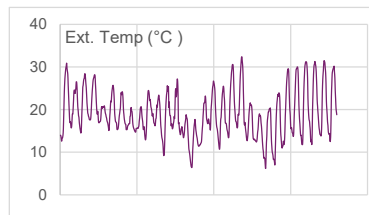
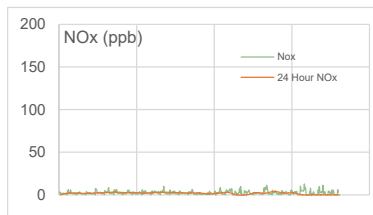
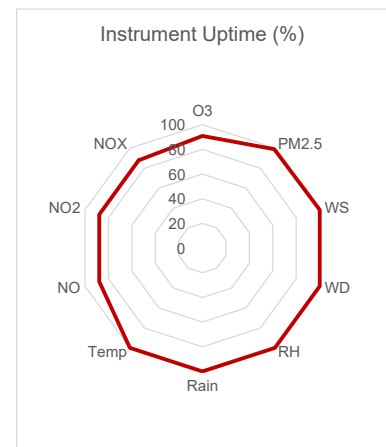
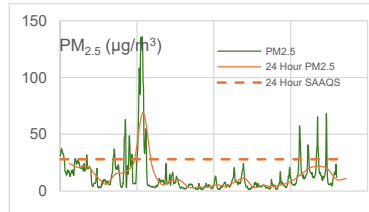
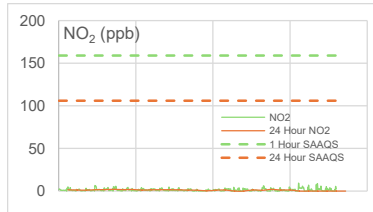
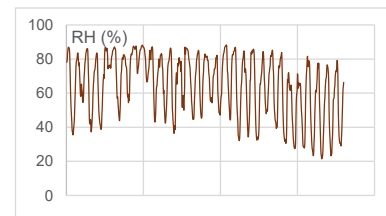
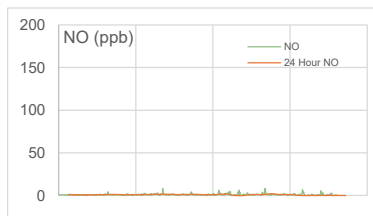
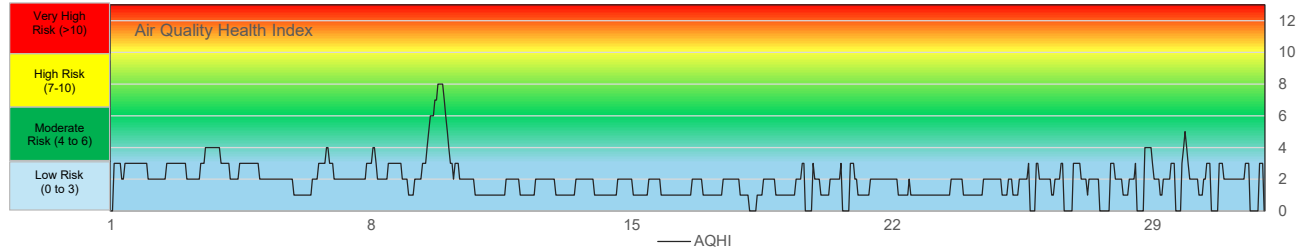


WYAMZ Clavet Station - August 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	1.2	87.9%	1.99	23-Aug	-	-	8.3	8/23/2025 7:00 AM	-	-
NO ₂	ppb	1.7	87.9%	2.05	6-Aug	106	0	9.4	8/26/2025 10:00 PM	159	0
NO _x	ppb	2.7	87.9%	3.98	23-Aug	-	-	12.8	8/27/2025 8:00 AM	-	-
O ₃	ppb	23.7	90.9%	50.09	3-Aug	124 (8 hours)	0	52.1	8/3/2025 4:00 PM	82	0
PM _{2.5}	µg/m ³	13.5	99.1%	68.87	9-Aug	28	1	135.8	8/9/2025 10:00 PM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



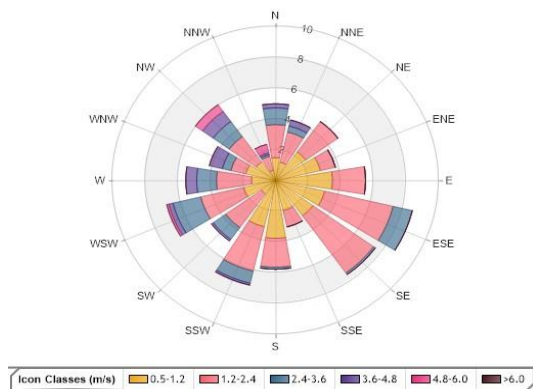
24 Hour Exceedance Summary

Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}
PM _{2.5}	8/9/25 12:00 AM	68.9	2.3	179.3	0.6	0.9	1.2	2.0	20.3	68.9

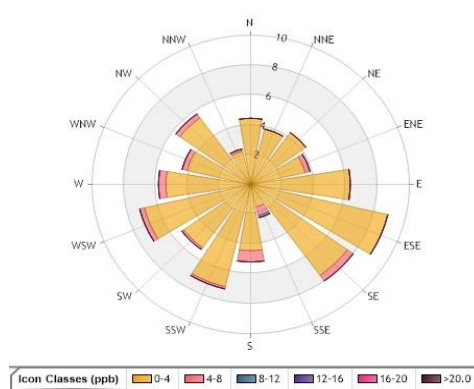
1 Hour Exceedance Summary

Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}

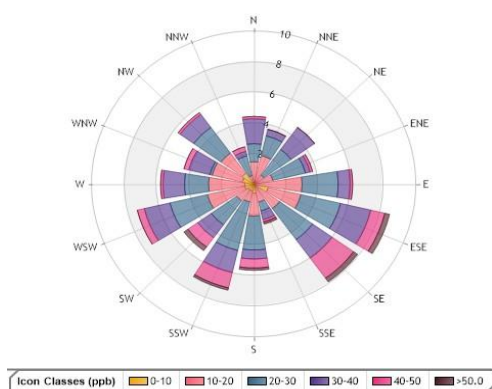
WYAMZ Clavet Station - August 2025 Summary Report



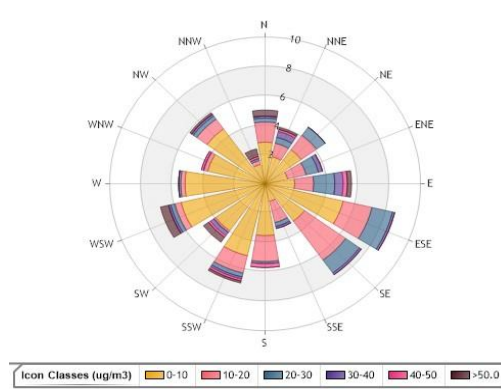
Wind Rose



Pollution Rose NO₂



Pollution Rose O₃



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class					
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	> 6.0
NO ₂	ppb	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	> 20
O ₃	ppb	0.0-C-10.0	10.0-C-20.0	20.0-C-30.0	30.0-C-40.0	40.0-C-50.0	> 50
PM _{2.5}	µg/m ³	0.0-C-10.0	10.0-C-20.0	20.0-C-30.0	30.0-C-40.0	40.0-C-50.0	> 50

Monthly Update

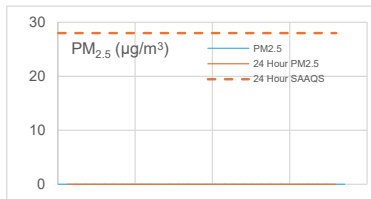
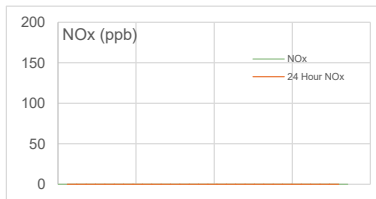
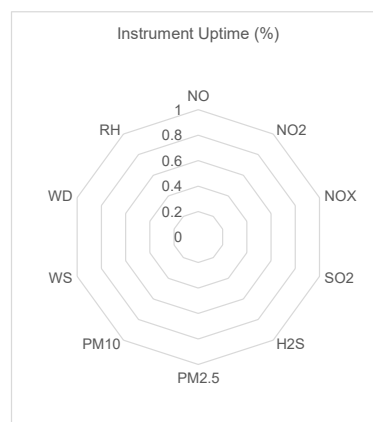
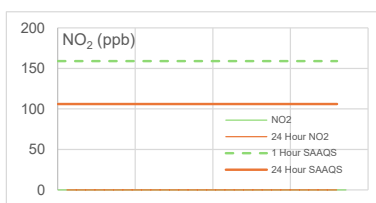
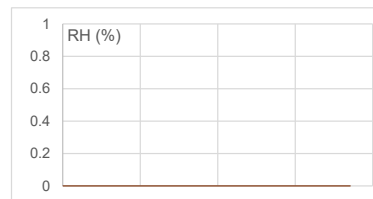
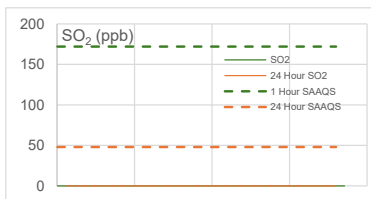
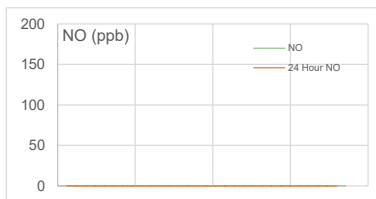
- * All data has been zero drift and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards except for one PM_{2.5} 24-hours average exceedance most likely attributed to wildfire smoke in the area.
- * All parameters were more than 90% operational for the month with the exception of NO₂.
- * Intermittent temperature increases resulted in approximately 64 hours of lost NO₂ data due to analyzer shutdowns.
- * One hour of data were flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Quarterly calibrations were completed on May 30, 2025.



WYAMZ Maidstone Station - August 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
NO ₂	ppb	No Data	0.0%	0.00	-	106	0	No Data	-	159	0
NO _x	ppb	No Data	0.0%	0.00	-	-	-	No Data	-	-	-
SO ₂	ppb	No Data	0.0%	0.0	-	48	0	No Data	-	172	0
H ₂ S	ppb	No Data	0.0%	0.0	-	3.6	0	No Data	-	11	0
PM _{2.5}	µg/m ³	No Data	0.0%	0.0	-	28	0	No Data	-	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary

24 - Hour Exceedance Information			Summary of other Parameters during Exceedance						
Pollutant	Date	Conc.	WS	WD	H ₂ S	NO	NO ₂	NO _x	SO ₂ PM _{2.5}
						N/A	N/A	N/A	

Exceedance Summary (1-Hour Average)

1-hour Exceedance Information			Summary of Other Parameters During Exceedance					
Pollutant	Date /Time	Conc.	WS	WD	Precip.	SO ₂	NO ₂	PM _{2.5}

WYAMZ Maidstone Station - August 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class					
Wind Speed	m/s	0.5 - 1.2	1.2 - 2.4	2.4 - 3.6	3.6 - 4.8	4.8 - 6.0	WS > 6.0
SO ₂	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
H ₂ S	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
PM _{2.5}	ug/m ³	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	C > 20.0

Monthly Update

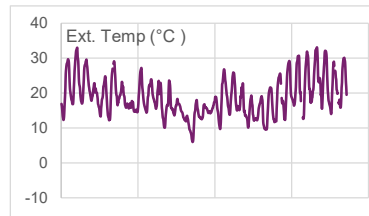
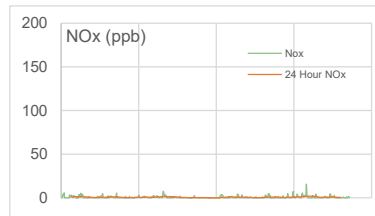
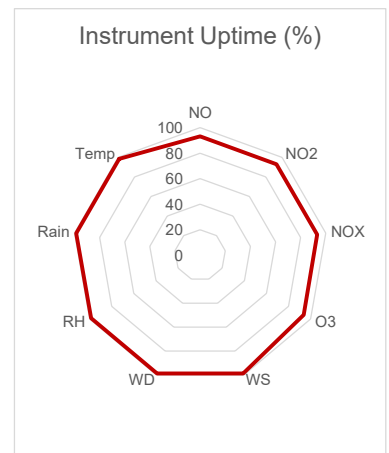
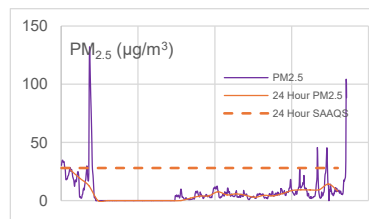
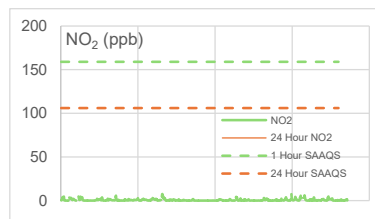
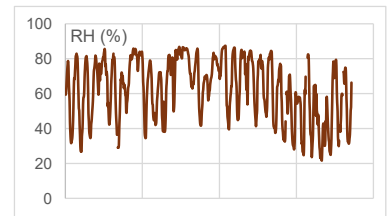
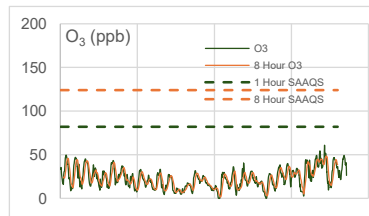
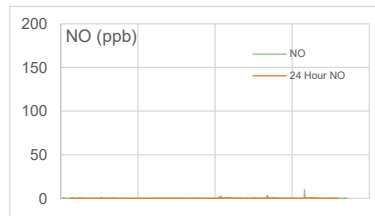
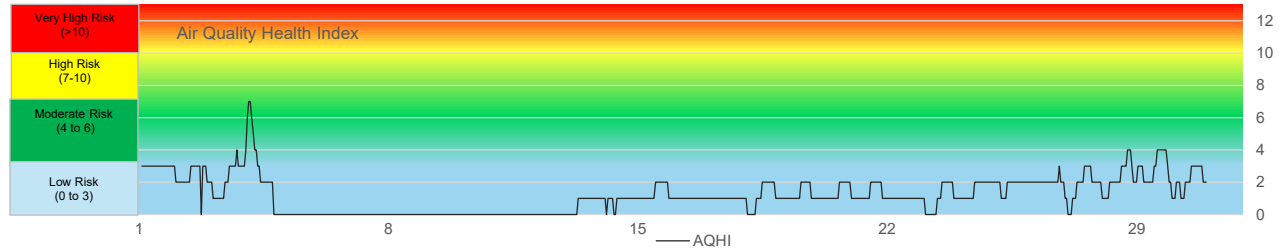
- * The system was shut down due to high temperatures on July 4, 2025.
- * The NO₂ analyzer was removed on December 17, 2024 for service and maintenance.
- * Quarterly calibrations were completed on May 28, 2025.



WYAMZ Meadow Lake Station - August 2025 Summary Report

Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective*	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
NO	ppb	0.1	93.2%	0.8	27-Aug	-	-	9.7	8/27/2025 8:00 AM	-	-
NO ₂	ppb	0.7	93.2%	1.5	11-Aug	106	0	7.5	8/11/2025 11:00 PM	159	0
NO _x	ppb	0.7	93.2%	2.0	27-Aug	-	-	15.7	8/27/2025 8:00 AM	-	-
O ₃	ppb	23	93.7%	48.5	29-Aug	124 (8 hours)	0	60.9	8/29/2025 2:00 PM	82	0
PM _{2.5}	µg/m ³	10.1	70.6%	26.4	1-Aug	28	0	132.1	8/4/2025 2:00 AM	-	-

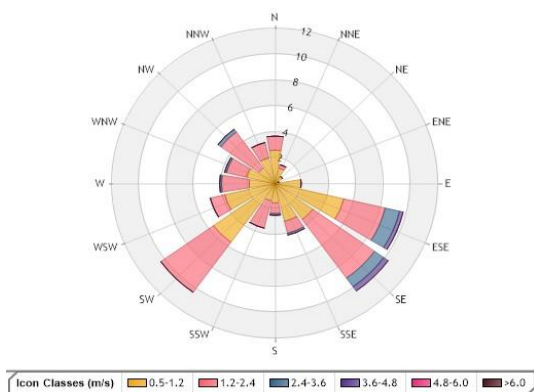
SAAQS: Saskatchewan Ambient Air Quality Standards



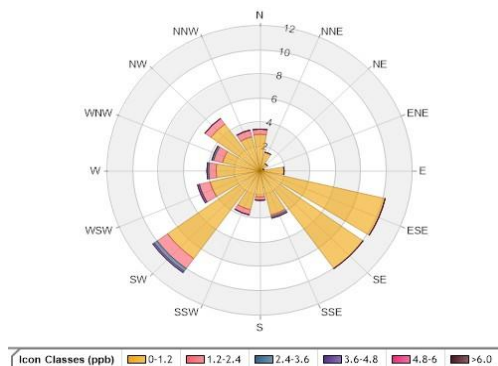
Exceedance Summary

24-hour Exceedance Information			Summary of other Parameters during Exceedance							
Pollutant	Date	Conc.	WS	WD	Precip.	NO	NO ₂	NO _x	O ₃	PM _{2.5}

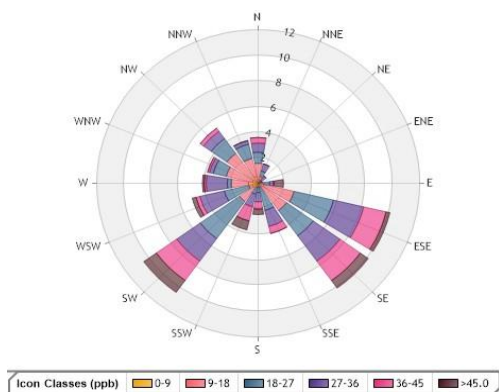
WYAMZ Meadow Lake Station - August 2025 Summary Report



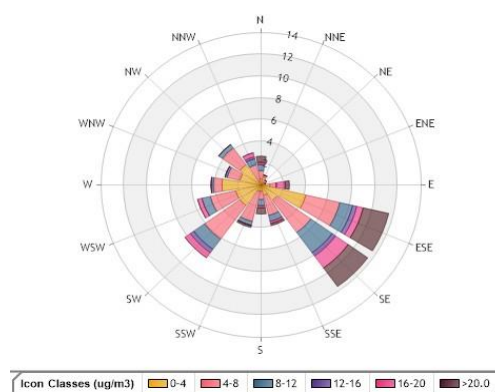
Wind Rose



Pollution Rose NO₂



Pollution Rose O₃



Pollution Rose PM_{2.5}

Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class						
Wind Speed	m/s	0.5-W-1.2	1.2-W-2.4	2.4-W-3.6	3.6-W-4.8	4.8-W-6.0	W > 6.0	
NO ₂	ppb	0.0-C-1.2	1.2-C-2.4	2.4-C-3.6	3.6-C-4.8	4.80-C-6.0	C > 6.0	
O ₃	ppb	0.0-C-9.0	9.0-C-18.0	18.0-C-27.0	27.0-C-36.0	36.0-C-45.0	C > 45.0	
PM _{2.5}	µg/m ³	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	C > 20.0	

Monthly Update

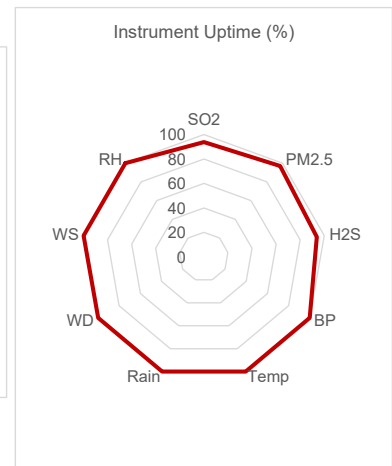
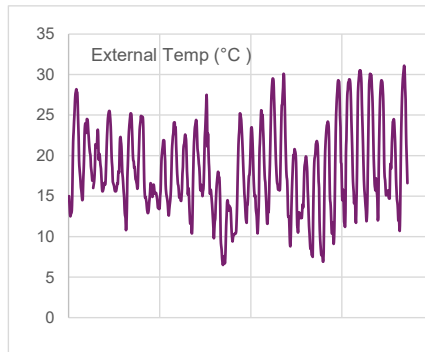
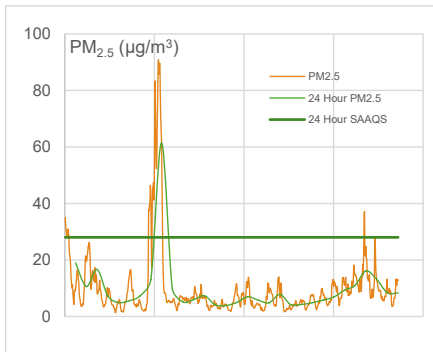
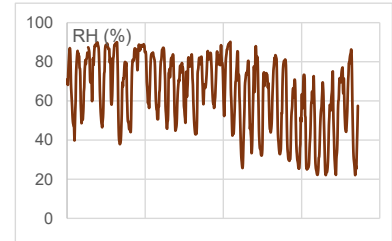
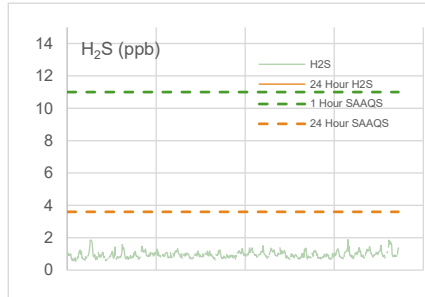
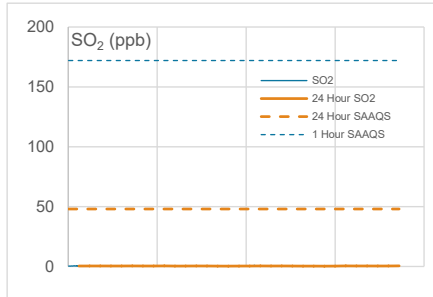
- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards.
- * All compliance parameters were more than 90% operational for the month except for PM_{2.5}.
- * A total of 195 hours of PM_{2.5} data were flagged as "analyzer malfunction," resulting in missing and flatlined data.
- * One hour of data was flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Quarterly calibrations were completed on May 27, 2025.



WYAMZ Kerrobert Station - August 2025 Summary Report

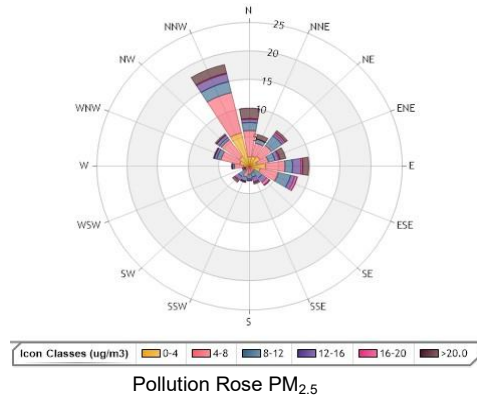
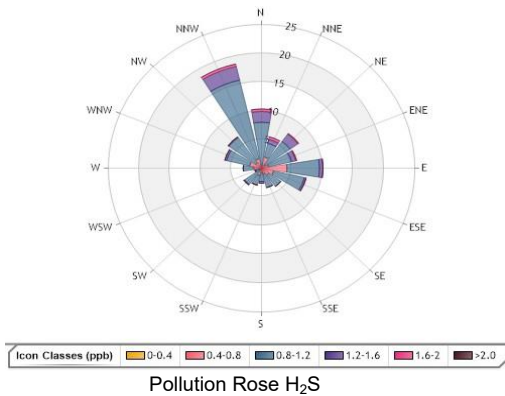
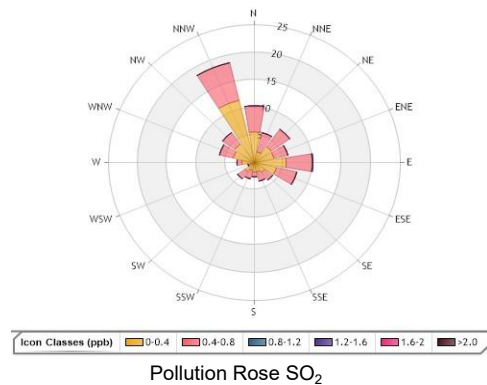
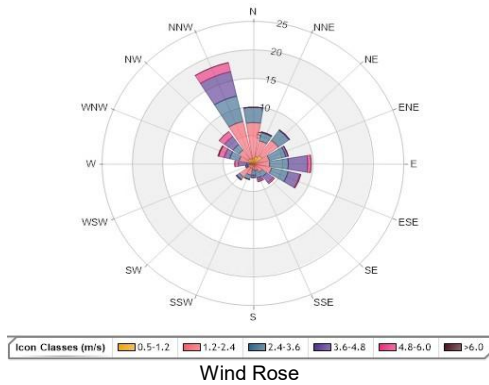
Pollutants		Month Records		24 Hour Records				1 Hour Records			
Name	Unit	Average Concentration	Uptime	Maximum		SAAQS Objective	Exceed Days	Maximum		SAAQS Objective	Exceed Hours
				Conc.	Date			Conc.	Date and Time		
SO ₂	ppb	0.4	93.8%	0.5	31-Aug	48	0	0.9	8/18/2025 10:00 AM	172	0
H ₂ S	ppb	1.0	93.8%	1.2	31-Aug	3.6	0	1.9	8/27/2025 7:00 AM	11	0
PM _{2.5}	µg/m ³	9.8	97.0%	61.4	9-Aug	28	1	90.9	8/9/2025 5:00 PM	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Exceedance Summary								
24-hour Exceedance Information			Summary of other Parameters during Exceedance					
Pollutant	Date	Conc.	WS	WD	Precip.	SO ₂	H ₂ S	PM _{2.5}
PM _{2.5}	9-Aug	61.42	2.84	298.30	0.01	0.46	0.98	61.42

WYAMZ Kerrobert Station - August 2025 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollutant Conc. Class					
Wind Speed	m/s	0.5-W-1.2	1.2-W- 2.4	2.4-W-3.6	3.6-W-4.8	4.8-W-6.0	> 6.0
SO ₂	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
H ₂ S	ppb	0.0-C-0.4	0.4-C-0.8	0.8-C-1.2	1.2-C-1.6	1.6-C-2.0	C > 2.0
PM _{2.5}	µg/m ³	0.0-C-4.0	4.0-C-8.0	8.0-C-12.0	12.0-C-16.0	16.0-C-20.0	C > 20.0

Monthly Update

- * All data has been zero drift, and baseline corrected, if needed. Data may change after final validation process.
- * All compliance parameters were within the Saskatchewan Ambient Air Quality Standards with the exception of one PM_{2.5} 24-Hour Exceedance.
- * All compliance parameters were greater than 90% operational for the month.
- * One hour of data were flagged for all gas analyzers due to daily IZS checks, resulting in the loss of one hour of data each day.
- * Quarterly calibrations completed on May 29, 2025.

