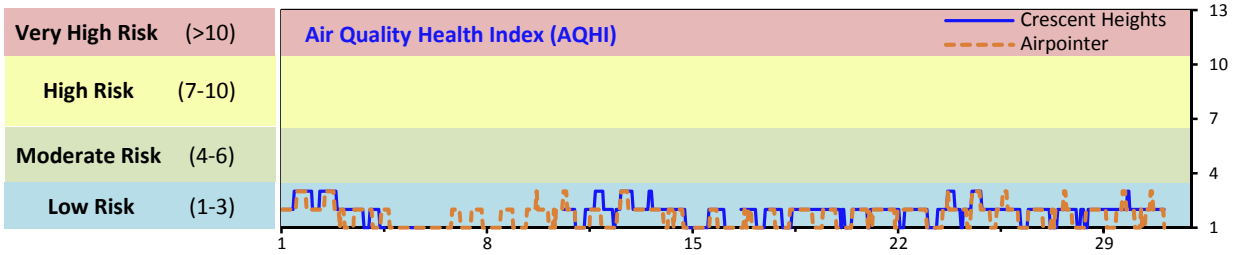
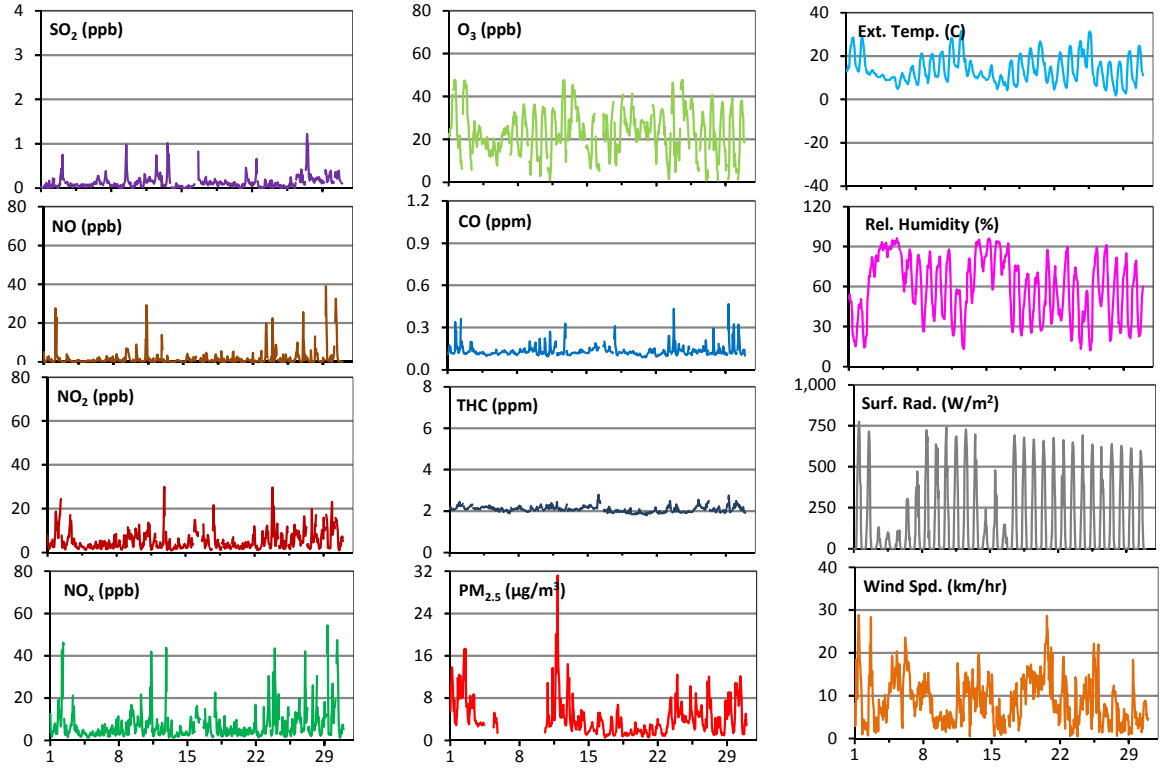
Palliser Airshed Society - September 2015 Summary Report

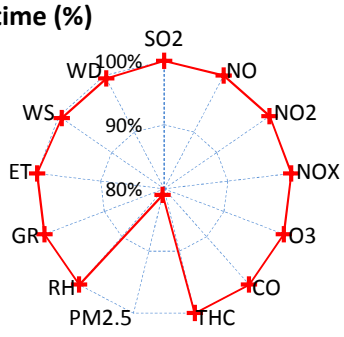
Continuous Sampling Results - Crescent Heights Station

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc Unit	Avg. Conc.	Uptime	Maximum Conc	Maximum Time	AAAQO Objective	Exceed No.	Maximum Conc	Maximum Time	AAAQO Objective	Exceed No.
SO_2	ppb	< 1	100.0%	< 1	Sep-27	48	0	1	Sep-27 12:00	172	0
NO	ppb	1.8	100.0%	6.3	Sep-30	-	-	39.0	Sep-29 8:00	-	-
NO_2	ppb	5.3	100.0%	9.6	Sep-29	-	-	30.0	Sep-12 21:00	159	0
NO_X	ppb	7.2	100.0%	14.9	Sep-29	-	-	54.5	Sep-29 8:00	-	-
O_3	ppb	23	100.0%	33	Sep-13	-	-	48	Sep-24 16:00	82	0
CO	ppm	0.1	100.0%	0.2	Sep-29	-	-	0.5	Sep-29 8:00	13	0
THC	ppm	2.1	100.0%	2.2	Sep-26	-	-	2.8	Sep-16 3:00	-	-
$PM_{2.5}$	µg/m³	4	81.0%	9	Sep-2	30	0	31	Sep-11 21:00	-	-

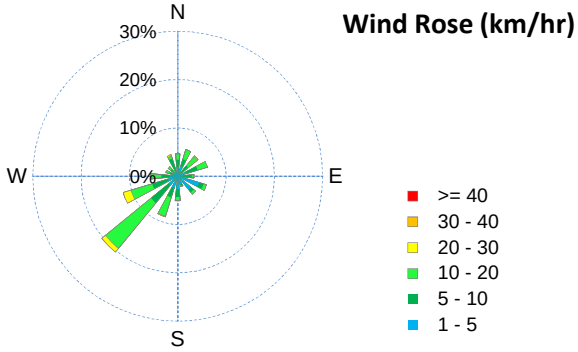




Instrument Uptime (%)



Wind Rose (km/hr)



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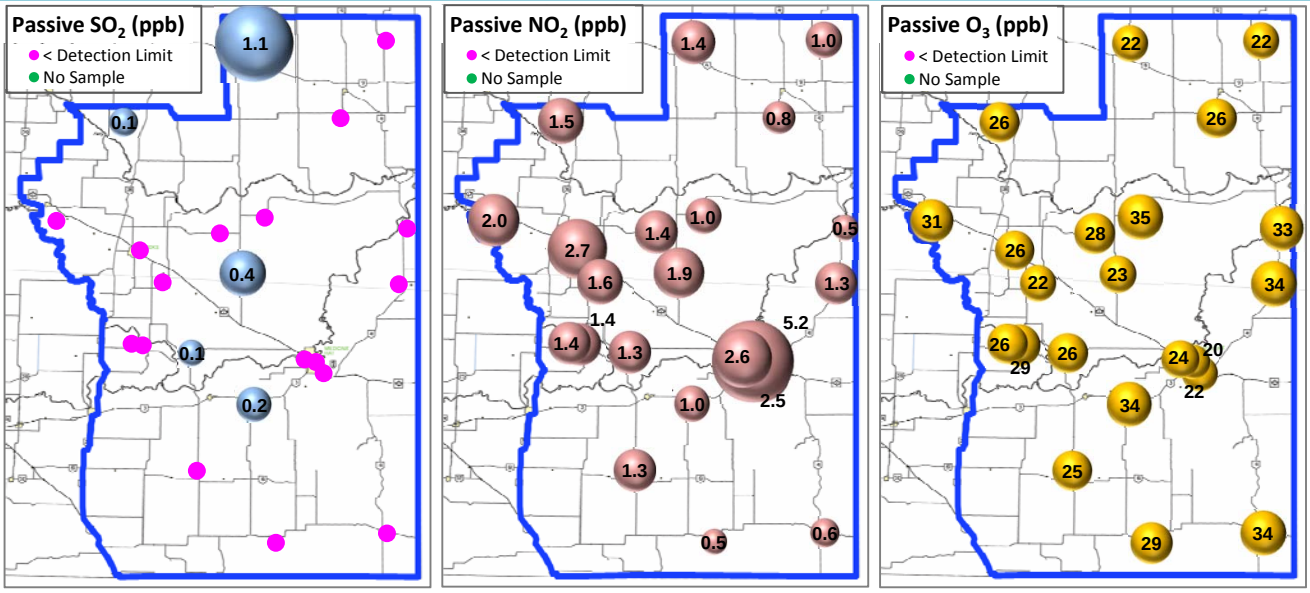
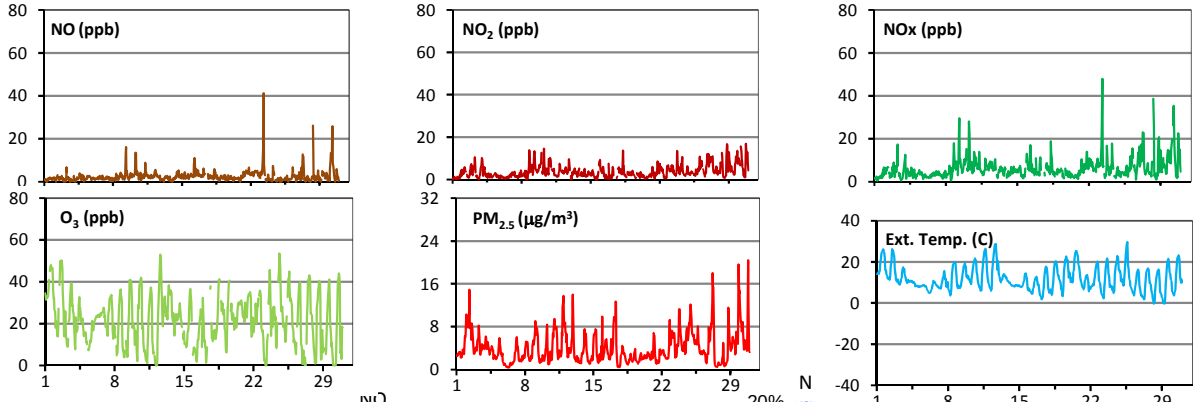
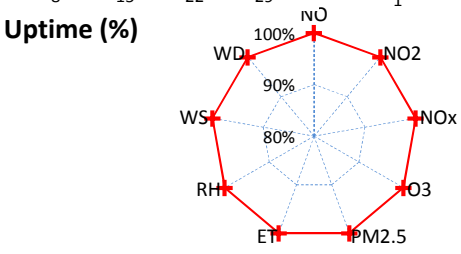
Passive Sampling Results

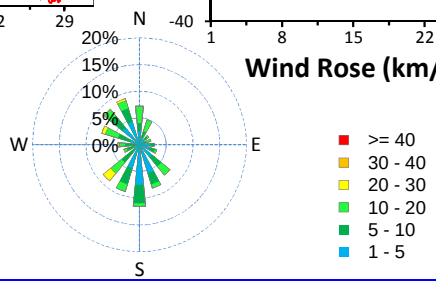


Continuous Sampling Results - Brooks Station

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc Unit	Avg. Conc.	Uptime	Maximum Conc	Maximum Time	AAAQO Objective	Exceed No.	Maximum Conc	Maximum Time	AAAQO Objective	Exceed No.
NO	ppb	2.5	100.0%	5.8	Sep-30	-	-	41.2	Sep-23 8:00	-	-
NO_2	ppb	3.7	100.0%	7.9	Sep-30	-	-	16.8	Sep-30 18:00	159	0
NOx	ppb	6.2	100.0%	13.6	Sep-30	-	-	47.9	Sep-23 8:00	-	-
O_3	ppb	22	100.0%	38	Sep-1	-	-	54	Sep-24 15:00	82	0
$PM_{2.5}$	ug/m3	4	100.0%	7	Sep-2	30	0	20	Sep-30 20:00	-	-







Monthly Update

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

*The measured ambient concentrations of all parameters are within the AAAQO.

*All compliance parameters are above 90% operational, with the exception of the PM2.5 analyzer at the Crescent Heights station. The analyzer was malfunctioning Sept 4-10 due to a shorted circuit board caused by water intrusion from the sample inlet.