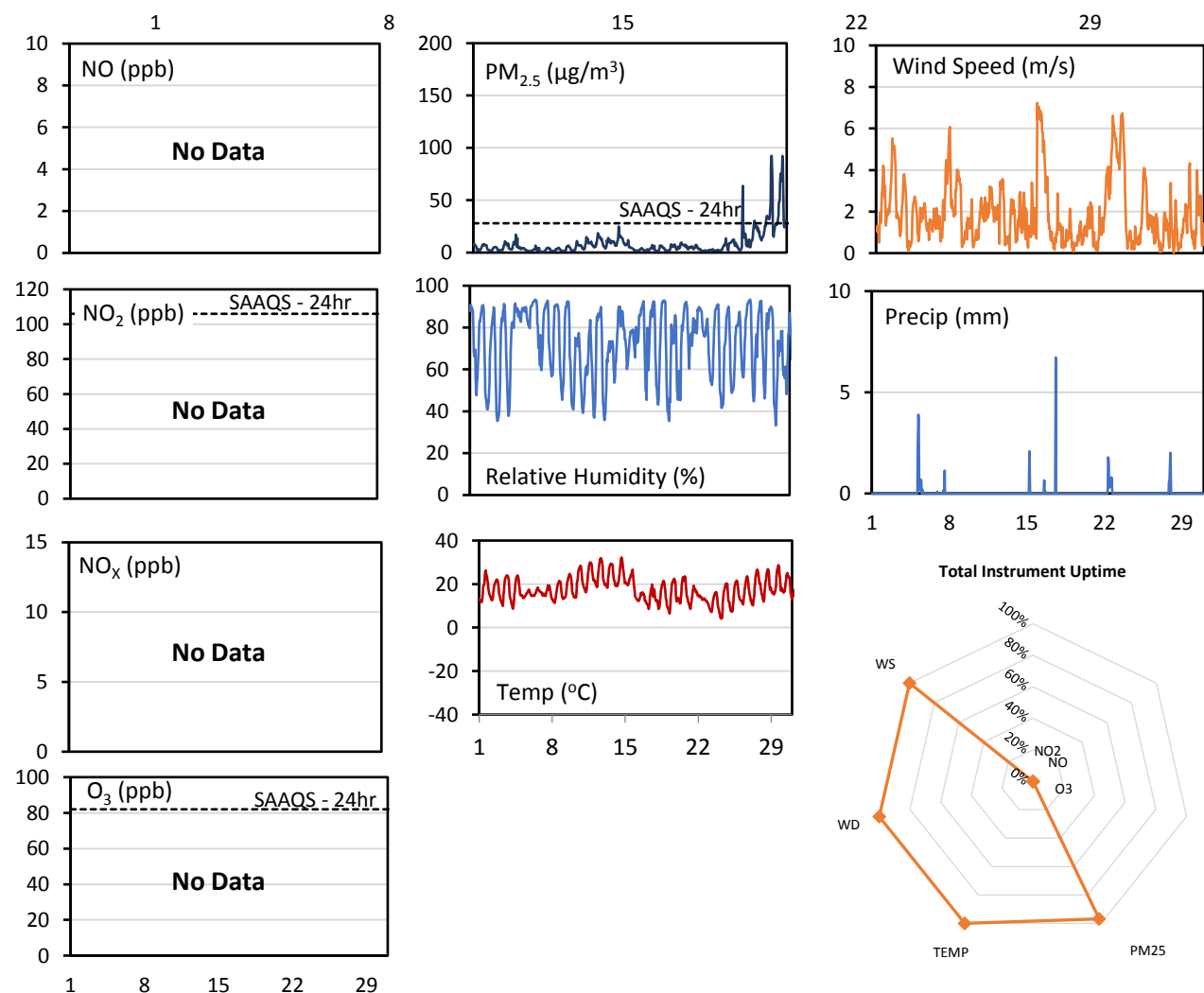
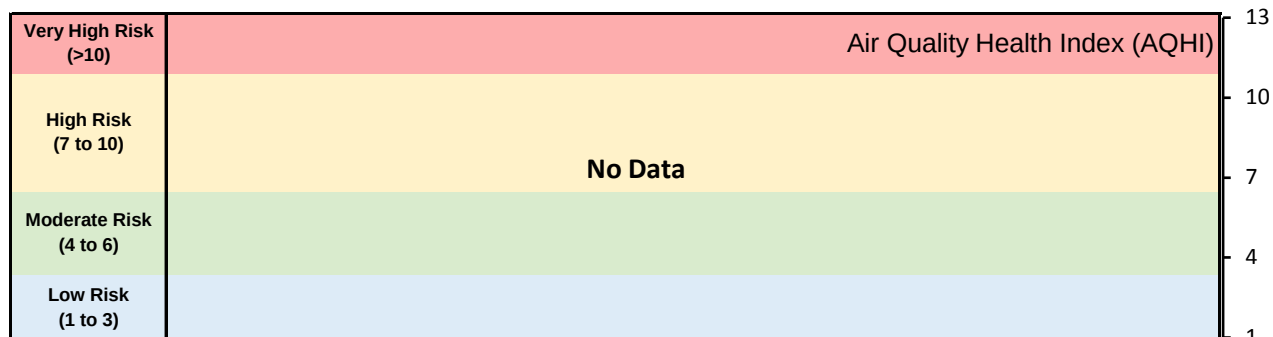


SESAA Esterhazy Station - August 2015 Summary Report

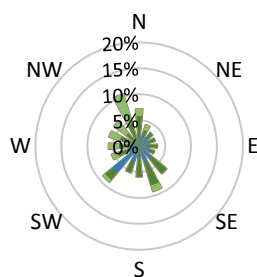
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	N/A	0%	0.0	N/A	-	-	0.0	N/A	-	-
NO ₂	ppb	N/A	0%	0.0	N/A	106	N/A	0.0	N/A	159	N/A
NO _x	ppb	N/A	0%	0.0	N/A	-	-	0.0	N/A	-	-
O ₃	ppb	N/A	0%	0.0	N/A	-	-	0.0	N/A	82	N/A
PM _{2.5}	µg/m ³	8.6	97%	47.1	Aug-30	28	2	92.4	Aug-29 13:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards

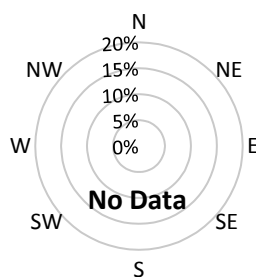


SESAA Esterhazy Station - August 2015 Summary Report

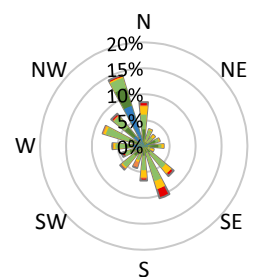
Wind Rose



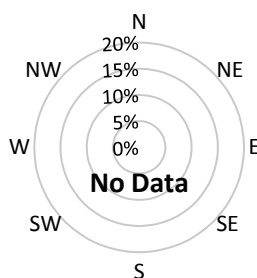
NO₂ Pollutant Rose



PM_{2.5} Pollutant Rose



O₃ Pollutant Rose



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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
O ₃	ppb	0 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 40	40 ≤ C < 60	60 ≤ C < 82	C ≥ 82
NO ₂	ppb	0 ≤ C < 5	5 ≤ C < 15	15 ≤ C < 30	30 ≤ C < 100	100 ≤ C < 212	C ≥ 212
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

- NO_x and O₃ data invalidated due to operational issues
- Significant forest fire activity had an impact on particulate monitoring equipment resulting in downtime.

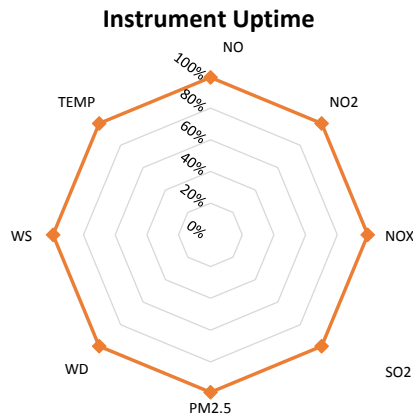
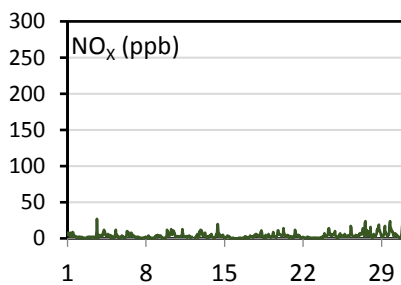
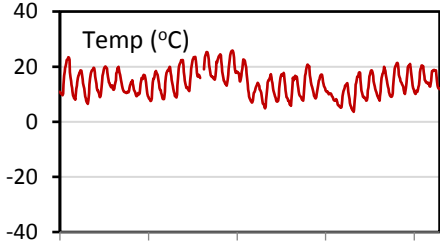
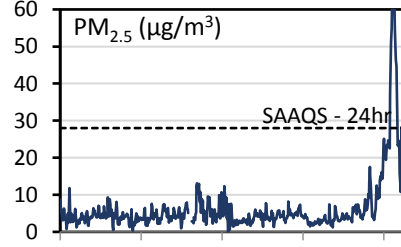
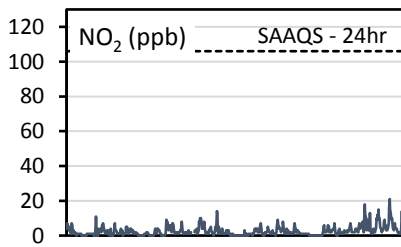
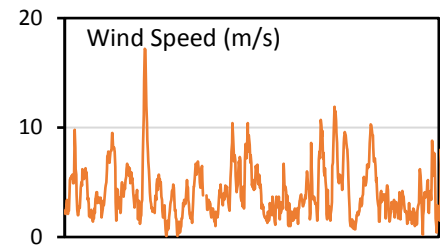
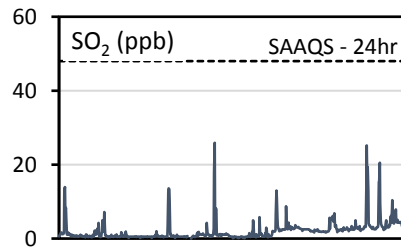
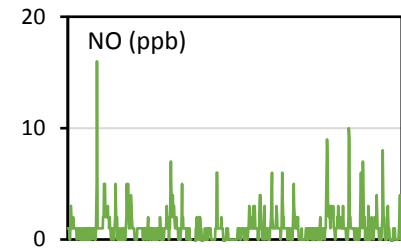
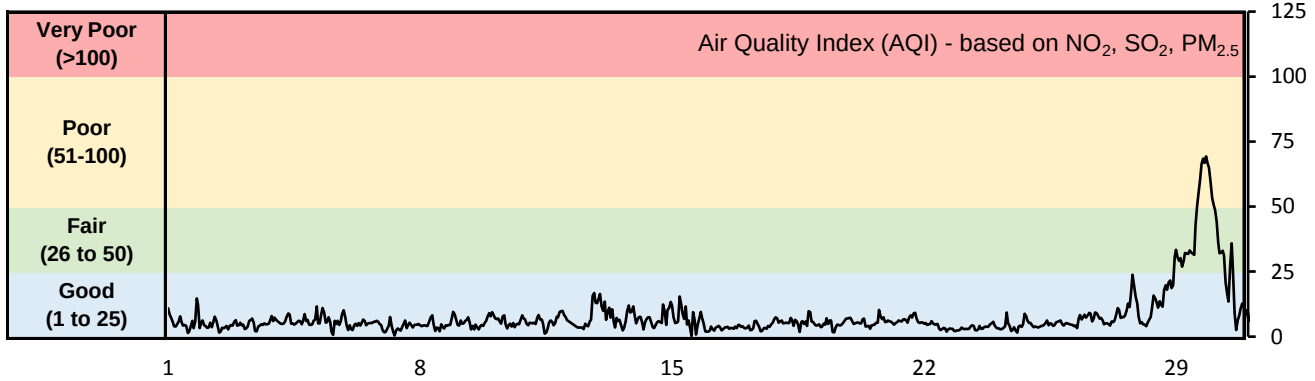
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

Exceedance Time	AQI	NO ₂ ppb	NO ppb	SO ₂ ppb	PM _{2.5} µg/m ³	NO _x ppb	Temp °C	WD deg	WS m/s
Aug-29	N/A	N/A	N/A	N/A	38.4	N/A	20.3	207.1	1.8
Aug-30	N/A	N/A	N/A	N/A	47.1	N/A	19.6	186.1	1.5

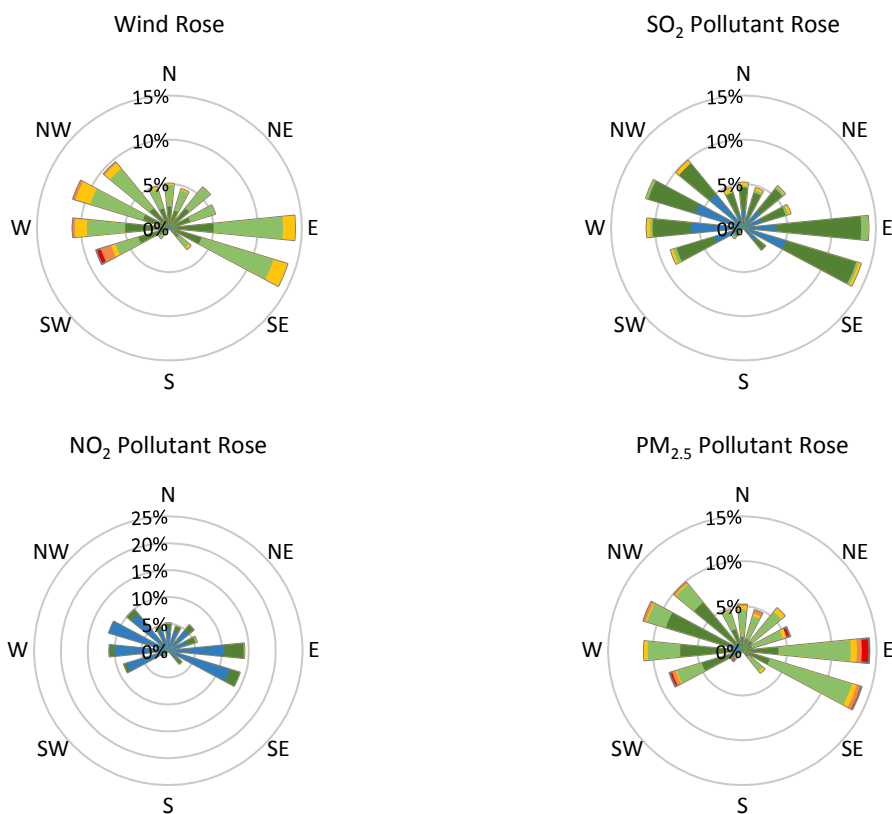
SESAA Estevan Station - August 2015 Summary Report

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	1.1	99%	2.5	Aug-24	-	-	16.0	Aug-03 15:00	-	-
NO ₂	ppb	2.6	99%	7.2	Aug-29	106	0	21.0	Aug-29 18:00	159	0
NO _x	ppb	3.7	99%	8.5	Aug-27	-	-	27.0	Aug-03 15:00	-	-
SO ₂	ppb	2.2	99%	5.9	Aug-27	48	0	25.9	Aug-14 10:00	172	0
PM _{2.5}	µg/m ³	6.2	99%	37.7	Aug-29	28	1	63.3	Aug-29 20:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



SESAA Estevan Station - August 2015 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
SO ₂	ppb	$1 \leq C < 5$	$6 \leq C < 15$	$16 \leq C < 30$	$31 \leq C < 100$	$101 \leq C < 212$	$C \geq 213$	
PM _{2.5}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

Monthly Update

- Achieved >99% of scheduled uptime
- All compliance parameters are above 90% data validity; no operational issues

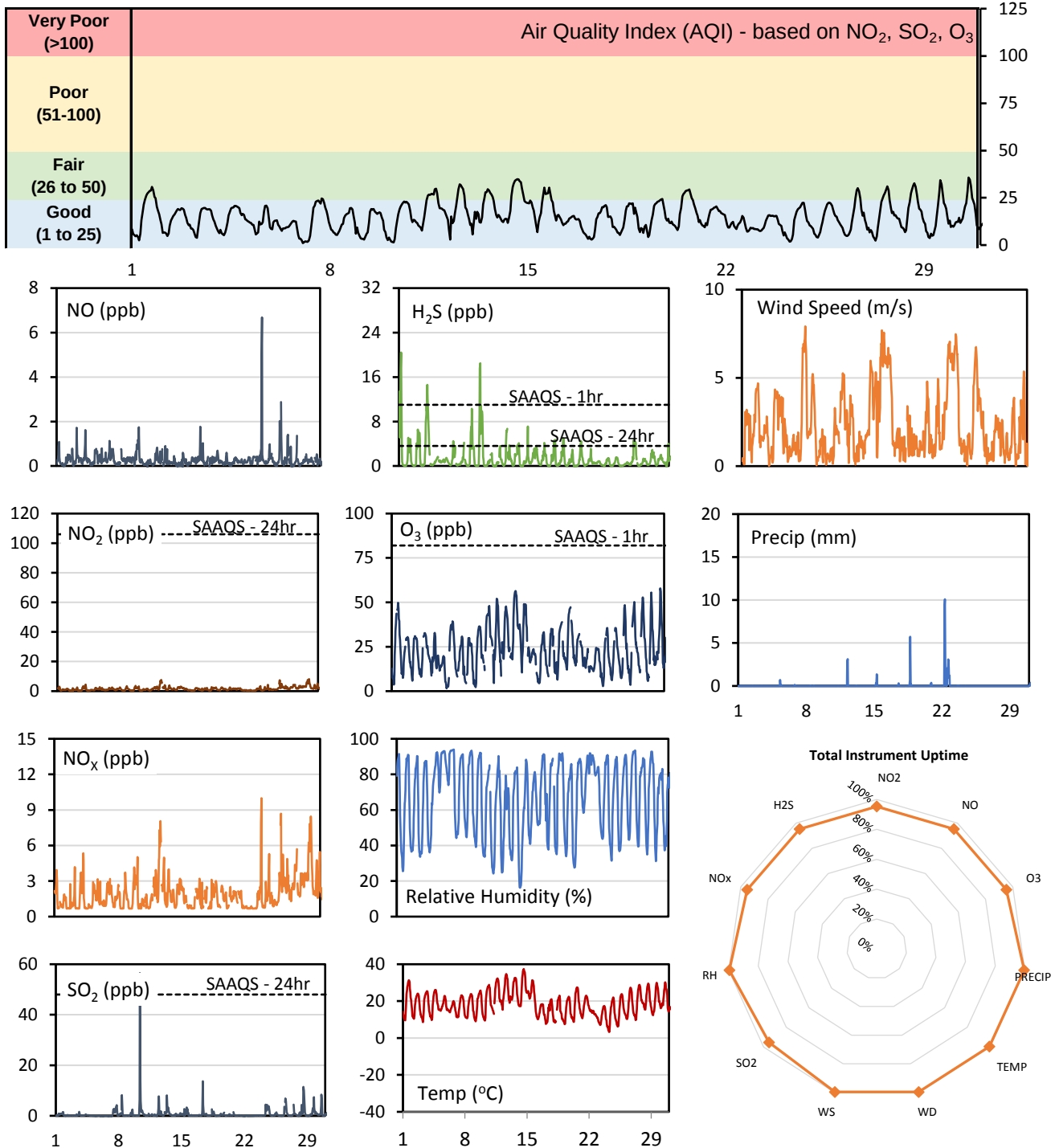
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

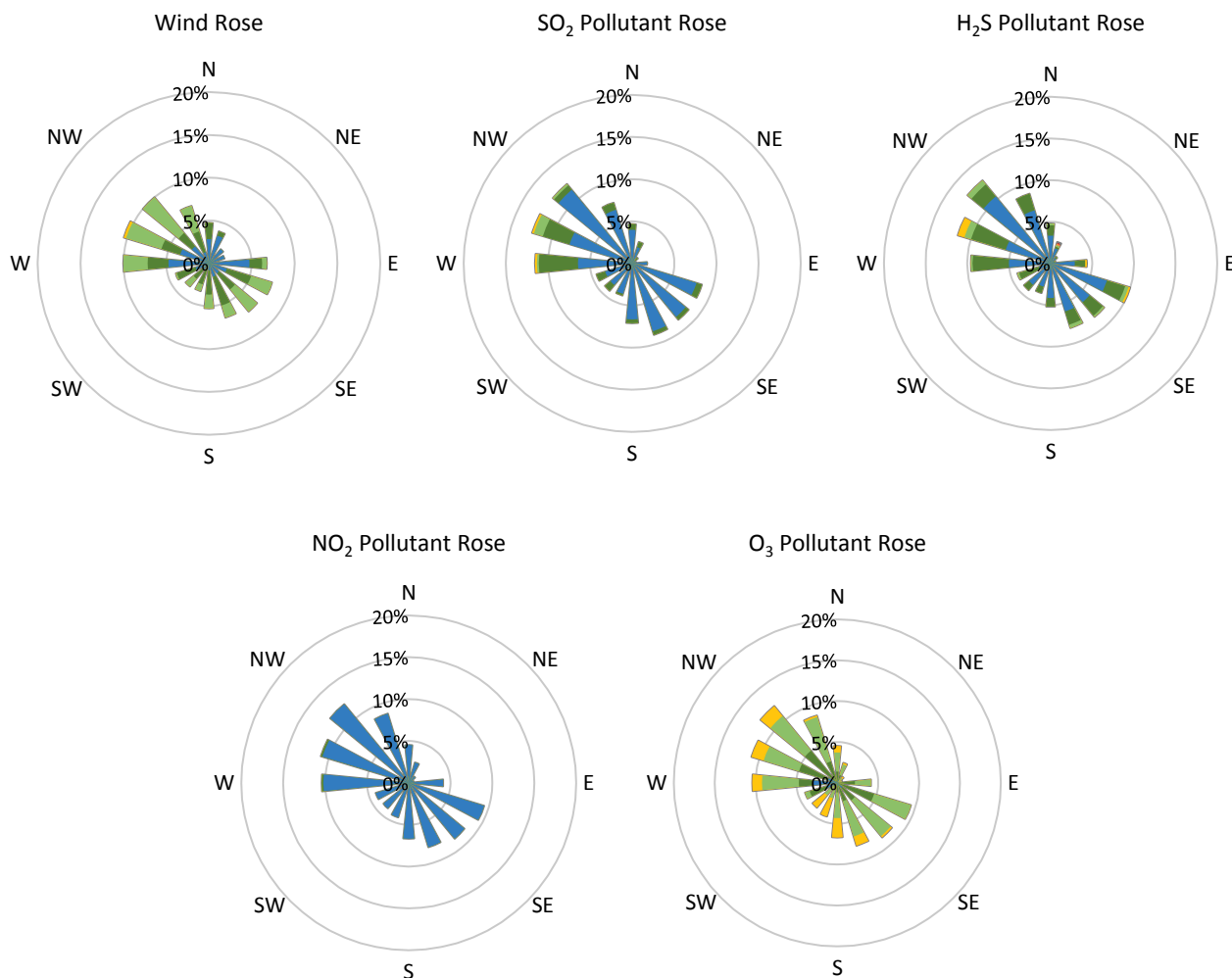
Exceedance Time	AQI	NO	NO ₂	NO _x	SO ₂	PM _{2.5}	WD	WS	TEMP
	-	ppb	ppb	ppb	ppb	$\mu\text{g}/\text{m}^3$	deg	deg	°C
August 29	43.3	1.2	7.2	8.4	4.3	37.7	155.5	2.9	15.0

SESAA Glen Ewen Station - August 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.3	95%	0.8	Aug-24	-	-	6.7	Aug-24 09:00	-	-
NO ₂	ppb	1.6	95%	4.0	Aug-29	106	0	8.1	Aug-29 23:00	159	0
NO _x	ppb	1.9	95%	4.3	Aug-29	-	-	10.0	Aug-24 09:00	-	-
SO ₂	ppb	0.8	95%	4.2	Aug-10	48	0	56.4	Aug-10 09:00	172	0
H ₂ S	ppb	1.4	95%	4.4	Aug-01	3.6	3	20.4	Aug-01 06:00	11	8
O ₃	ppb	23.7	95%	37.7	Aug-14	-	-	57.9	Aug-30 14:00	82	0

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$

Monthly Update

- Achieved >99% of scheduled uptime for all parameters
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues

SESAA Glen Ewen Station - August 2015 Summary Report

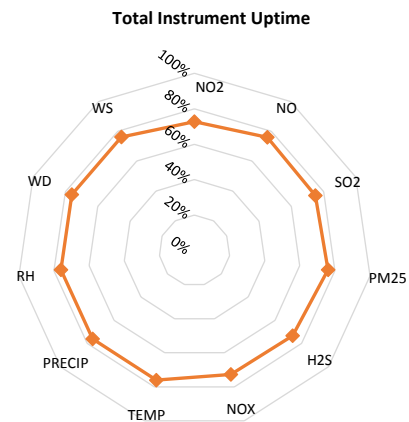
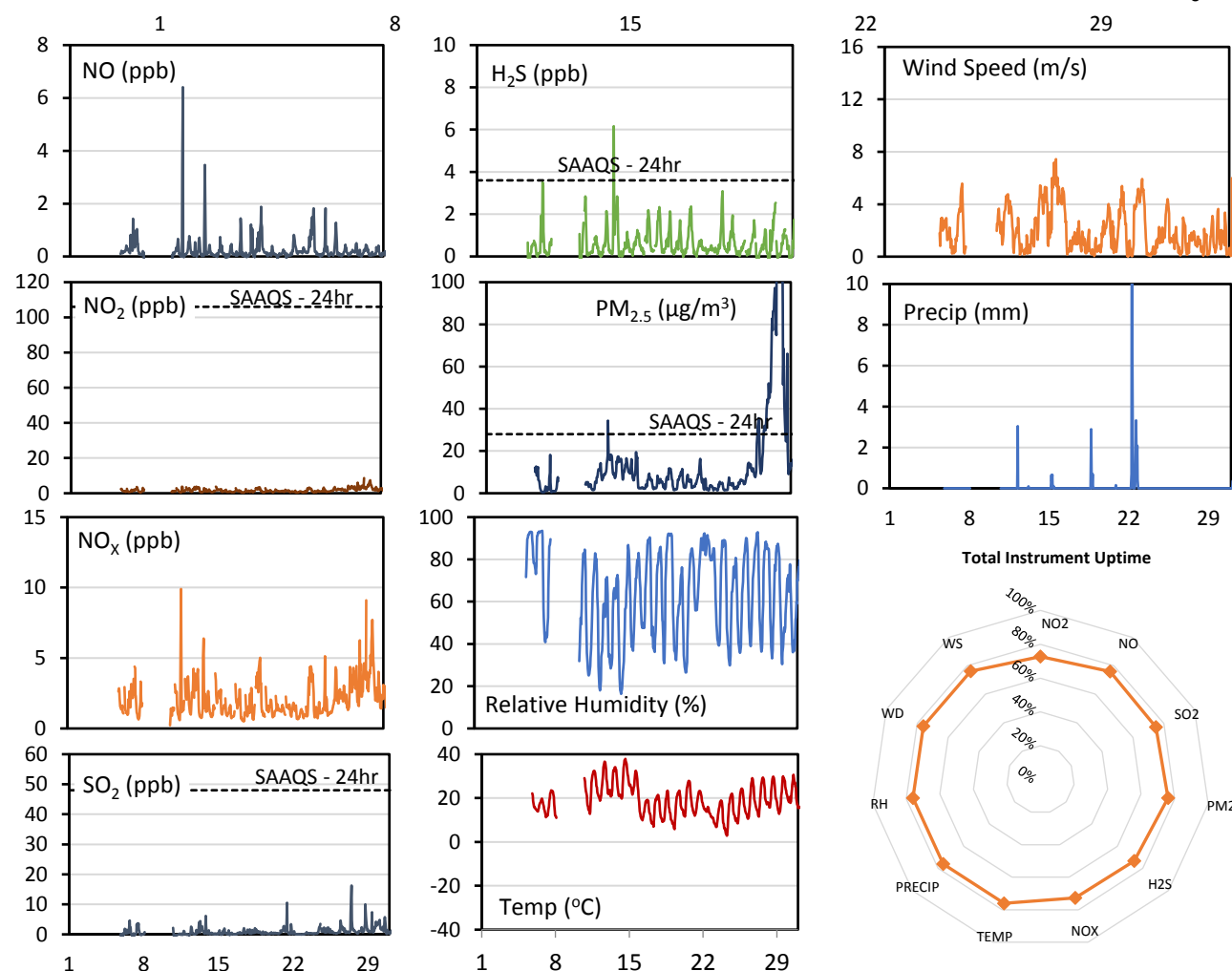
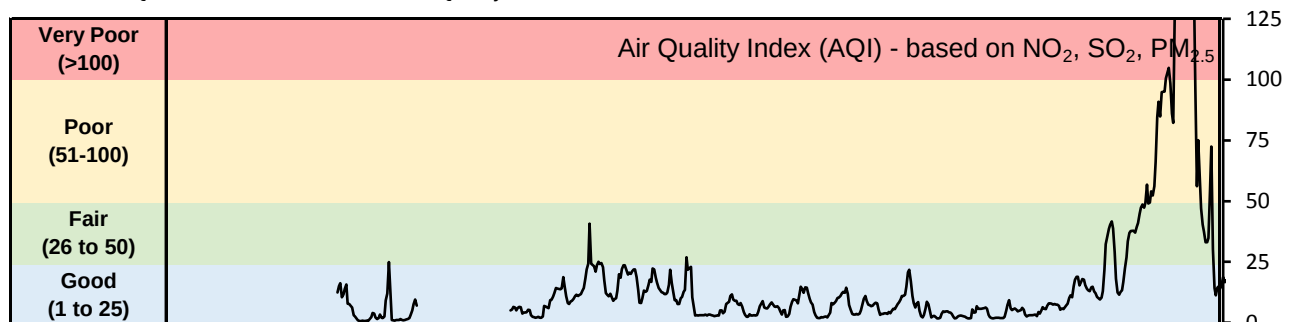
Exceedance Summary (1- Hour Average - Exceedances Highlighted)										
Exceedance Time	AQI	NO ₂	NO	SO ₂	O ₃	NO _x	H ₂ S	Temp	WD	WS
	-	ppb	ppb	ppb	ppb	ppb	ppb	°C	deg	m/s
Aug-01 01:00	5.9	2.0	0.1	0.1	9.0	2.1	13.4	13.0	267.0	0.3
Aug-01 05:00	4.1	2.3	0.5	0.0	6.4	2.8	16.9	9.9	359.3	0.1
Aug-01 06:00	2.4	3.0	0.9	0.1	3.7	3.9	20.4	9.5	326.0	0.1
Aug-01 07:00	6.0	1.9	1.1	0.5	9.1	3.0	12.5	11.8	59.3	0.1
Aug-04 04:00	6.3	1.7	0.3	0.1	9.6	2.1	14.6	11.1	17.0	1.1
Aug-04 05:00	5.7	2.5	0.8	0.2	8.7	3.2	12.1	10.4	9.1	0.7
Aug-10 00:00	4.1	3.6	0.5	0.1	6.3	4.1	17.6	12.9	296.5	0.6
Aug-10 01:00	2.6	3.1	0.7	0.1	4.0	3.7	18.5	12.0	273.0	0.7

Exceedance Summary (24- Hour Average - Exceedances Highlighted)										
Exceedance Time	AQI	NO ₂	NO	SO ₂	O ₃	NO _x	H ₂ S	Temp	WD	WS
	-	ppb	ppb	ppb	ppb	ppb	ppb	°C	deg	m/s
Aug-01	17.4	1.2	0.2	0.5	27.1	1.5	4.4	20.9	186.6	1.7
Aug-04	14.0	1.3	0.4	0.2	21.4	1.7	4.2	18.5	91.0	2.5
Aug-10	13.8	1.4	0.5	4.2	21.2	1.9	4.0	19.8	216.6	1.1

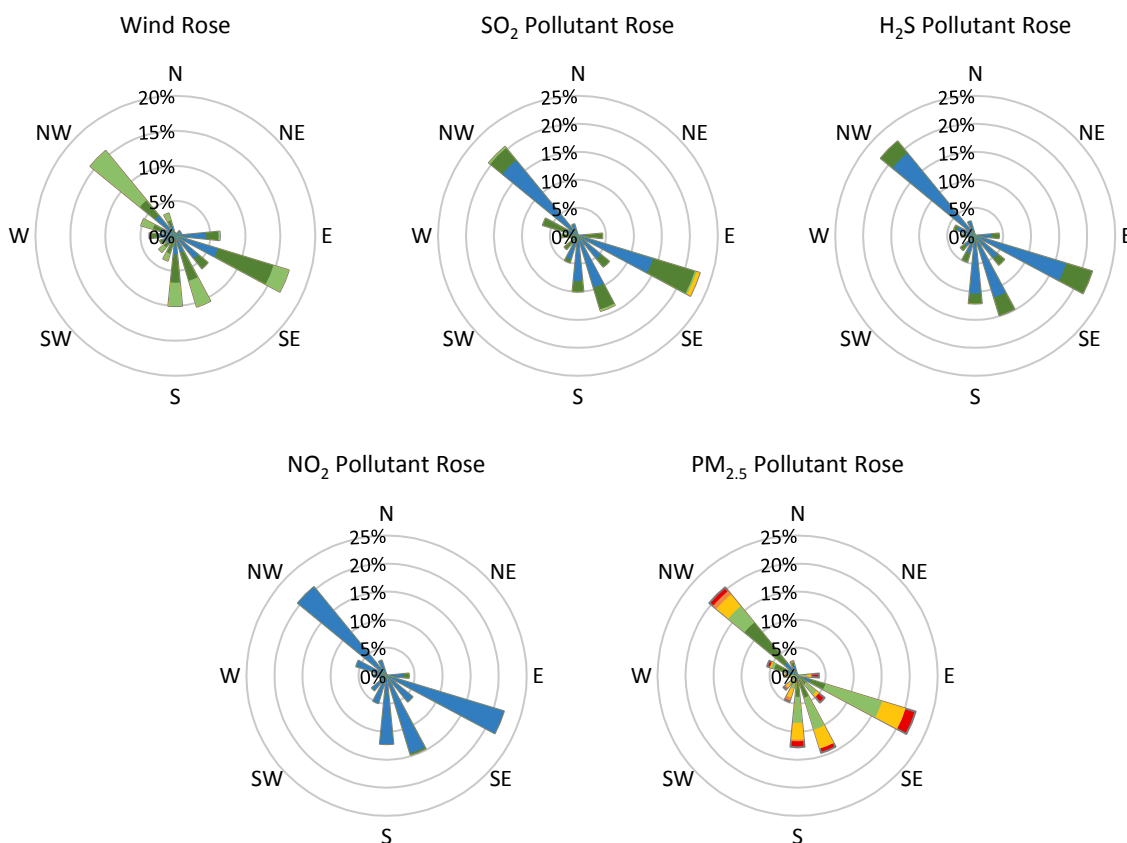
SESAA Oxbow Station - August 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.2	76%	0.6	Aug-11	-	-	6.4	Aug-11 19:00	-	-
NO ₂	ppb	1.7	73%	4.1	Aug-29	106	0	8.6	Aug-29 09:00	159	0
NO _x	ppb	2.0	73%	4.4	Aug-29	-	-	9.9	Aug-11 19:00	-	-
SO ₂	ppb	0.9	75%	2.5	Aug-27	48	0	16.3	Aug-27 11:00	172	0
H ₂ S	ppb	0.6	73%	1.2	Aug-14	3.6	0	6.2	Aug-14 00:00	11	0
PM _{2.5}	µg/m ³	15.3	76%	124.8	Aug-29	28	3	227.1	Aug-29 20:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



SESAA Oxbow Station - August 2015 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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}	µg/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

- Achieved 75-77% of scheduled uptime
- Downtime results from power failures

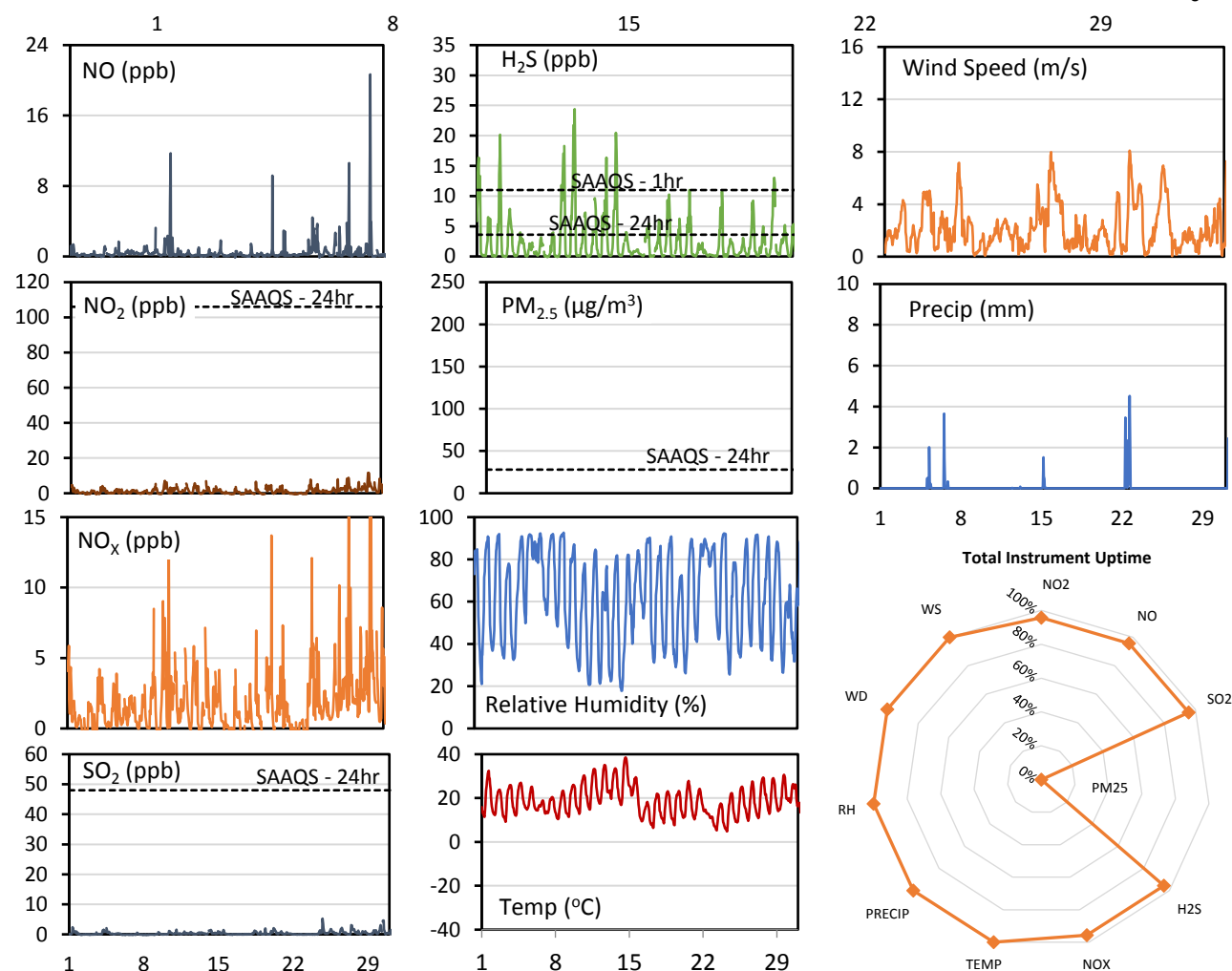
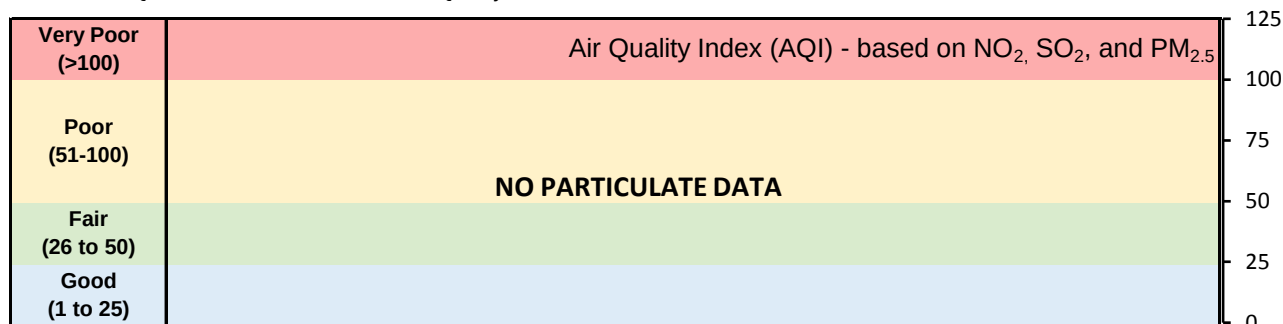
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

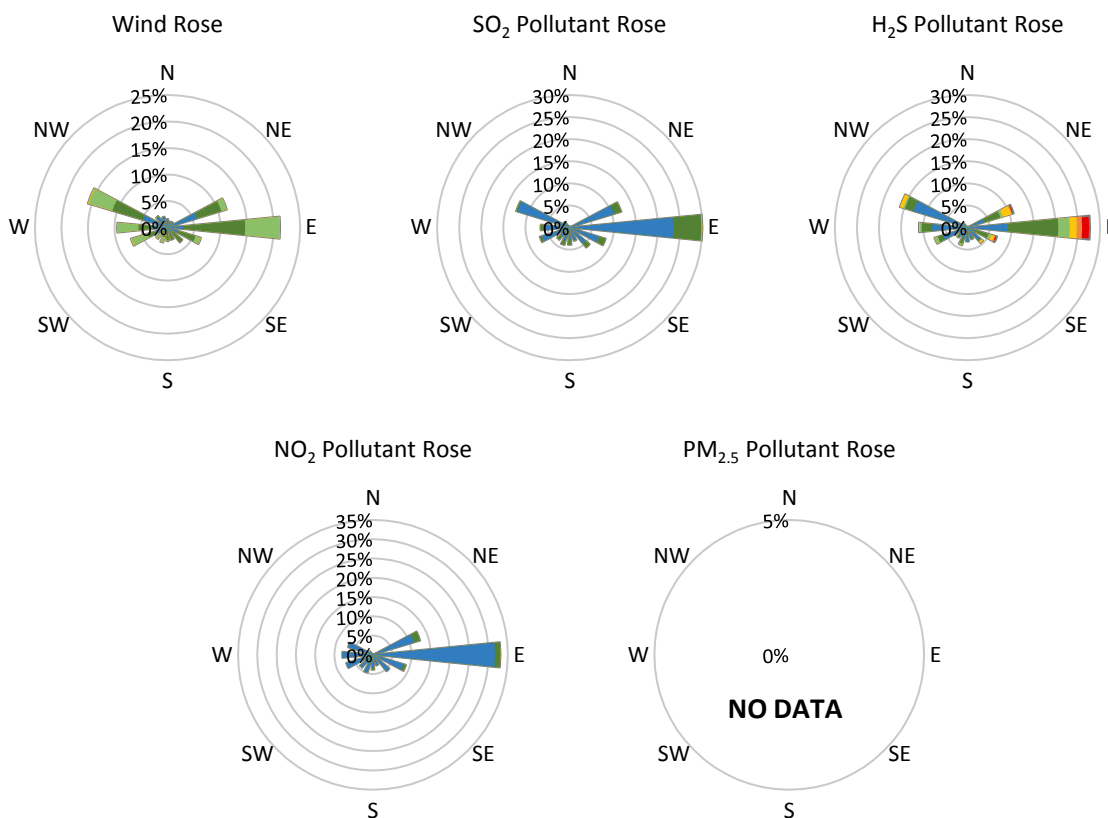
Exceedance Time	AQI	NO ₂ ppb	NO ppb	SO ₂ ppb	PM _{2.5} µg/m ³	NO _x ppb	H ₂ S ppb	Temp °C	WD deg	WS m/s
Aug-28	37.9	2.9	0.2	2.0	30.9	3.2	0.5	21.7	233.1	1.0
Aug-29	137.2	4.1	0.2	2.1	124.8	4.4	0.8	21.2	188.6	1.2
Aug-30	71.2	2.5	0.1	2.2	65.0	2.7	0.5	22.4	163.8	1.5

SESAA Stoughton Station - August 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
NO	ppb	0.5	96%	1.9	Aug-29	-	-	20.7	Aug-29 18:00	-	-
NO ₂	ppb	1.3	96%	4.0	Aug-29	106	0	11.6	Aug-29 20:00	159	0
NO _x	ppb	1.8	96%	5.9	Aug-29	-	-	32.1	Aug-29 18:00	-	-
SO ₂	ppb	0.4	96%	1.4	Aug-30	48	0	5.3	Aug-24 18:00	172	0
H ₂ S	ppb	2.4	96%	5.7	Aug-10	3.6	7	24.4	Aug-10 07:00	11	26
PM _{2.5}	µg/m ³	N/A	0%	N/A	N/A	28	N/A	N/A	N/A	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards





Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

Monthly Update

- Achieved 100% of scheduled uptime for all parameters except PM_{2.5}
- Significant forest fire activity had an impact on particulate monitoring equipment throughout the month.
- Downtime of 4% due to operational issues and routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% except PM_{2.5}

SESAA Stoughton Station - August 2015 Summary Report

Exceedance Summary (1- Hour Average - Exceedances Highlighted)

Exceedance Time	AQI	NO ₂	NO	SO ₂	PM _{2.5}	NO _x	H ₂ S	Temp	WD	WS
-	-	ppb	ppb	ppb	µg/m ³	ppb	ppb	°C	deg	m/s
Aug-01 02:00	N/A	4.1	0.3	0.1	N/A	4.4	13.8	13.6	72.2	0.8
Aug-01 03:00	N/A	4.6	1.2	0.0	N/A	5.9	15.0	13.0	92.7	1.2
Aug-01 04:00	N/A	1.7	0.4	0.1	N/A	2.1	16.4	12.7	98.4	1.4
Aug-01 07:00	N/A	3.0	1.4	0.7	N/A	4.4	13.3	13.2	107.2	1.9
Aug-03 03:00	N/A	1.4	0.2	0.0	N/A	1.6	13.6	11.2	283.2	0.4
Aug-03 04:00	N/A	1.6	0.2	0.0	N/A	1.7	16.5	10.7	300.0	0.4
Aug-03 05:00	N/A	1.3	0.3	0.0	N/A	1.6	20.2	10.1	267.6	0.4
Aug-03 06:00	N/A	1.2	0.3	-0.1	N/A	1.6	12.1	9.2	286.5	0.4
Aug-09 01:00	N/A	1.7	0.4	-0.1	N/A	2.2	11.8	13.1	52.3	0.2
Aug-09 04:00	N/A	1.9	0.4	0.1	N/A	2.4	13.1	12.3	31.6	0.2
Aug-09 05:00	N/A	5.2	3.3	0.1	N/A	8.5	17.0	11.7	82.8	0.4
Aug-09 07:00	N/A	2.9	0.7	0.0	N/A	3.6	18.3	12.3	350.3	0.5
Aug-09 08:00	N/A	1.8	0.8	0.2	N/A	2.6	13.4	15.1	2.0	0.5
Aug-10 04:00	N/A	3.3	0.2	0.0	N/A	3.5	21.7	14.3	70.2	0.9
Aug-10 06:00	N/A	6.2	1.7	0.0	N/A	7.8	20.1	12.8	80.9	0.8
Aug-10 07:00	N/A	3.4	1.4	0.1	N/A	4.7	24.4	13.5	78.6	1.3
Aug-10 08:00	N/A	3.0	2.4	0.6	N/A	5.4	15.0	16.5	107.1	1.6
Aug-13 07:00	N/A	4.0	0.4	0.1	N/A	4.5	16.4	19.6	69.7	0.6
Aug-14 04:00	N/A	2.2	0.1	1.1	N/A	2.4	17.3	17.3	81.8	2.2
Aug-14 05:00	N/A	1.4	0.1	1.0	N/A	1.5	20.5	16.8	83.8	2.0
Aug-14 06:00	N/A	2.9	0.1	1.5	N/A	3.1	17.6	17.0	87.3	2.2
Aug-14 07:00	N/A	3.6	0.6	1.5	N/A	4.3	14.7	17.8	93.5	2.1
Aug-21 05:00	N/A	2.8	0.3	0.1	N/A	3.2	11.0	10.6	79.6	0.6
Aug-29 05:00	N/A	3.9	0.3	0.1	N/A	4.2	12.3	14.6	92.2	1.6
Aug-29 06:00	N/A	2.4	0.4	0.2	N/A	2.8	13.0	15.1	96.7	1.5
Aug-29 07:00	N/A	2.4	0.4	0.2	N/A	2.8	12.1	14.8	88.8	1.7

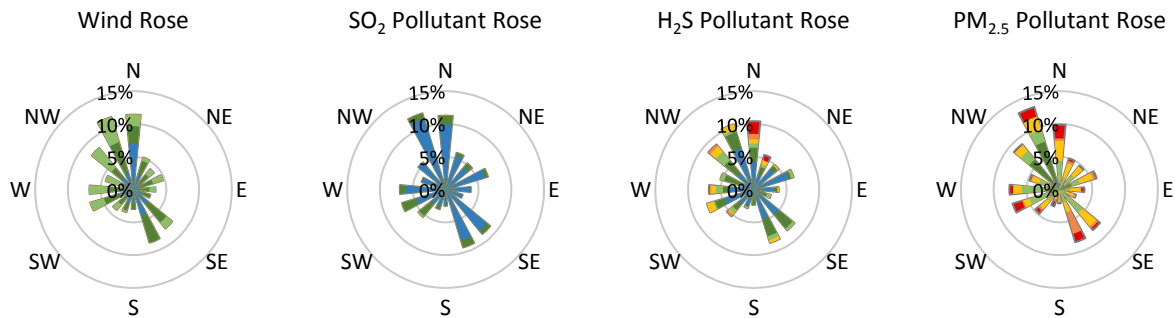
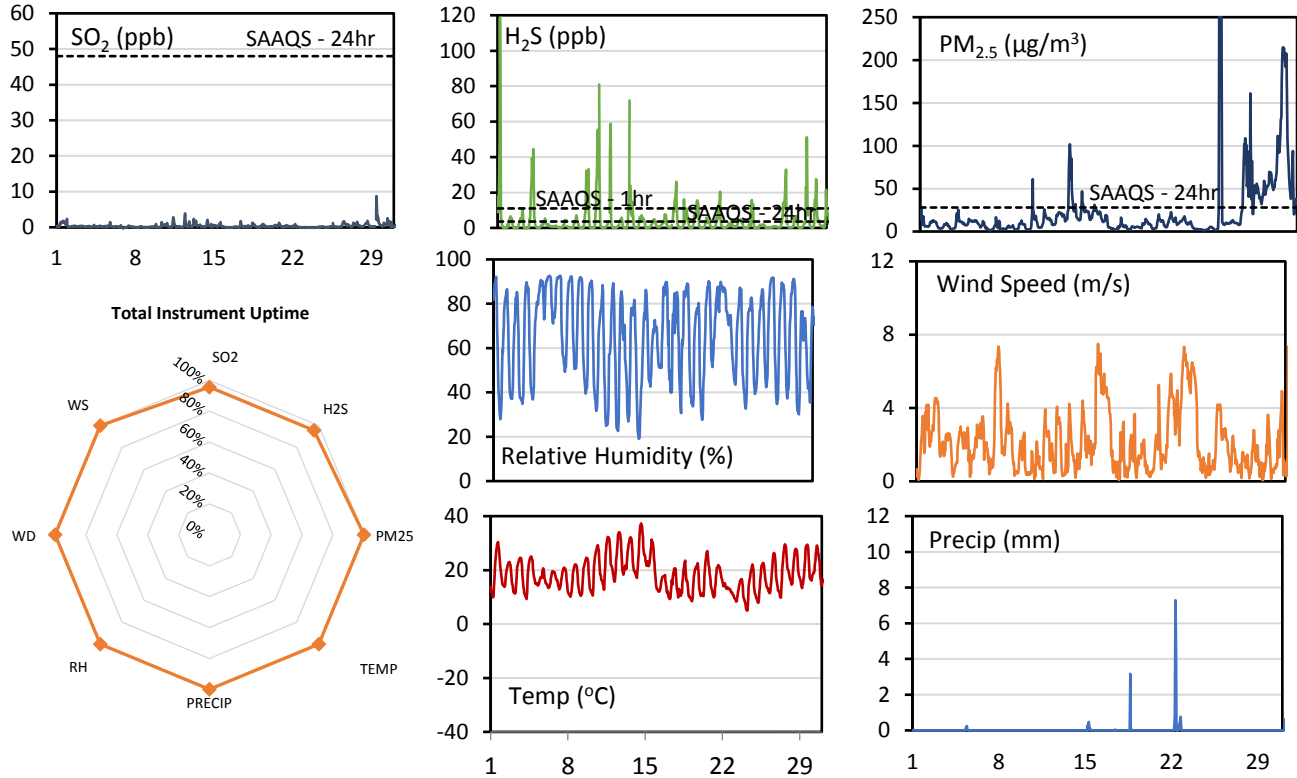
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

Exceedance Day	AQI	NO ₂	NO	SO ₂	PM _{2.5}	NO _x	H ₂ S	Temp	WD	WS
-	-	ppb	ppb	ppb	µg/m ³	ppb	ppb	°C	deg	m/s
Aug-01	N/A	1.6	0.4	0.6	N/A	1.9	4.6	21.2	178.7	1.4
Aug-03	N/A	0.7	0.2	0.0	N/A	0.9	4.3	18.4	249.9	1.1
Aug-09	N/A	1.0	0.4	0.1	N/A	1.5	5.2	19.1	197.0	0.7
Aug-10	N/A	2.3	1.4	0.3	N/A	3.6	5.7	22.0	114.7	1.4
Aug-13	N/A	1.5	0.2	0.3	N/A	1.6	3.7	26.6	121.9	1.1
Aug-14	N/A	1.7	0.2	0.6	N/A	1.9	4.9	27.6	132.4	3.0
Aug-29	N/A	4.0	1.9	0.5	N/A	5.9	4.2	20.9	127.0	1.6

SESAA Wauchope Station - August 2015 Summary Report

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc. Unit	Avg. Conc.	Total Uptime	Maximum		SAAQS Standard	Exceed Days	Maximum		SAAQS Standard	Exceed Hours
				Conc.	Time			Conc.	Time		
SO ₂	ppb	0.4	96%	1.3	Aug-29	48	0	8.8	Aug-29 11:00	172	0
H ₂ S	ppb	4.4	96%	13.9	Aug-10	3.6	13	118.7	Aug-01 05:00	11	71
PM _{2.5}	µg/m ³	22.8	100%	107.3	Aug-29	28	8	518.5	Aug-24 20:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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}	µg/m ³	0 ≤ C < 2	2 ≤ C < 4	4 ≤ C < 10	10 ≤ C < 20	20 ≤ C < 30	C ≥ 30

Monthly Update

- Achieved 100% of scheduled uptime
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues

SESAA Wauchope Station - August 2015 Summary Report

Exceedance Summary (1- Hour Average - Exceedances Highlighted)						
Exceedance Time	SO ₂ ppb	PM _{2.5} µg/m ³	H ₂ S ppb	Temp °C	WD deg	WS m/s
Aug-01 01:00	0.1	19.8	17.6	12.6	2.7	0.2
Aug-01 03:00	0.4	15.7	21.1	11.4	267.8	0.3
Aug-01 04:00	0.2	7.8	48.5	10.8	22.1	0.1
Aug-01 05:00	0.2	8.4	118.7	9.8	24.8	0.2
Aug-01 06:00	0.2	17.8	64.6	10.3	258.2	0.6
Aug-04 00:00	0.1	14.1	14.1	12.7	353.5	0.4
Aug-04 01:00	0.1	25.6	20.7	11.3	11.6	0.5
Aug-04 02:00	0.1	16.8	26.9	11.1	10.5	0.7
Aug-04 03:00	0.1	11.9	39.4	10.6	8.6	0.8
Aug-04 04:00	0.1	12.2	32.8	10.1	7.8	0.9
Aug-04 05:00	0.2	11.4	23.1	10.2	8.3	0.9
Aug-04 06:00	0.2	11.2	44.6	9.3	13.7	1.1
Aug-04 07:00	0.4	10.8	20.4	11.6	26.4	1.0
Aug-09 01:00	0.0	9.5	14.3	11.8	324.3	0.4
Aug-09 02:00	0.0	12.9	32.4	11.1	356.3	0.6
Aug-09 03:00	-0.1	9.6	28.1	10.7	358.5	0.5
Aug-09 04:00	0.1	8.6	24.8	10.5	0.7	0.5
Aug-09 05:00	0.0	8.0	19.8	10.8	348.7	0.6
Aug-09 07:00	0.0	8.5	33.0	12.4	7.7	0.7
Aug-09 23:00	0.0	61.1	12.7	14.4	319.8	0.4
Aug-10 00:00	0.0	25.5	24.5	13.1	21.1	0.5
Aug-10 01:00	0.0	22.2	29.1	12.8	336.2	0.4
Aug-10 02:00	0.0	15.2	43.2	12.1	351.0	0.4
Aug-10 03:00	0.0	13.6	55.4	11.5	22.1	0.4
Aug-10 04:00	0.1	15.7	43.4	11.5	338.5	0.5
Aug-10 06:00	0.0	13.7	80.9	10.5	347.9	0.5
Aug-10 07:00	0.2	11.4	28.8	13.7	326.2	0.4
Aug-11 06:00	0.0	15.8	43.3	12.7	354.6	0.4
Aug-11 07:00	0.4	15.2	58.8	13.3	227.5	0.1
Aug-12 22:00	0.3	101.7	11.5	21.2	325.5	0.3
Aug-13 00:00	0.2	60.9	14.9	18.7	263.2	0.3
Aug-13 01:00	0.1	84.8	71.9	18.3	352.3	0.5
Aug-13 03:00	0.3	38.4	23.7	20.1	356.4	0.9
Aug-13 04:00	0.8	31.2	11.8	21.6	8.0	2.1
Aug-13 07:00	0.9	24.7	14.7	20.5	305.4	0.7
Aug-17 03:00	0.1	6.6	13.2	9.8	324.4	0.8
Aug-17 04:00	0.0	6.5	16.6	9.8	287.0	0.8
Aug-17 05:00	-0.1	5.2	16.6	9.2	268.2	1.1
Aug-17 06:00	0.1	5.6	21.7	9.4	2.1	0.2
Aug-17 07:00	0.0	5.9	26.1	10.0	18.1	0.6
Aug-17 08:00	0.2	7.3	14.6	11.8	18.2	1.0
Aug-18 00:00	0.0	5.4	16.0	9.9	339.3	0.8
Aug-19 04:00	0.4	8.8	15.0	8.9	358.4	1.3
Aug-19 05:00	0.2	8.7	15.6	8.6	4.3	1.4
Aug-19 06:00	0.4	8.4	14.8	8.5	5.9	1.2
Aug-19 07:00	0.7	8.7	12.6	9.5	359.9	1.4
Aug-21 04:00	0.2	11.4	12.7	10.5	4.3	1.3

SESAA Wauchope Station - August 2015 Summary Report

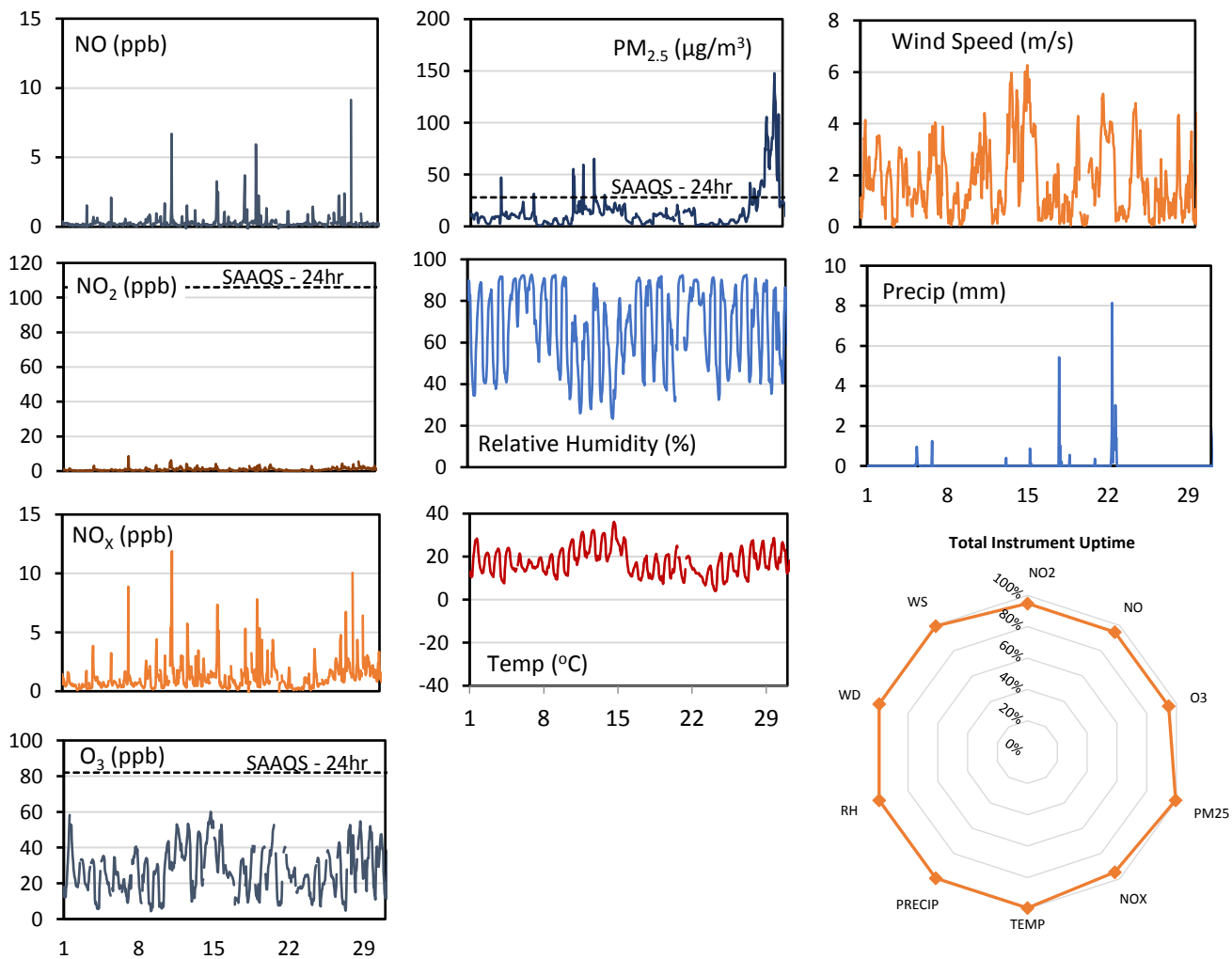
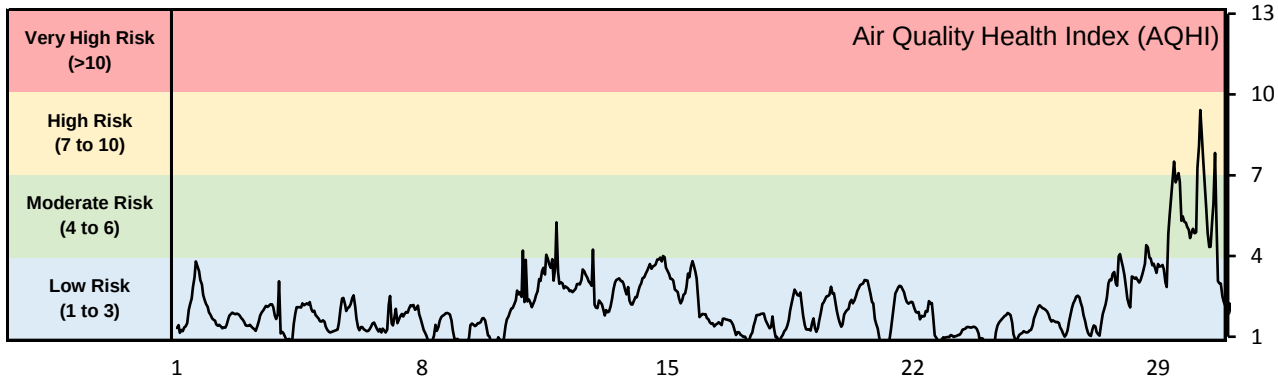
Exceedance Summary (1- Hour Average - Exceedances Highlighted)						
Exceedance Time	SO ₂ ppb	PM _{2.5} µg/m ³	H ₂ S ppb	Temp °C	WD deg	WS m/s
Aug-21 05:00	0.2	11.4	13.9	9.9	359.8	1.1
Aug-21 06:00	0.2	12.8	15.2	10.1	359.2	1.0
Aug-21 07:00	0.3	12.7	20.5	10.4	14.2	1.5
Aug-24 04:00	0.0	5.3	15.8	5.2	348.2	0.8
Aug-24 05:00	0.0	5.5	12.2	5.8	325.6	0.9
Aug-24 07:00	0.1	4.0	13.4	5.5	16.4	0.6
Aug-27 01:00	0.4	57.0	14.1	12.5	6.1	1.1
Aug-27 02:00	0.4	57.7	13.3	12.2	9.9	1.0
Aug-27 03:00	0.3	50.2	12.5	12.0	348.0	0.5
Aug-27 04:00	0.1	40.5	11.9	11.6	304.5	0.5
Aug-27 05:00	0.2	93.5	19.9	10.4	344.1	0.6
Aug-27 06:00	0.1	70.0	24.9	10.1	354.9	0.5
Aug-27 07:00	0.1	161.2	32.8	9.7	18.0	0.7
Aug-29 03:00	0.2	48.4	23.0	14.5	113.5	0.1
Aug-29 04:00	0.3	52.7	21.8	14.1	68.2	0.1
Aug-29 05:00	0.3	52.0	51.1	13.3	285.2	0.2
Aug-29 06:00	0.2	60.0	12.2	14.5	207.6	0.4
Aug-29 07:00	0.3	59.9	12.4	14.9	246.8	1.0
Aug-29 22:00	0.4	209.0	13.5	17.2	9.6	0.5
Aug-29 23:00	0.3	214.0	16.3	16.9	349.9	0.6
Aug-30 00:00	0.2	204.9	12.7	16.4	359.4	0.7
Aug-30 01:00	0.5	200.5	27.4	16.1	17.7	0.5
Aug-30 02:00	0.5	192.2	23.2	16.2	10.1	0.7
Aug-30 23:00	0.2	38.3	21.5	14.4	357.7	0.3

Exceedance Summary (24- Hour Average - Exceedances Highlighted)						
Exceedance Time	SO ₂ ppb	PM _{2.5} µg/m ³	H ₂ S ppb	Temp °C	WD deg	WS m/s
Aug-01	1.0	10.3	13.6	20.4	164.5	2.2
Aug-04	0.2	11.2	10.4	18.0	98.7	1.8
Aug-09	0.1	9.0	8.4	17.9	228.3	1.2
Aug-10	0.5	12.2	13.9	20.4	226.6	0.9
Aug-11	0.5	13.2	5.9	23.1	201.6	1.8
Aug-12	0.6	30.0	2.6	24.8	247.6	1.8
Aug-13	0.7	28.9	7.9	25.2	160.4	1.5
Aug-17	0.2	5.4	6.5	14.4	166.6	1.1
Aug-18	0.3	6.6	4.1	15.1	170.9	1.2
Aug-19	0.3	7.4	4.7	15.3	161.8	1.2
Aug-21	0.3	12.4	4.4	16.5	83.3	3.2
Aug-24	0.0	85.9	3.2	13.5	240.4	0.8
Aug-26	0.6	34.5	0.9	17.7	163.2	1.8
Aug-27	0.6	56.0	6.9	19.5	175.0	1.0
Aug-28	0.6	50.1	2.2	20.9	209.6	1.2
Aug-29	1.3	107.3	7.8	20.6	207.6	1.2
Aug-30	0.8	86.8	5.8	21.4	201.4	1.8

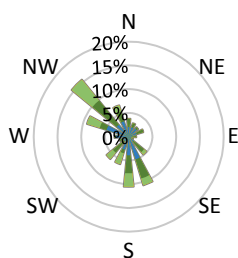
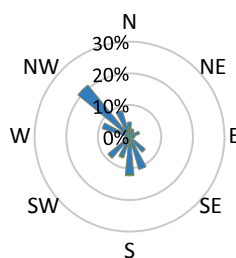
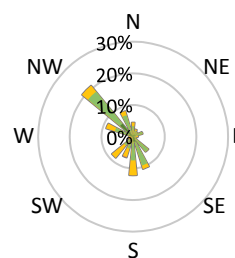
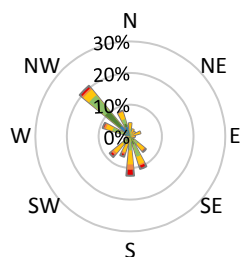
SESAA Wawota Station - August 2015 Summary Report

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	0.3	95%	0.6	Aug-19	-	-	9.1	Aug-28 11:00	-	-
NO ₂	ppb	0.9	95%	1.9	Aug-29	106	0	8.6	Aug-07 06:00	159	0
NO _x	ppb	1.2	95%	2.3	Aug-11	-	-	11.9	Aug-11 09:00	-	-
O ₃	ppb	27.8	95%	47.3	Aug-14	-	-	60.0	Aug-14 17:00	82	0
PM _{2.5}	µg/m ³	14.1	99%	71.3	Aug-30	28	2	147.8	Aug-30 05:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



Wind Rose


NO₂ Pollutant Rose

O₃ Pollutant Rose

PM_{2.5} Pollutant Rose


Parameters	Unit	Color Code for Wind Speed and Pollution Concentration Class						
Wind Speed	m/s	$0.3 \leq WS < 1.4$	$1.4 \leq WS < 3.1$	$3.1 \leq WS < 7.8$	$7.8 \leq WS < 10.8$	$10.8 \leq WS < 13.6$	$WS \geq 13.6$	
O ₃	ppb	$0 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 40$	$40 \leq C < 60$	$60 \leq C < 82$	$C \geq 82$	
NO ₂	ppb	$0 \leq C < 5$	$5 \leq C < 15$	$15 \leq C < 30$	$30 \leq C < 100$	$100 \leq C < 212$	$C \geq 212$	
PM _{2.5}	$\mu\text{g}/\text{m}^3$	$0 \leq C < 2$	$2 \leq C < 4$	$4 \leq C < 10$	$10 \leq C < 20$	$20 \leq C < 30$	$C \geq 30$	

Monthly Update

- Achieved >99% of scheduled uptime for all parameters
- Downtime of 4% results from routine daily Internal Zeroes and Spans
- All compliance parameters are above 90% data validity; no operational issues

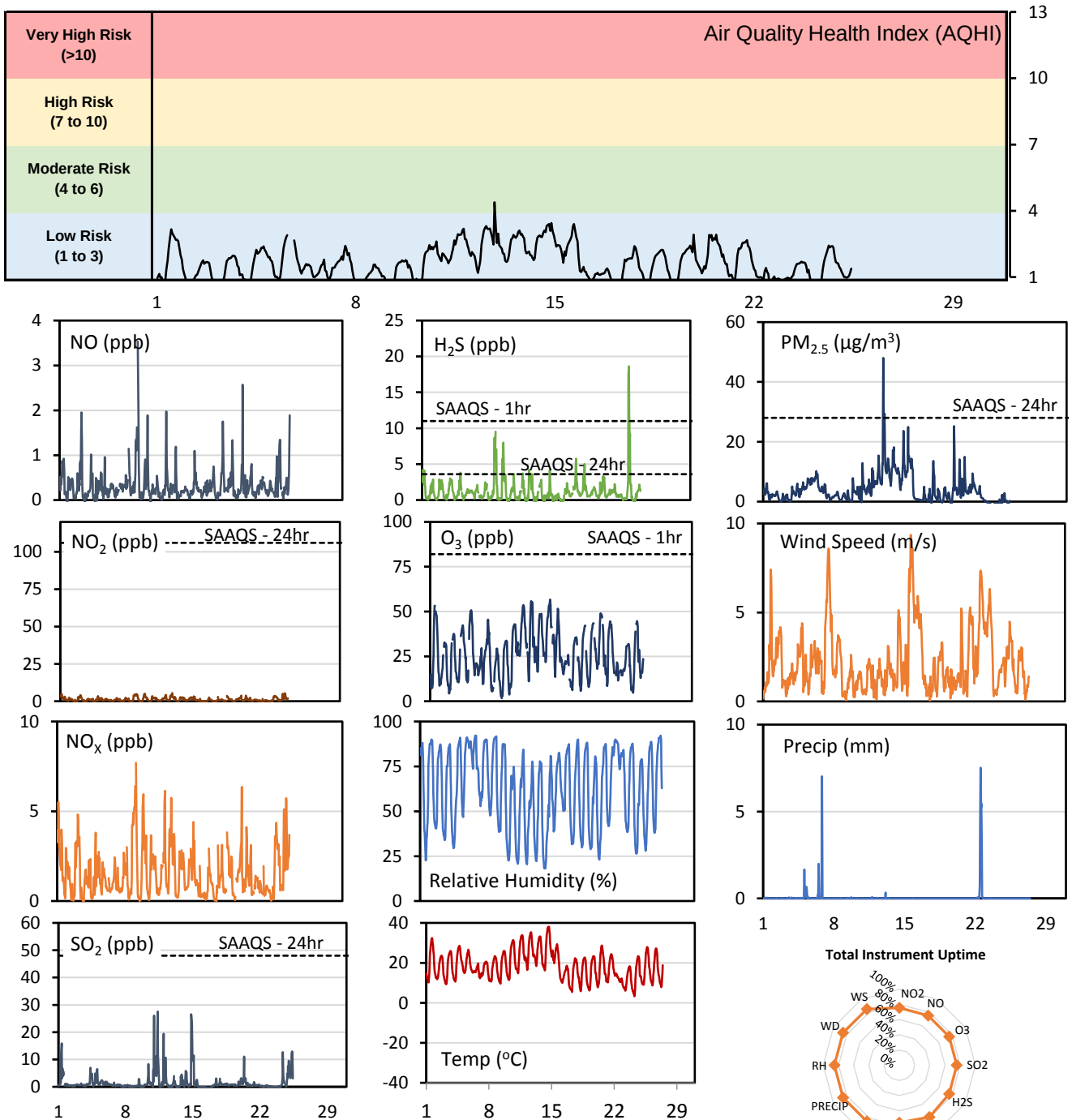
Exceedance Summary (24- Hour Average - Exceedances Highlighted)

Exceedance Time	AQI	NO ₂ ppb	NO ppb	O ₃ ppb	PM _{2.5} $\mu\text{g}/\text{m}^3$	NO _x ppb	Temp °C	WD deg	WS m/s
Aug-29	5.1	1.9	0.2	34.4	66.0	2.1	20.2	199.5	1.4
Aug-30	5.2	1.6	0.2	31.9	71.3	1.7	20.1	214.3	1.3

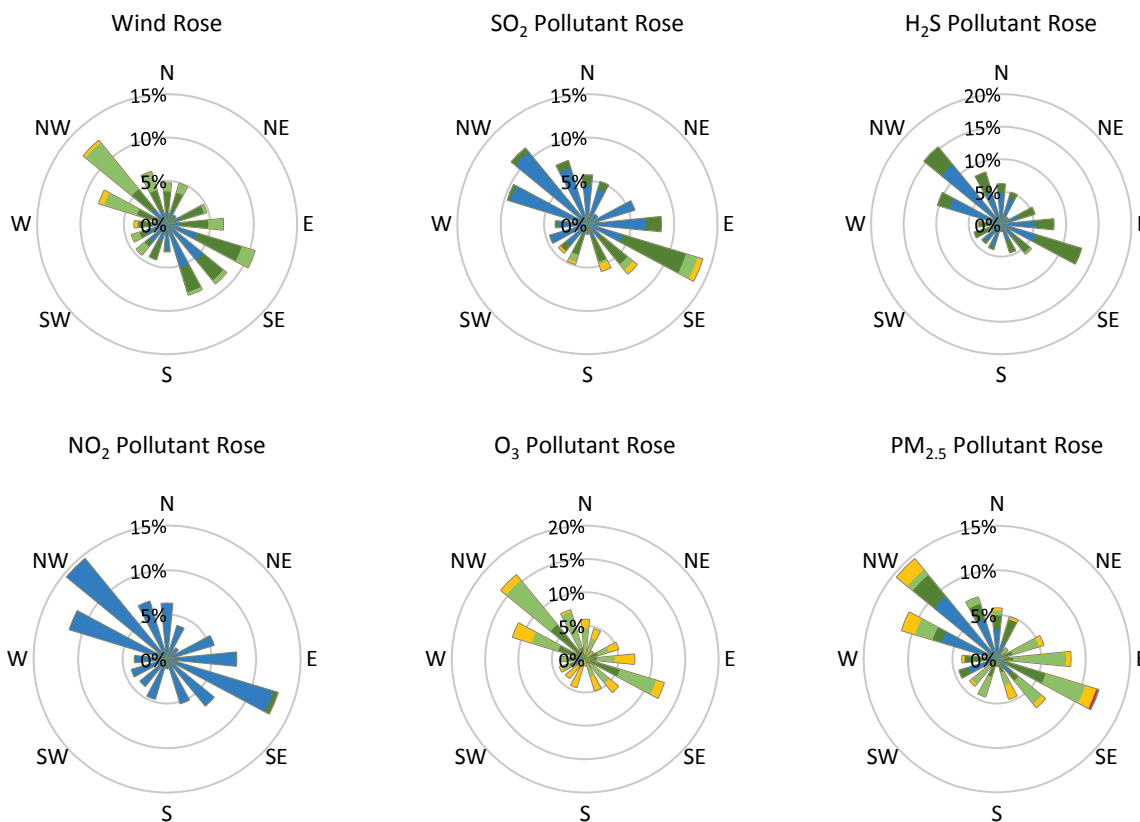
SESAA Weyburn Station - August 2015 Summary Report

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	0.3	76%	0.7	Aug-09	-	-	3.5	Aug-09 07:00	-	-
NO ₂	ppb	1.2	76%	2.6	Aug-25	106	0	5.4	Aug-13 00:00	159	0
NO _x	ppb	1.5	76%	3.2	Aug-25	-	-	7.7	Aug-09 07:00	-	-
SO ₂	ppb	1.6	76%	7.2	Aug-25	48	0	27.5	Aug-11 08:00	172	0
H ₂ S	ppb	1.3	76%	3.4	Aug-24	3.6	0	18.6	Aug-24 03:00	11	3
O ₃	ppb	26.4	76%	40.4	Aug-14	-	-	56.7	Aug-14 18:00	82	0
PM _{2.5}	µg/m ³	4.1	79%	12.1	Aug-13	28	0	48.0	Aug-12 21:00	-	-

SAAQS: Saskatchewan Ambient Air Quality Standards



SESAA Weyburn Station - August 2015 Summary Report



Parameters	Unit	Color Code for Wind Speed and Pollution Concentration 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	$0 \leq C < 1$	$1 \leq C < 3.6$	$3.6 \leq C < 5$	$5 \leq C < 8$	$8 \leq C < 10.8$	$C \geq 10.8$	
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}	µg/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

- Achieved scheduled uptime of 76%
- Operational issues resulted in 21% downtime
- Downtime of 3% results from routine daily Internal Zeroes and Spans

Exceedance Summary (1- Hour Average - Exceedances Highlighted)

Exceedance Time	AQHI	NO ₂	NO	SO ₂	O ₃	NO _x	H ₂ S	PM _{2.5}	Temp	WD	WS
	-	ppb	ppb	ppb	ppb	ppb	ppb	µg/m ³	°C	deg	m/s
Aug-24 02:00	0.6	3.0	0.8	-0.1	6.0	3.8	17.7	-0.7	5.7	189.0	0.6
Aug-24 03:00	0.7	3.2	0.1	0.4	7.7	3.3	18.6	-0.7	5.4	187.6	0.6
Aug-24 04:00	0.6	2.7	0.3	0.5	6.4	3.0	12.0	-0.9	4.5	113.5	0.6