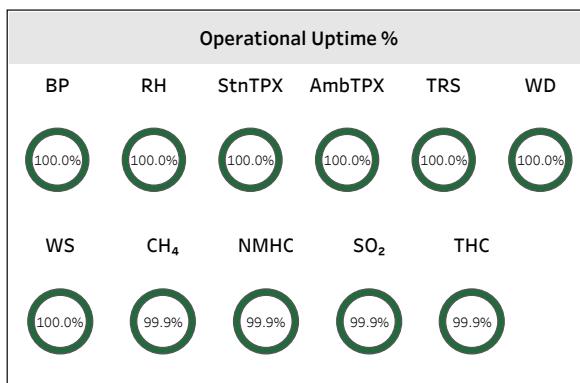
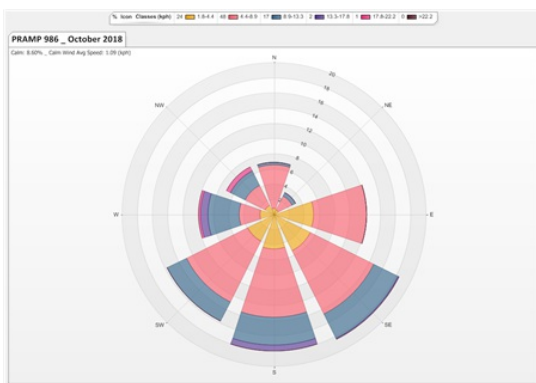


Peace River Area Monitoring Program Committee - 986b Station October 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems, were above 90%.

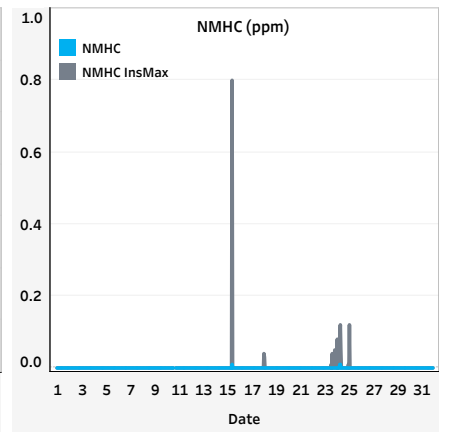
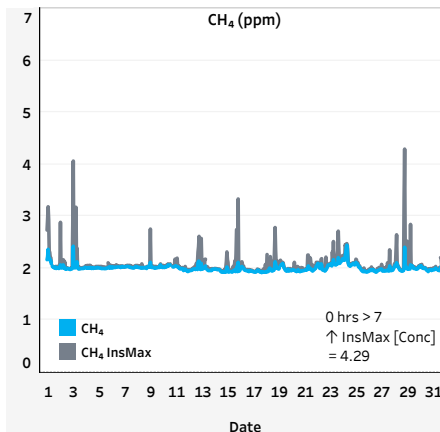
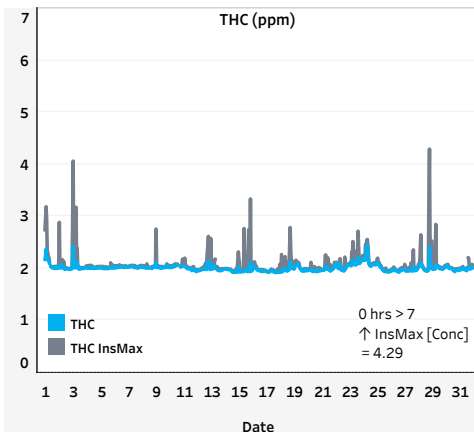
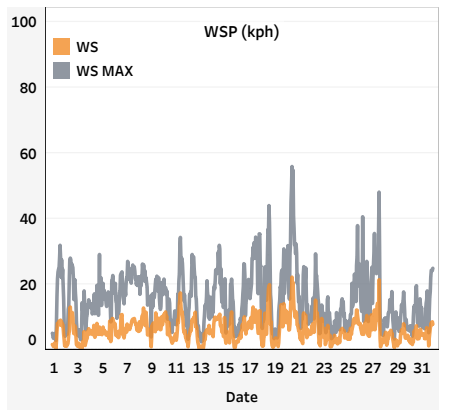
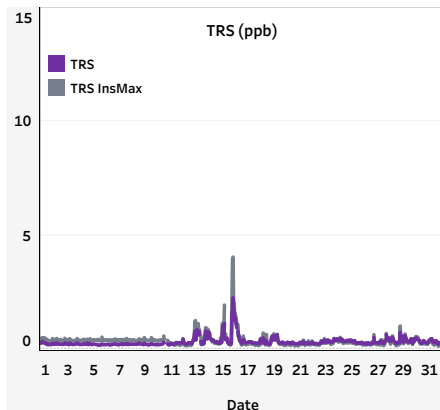
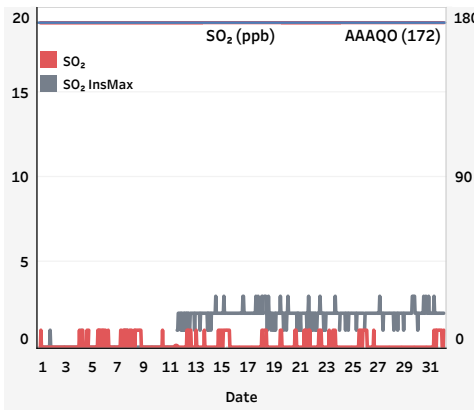
Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - 986b	SO ₂	ppb	0	99.9%	1	Oct 1 Hr1	1.5	107 (ESE)	0	1	Oct 7	0
	TRS	ppb	0.31	100.0%	2.25	Oct 15 Hr22	1.7	148 (SE)	-	0.69	Oct 15	-
	THC	ppm	2.00	99.9%	2.45	Oct 24 Hr8	3.6	119 (ESE)	-	2.15	Oct 24	-
	CH ₄	ppm	2.00	99.9%	2.44	Oct 24 Hr8	3.6	119 (ESE)	-	2.15	Oct 24	-
	NMHC	ppm	0.00	99.9%	0.01	Oct 15 Hr10	2.1	245 (WSW)	-	0.00	Oct 1	-
	WS	kph	1.9	100.0%	22.1	Oct 20 Hr12	22.1	277 (W)	-	10.6	Oct 20	-
	WD	degree	194 (SSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	67	100.0%	100	Oct 29 Hr23	3.6	121 (ESE)	-	91	Oct 12	-
	BP	mbar	943	100.0%	957	Oct 9 Hr10	11.2	140 (SE)	-	955	Oct 9	-
	AmbTPX	°C	3.1	100.0%	19.3	Oct 17 Hr13	12.1	250 (WSW)	-	14.2	Oct 17	-
	StnTPX	°C	23.1	100.0%	24.6	Oct 19 Hr9	1.0	202 (SSW)	-	23.7	Oct 1	-



Canister Events

None Year to Date

Operational Summary_ SO₂: Uptime was 99.9% = 1 hr of downtime. The analyzer was placed offline on Oct 10 for sample manifold cleaning (-1 hr). **THC/CH₄/NMHC:** Uptime was 99.9% = 1 hr of downtime. Fuel gas (H₂) and carrier gas (N₂) cylinders were replaced on Oct 1 (-1 hr). **Canister:** No events recorded this month.

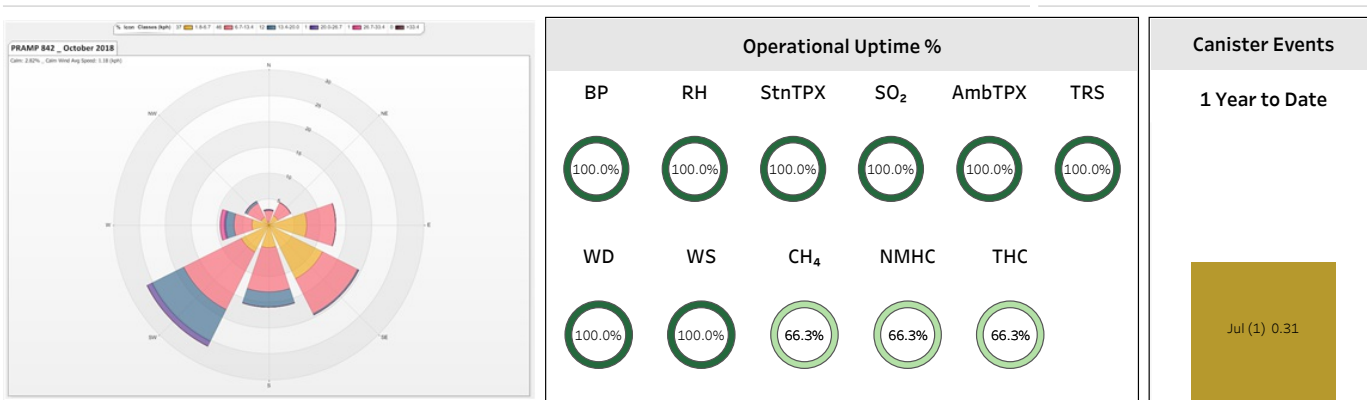


* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.

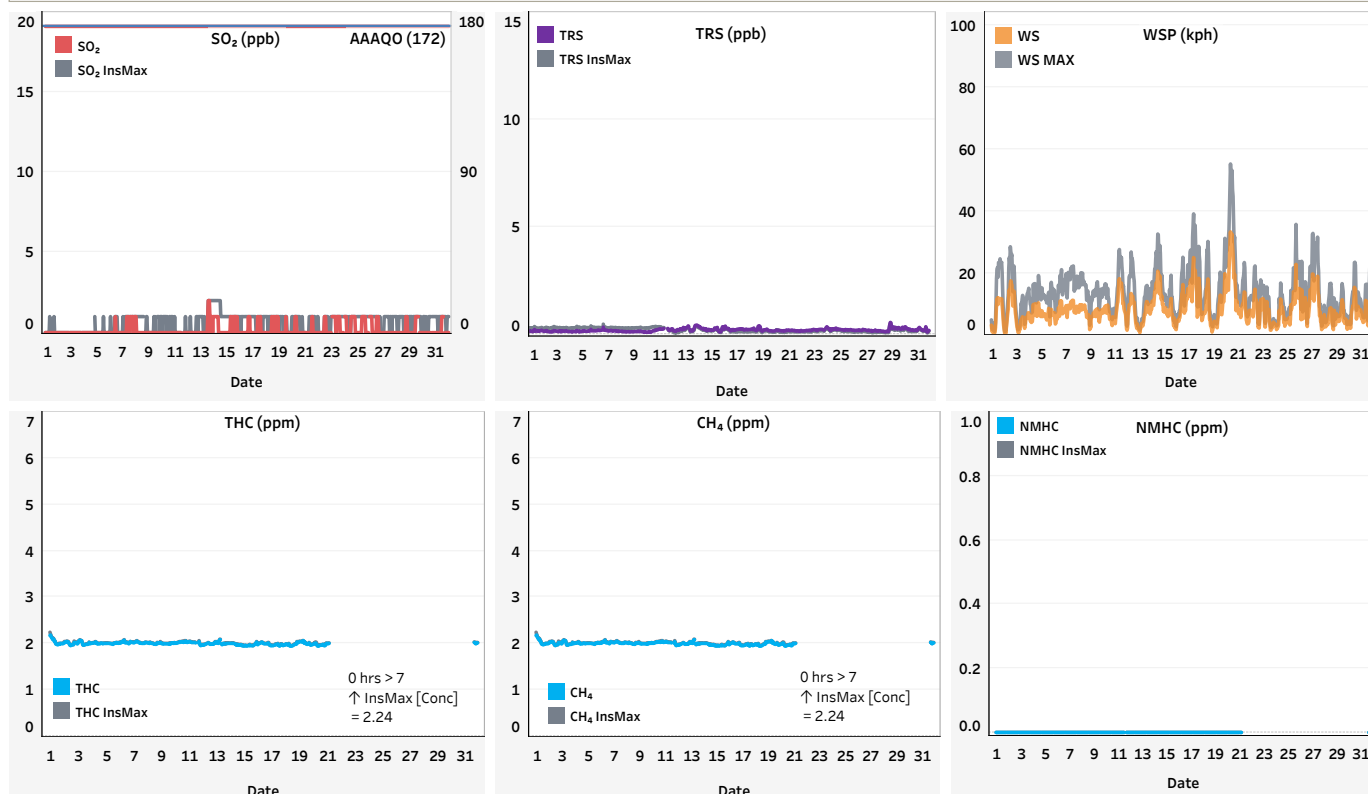
Peace River Area Monitoring Program Committee - 842b Station October 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- With the exception of THC/CH₄/NMHC, the operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max		WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
					[Conc]	Max Date						
PRAMP-842b	SO ₂	ppb	0	100.0%	2	Oct 13 Hr12	6.6	280 (W)	0	1	Oct 13	0
	TRS	ppb	0.20	100.0%	0.56	Oct 28 Hr23	6.2	231 (SW)	-	0.31	Oct 29	-
	THC	ppm	2.00	66.3%	2.18	Oct 1 Hr1	1.4	78 (ENE)	-	2.04	Oct 1	-
	CH ₄	ppm	2.00	66.3%	2.18	Oct 1 Hr1	1.4	78 (ENE)	-	2.04	Oct 1	-
	NMHC	ppm	0.00	66.3%	0.00	Oct 1 Hr0	3.2	110 (ESE)	-	0.00	Oct 1	-
	WS	kph	3.8	100.0%	33.3	Oct 20 Hr11	33.3	255 (WSW)	-	18.6	Oct 20	-
	WD	degree	204 (SSW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	66	100.0%	96	Oct 12 Hr7	9.8	352 (N)	-	91	Oct 12	-
	BP	mbar	944	100.0%	957	Oct 9 Hr7	7.1	107 (ESE)	-	956	Oct 9	-
	AmbTPX	°C	2.4	100.0%	18.4	Oct 17 Hr13	17.1	235 (SW)	-	13.0	Oct 17	-
	StnTPX	°C	22.5	100.0%	23.3	Oct 5 Hr16	8.6	313 (NW)	-	22.7	Oct 3	-



Operational Summary_ THC/CH₄/NMHC: Uptime was 66.3% = 251 hrs of downtime (AEP reference # 346425). Shut-down calibration on Oct 31 did not meet stability requirements due to poor injections. Data discarded back to the point of failed performance on Oct 21 @ 06:00 (-251 hrs). **Canister:** No events recorded this month.

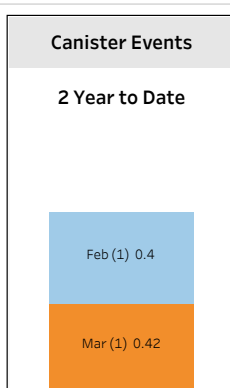
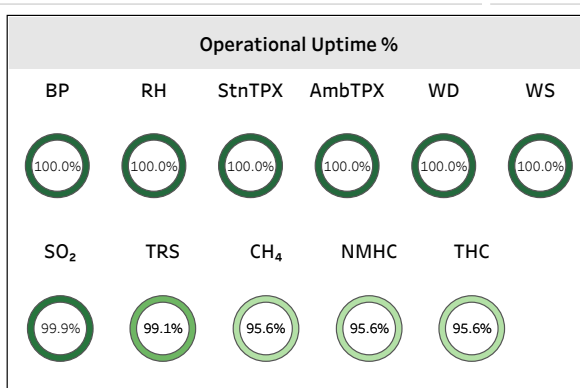
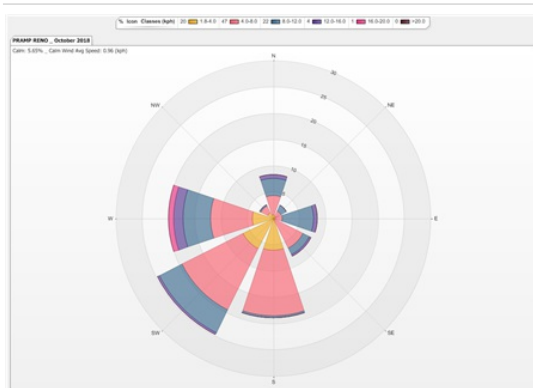


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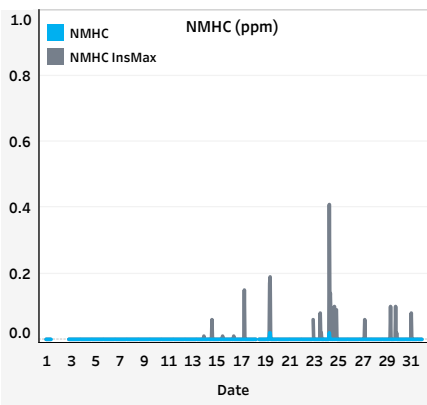
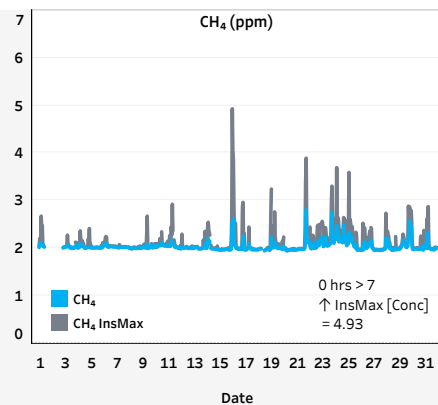
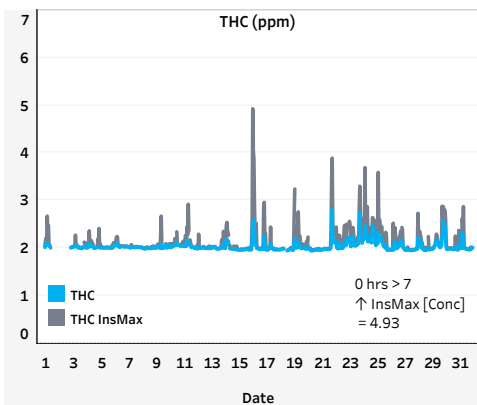
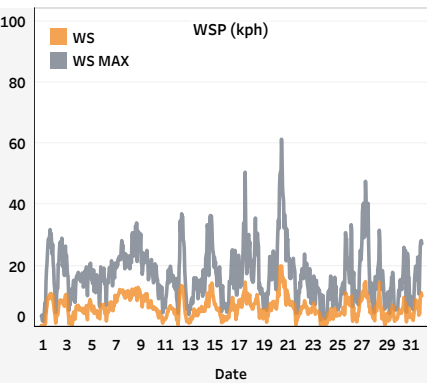
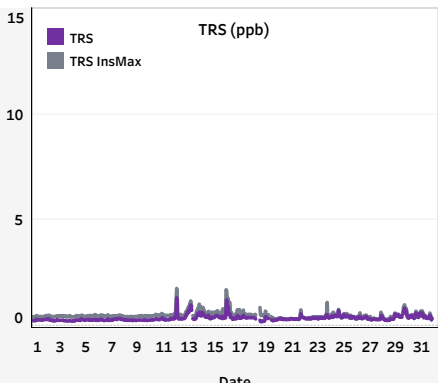
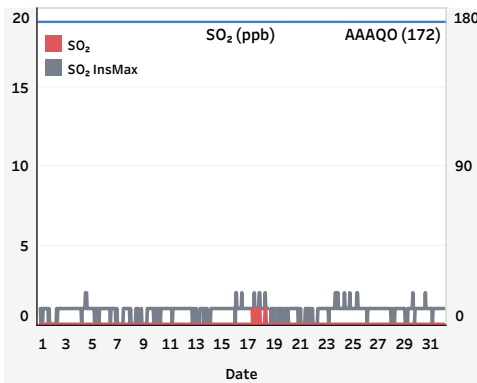
Peace River Area Monitoring Program Committee - Reno Station October 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2018).
- The operational times for all continuous ambient air analyzers, meteorological systems and data acquisition systems, were above 90%.

Station	Pollutant	Unit	AVG [Conc]	Uptime	Hourly Max [Conc]	Max Date	WS	WD	# Hrs >172 AAAQO	24-Hr Max [Conc]	24-Hr Avg Max Date	# Days >48 AAAQO
PRAMP - Reno	SO ₂	ppb	0	99.9%	1	Oct 17 Hr6	9.0	218 (SW)	0	0	Oct 1	0
	TRS	ppb	0.37	99.1%	1.34	Oct 12 Hr4	2.8	16 (NNE)	-	0.57	Oct 13	-
	THC	ppm	2.03	95.6%	2.81	Oct 21 Hr19	2.3	199 (SSW)	-	2.21	Oct 24	-
	CH ₄	ppm	2.03	95.6%	2.81	Oct 21 Hr19	2.3	199 (SSW)	-	2.20	Oct 24	-
	NMHC	ppm	0.00	95.6%	0.02	Oct 19 Hr10	3.3	184 (S)	-	0.00	Oct 1	-
	WS	kph	2.2	100.0%	19.9	Oct 20 Hr13	19.9	263 (W)	-	11.7	Oct 20	-
	WD	degree	217 (SW)	100.0%	-	-	-	-	-	-	-	-
	RH	%	63	100.0%	94	Oct 29 Hr1	2.8	218 (SW)	-	87	Oct 12	-
	BP	mbar	939	100.0%	953	Oct 9 Hr11	10.1	117 (ESE)	-	951	Oct 9	-
	AmbTPX	°C	2.7	100.0%	19.8	Oct 17 Hr13	12.4	244 (WSW)	-	12.9	Oct 17	-
	StnTPX	°C	22.1	100.0%	23.7	Oct 18 Hr13	10.5	264 (W)	-	23.2	Oct 17	-



Operational Summary_ SO₂: Uptime was 99.9% = 1 hr of downtime. An additional zero-span check was triggered at hour 08:00 on Oct 19 to assess span response (-1 hr). **TRS:** Uptime was 99.1% = 7 hrs of downtime. Monthly calibration aborted on Oct 18 due to Low point failure. Problem traced to calibration gas. Calibration successfully completed on Oct 19 using alternate calibration gas (-7 hrs). **THC/CH₄/NMHC:** Uptime was 95.6% = 33 hrs of downtime. The analyzer failed to relight after a gas exchange event on Oct 1, due to a configuration error. Problem was fixed remotely on Oct 2 (-33 hrs). **Canister:** No events recorded this month.



* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.