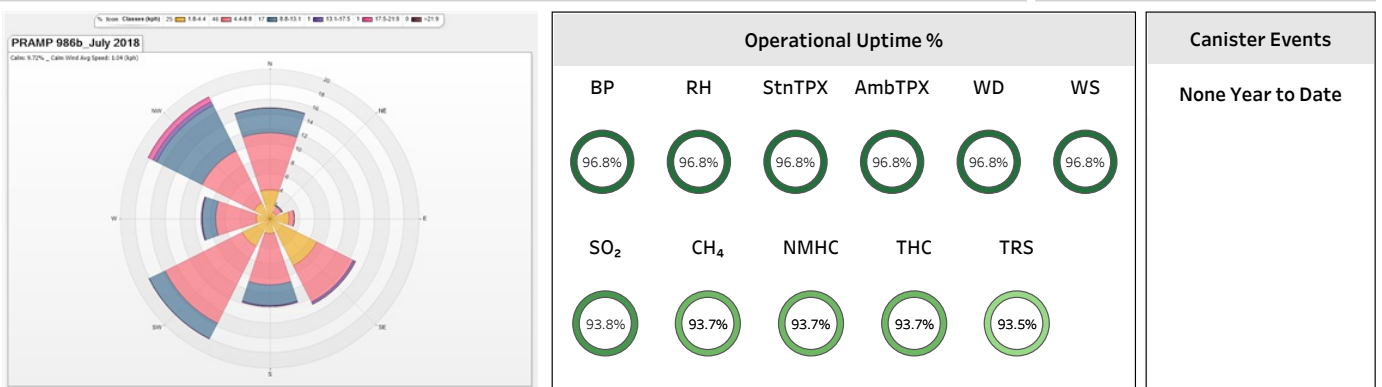


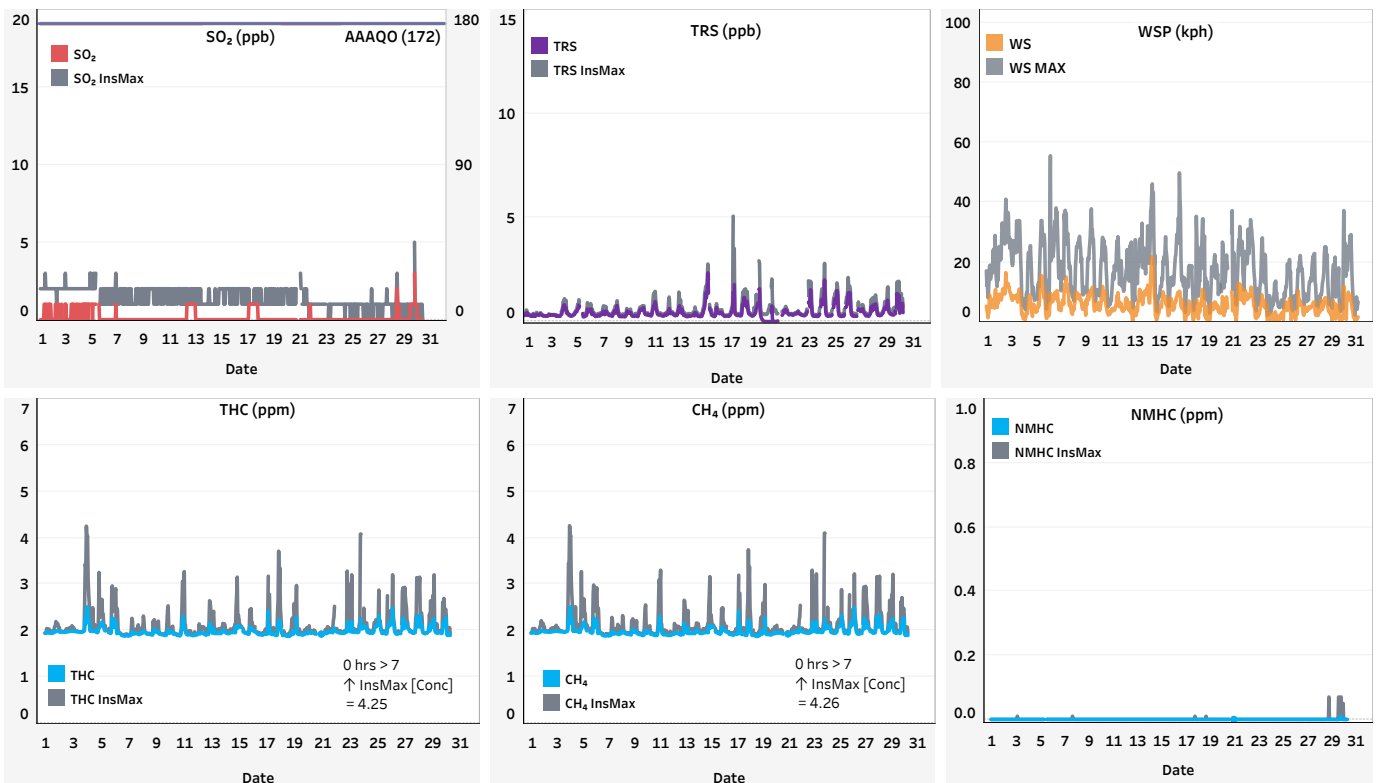
## Peace River Area Monitoring Program Committee - 986b Station July 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- 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 - 986b	SO <sub>2</sub>	ppb	0	93.8%	3	Jul 29 Hr17	2.0	279 (W)	0	1	Jul 4	0
	TRS	ppb	0.43	93.5%	2.34	Jul 15 Hr5	4.9	109 (ESE)	-	0.72	Jul 15	-
	THC	ppm	1.98	93.7%	2.51	Jul 4 Hr2	2.4	333 (NNW)	-	2.09	Jul 4	-
	CH <sub>4</sub>	ppm	1.98	93.7%	2.51	Jul 4 Hr2	2.4	333 (NNW)	-	2.09	Jul 4	-
	NMHC	ppm	0.00	93.7%	0.01	Jul 29 Hr19	0.5	279 (W)	-	0.00	Jul 1	-
	WS	kph	1.9	96.8%	21.8	Jul 14 Hr11	21.8	305 (WN..)	-	10.5	Jul 2	-
	WD	degree	276 (W)	96.8%	-	-	-	-	-	-	-	-
	RH	%	73	96.8%	100	Jul 1 Hr22	7.6	317 (NW)	-	96	Jul 31	-
	BP	mbar	945	96.8%	956	Jul 23 Hr4	3.0	357 (N)	-	956	Jul 23	-
	AmbTPX	°C	16.6	96.8%	28.9	Jul 28 Hr16	7.3	222 (SW)	-	21.9	Jul 28	-
StnTPX	°C	21.9	96.8%	23.1	Jul 5 Hr11	15.5	156 (SSE)	-	22.2	Jul 7	-	



**Operational Summary\_ All Parameters:** Power failure on Jul 20 (-7 hrs). Station upgrade performed on Jul 30 & 31 to install new trailer and replace ESC 8832 datalogger with an Ultimate unit. **TRS:** Uptime was 93.5% = 48 hrs of downtime. 2 additional zero-span checks were performed on Jul 29 & 30 to assess a span response that went beyond the lower acceptance limit (-2 hrs). A shut-down calibration followed on Jul 30 to confirm analyzer performance and validate data. The station upgrade was coordinated with this activity (-39 hrs). **THC/CH<sub>4</sub>/NMHC:** Analyzer was in recovery mode after power failure (-1 hr). Station upgrade on Jul 30 (-39 hrs). **Canister:** trigger test on July 5. No events recorded this month. **Met Parameters:** Uptime was 96.8% = 17 hrs of downtime (station upgrade).

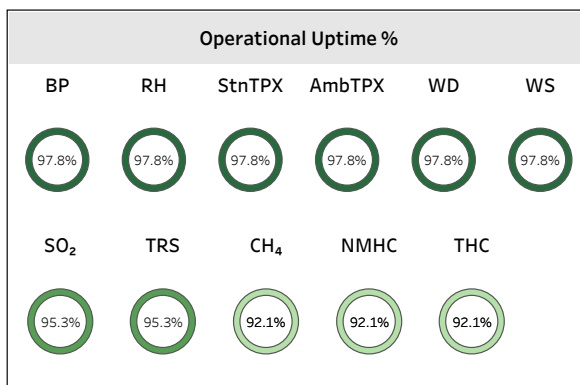
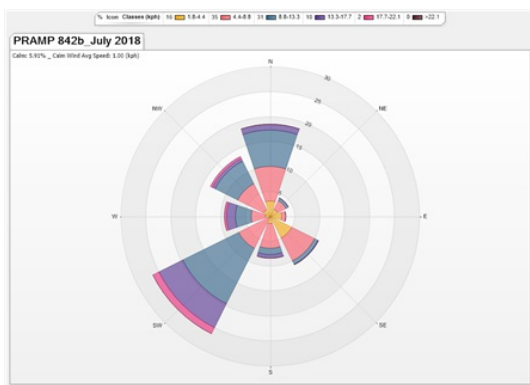


\* Instantaneous hourly maximum data was not baseline-corrected and is considered raw data.

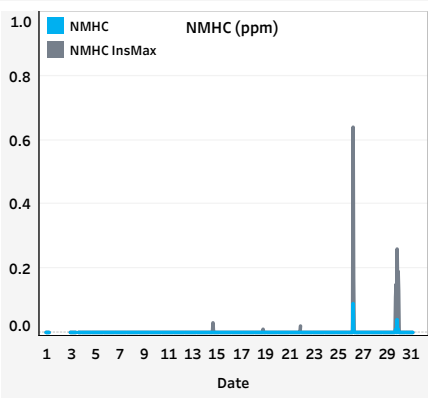
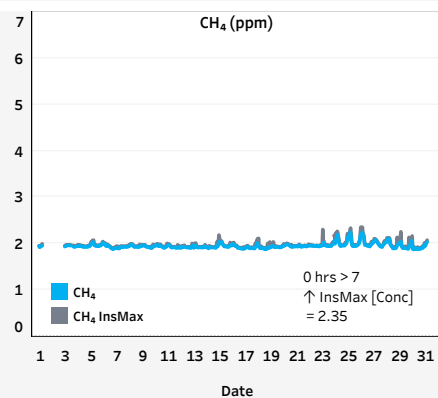
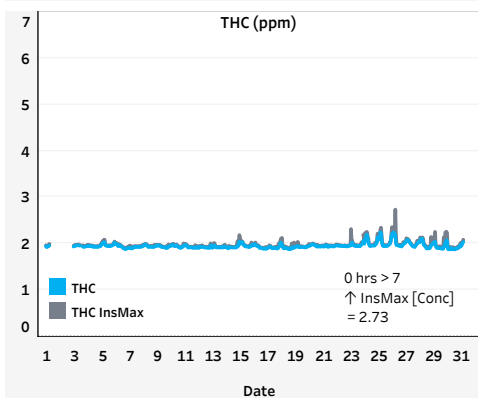
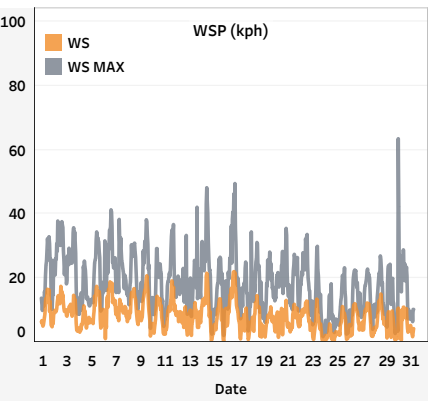
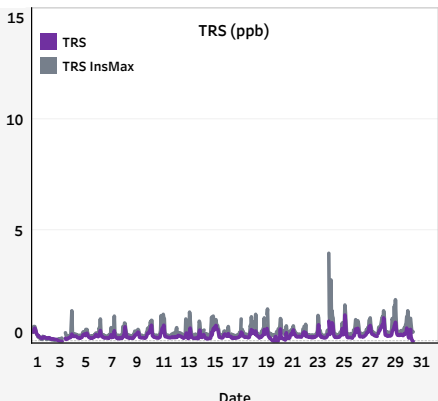
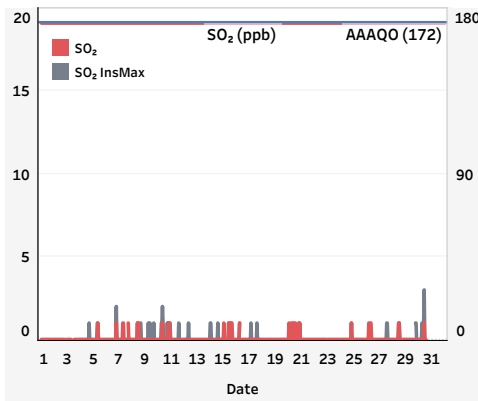
## Peace River Area Monitoring Program Committee - 842b Station July 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- 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 <sub>2</sub>	ppb	0	95.3%	1	Jul 5 Hr8	14.4	172 (S)	0	0	Jul 1	0
	TRS	ppb	0.27	95.3%	1.19	Jul 25 Hr5	2.3	110 (ESE)	-	0.46	Jul 28	-
	THC	ppm	1.95	92.1%	2.24	Jul 25 Hr5	2.3	110 (ESE)	-	2.05	Jul 26	-
	CH <sub>4</sub>	ppm	1.95	92.1%	2.24	Jul 25 Hr5	2.3	110 (ESE)	-	2.04	Jul 26	-
	NMHC	ppm	0.00	92.1%	0.09	Jul 26 Hr7	2.3	193 (S)	-	0.00	Jul 1	-
	WS	kph	3.2	97.8%	22.0	Jul 16 Hr16	22.0	252 (WSW)	-	13.7	Jul 16	-
	WD	degree	259 (WSW)	97.8%	-	-	-	-	-	-	-	-
	RH	%	72	97.8%	95	Jul 8 Hr5	9.8	177 (S)	-	90	Jul 20	-
	BP	mbar	946	97.8%	957	Jul 23 Hr7	5.5	340 (NNW)	-	956	Jul 23	-
	AmbTPX	°C	15.9	97.8%	26.6	Jul 28 Hr15	15.0	214 (SSW)	-	20.9	Jul 28	-
	StnTPX	°C	21.6	97.8%	24.1	Jul 3 Hr11	10.4	352 (N)	-	22.1	Jul 30	-



**Operational Summary\_ All Parameters:** Station upgrade performed on Jul 30 & 31 to install new trailer and replace ESC 8832 datalogger with an Ultimate unit. **SO<sub>2</sub>/TRS:** Uptime was 95.3% = 35 hrs of downtime. Shut-down calibration performed on Jul 30, followed by station upgrade (-35 hrs). **THC/CH<sub>4</sub>/NMHC:** Uptime was 92.1% = 59 hrs of downtime. Analyzer flamed out on Jul 1 as fuel gas was depleted. Gas was replaced, followed by 2 zero-span checks (IZS) (-40 hrs). Shut-down calibration performed on Jul 31, followed by station upgrade (-18 hrs). **Canister:** 1 event recorded on Jul 26 @ 07:30, at an initial conc. of 0.31 ppm. An additional IZS followed (-1 hr). **Met Parameters:** Uptime was 97.8% = 16 hrs of downtime (station upgrade).

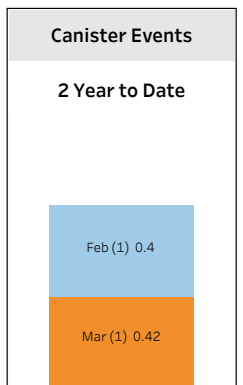
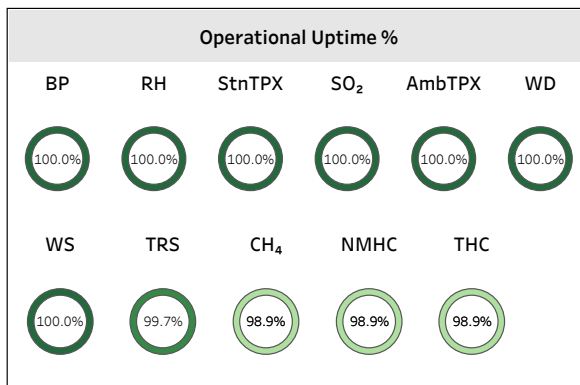
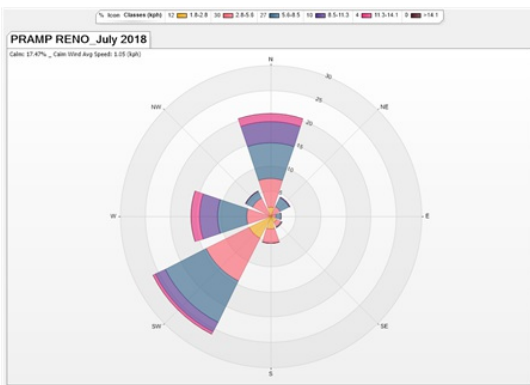


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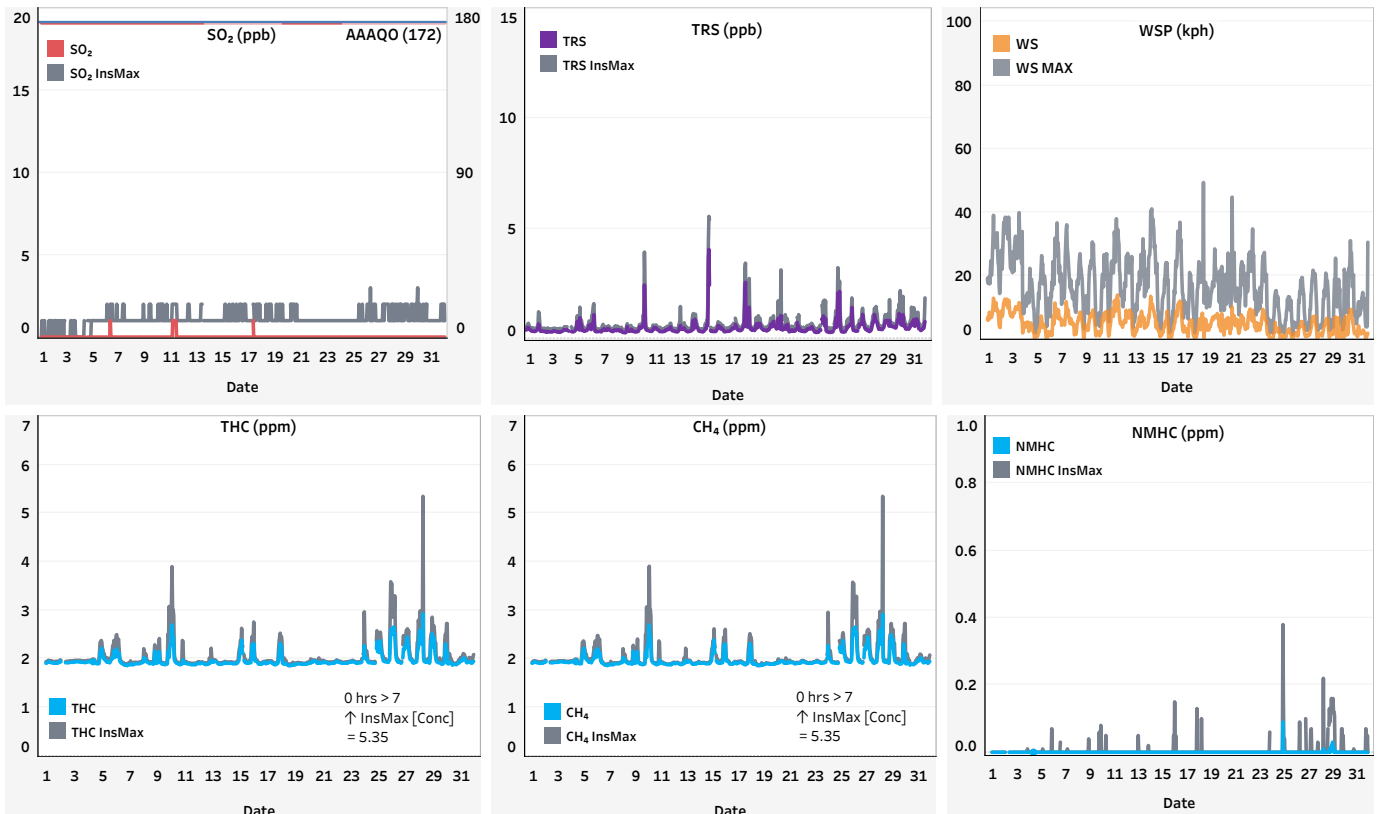
## Peace River Area Monitoring Program Committee - Reno Station July 2018 Monthly Report Summary

- All data has been baseline corrected.
- All compliance parameters were within the Alberta Ambient Air Quality Objectives and Guidelines (AAAQO, 2017).
- 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 - Reno	SO <sub>2</sub>	ppb	0	100.0%	1	Jul 6 Hr7	3.5	230 (SW)	0	0	Jul 1	0
	TRS	ppb	0.50	99.7%	4.06	Jul 15 Hr5	1.6	201 (SSW)	-	0.81	Jul 15	-
	THC	ppm	1.97	98.9%	2.93	Jul 28 Hr7	1.9	203 (SSW)	-	2.20	Jul 28	-
	CH <sub>4</sub>	ppm	1.97	98.9%	2.92	Jul 28 Hr7	1.9	203 (SSW)	-	2.20	Jul 28	-
	NMHC	ppm	0.00	98.9%	0.09	Jul 24 Hr23	1.1	233 (SW)	-	0.00	Jul 1	-
	WS	kph	2.2	100.0%	14.0	Jul 11 Hr14	14.0	251 (WSW)	-	9.3	Jul 2	-
	WD	degree	280 (W)	100.0%	-	-	-	-	-	-	-	-
	RH	%	68	100.0%	94	Jul 2 Hr1	3.8	287 (WN..)	-	91	Jul 20	-
	BP	mbar	942	100.0%	952	Jul 23 Hr4	3.0	349 (NNW)	-	951	Jul 23	-
	AmbTPX	°C	16.5	100.0%	28.3	Jul 28 Hr16	5.9	228 (SW)	-	21.1	Jul 28	-
	StnTPX	°C	22.3	100.0%	32.7	Jul 16 Hr19	8.2	247 (WSW)	-	25.0	Jul 17	-



**Operational Summary\_ TRS:** Uptime was 99.7% = 2 hrs of downtime. 2 additional zero-span checks (IZS) were performed on Jul 3 & 4 to assess a biased low span response. **THC/CH<sub>4</sub>/NMHC:** Uptime was 98.9% = 8 hrs of downtime. Low carrier gas pressure on Jul 2. Cylinder was exchanged followed by an additional IZS (-7 hrs). Manifold cleaning on Jul 4 (-1 hr). **Canister:** A 5-min conc. of 2.10 ppm was recorded on Jul 2, while the carrier gas was replaced. Not considered a real event.



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