

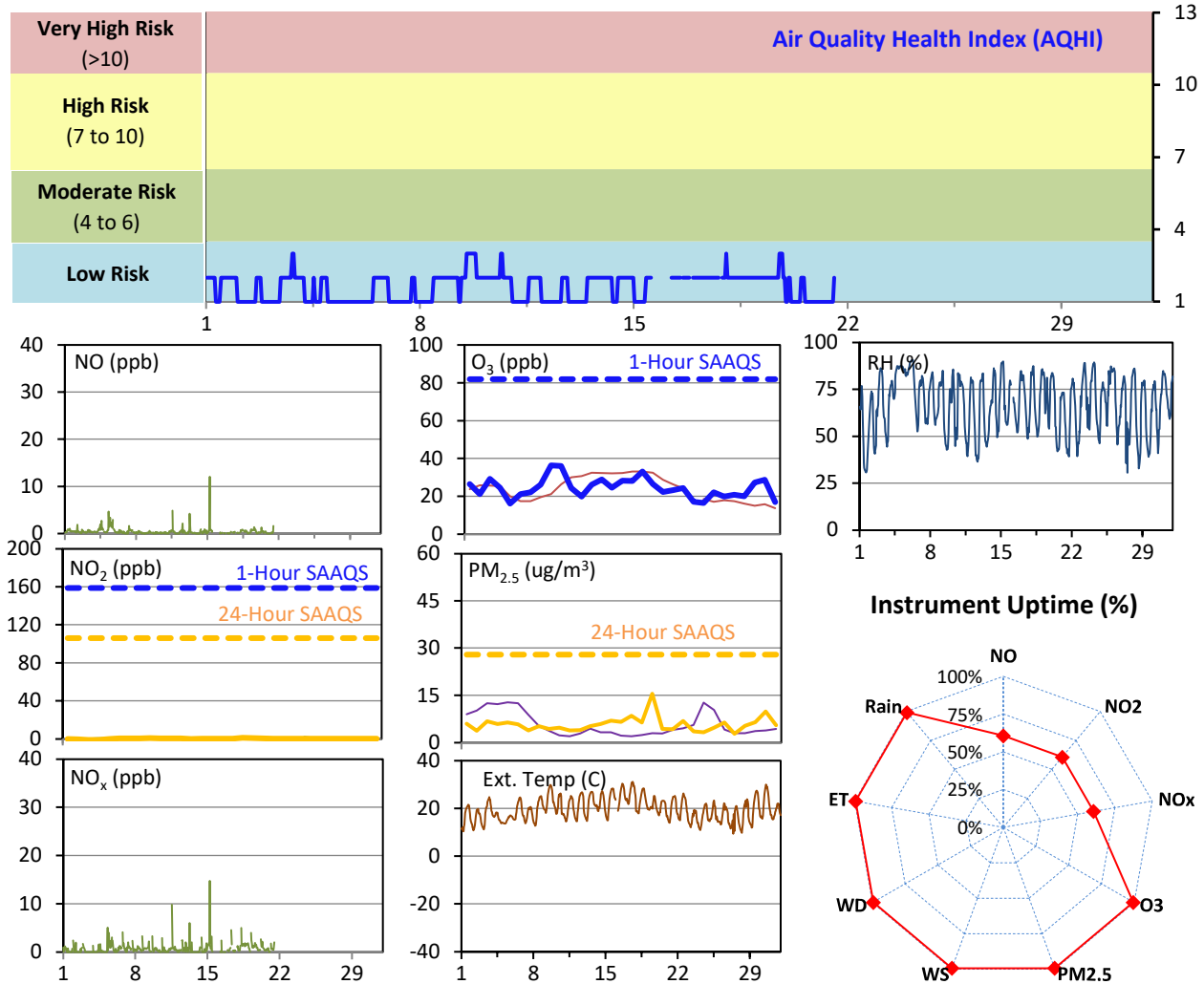
SESAA Esterhazy Station - July 2022 Summary Report

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	60.7%	1.3	Jul-5	-	-	12.1	Jul-15 05:00	-	-
NO ₂	ppb	0.4	60.7%	1.0	Jul-18	106	0	5.0	Jul-11 13:00	159	0
NO _x	ppb	0.7	60.7%	1.4	Jul-18	-	-	14.7	Jul-15 05:00	-	-
O ₃	ppb	25	99.3%	36	Jul-9	-	-	50	Jul-09 18:00	82	0
PM _{2.5}	ug/m3	6	99.3%	16	Jul-19	28	0	38	Jul-03 23:00	-	-

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

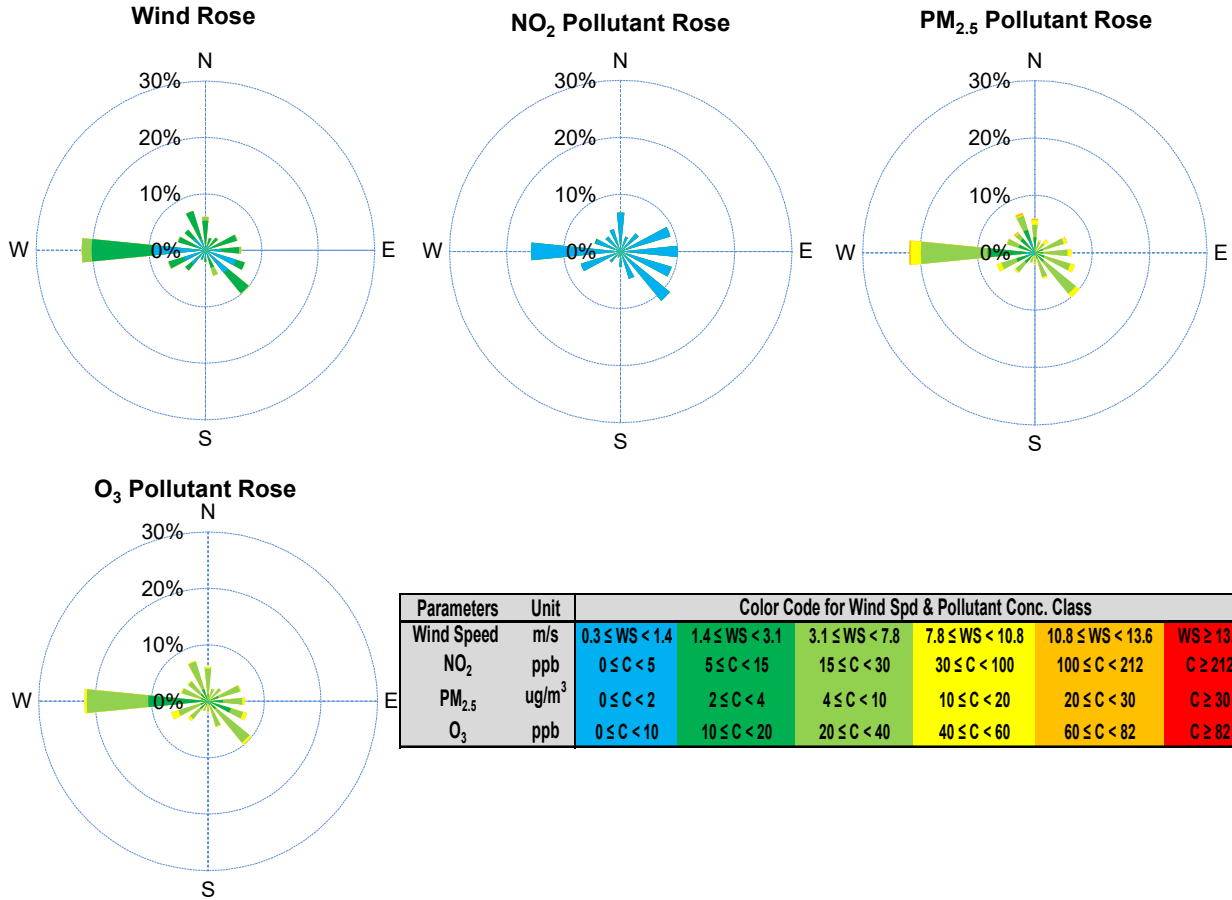
*All data has been slope, intercept, and baseline corrected. Data may change after validation process.

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

*All compliance parameters were greater than 90% operational with the exception of NO, NO₂ and NO_x.

An issue with overheating caused intermittent power interruptions for the month.

SESAA Esterhazy Station - July 2022 Summary Report



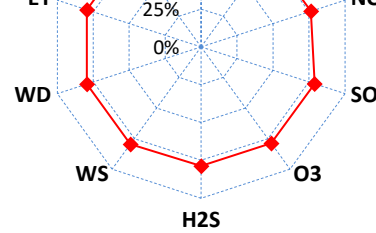
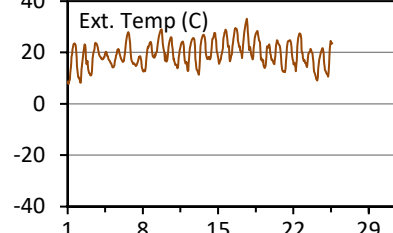
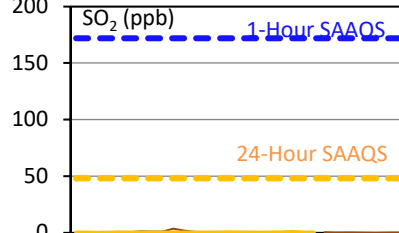
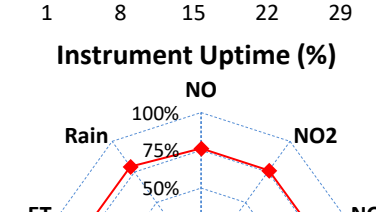
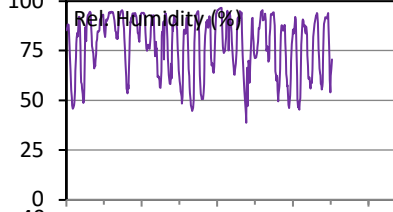
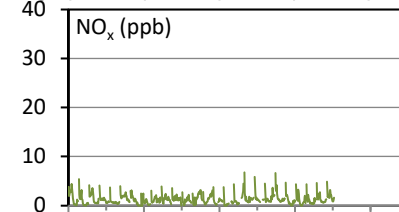
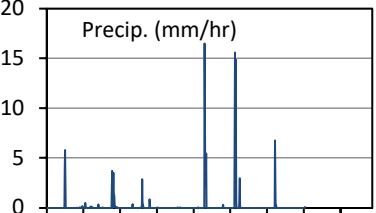
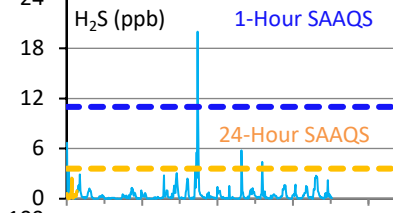
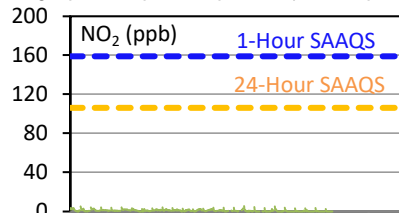
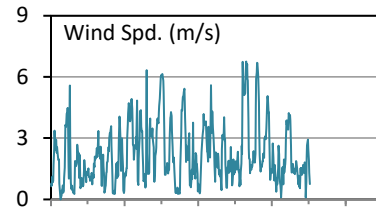
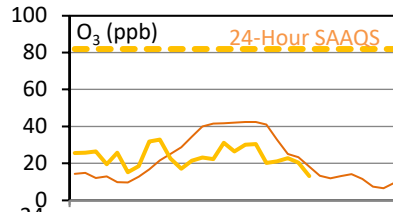
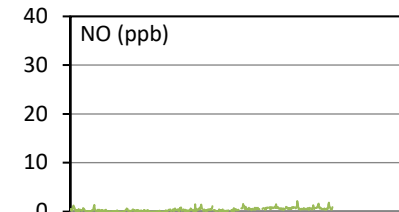
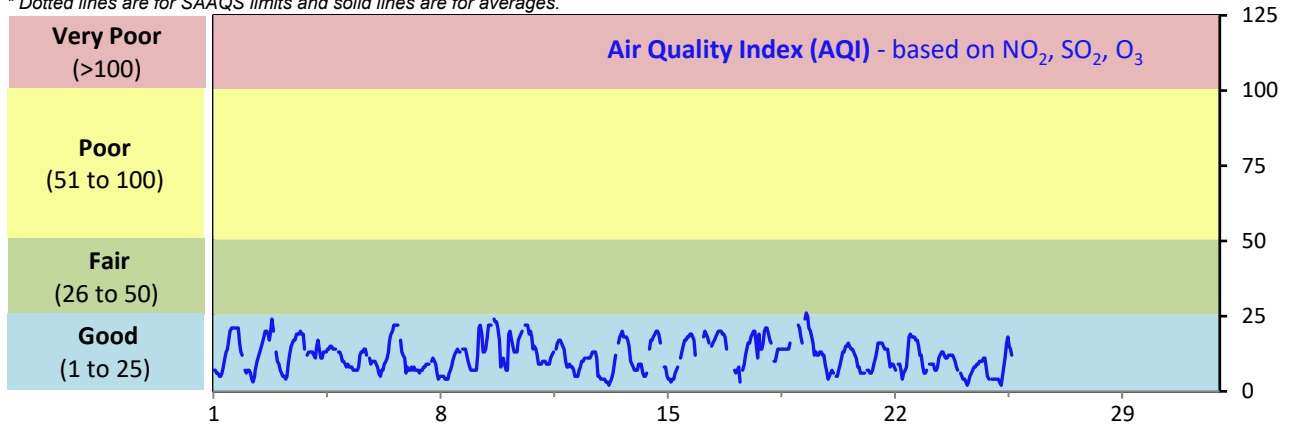
SESAA Glen Ewen Station - July 2022 Summary Report

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	76.4%	0.7	Jul-24	-	-	2.1	Jul-22 07:00	-	-
NO ₂	ppb	0.8	76.4%	1.6	Jul-6	106	0	5.5	Jul-17 07:00	159	0
NO _x	ppb	1.3	76.4%	1.8	Jul-1	-	-	6.8	Jul-17 07:00	-	-
SO ₂	ppb	0.1	78.7%	0.5	Jul-1	48	0	4.4	Jul-22 09:00	172	0
O ₃	ppb	24	78.7%	33	Jul-10	-	-	51	Jul-19 06:00	82	0
H ₂ S	ppb	0.5	78.7%	2.4	Jul-13	3.6	0	20.0	Jul-13 03:00	11	2

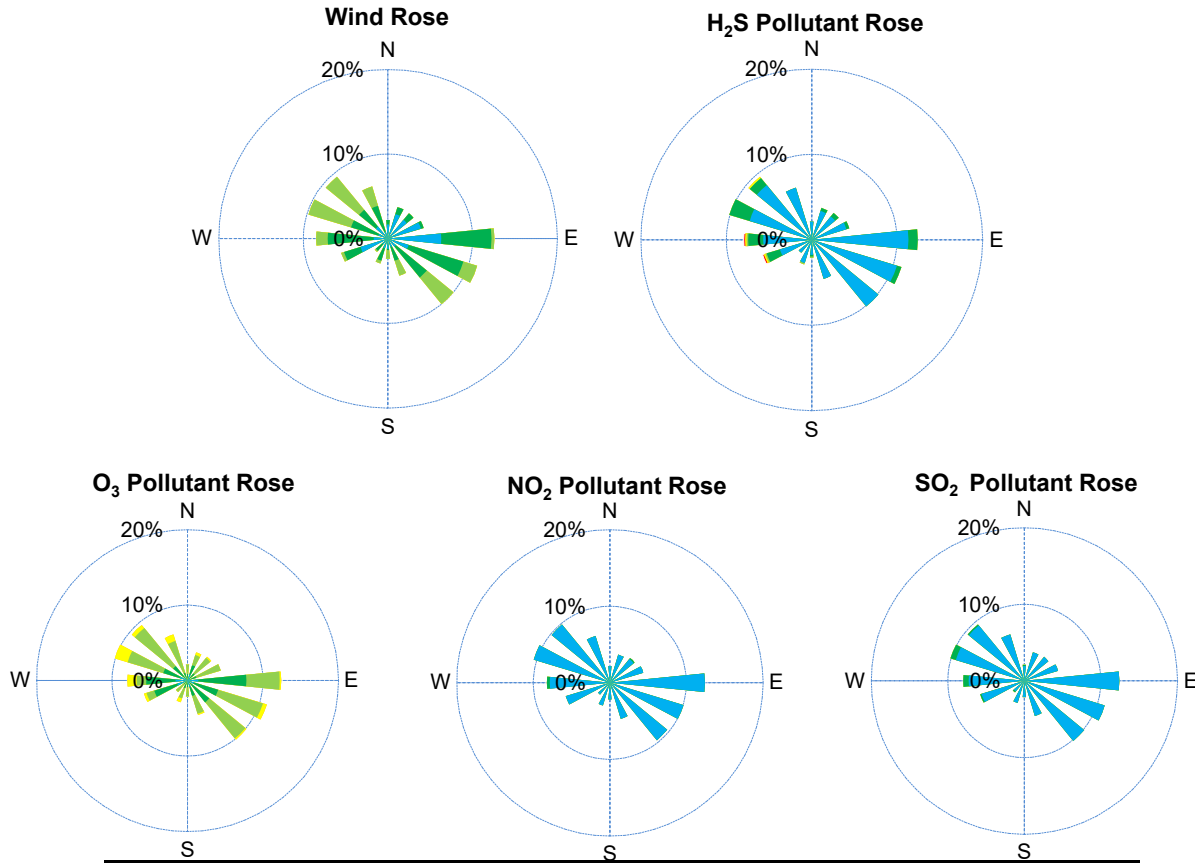
SAAQS: Saskatchewan Ambient Air Quality Standards

* 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 - July 2022 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	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$	
H ₂ S	ppb	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$	

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 less than 90% operational due to power issues on site related to fuses.

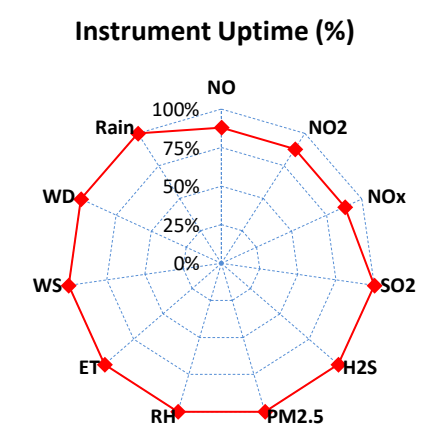
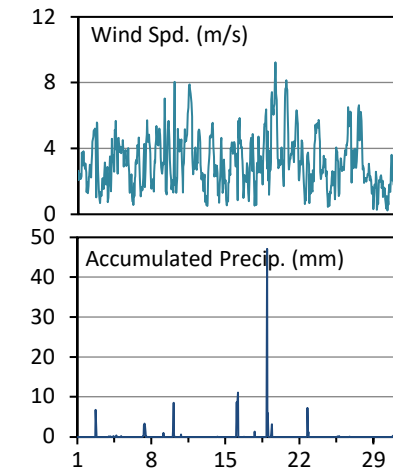
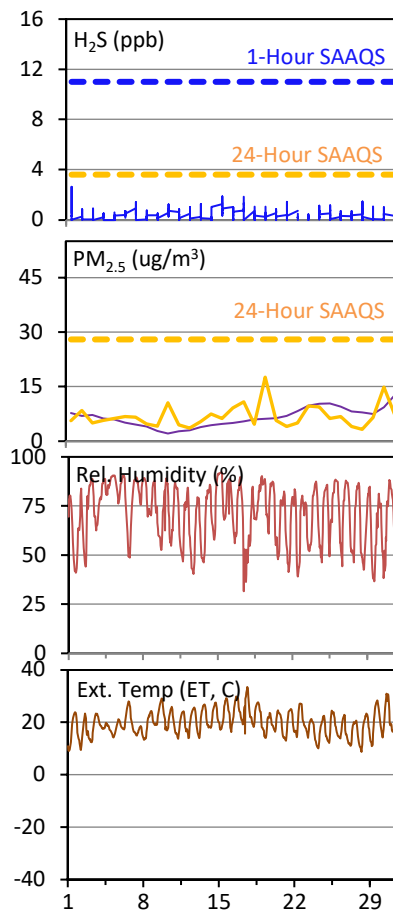
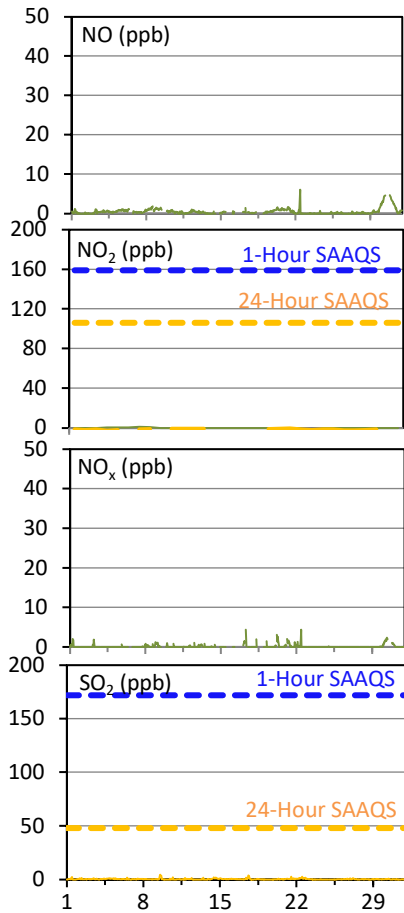
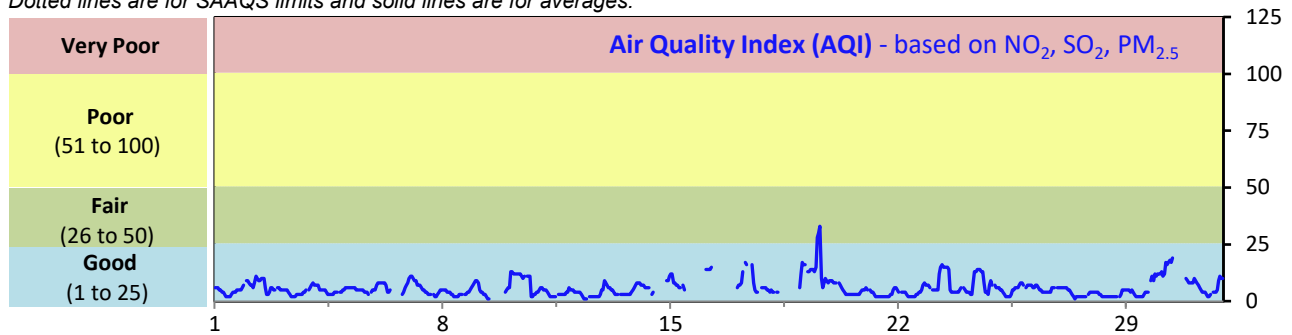
SESAA Oxbow Station - July 2022 Summary Report

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	0.5	87.9%	1.4	Jul-31	-	-	6.1	Jul-22 10:00	-	-
NO ₂	ppb	< 0.1	87.9%	< 0.1	Jul-31	106	0	3.0	Jul-17 07:00	159	0
NO _x	ppb	0.2	87.9%	< 0.1	Jul-31	-	-	4.4	Jul-22 10:00	-	-
SO ₂	ppb	0.3	100.0%	1.0	Jul-22	48	0	4.4	Jul-09 13:00	172	0
H ₂ S	ppb	0.3	100.0%	1.0	Jul-15	3.6	0	2.6	Jul-01 05:00	11	0
PM _{2.5}	ug/m ³	7	100.0%	18	Jul-19	28	0	47	Jul-19 14:00	-	-

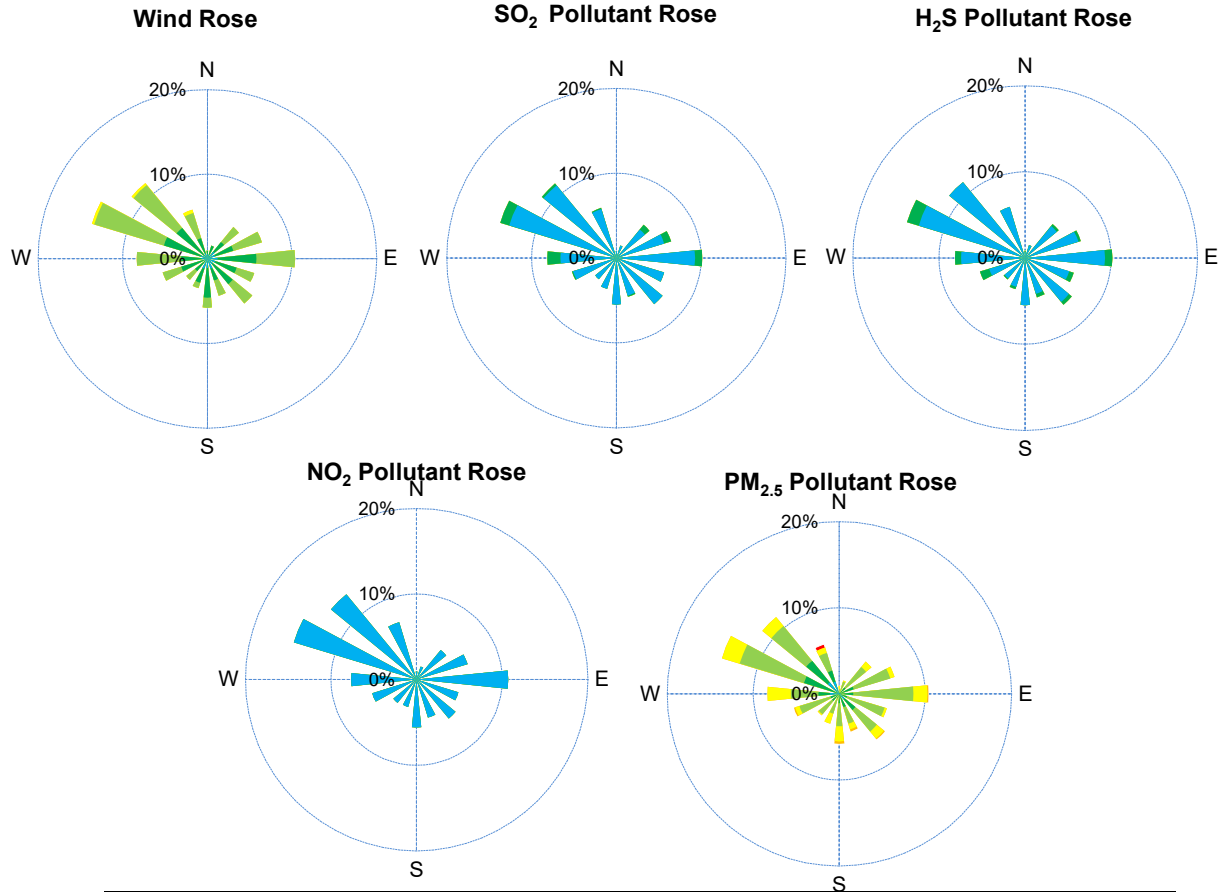
SAAQS: Saskatchewan Ambient Air Quality Standards

* 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 - July 2022 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
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 had greater than 90% operational uptime with the exception of NO, NO₂ and NO_x.

An issue with overheating caused intermittent power interruptions for the month.

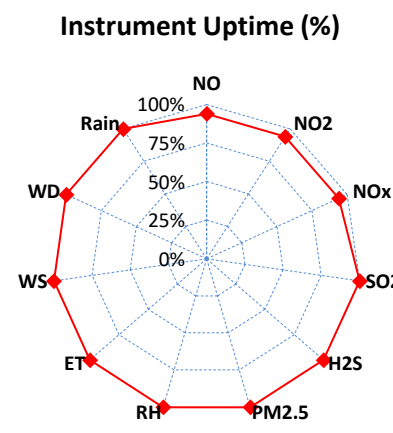
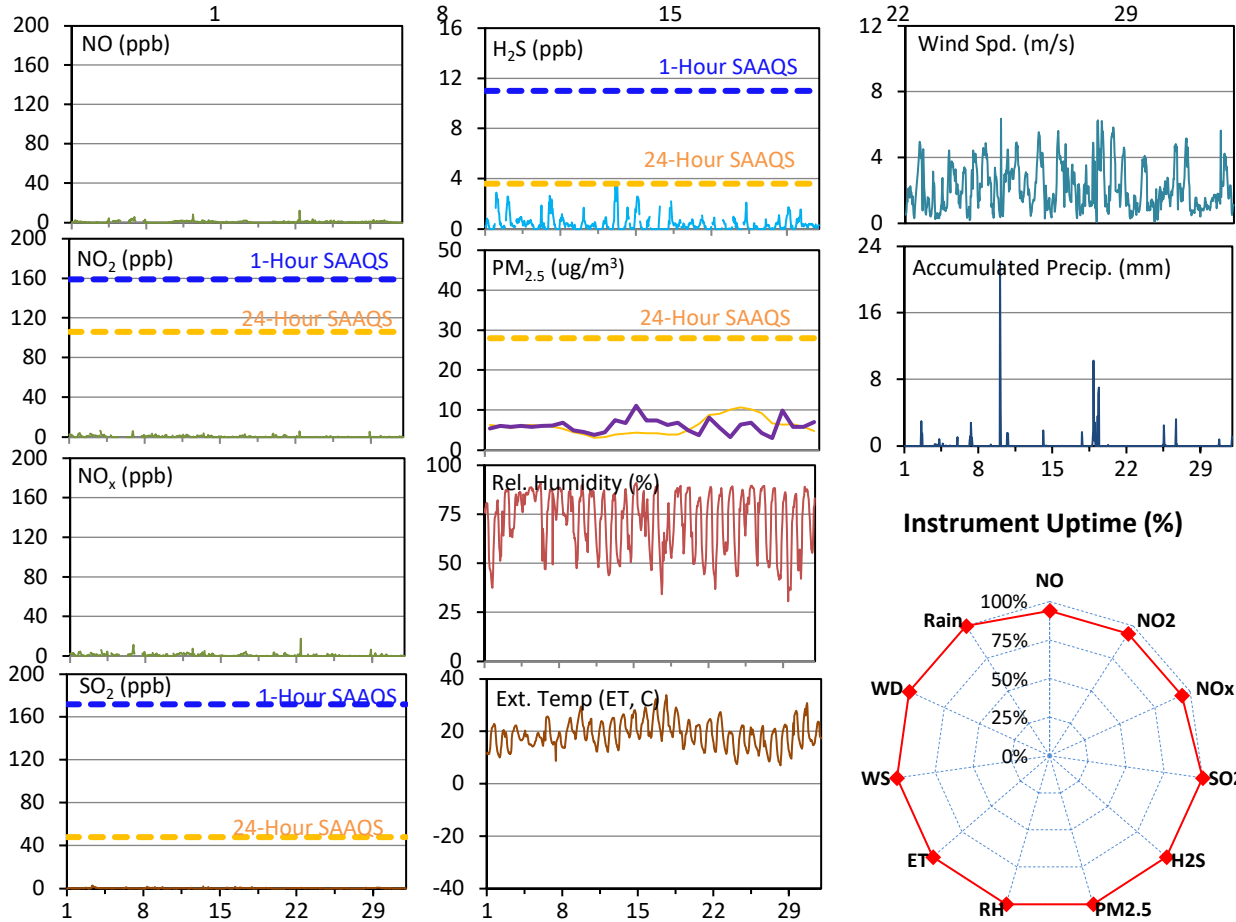
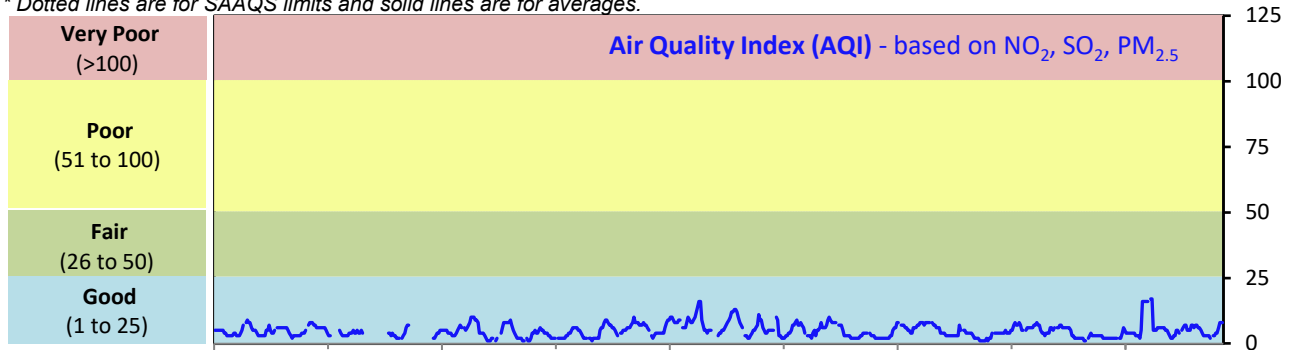
SESAA Stoughton Station - July 2022 Summary Report

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	0.6	94.0%	1.5	Jul-11	-	-	12.4	Jul-22 09:00	-	-
NO ₂	ppb	0.4	94.0%	1.6	Jul-3	106	0	6.2	Jul-03 21:00	159	0
NO _x	ppb	0.8	94.0%	2.4	Jul-11	-	-	17.8	Jul-22 09:00	-	-
SO ₂	ppb	0.2	100.0%	0.8	Jul-3	48	0	3.0	Jul-03 08:00	172	0
H ₂ S	ppb	0.4	100.0%	0.9	Jul-2	3.6	0	3.7	Jul-13 05:00	11	0
PM _{2.5}	ug/m3	6	100.0%	11	Jul-15	28	0	21	Jul-29 18:00	-	-

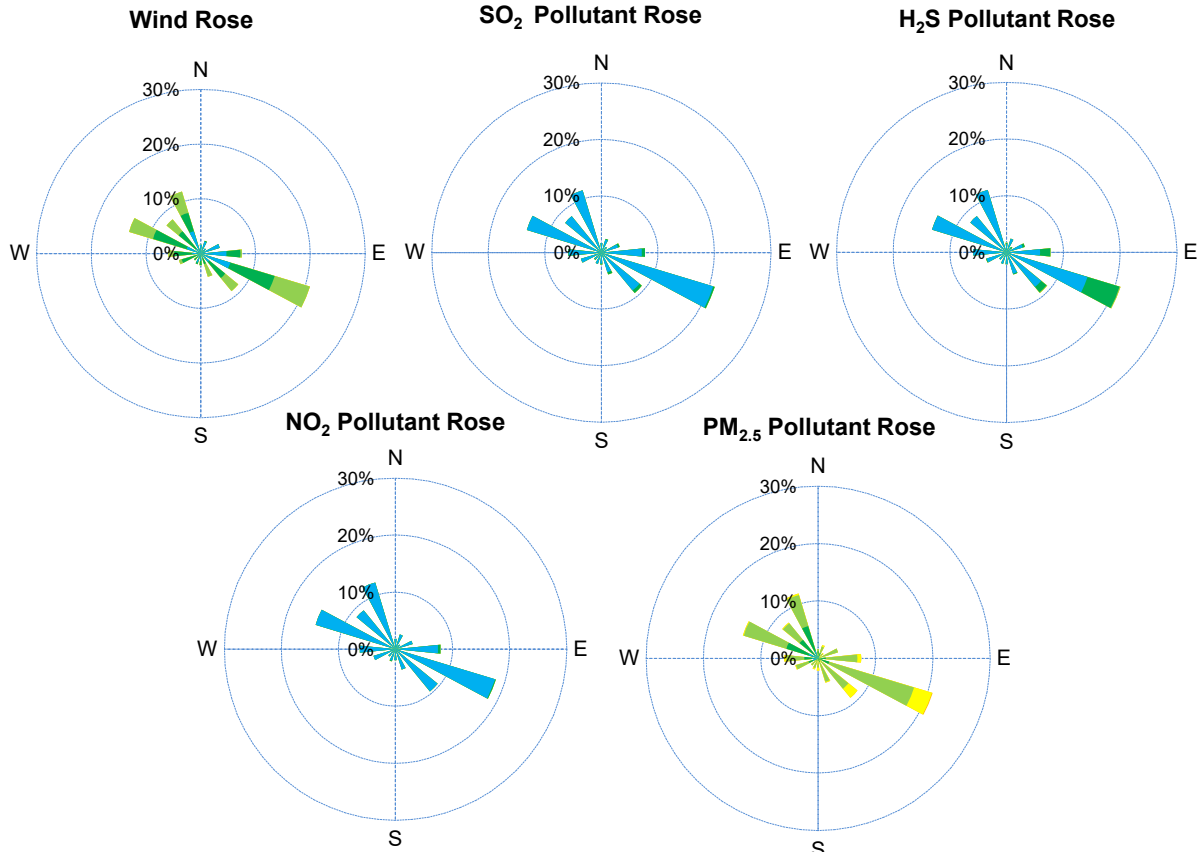
SAAQS: Saskatchewan Ambient Air Quality Standards

* 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 - July 2022 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	
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 had greater than 90% operational uptime.

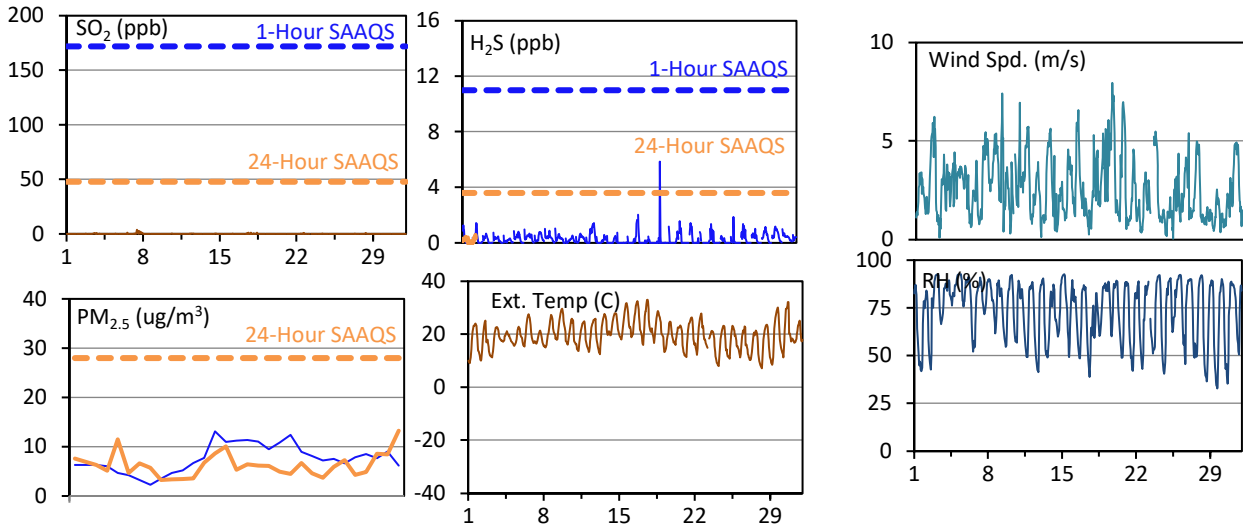
SESAA Torquay Station - July 2022 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Uptime	Maximum		SAAQS	Exceed Days	Maximum		SAAQS	Exceed Hours
				Conc.	Time	Standard		Conc.	Time	Standard	
SO ₂	ppb	0.1	99.6%	0.8	Jul-7	48	0	3.8	Jul-07 10:00	172	0
H ₂ S	ppb	0.3	99.6%	0.6	Jul-30	3.6	0	5.9	Jul-19 08:00	11	0
PM _{2.5}	ug/m ³	6	99.6%	13	Jul-31	28	0	51	Jul-31 00:00	-	-

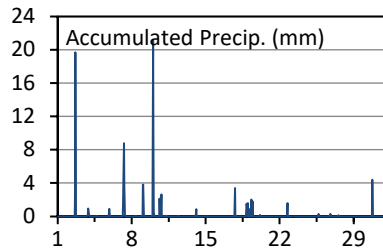
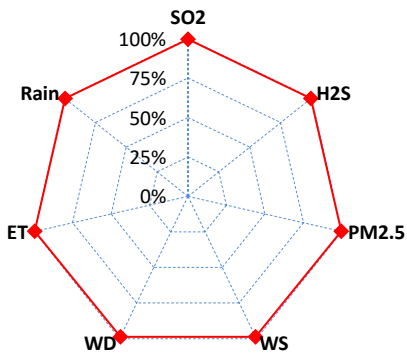
SAAQS: Saskatchewan Ambient Air Quality Standards

* 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 (%)



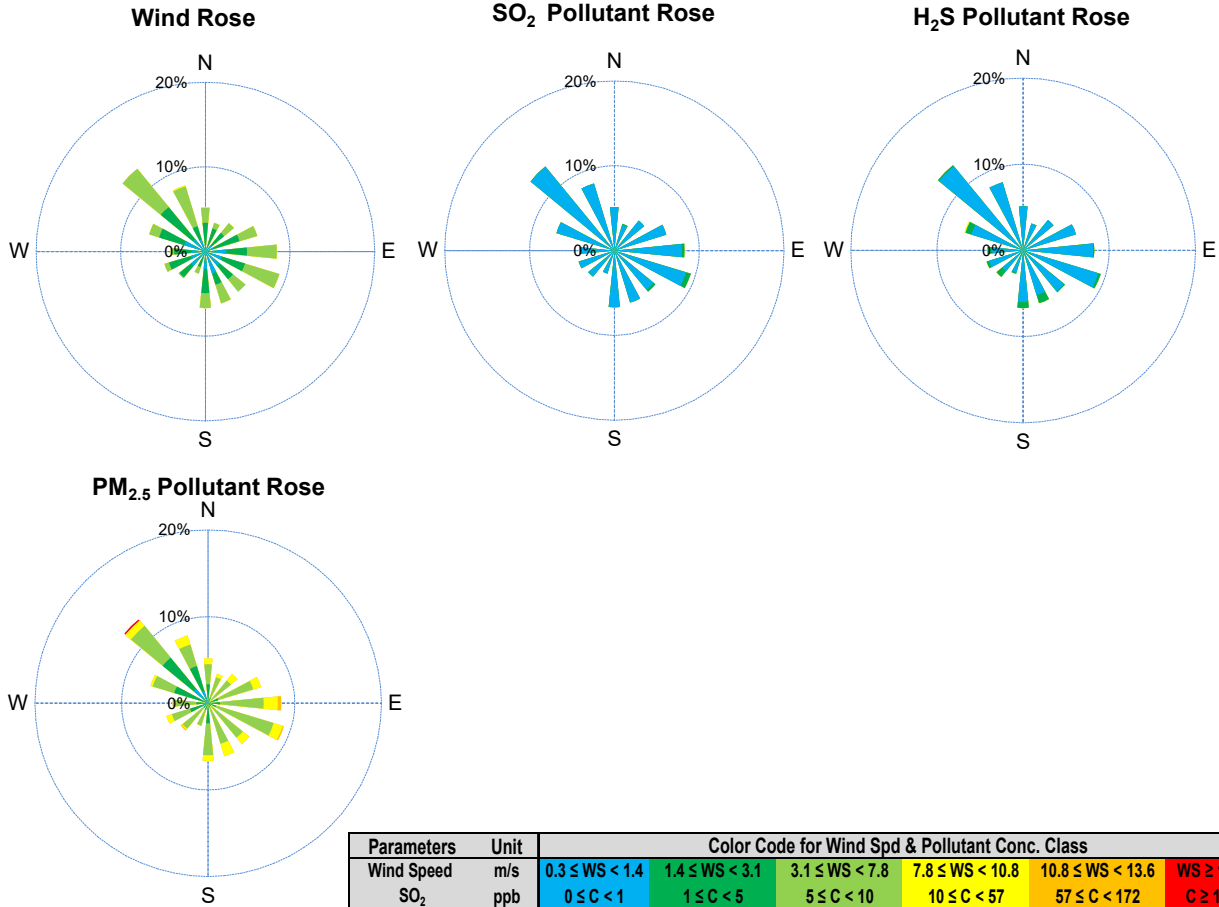
Monthly Update

*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.

SESAA Torquay Station - July 2022 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
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

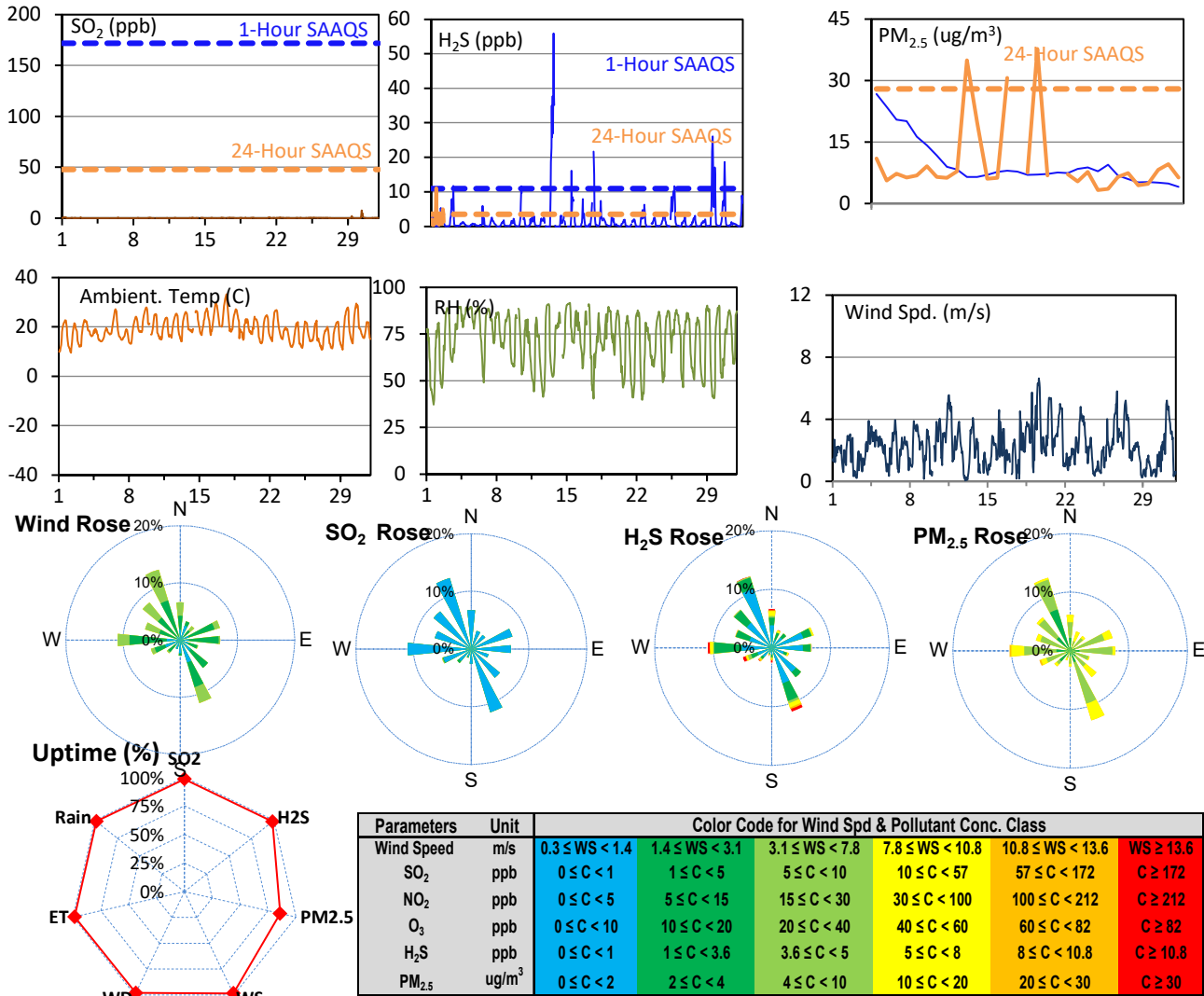
SESAA Wauchope Station - July 2022 Summary Report

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	98.5%	0.2	Jul-1	48	0	7.6	Jul-30 08:00	172	0
H ₂ S	ppb	1.9	98.5%	11.1	Jul-13	3.6	2	55.9	Jul-13 04:00	11	23
PM _{2.5}	ug/m ³	7	85.6%	11	Jul-1	28	0	27	Jul-01 00:00	-	-

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 with the exception of twenty three 1-hr and two 24-hr H₂S exceedances.

*All compliance parameters were greater than 90% operational with the exception of PM_{2.5} which had power issues.

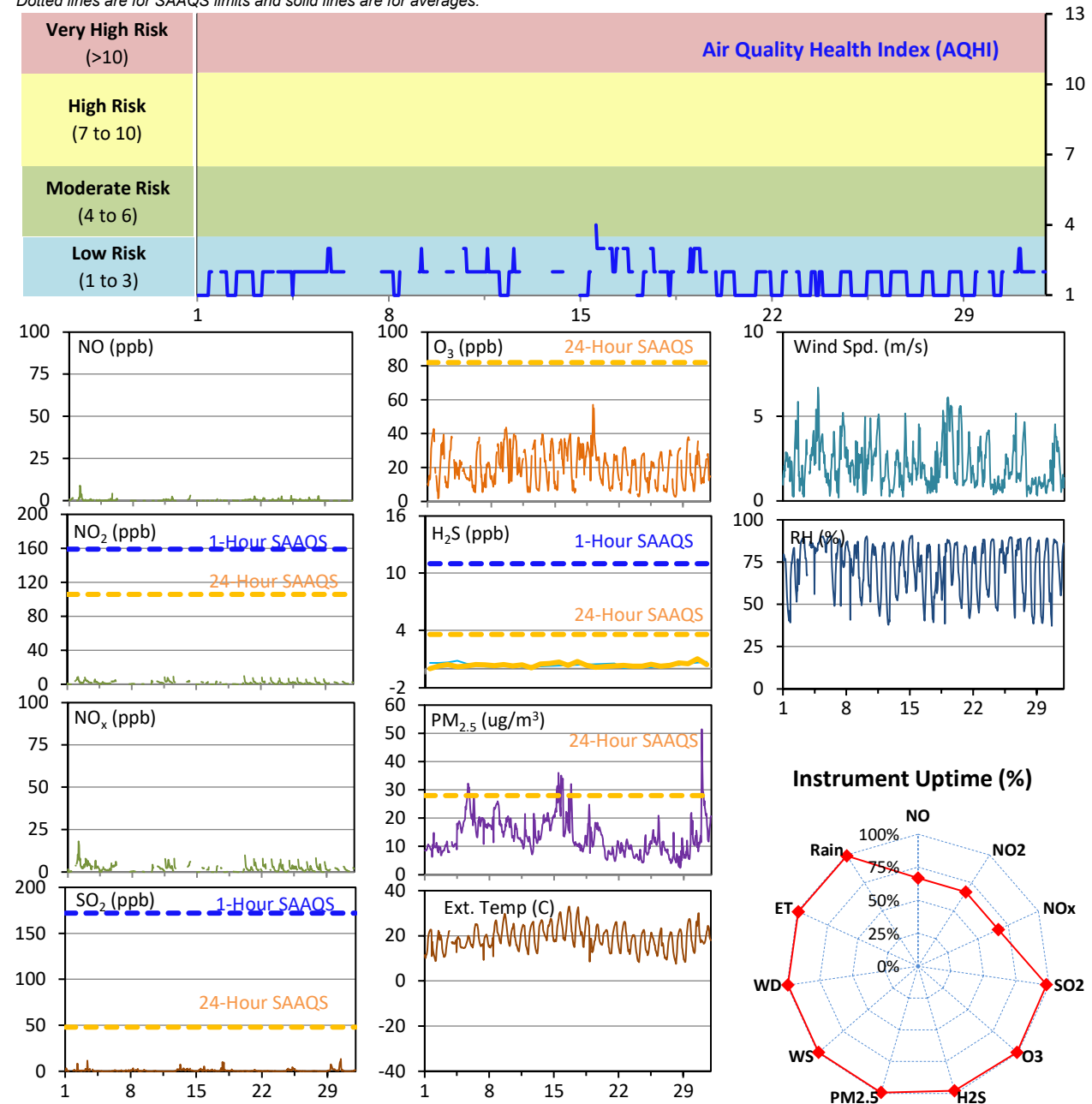
SESAA Weyburn Station - July 2022 Summary Report

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	66.7%	0.7	Jul-21	-	-	8.9	Jul-02 04:00	-	-
NO ₂	ppb	1.8	66.7%	3.7	Jul-2	106	0	10.3	Jul-17 07:00	159	0
NO _x	ppb	2.2	66.7%	6.3	Jul-2	-	-	18.1	Jul-02 04:00	-	-
SO ₂	ppb	0.7	98.0%	2.5	Jul-30	48	0	13.3	Jul-30 10:00	172	0
O ₃	ppb	21	99.2%	30	Jul-9	-	-	57	Jul-19 03:00	82	0
H ₂ S	ppb	0.4	98.0%	1.0	Jul-30	3.6	0	5.9	Jul-17 02:00	11	0
PM _{2.5}	ug/m3	14	99.3%	27	Jul-15	28	0	51	Jul-30 23:00	-	-

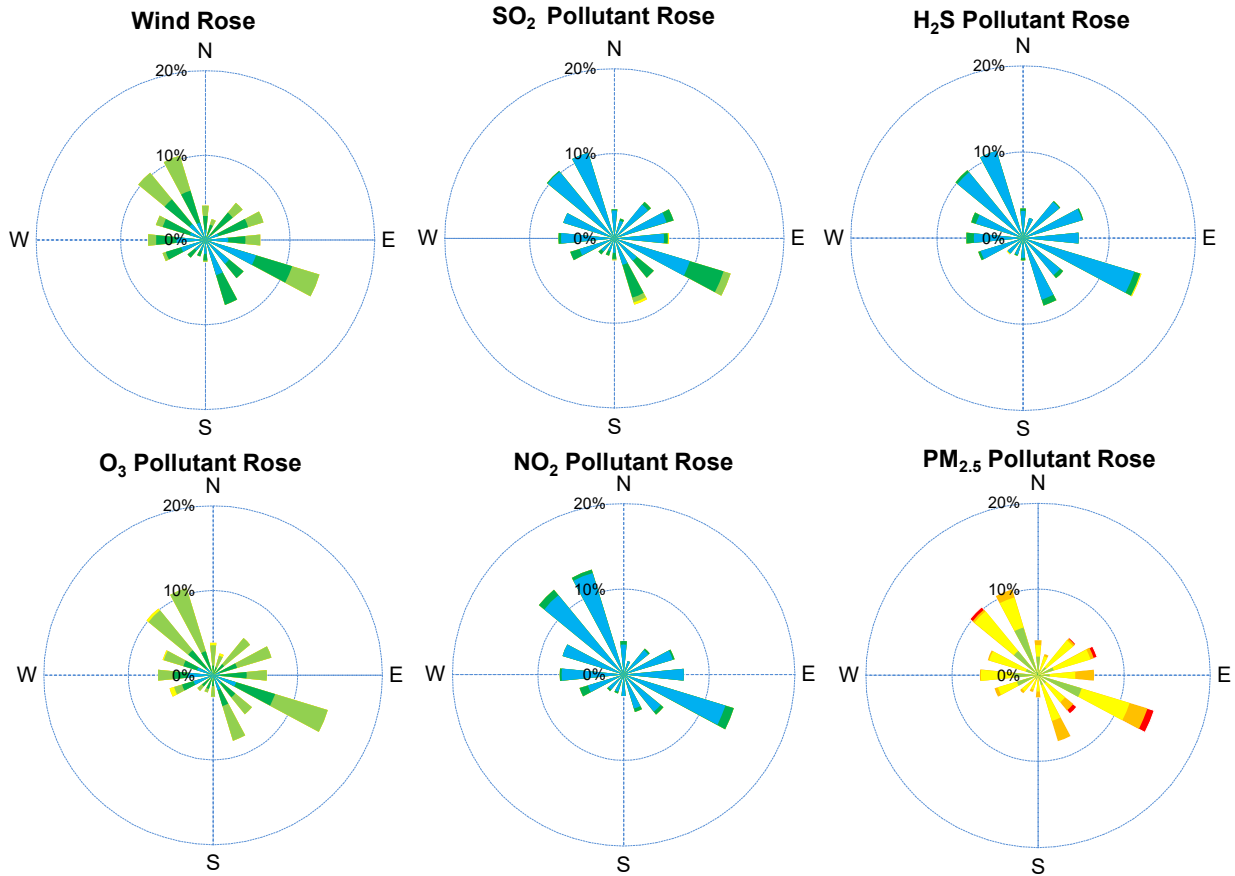
SAAQS: Saskatchewan Ambient Air Quality Standards

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

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



SESAA Weyburn Station - July 2022 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	
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 were greater than 90% operational with the exception of NO, NO₂ and NO_x.

An issue with overheating caused intermittent power interruptions for the month.