂ S	ppb	0.1	100.0%	0.4	Sep-10	3.6	0	1.2	Sep-10 00:00	11	0
PM _{2.5}	ug/m3	6	100.0%	18	Sep-18	28	0	74	Sep-27 20:00	-	-

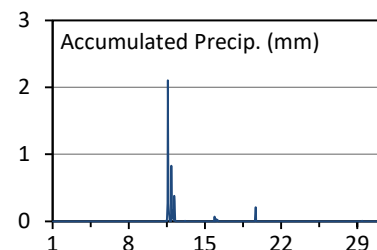
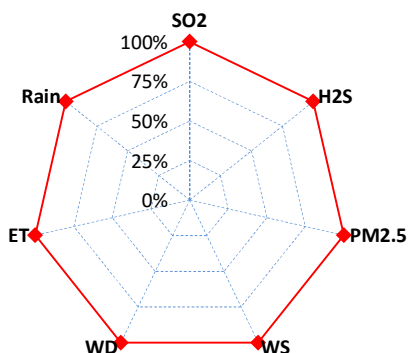
SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

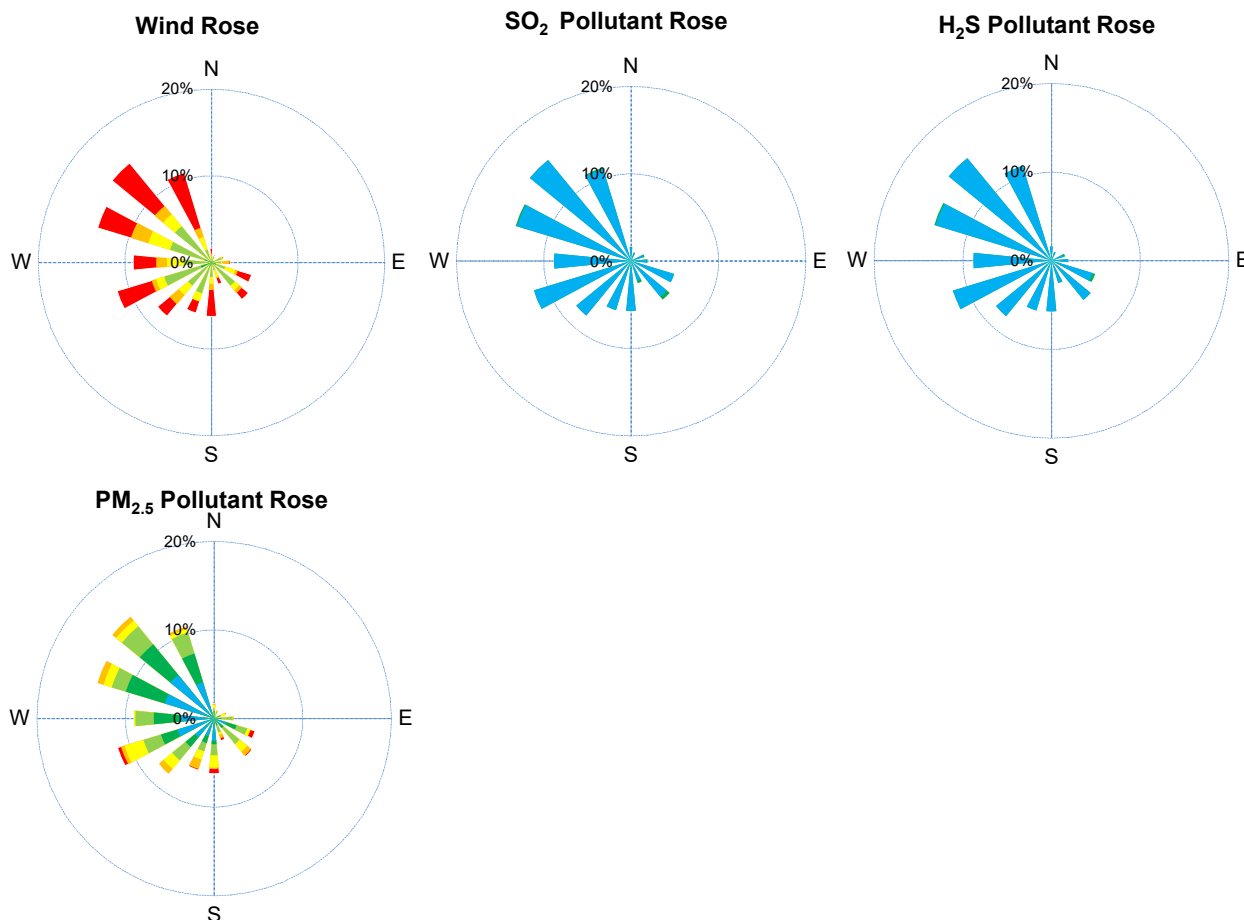
* Dotted lines are for SAAQS limits and solid lines are for averages.



Instrument Uptime (%)



SESAA Torquay Station - September 2021 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
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
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.

*Routine quarterly calibrations were completed on Sept 9.

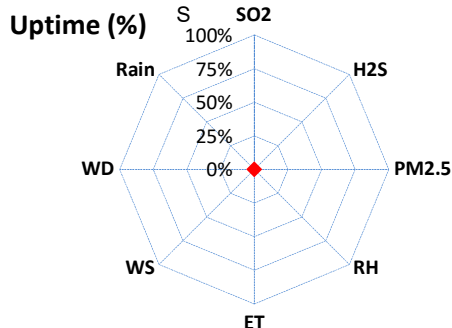
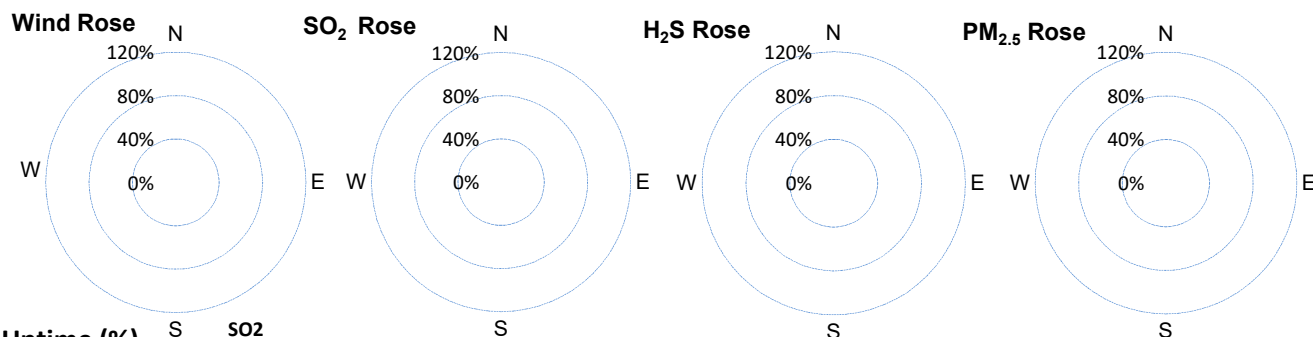
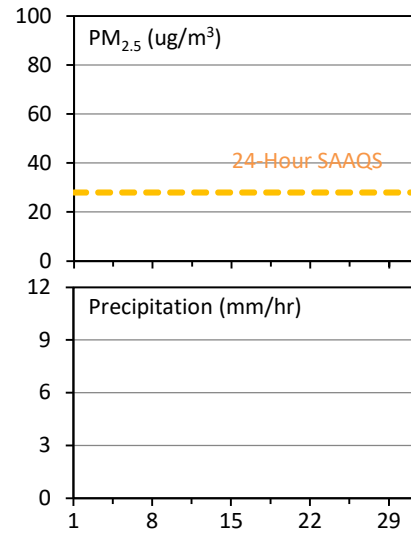
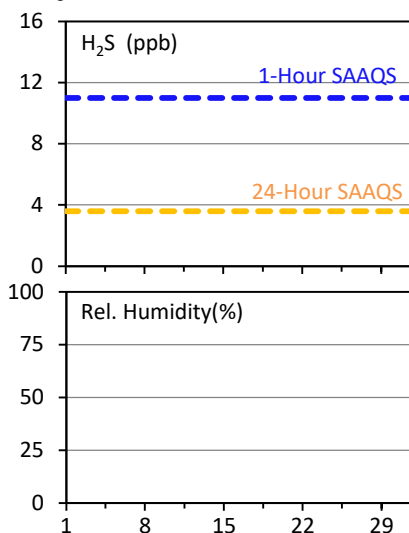
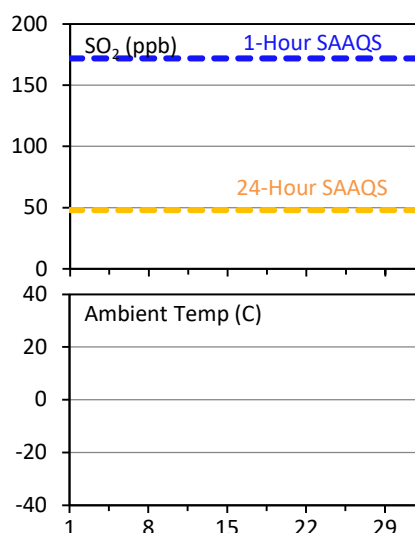
SESAA Wauchope Station - September 2021 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS	Exceed	Maximum		SAAQS	Exceed
				Conc.	Time	Objective	Days	Conc.	Time	Objective	Hours
SO ₂	ppb	#VALUE!	0.0%	< 0.1	#N/A	48	0	< 0.1	-	172	0
H ₂ S	ppb	#VALUE!	0.0%	< 0.1	#N/A	3.6	0	< 0.1	-	11	0
PM _{2.5}	ug/m3	#VALUE!	0.0%	< 1	#N/A	28	0	< 1	-	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

* Air Quality Standard refers to Saskatchewan Ambient Air Quality Standards (SAAQS).

* Dotted lines are for SAAQS limits and solid lines are for averages.



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

*Wauchope was not operational in September.

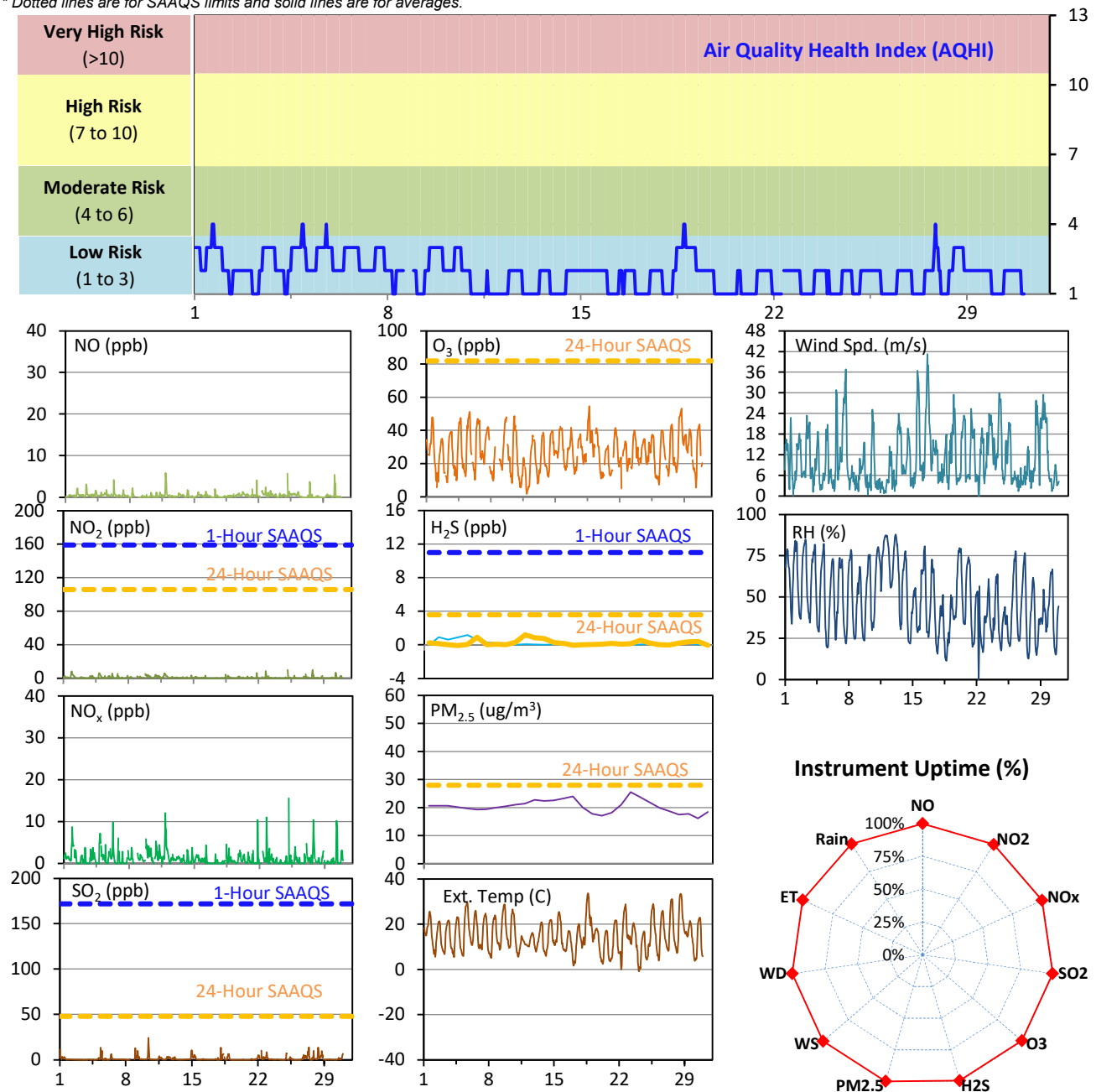
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Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.4	99.6%	0.9	Sep-11	-	-	5.9	Sep-11 21:00	-	-
NO ₂	ppb	0.8	99.6%	1.9	Sep-1	106	0	9.9	Sep-25 03:00	159	0
NO _x	ppb	1.2	99.6%	2.8	Sep-11	-	-	15.6	Sep-25 03:00	-	-
SO ₂	ppb	1.2	99.6%	3.6	Sep-28	48	0	24.3	Sep-10 09:00	172	0
O ₃	ppb	27	99.6%	34	Sep-18	-	-	55	Sep-18 16:00	82	0
H ₂ S	ppb	0.3	99.6%	1.2	Sep-10	3.6	0	4.7	Sep-12 01:00	11	0
PM _{2.5}	ug/m3	9	100.0%	21	Sep-1	28	0	52	Sep-04 21:00	-	-

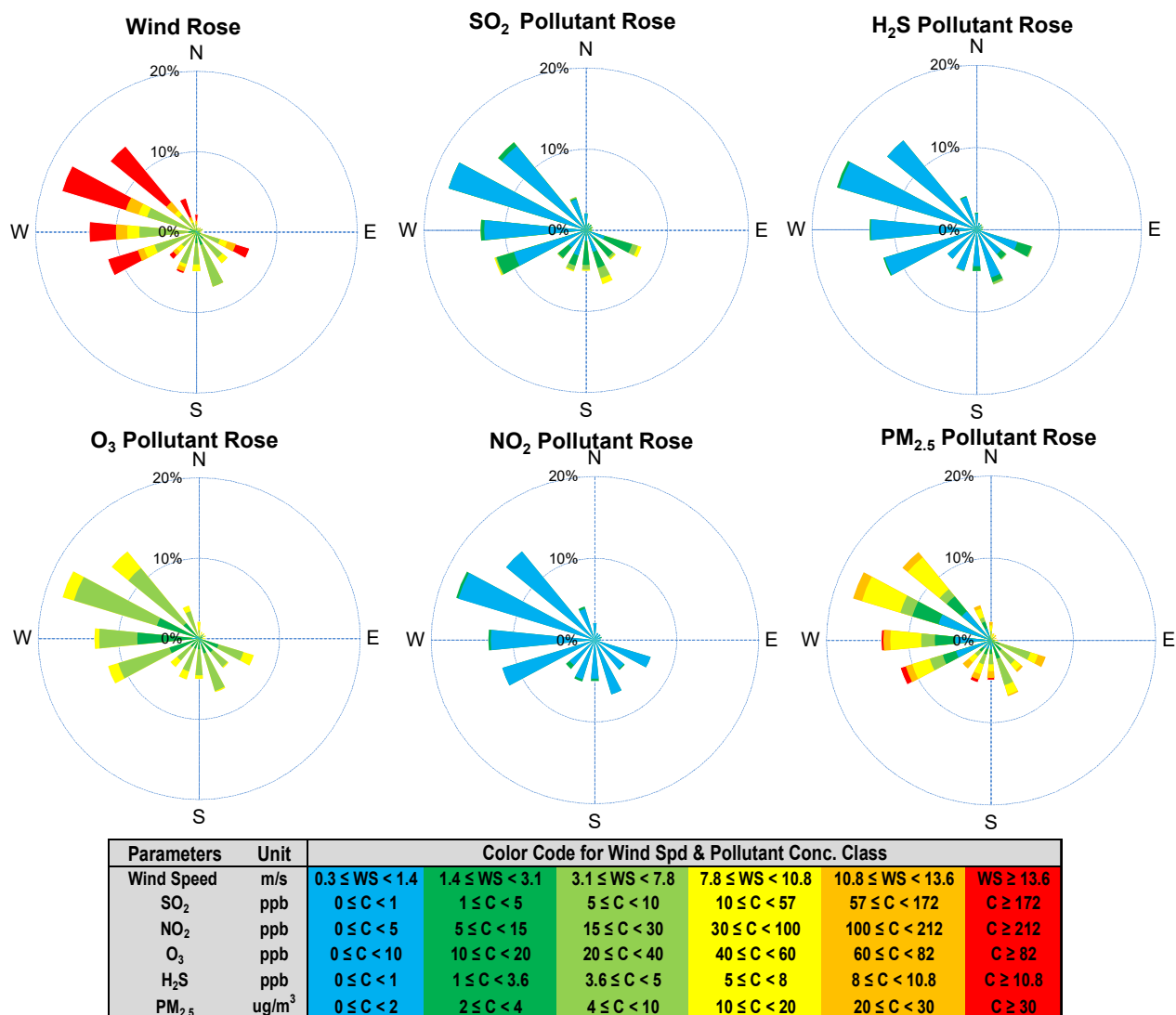
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Monthly Update

*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.

*3 hours of data for all parameters is flagged as "power failure" throughout the month due to intermittent power disruptions.