Air Quality Monitoring Network for September 2006

Prepared by

FOCUS
AMBIENT AIR MONITORING

November 7, 2006

Environmental Service Response Centre
Alberta Environment
#111 Twin Atria Building
4999-98th Avenue
Edmonton, Alberta T6B 2X3

RE: Peace Airshed Zone Association (PASZA) – September Ambient Air Report

Enclosed is the PASZA Ambient Monitoring Network Report for the month of **September 2006**.

Continuous Monitoring: **Five (5) Stations including Henry Pirker (Grande Prairie), Evergreen Park, Smoky Heights, Beaverlodge, Falher (portable) and Valleyview.**

Included in this report is a summary of the monthly continuous monitoring, detailed hourly average reports and multipoint calibration reports of all instruments. Operational summaries can be found on the "Monthly Summary" and "Continuous Monitoring" pages of the report. The measured ambient air quality was within the Provincial and Federal objectives.

The Falher (Portable) station was commissioned and calibrated on August 29th and 30th, 2006. The start-up calibrations were included in the August, 2006 report; data collection began September 1st, 2006.

The Valleyview station was commissioned and calibrated on September 25th and 27th, 2006. The start-up calibrations are included in this report; however data collection began October 1st, 2006.

During the month of September the following events were noted:

Henry Pirker Station:

- Wind speed cups appears to have frozen on September 15th, 16th and 17th due to weather changes (temperature dropped with winds out of NE with rain and snow); with a total of twenty-seven (27) hours downtime.
- No span occurred on September 8th on the O_3 and NO_X analyzers, reason is undetermined.
- All analyzers / sensors at the Henry Pirker station were above 90% uptime.
- The AQI for the month resulted in 677 hours of Good readings and 8 hours of Fair readings.

Evergreen Park Station:

- The SO_2 analyzer was down for a total of twenty-four (24) hours in September due to an intermittent problem with the analyzer. Diagnosis of the problem is ongoing due to its intermittent nature. There was a span adjust on September 21st.
- Continue to see high readings of SO_2 with the highest readings corresponding with winds from the west and west-southwest. This is an industrialized area near Grande Prairie which contains a number of industries such as gravel operations, asphalt plant, a landfill, wastewater treatment and oilfield services which may contribute to SO_2. Overall there were no SO_2 readings above Provincial Objectives.
- The spans on the TRS analyzer were very unstable from September 3rd to the 21st; on the 21st a span adjustment was made and the spans became more stable for the remainder of the month. It was later determined that the glass insert in the oven was broken which resulted in the oven not being able to maintain a constant temperature or flow and this situation was fixed on October 17th by replacing the glass insert.
- All analyzers / sensors at the Evergreen Park station were above 90% uptime

Smoky Heights Station:

- On September 11th a power failure resulted in five (5) hours of invalid data for the SO_2 analyzer and two (2) hours of invalid data for the TRS, TEOM analyzers and the meteorological sensors (wind speed, wind direction and temperature).
- The SO_2 analyzer spans dropped after the power failure, until the calibration on the 19th. The span drops again on the 25th for reasons undetermined.
- All analyzers / sensors at the Smoky Heights station were above 90% uptime

Beaverlodge Station:

- On September 20th a power failure resulted in
  - twenty-three (23) hours of invalid data for the SO_2 and O_3 analyzers,
  - twenty-eight (28) hours of invalid data for the NO_X analyzer,
  - twenty-four (24) hours of invalid data for the TEOM analyzer, and
  - twenty-two (22) hours of invalid data for all the meteorological sensors (relative humidity, wind speed, wind direction and temperature).
- All analyzers / sensors at the Beaverlodge station were above 90% uptime.
- The AQI for the month resulted in 631 hours of Good readings and 8 hours of Fair readings.

Portable - Falher Station:

- The TRS spans slowly increased from September 1st to September 20th; however this was probably due to the nature of a new perm tube and new analyzer, which then stabilized after the calibration.
- On September 3rd and 7th TRS readings were observed approaching the provincial objective of 10 ppb, an investigation of the potential source of these readings revealed that no immediate source could be determined.
- All analyzers / sensors at the Falher station operated at 100% uptime

Valleyview Station:

- The station was calibrated and began collecting data during the last two days of the month. The data willl be reported for the full month in October's report.

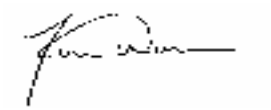
Passive Monitoring: 43 Stations throughout the PASZA zone:

No problems were observed with any of the sampling sites for the month of September 2006.
A summary of the passive data collected are reported as follows.

- Monthly average concentrations for SO_2 passives ranged from <0.1 ppb to 0.6 ppb.
- Monthly average concentrations for NO_2 passives ranged from 0.3 ppb to 6.4 ppb.
- Monthly average concentrations for O_3 passives ranged from 15.2 ppb to 30.3 ppb.

If you have any questions, please contact the Focus office at 1-888-869-2252 (Gary Cross) or 1-888-466-6555 (Kevin McCullum).

On Behalf of the,
Peace Airshed Zone Association



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PASZA Monthly Continuous Data Summary

Sep-2006	Peace Airshed Zone Assocation						Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
Pollutant	Objectives		Station	Monthly	Exceedence		Conc	Day	WSPD	WDIR	Conc	Day	Operational
(units)	1-hr	24-hr		Average	1-hr	24-hr			(km/hr)	(Sector)			Time (%)
SO2 (ppb)	172	57	Henry Pirker	0.4	0	0	7.0	Sep-06 10:00	7.0	SW	2.1	Sep-08	100.0%
SO2 (ppb)	172	57	Evergreen Park	2.1	0	0	105.6	Sep-23 14:00	25.3	W	15.1	Sep-23	96.7%
SO2 (ppb)	172	57	Smoky Heights	0.6	0	0	4.7	Sep-27 23:00	19.8	WSW	1.9	Sep-08	99.3%
SO2 (ppb)	172	57	Beaverlodge	0.5	0	0	11.1	Sep-09 15:00	7.5	WNW	2.4	Sep-08	96.8%
SO2 (ppb)	172	57	Portable-Fahler	0.3	0	0	4.2	Sep-04 15:00	12.8	SE	1.1	Sep-04	100.0%
NO (ppb)			Henry Pirker	4.0	-	-	95.5	Sep-01 21:00	4.5	SSE	15.1	Sep-26	100.0%
NO2 (ppb)	212	106	Henry Pirker	7.9	0	0	30.7	Sep-27 19:00	5.1	SSW	13.9	Sep-04	100.0%
NOX (ppb)			Henry Pirker	12.0	-	-	121.1	Sep-01 21:00	4.5	SSE	27.2	Sep-27	100.0%
NO (ppb)			Beaverlodge	0.4	-	-	20.7	Sep-07 08:00	4.3	SW	1.6	Sep-07	96.1%
NO2 (ppb)	212	106	Beaverlodge	2.6	0	0	15.6	Sep-07 05:00	1.9	NE	5.7	Sep-08	96.1%
NOX (ppb)			Beaverlodge	3.0	-	-	35.7	Sep-07 08:00	4.3	SW	6.3	Sep-08	96.1%
O3 (ppb)	82		Henry Pirker	18.0	0	-	51.9	Sep-05 14:00	10.5	WNW	36.7	Sep-08	100.0%
O3 (ppb) - 8-hr	65		Henry Pirker		0						46.4	Sep-08	
O3 (ppb)	82		Beaverlodge	25.4	0	-	58.6	Sep-08 15:00	8.5	ESE	42.9	Sep-08	96.8%
O3 (ppb) - 8-hr	65		Beaverlodge		0						54.6	Sep-08	
O3 (ppb)	82		Portable-Fahler	20.1	0	-	63.9	Sep-04 15:00	12.8	SE	33.8	Sep-05	100.0%
O3 (ppb) - 8-hr	65		Portable-Fahler								53.3	Sep-05	
CO (ppm)	13		Henry Pirker	0.13	0	-	1.4	Sep-01 21:00	4.5	SSE	0.3	Sep-01	100.0%
CO (ppm) - 8-hr	5		Henry Pirker		0						0.8	Sep-02	
THC (ppm)			Henry Pirker	2.00	-	-	3.0	Sep-02 08:00	4.5	SSE	2.3	Sep-04	100.0%
TRS (ppb)			Henry Pirker	0.2	-	-	0.8	Sep-02 03:00	4.9	NW	0.3	Sep-04	100.0%
TRS (ppb)			Evergreen Park	0.5	-	-	2.8	Sep-10 18:00	9.1	W	0.7	Sep-09	100.0%
TRS (ppb)			Smoky Heights	0.4	-	-	0.8	Sep-14 19:00	16.6	N	0.6	Sep-04	99.7%
TRS (ppb)			Portable-Fahler	0.7	-	-	8.1	Sep-03 01:00	10.0	ESE	2.0	Sep-03	100.0%
PM2.5 (mg/m3)		30 a	Henry Pirker	5.8	0	0	61.0	Sep-04 20:00	6.2	NW	24.6	Sep-04	100.0%
PM2.5 (mg/m3)		30 a	Evergreen Park	5.9	0	0	61.0	Sep-28 10:00	27.4	W	20.7	Sep-04	99.9%
PM2.5 (mg/m3)		30 a	Smoky Heights	5.2	0	0	94.7	Sep-14 19:00	16.6	N	19.3	Sep-05	98.5%
PM2.5 (mg/m3)		30 a	Beaverlodge	4.4	0	0	34.0	Sep-03 10:00	4.3	S	17.9	Sep-04	93.9%

PASZA Monthly Continuous Data Summary - continued

Sep-2006	Peace Airshed Zone Assocation						Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
Pollutant	Objectives		Station	Monthly	Exceedence		Conc	Day	WSPD	WDIR	Conc	Day	Operational
(units)	1-hr	24-hr		Average	1-hr	24-hr			(km/hr)	(Sector)			Time (%)
RH (%)			Henry Pirker	65.4	-	-	-	-	-	-	-	-	100.0%
RH (%)			Beaverlodge	59.1	-	-	-	-	-	-	-	-	96.9%
RH (%)			Portable-Fahler	66.8	-	-	-	-	-	-	-	-	100.0%
SR (W/m2)			Henry Pirker	114.6	-	-	-	-	-	-	-	-	100.0%
Temp (oC)			Henry Pirker	12.4	-	-	-	-	-	-	-	-	100.0%
Temp (oC)			Evergreen Park	11.6	-	-	-	-	-	-	-	-	100.0%
Temp (oC)			Smoky Heights	12.1	-	-	-	-	-	-	-	-	99.7%
Temp (oC)			Beaverlodge	12.6	-	-	-	-	-	-	-	-	96.9%
Temp (oC)			Portable-Fahler	17.4	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Henry Pirker	11.1	-	-	35.9	Sep-28 12:00	35.9	W	21.1	29-Sep	96.3%
WSPD v (km/hr)			Evergreen Park	7.5	-	-	28.4	Sep-29 14:00	28.4	WSW	16.8	29-Sep	100.0%
WSPD v (km/hr)			Smoky Heights	12.4	-	-	41.2	Sep-29 10:00	41.2	WSW	24.4	23-Sep	99.7%
WSPD v (km/hr)			Beaverlodge	9.3	-	-	31.2	Sep-23 15:00	31.2	W	18.2	28-Sep	96.9%
WSPD v (km/hr)			Portable-Fahler	10.7	-	-	30.5	Sep-08 14:00	30.5	SE	22.8	14-Sep	100.0%
WSPD s (km/hr)			Henry Pirker	11.7	-	-	36.3	Sep-28 12:00	36.3	W	21.7	29-Sep	96.3%
WSPD s (km/hr)			Evergreen Park	7.9	-	-	28.6	Sep-29 14:00	28.6	WSW	17.4	29-Sep	100.0%
WSPD s (km/hr)			Smoky Heights	12.8	-	-	41.4	Sep-29 10:00	41.4	WSW	24.8	23-Sep	99.7%
WSPD s (km/hr)			Beaverlodge	9.6	-	-	31.4	Sep-23 15:00	31.4	W	18.5	28-Sep	96.9%
WSPD s (km/hr)			Portable-Fahler	11.0	-	-	30.7	Sep-08 14:00	30.7	SE	22.8	14-Sep	100.0%
WDIR			Henry Pirker	W	-	-	-	-	-	-	-	-	100.0%
WDIR			Evergreen Park	W	-	-	-	-	-	-	-	-	100.0%
WDIR			Smoky Heights	W	-	-	-	-	-	-	-	-	99.7%
WDIR			Beaverlodge	WNW	-	-	-	-	-	-	-	-	96.9%
WDIR			Portable-Fahler	SW	-	-	-	-	-	-	-	-	100.0%

Note: [a] the draft 24-hr Alberta Ambient Air Quality Objective

Continuous Network Equipment Summary

PASZA – Henry Pirker Station

General Station Issues

Calibrations were performed on September 8th (SO_2, TRS, CO & THC), September 11th (NO_X) and September 12th (O_3 and TEOM).

Parameter	Make	Model	Notes
SO_2	TECO	43	No operational problems observed.
NOx/NO/NO_2	TECO	42C	There was no span on September 8th, reason has not been determined. No other operational problems observed.
O_3	API	400	There was no span on September 8th, reason has not been determined. No other operational problems observed.
CO	TECO	48C	No operational problems observed.
THC	TEI	51-CLT	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	No operational problems observed.
RH	Met One	083D	No operational problems observed.
AT	Met One	083D	No operational problems observed.
SR	Met One	096-1	No operational problems observed.
WS	Met One	010C	Wind cups frozen on September 15th, 16th and 17th with a total of twenty-seven (27) hours of downtime.
WD	Met One	020C	No operational problems observed.

PASZA – Evergreen Park Station

General Station Issues

Calibrations were performed on September 5th (TRS, SO_2) and on September 21st (TEOM). Also did span adjusts on both the SO_2 and TRS analyzers.

Parameter	Make	Model	Notes
SO_2	API	100	Twenty-four (24) hours of data was flagged invalid in September due to an intermittent problem with the analyzer. This diagnosis is ongoing due to its intermittent nature.
TRS	TEI	42C	The spans on the TRS analyzer were very unstable due to the glass on the oven was broken and the oven was not able to maintain a constant temperature (this situation was fixed on October 17th). There was a span adjust on September 21st.
$PM_{2.5}$	R&P	1400AB	One (1) hour was removed due to baseline drift. No other operational problems observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	No operational problems observed.
WD	Met One	020C	No operational problems observed.

PASZA – Smoky Heights Station

General Station Issues

Calibrations were performed on September 19th (SO_2, TRS and $PM_{2.5}$). On September 11th a power failure resulted in several hours of invalid data for all analyzers and sensors (SO_2, TRS, $PM_{2.5}$, wind speed, wind direction and temperature).

Parameter	Make	Model	Notes
SO_2	API	100A	A power failure on September 11th resulted in five (5) hours of invalid data; the analyzer took several hours to respond after the power failure. Spans dropped after the power failure until the calibration. The span drops again on the 25th for reasons undetermined.
TRS	TEI	42C	A power failure on September 11th resulted in two (2) hours of invalid data.
$PM_{2.5}$	R&P	1400AB	A power failure on September 11th resulted in two (2) hours of invalid data. Nine (9) hours were removed due to baseline drift.
AT	Met One	083D	A power failure on September 11th resulted in two (2) hours of invalid data.
WS	Met One	010C	A power failure on September 11th resulted in two (2) hours of invalid data.
WD	Met One	020C	A power failure on September 11th resulted in two (2) hours of invalid data.

PASZA – Beaverlodge Station

General Station Issues

Calibrations were performed on September 14th (NO_X) and September 18th (SO_2, O_3 and $PM_{2.5}$). On September 20th a power failure resulted in a number of hours of invalid data for all analyzers and sensors (SO_2, NO, NO_2, NO_X, O_3, $PM_{2.5}$, wind speed, wind direction and temperature).

Parameter	Make	Model	Notes
SO_2	TECO	43CTL	A power failure on September 20th resulted in twenty-three (23) hours of invalid data.
NOx/NO/NO_2	TECO	42C	A power failure on September 20th resulted in twenty-eight(28) hours of invalid data.
O_3	API	400	A power failure on September 20th resulted in twenty-three (23) hours of invalid data.
$PM_{2.5}$	R&P	1400AB	A power failure on September 20th resulted in twenty-four (24) hours of invalid data. Twenty (20) hours were removed due to baseline drift.
AT	n/a	n/a	A power failure on September 20th resulted in twenty-three (22) hours of invalid data.
RH	n/a	n/a	A power failure on September 20th resulted in twenty-three (22) hours of invalid data.
WS	Blue Sky	857	A power failure on September 20th resulted in twenty-three (22) hours of invalid data. Five hours of calm were observed.
WD	Blue Sky	857	A power failure on September 20th resulted in twenty-three (22) hours of invalid data.

PASZA – Falher (Portable) Station

General Station Issues

Calibrations were performed on September 20th (SO_2, TRS and O_3).

Parameter	Make	Model	Notes
SO_2	TEI	43C	No operational problems observed.
TRS	TEI	43C	Spans slowly increased from September 1st to September 21st; however this was probably due to the nature of a new perm tube and new analyzer. After the calibration spans are stable.
O_3	TEI	49C	No operational problems observed.
AT	Gill Met Pak 3		No operational problems observed.
WS	Gill Met Pak 3		No operational problems observed.
WD	Gill Met Pak 3		No operational problems observed.

PASZA – Valleyview Station

General Station Issues

Station was commissioned on September 25th and start up calibrations were performed on September 27th (SO_2, and H_2S).

Parameter	Make	Model	Notes
SO_2	ML	332	New perm tube installed.
H_2S	TEI	43C	New lamp, socket and perm tube installed.
AT	Gill Met Pak 3		No operational problems observed.
RH	Gill Met Pak 3		No operational problems observed.
WS	Gill Met Pak 3		No operational problems observed.
WD	Gill Met Pak 3		No operational problems observed.

PASZA – Henry Pirker Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Henry Pirker - AQI Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: September 1, 2006 to October 1, 2006

Alberta's Air Quality Index

Good	1	to	25
Fair	26	to	50
Poor	51	to	100
Very Poor		>	100

Summary

Number of 1-hr Good Readings:	677
Number of 1-hr Fair Readings:	8
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00
1-Sep-06	9	8	6	N	5	7	9	6	4	9	11	11	12	13	13	13	13	13	13	6	15	18	21	19
2-Sep-06	18	14	N	9	7	5	7	11	10	7	8	12	14	14	16	17	17	18	17	9	13	22	24	13
3-Sep-06	13	N	11	11	10	9	10	12	19	25	28	26	23	21	21	20	20	20	17	13	13	17	23	18
4-Sep-06	N	18	16	17	13	15	16	17	17	17	14	16	16	18	18	18	20	20	22	29	40	35	25	N
5-Sep-06	16	16	15	13	12	12	15	17	16	15	13	14	20	26	27	20	19	17	15	12	19	10	N	11
6-Sep-06	9	13	5	5	5	8	15	12	13	10	15	18	22	23	23	23	23	22	20	15	13	N	10	20
7-Sep-06	22	18	13	11	8	10	13	20	19	12	16	20	20	20	19	20	21	20	17	14	N	14	14	15
8-Sep-06	16	17	18	17	16	15	13	12	15	17	19	19	20	N	24	24	25	26	23	21	18	20	14	15
9-Sep-06	13	13	13	16	17	N	17	16	12	13	15	18	20	20	21	20	19	18	14	18	17	15	15	11
10-Sep-06	10	9	8	8	N	4	4	4	8	11	15	16	16	15	15	15	16	16	15	13	10	10	13	12
11-Sep-06	12	10	9	N	7	4	5	14	7	8	12	16	16	16	17	17	17	18	16	12	14	15	15	13
12-Sep-06	13	11	11	10	9	N	5	4	6	7	3	N	N	N	1	16	16	16	15	15	11	8	11	12
13-Sep-06	11	11	11	9	7	N	15	19	9	10	12	13	14	14	12	15	11	10	7	6	7	8	8	8
14-Sep-06	9	9	9	11	N	9	9	8	9	9	10	11	11	10	8	10	10	10	9	9	8	8	9	9
15-Sep-06	9	9	9	N	7	6	6	6	6	6	6	5	7	7	7	7	6	6	6	7	7	7	6	6
16-Sep-06	5	5	N	4	5	4	5	4	4	6	6	8	9	9	8	9	10	10	11	12	12	11	12	12
17-Sep-06	12	N	9	8	6	3	3	3	8	9	14	15	17	17	17	17	16	17	15	11	11	12	11	12
18-Sep-06	N	11	10	8	7	6	5	4	6	7	7	7	8	9	9	9	9	10	10	9	9	8	9	N
19-Sep-06	7	8	7	8	5	5	4	5	5	5	6	7	6	6	6	7	8	8	6	7	8	8	N	6
20-Sep-06	6	5	4	4	4	3	3	3	6	6	8	5	5	6	8	9	8	7	9	8	4	N	4	6
21-Sep-06	4	4	5	4	4	2	2	3	4	5	4	3	4	5	6	7	7	8	7	6	N	5	4	4
22-Sep-06	5	6	5	2	2	2	3	4	3	3	5	6	9	10	10	8	7	6	4	N	9	8	6	8
23-Sep-06	9	7	7	4	6	4	3	3	5	8	9	10	10	10	9	9	9	9	N	9	9	9	8	8
24-Sep-06	8	7	8	8	7	7	3	4	9	14	12	12	12	12	12	11	10	N	8	5	4	5	6	7
25-Sep-06	6	5	7	9	8	8	7	8	10	11	12	13	14	13	14	14	N	13	14	11	7	6	9	11
26-Sep-06	10	7	5	4	4	6	9	8	6	5	7	9	12	14	15	N	15	14	7	9	11	19	18	9
27-Sep-06	3	5	5	3	3	4	7	6	12	11	6	6	9	11	N	12	11	6	6	11	9	12	12	11
28-Sep-06	9	9	7	5	4	5	6	6	11	13	14	15	16	N	15	15	15	13	12	11	10	10	8	9
29-Sep-06	9	8	11	13	13	12	11	11	13	16	16	17	N	16	15	15	13	12	9	8	8	7	4	5
30-Sep-06	3	3	3	10	12	4	11	5	6	8	9	N	10	12	14	16	16	15	14	14	14	14	11	15

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

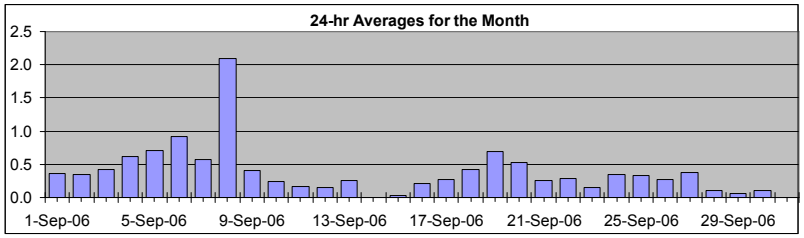
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 172 ppb | 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	7.0	ppb	6-Sep	10:00 11:00
Maximum 24-hr Average:	2.1	ppb	8-Sep	



AIC Time:	32 hrs	Operational Time:	686 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.1	1.3	0.4	0.2	0.1	0.0	0.0	0.4 ppb	0.2 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.4	1.0
2-Sep-06	0	0	A	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0.3	0.8
3-Sep-06	0	A	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0.4	1.4
4-Sep-06	A	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0.6	1.2
5-Sep-06	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	A	1	0.7	1.9
6-Sep-06	0	0	0	0	0	0	1	1	1	1	7	3	1	0	0	0	1	0	1	1	1	A	1	1	0.9	7.0
7-Sep-06	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0	0	1	0	0	0	A	0	0	0	0.6	2.1
8-Sep-06	1	2	3	4	3	3	3	4	3	3	3	C	C	A	0	0	2	2	2	2	2	1	1	0	2.1	3.6
9-Sep-06	0	0	0	0	0	A	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0.4	1.2
10-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
11-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
12-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
13-Sep-06	0	0	0	0	0	A	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.3	1.2
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
15-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
16-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
17-Sep-06	0	A	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.6
18-Sep-06	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	A	0.4	0.9
19-Sep-06	0	0	1	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	A	0	0.7	1.7
20-Sep-06	1	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	0	A	0	0	0.5	2.3
21-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	A	0	0	0	0.3	0.8
22-Sep-06	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	A	0	0	0	0	0.3	0.7
23-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	A	0	0	0	0	0	0.1	0.7
24-Sep-06	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	A	0	0	0	0	1	1	0.3	1.4
25-Sep-06	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.3	2.7
26-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	A	0	0	0	0	1	1	1	0	0.3	0.8
27-Sep-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	A	0	0	0	0	0	0	0	0	0	0.4	0.9
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.3
29-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
30-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
Hourly Avg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.9	0.6	0.6	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2		
Hourly Max	2.6	2.7	3.2	3.6	3.4	3.1	3.1	3.5	3.5	3.2	7.0	2.6	1.9	1.6	1.4	1.3	1.6	2.0	1.9	1.8	1.7	1.4	1.4	1.2		

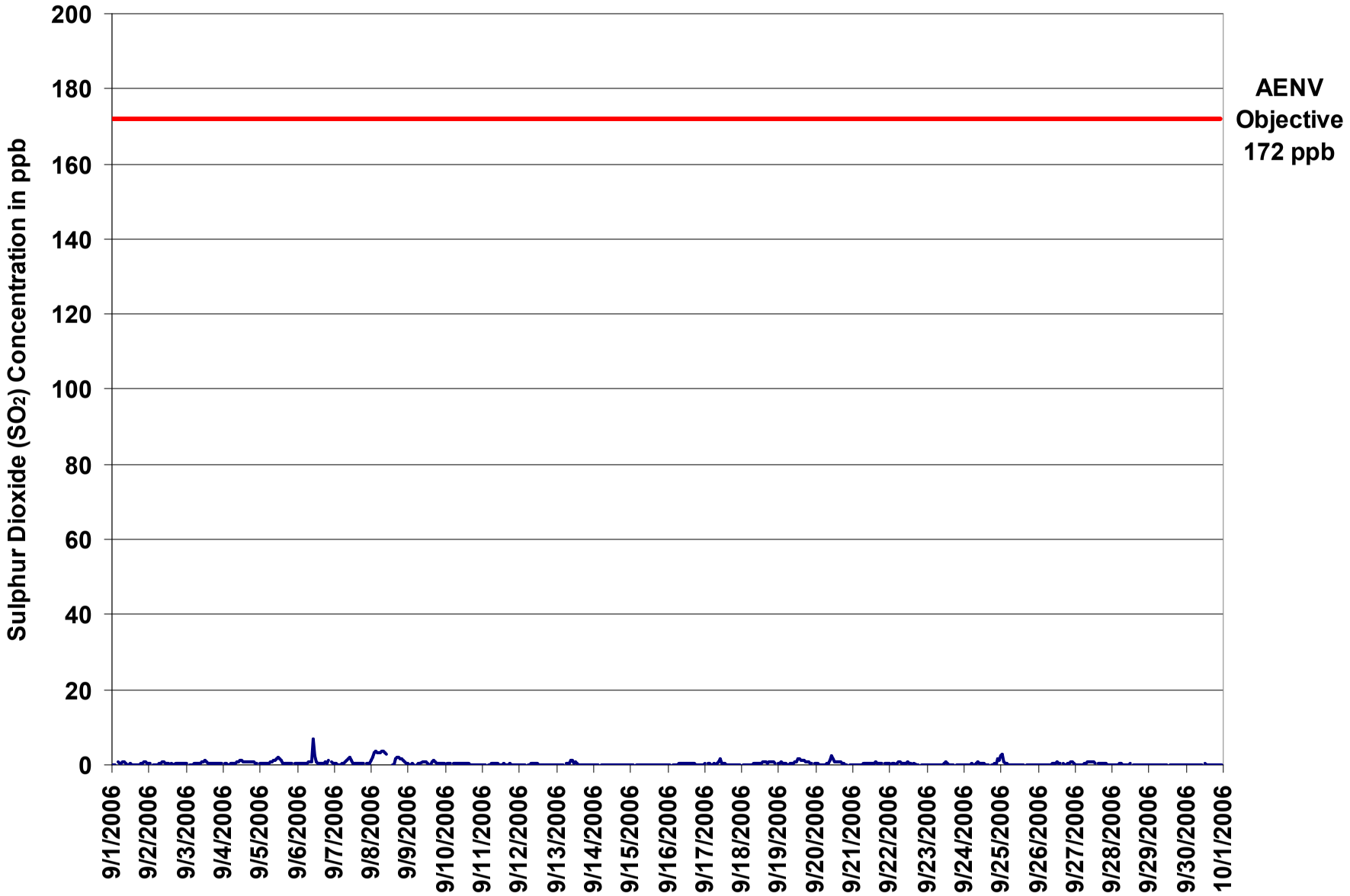


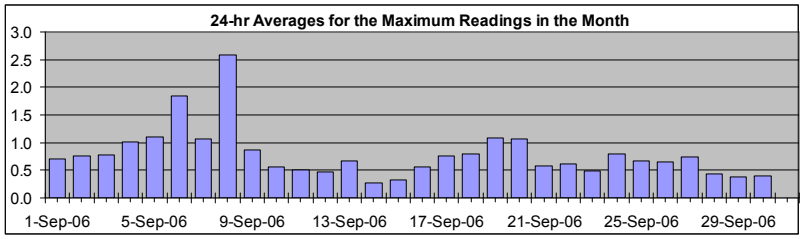
Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	14.5	ppb	6-Sep	10:00 11:00
Maximum 24-hr Value:	2.6	ppb	8-Sep	

AIC Time:	32 hrs	Operational Time:	686 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.8	2.0	0.8	0.5	0.4	0.3	0.2	0.8 ppb	0.5 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.7	1.4
2-Sep-06	1	1	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.3
3-Sep-06	1	A	0	1	1	0	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0.8	2.3
4-Sep-06	A	0	1	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	A	1.0	1.6
5-Sep-06	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	A	1	1.1	2.3
6-Sep-06	1	1	1	1	1	1	1	1	1	1	15	8	1	1	1	1	1	1	1	1	2	A	2	1	1.8	14.5
7-Sep-06	1	1	1	0	0	1	1	2	3	2	3	2	1	1	1	1	1	1	1	1	A	1	1	1	1.1	3.4
8-Sep-06	2	3	4	4	4	3	4	4	4	4	3	C	C	A	0	1	2	2	2	2	2	2	1	1	2.6	4.1
9-Sep-06	1	0	1	0	0	A	0	1	2	2	2	1	1	0	0	1	2	2	1	1	1	1	1	1	0.9	2.1
10-Sep-06	0	1	1	1	A	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1	0.6	0.8
11-Sep-06	0	0	0	A	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	1	0.5	0.8
12-Sep-06	0	0	0	0	0	A	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0.5	0.8
13-Sep-06	0	0	0	0	0	A	1	1	1	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0.7	1.8
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4
15-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.3	0.5
16-Sep-06	1	0	A	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	0	0.6	0.9
17-Sep-06	1	A	1	1	1	0	1	0	2	2	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0.8	4.2
18-Sep-06	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	1.4
19-Sep-06	1	1	1	1	1	1	0	0	1	1	1	2	2	2	2	2	2	1	1	1	1	1	A	1	1.1	2.2
20-Sep-06	1	1	0	0	1	1	1	1	1	3	4	3	1	1	1	1	1	1	0	1	0	A	0	0	1.1	3.8
21-Sep-06	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	0	1	0.6	1.1
22-Sep-06	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	A	0	0	0	0	0.6	1.2
23-Sep-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	A	0	0	0	0	0	0.5	1.1
24-Sep-06	1	0	0	0	0	1	0	1	1	2	1	1	1	1	1	0	0	A	0	1	1	0	4	2	0.8	3.5
25-Sep-06	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.7	3.2
26-Sep-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	A	1	0	1	1	1	1	1	1	0.6	1.4
27-Sep-06	1	1	0	0	0	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0	0	0.7	1.2
28-Sep-06	0	1	0	0	1	0	1	0	0	0	0	1	1	A	0	0	0	1	0	0	0	0	0	0	0.4	0.8
29-Sep-06	0	0	0	0	0	1	0	0	1	0	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0.4	0.5
30-Sep-06	0	0	0	0	0	0	0	0	0	1	0	A	1	1	0	0	0	0	0	0	0	0	0	0	0.4	0.6
Hourly Avg	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.8	1.0	1.1	1.7	1.2	1.0	0.8	0.6	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.7	0.6		
Hourly Max	3.0	3.2	3.8	4.1	3.8	3.5	3.5	4.0	3.9	3.5	14.5	8.0	2.3	2.1	1.8	1.5	2.0	2.3	2.2	2.1	2.0	1.8	3.5	1.7		

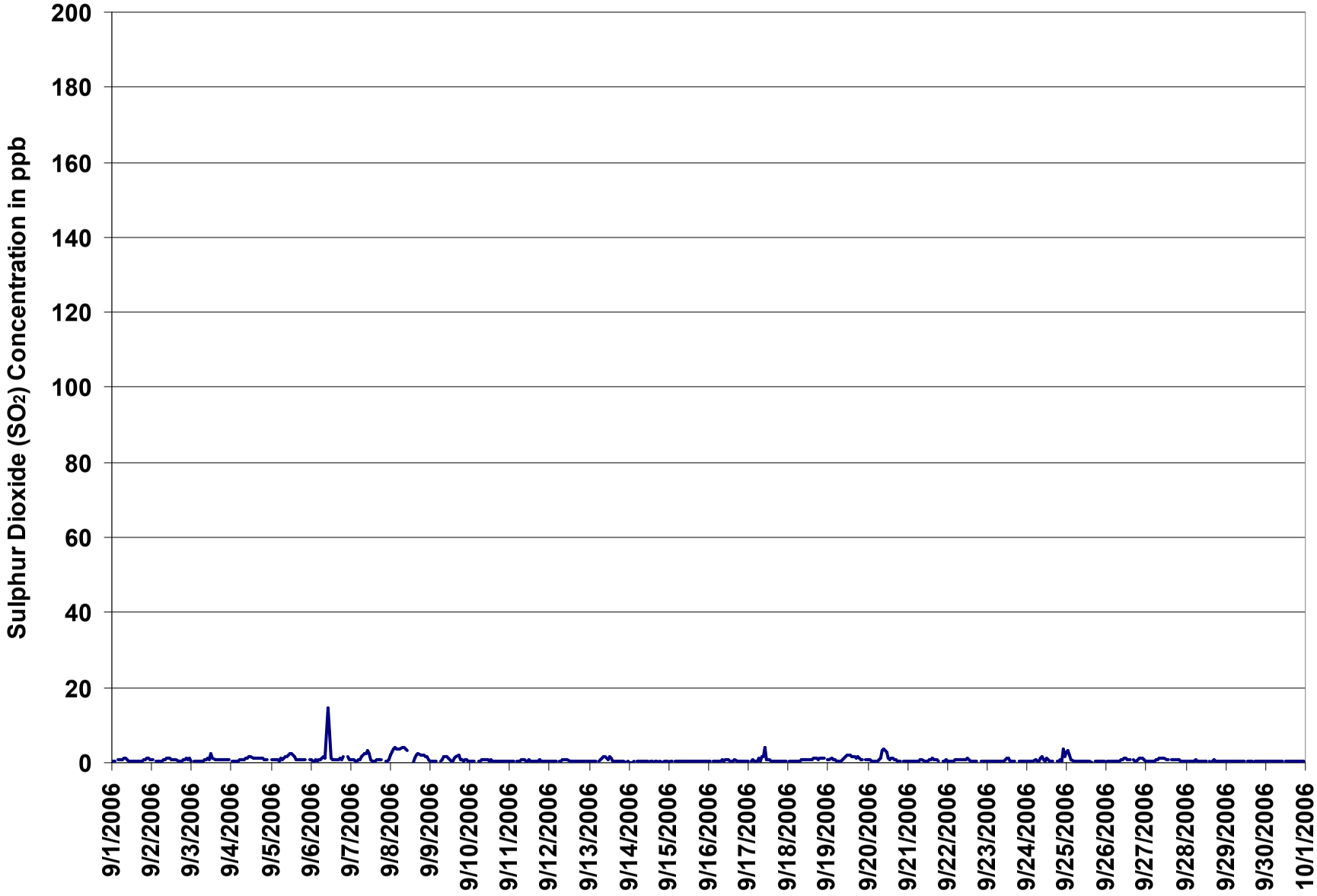
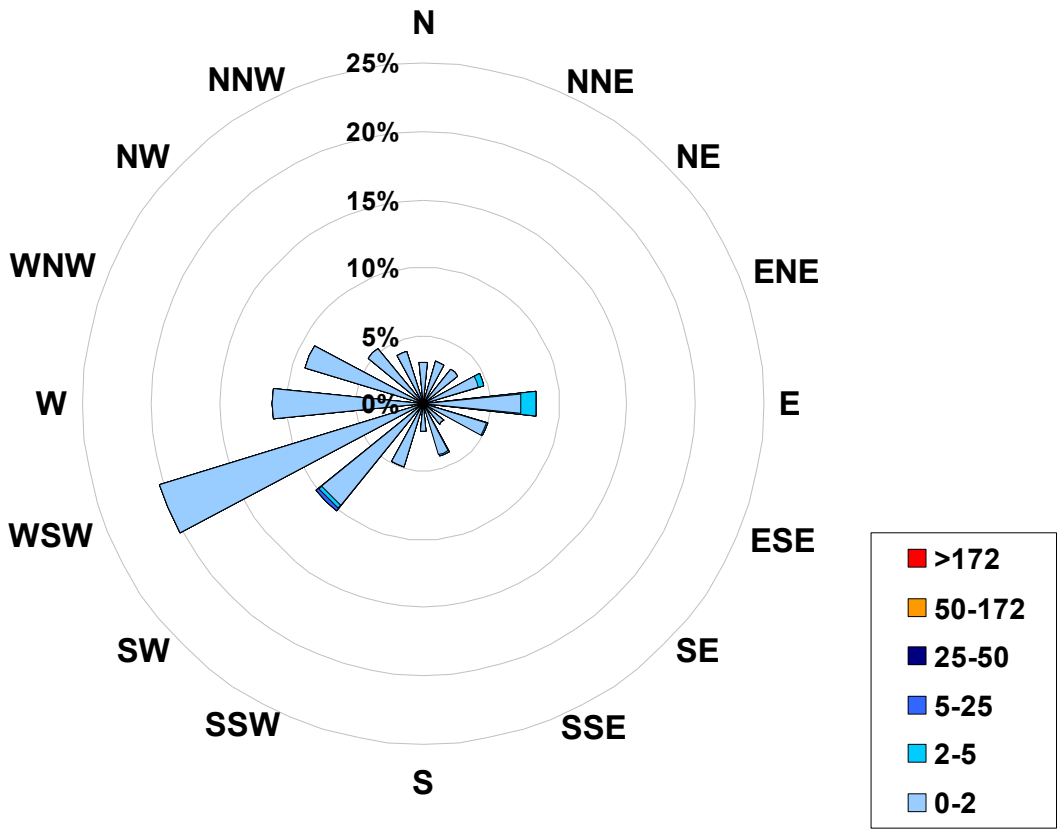


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Henry Pirker Site for September 2006



Calms: 0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	670
2	to	5	15
5	to	25	1
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			686

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

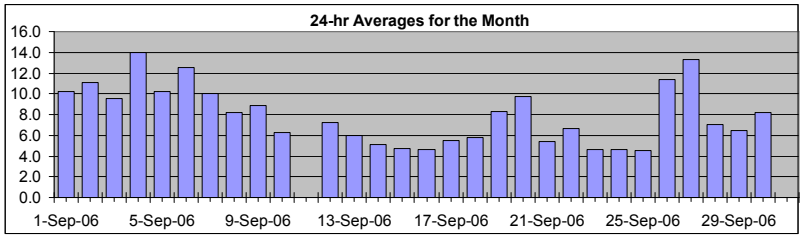
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 212 ppb | 24-hr 106 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	30.7	ppb	27-Sep	19:00 20:00
Maximum 24-hr Average:	13.9	ppb	4-Sep	



AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	25.0	19.0	10.8	6.2	3.6	2.0	1.2	7.9 ppb	6.2 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	5	6	9	A	15	18	16	14	13	5	2	3	3	3	3	3	3	3	4	15	26	25	22	20	10.3	25.7
2-Sep-06	18	15	A	13	10	10	10	13	13	10	11	7	6	3	2	2	2	3	6	20	26	25	17	12	11.1	26.4
3-Sep-06	17	A	16	14	16	15	13	10	7	7	9	5	4	2	2	2	2	3	7	11	14	13	16	12	9.5	17.5
4-Sep-06	A	14	8	12	13	18	17	14	13	10	10	10	11	11	15	16	16	13	16	19	23	15	13	A	13.9	23.0
5-Sep-06	18	8	7	7	10	16	16	17	14	12	11	9	11	6	4	3	3	2	4	9	22	11	A	13	10.2	21.5
6-Sep-06	16	18	14	12	11	22	22	22	17	13	9	8	3	2	2	3	3	3	8	14	17	A	25	24	12.6	25.3
7-Sep-06	16	13	9	8	11	19	21	25	21	19	10	5	3	2	2	3	4	4	8	10	A	8	5	4	10.0	24.7
8-Sep-06	4	4	5	7	6	8	10	12	5	5	5	5	5	4	5	6	7	7	12	14	18	11	17	16	8.2	17.7
9-Sep-06	12	9	8	11	13	A	19	23	17	14	6	3	2	2	2	3	4	6	10	11	9	9	8	6	8.9	22.6
10-Sep-06	6	6	6	5	A	17	18	16	11	6	3	2	2	3	3	3	3	2	3	4	8	8	3	5	6.2	17.6
11-Sep-06	4	4	6	A	8	19	22	18	13	C	C	C	C	C	A	5	5	3	3	9	6	3	2	3	N	21.6
12-Sep-06	2	4	3	5	6	A	21	18	13	12	6	3	3	3	4	5	5	5	5	7	15	13	7	4	7.2	21.3
13-Sep-06	3	3	4	6	9	A	22	19	11	5	4	5	3	3	7	3	9	7	5	3	3	1	2	1	6.0	22.2
14-Sep-06	1	1	1	1	A	6	7	9	8	7	6	5	5	7	12	7	6	5	5	4	5	3	2	2	5.1	11.7
15-Sep-06	2	2	2	A	4	5	5	5	4	5	7	7	4	3	4	4	6	6	5	4	5	6	6	6	4.7	7.2
16-Sep-06	6	6	A	7	5	6	5	6	7	4	4	3	3	3	4	5	4	5	4	6	5	5	2	2	4.7	7.1
17-Sep-06	3	A	13	11	9	12	14	8	6	5	3	2	2	2	1	2	2	2	5	8	6	4	4	3	5.5	13.6
18-Sep-06	A	5	4	5	4	6	9	8	6	4	3	4	3	3	4	5	7	7	8	9	9	9	5	A	5.8	9.4
19-Sep-06	8	5	6	5	6	9	10	10	7	5	5	4	6	6	7	7	6	7	10	16	17	15	A	13	8.3	17.4
20-Sep-06	10	6	6	7	10	12	12	11	9	5	7	7	7	7	9	13	15	10	9	10	16	A	18	9	9.7	17.6
21-Sep-06	8	6	3	4	4	8	10	11	5	4	3	2	2	2	3	3	5	4	5	6	A	13	8	6	5.4	13.3
22-Sep-06	4	5	4	8	8	8	11	9	6	5	4	4	4	3	5	6	7	9	12	A	8	8	10	6	6.7	12.1
23-Sep-06	5	7	7	10	7	9	9	11	7	3	2	2	2	2	2	2	2	2	A	4	4	3	2	2	4.7	10.6
24-Sep-06	2	2	2	2	3	3	8	11	6	4	3	3	3	2	1	2	2	A	6	10	15	7	6	4	4.6	15.3
25-Sep-06	5	5	2	1	2	3	6	6	5	3	3	2	2	3	3	2	A	6	3	8	13	13	5	3	4.5	13.1
26-Sep-06	4	7	10	10	13	15	15	14	10	8	7	3	3	2	3	A	5	4	16	26	25	21	22	21	11.4	25.9
27-Sep-06	14	10	8	11	12	16	16	16	19	18	15	10	8	6	A	8	11	21	27	31	20	4	3	2	13.3	30.7
28-Sep-06	4	3	5	8	15	20	26	15	6	4	3	3	2	A	3	3	3	4	5	6	7	6	8	6	7.1	25.9
29-Sep-06	4	7	3	1	1	3	5	6	5	3	3	3	A	5	6	6	8	8	12	12	14	10	12	11	6.4	13.6
30-Sep-06	11	11	11	5	7	17	7	15	17	14	11	A	11	6	4	4	4	4	6	6	4	4	7	2	8.2	17.4
Hourly Avg	7.6	6.8	6.5	7.3	8.6	11.9	13.4	13.0	10.1	7.5	6.0	4.6	4.4	3.8	4.3	4.7	5.4	5.7	8.0	10.8	12.8	9.7	9.2	7.8		
Hourly Max	18.0	17.7	16.3	14.4	15.8	21.8	25.9	24.7	20.8	18.7	14.6	10.1	11.2	10.5	15.3	15.9	15.8	20.8	26.8	30.7	26.4	24.9	25.3	23.6		

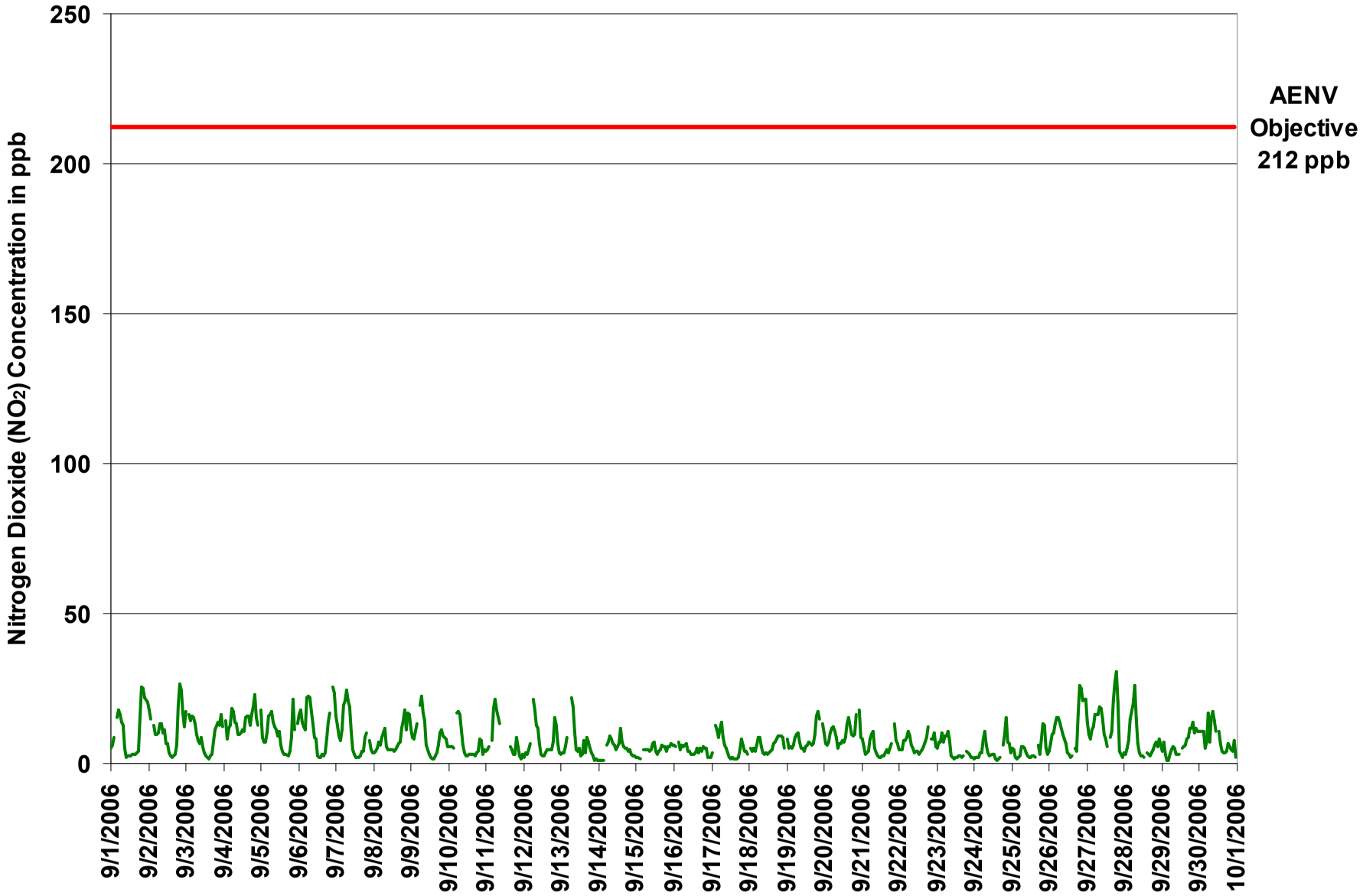


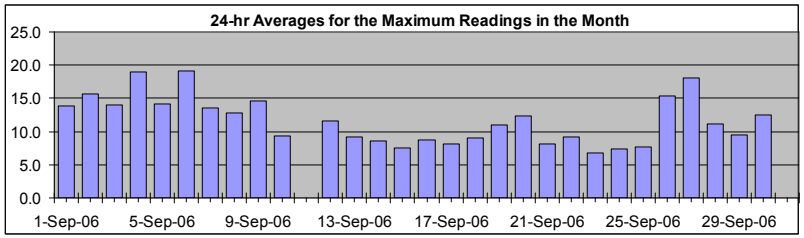
Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	43.5	ppb	2-Sep	22:00 23:00
Maximum 24-hr Value:	19.1	ppb	6-Sep	

AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	32.3	25.3	15.9	9.8	6.4	3.5	2.4	11.7 ppb	9.8 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	6	9	12	A	18	20	19	17	19	10	4	5	5	6	6	6	5	5	10	25	28	31	26	24	13.9	31.5
2-Sep-06	21	19	A	16	12	11	12	16	18	18	15	9	8	6	3	3	5	5	11	26	31	29	43	20	15.6	43.5
3-Sep-06	23	A	18	16	17	16	15	14	9	13	17	10	5	4	3	3	16	5	12	19	19	22	23	21	14.0	23.3
4-Sep-06	A	19	11	13	15	21	20	17	21	12	17	14	14	15	20	21	17	23	23	26	31	31	17	A	19.0	30.6
5-Sep-06	21	12	8	9	13	18	19	21	16	16	16	13	14	10	8	7	6	4	10	17	29	21	A	17	14.1	28.9
6-Sep-06	20	19	25	26	19	25	24	24	24	26	14	12	5	6	5	14	7	8	16	19	31	A	35	34	19.1	34.7
7-Sep-06	20	16	12	11	20	22	22	30	25	25	20	7	5	3	5	5	7	7	11	13	A	14	6	5	13.6	29.6
8-Sep-06	6	5	6	23	7	11	17	17	7	6	6	7	8	5	7	9	10	10	16	20	26	18	27	30	12.8	30.4
9-Sep-06	20	11	18	19	19	A	23	35	25	24	13	6	5	4	7	6	8	12	15	18	12	11	11	11	14.6	35.5
10-Sep-06	7	7	7	7	A	24	22	20	15	13	4	3	4	6	6	6	5	4	5	7	14	12	5	8	9.3	23.7
11-Sep-06	5	10	9	A	9	27	23	21	17	C	C	C	C	C	A	11	9	7	7	19	9	8	3	6	N	26.8
12-Sep-06	4	4	4	7	11	A	25	23	22	15	12	5	5	6	8	8	10	10	11	11	24	23	10	6	11.6	24.7
13-Sep-06	5	7	5	8	13	A	26	21	16	7	7	10	4	8	16	7	14	13	7	7	4	3	3	2	9.3	25.6
14-Sep-06	2	2	6	2	A	8	12	19	13	10	12	7	8	11	22	10	10	8	10	7	8	5	4	4	8.6	22.3
15-Sep-06	4	4	3	A	7	6	7	9	7	7	9	10	7	5	6	7	10	10	10	8	10	11	8	9	7.5	10.5
16-Sep-06	9	9	A	9	9	8	8	9	9	11	6	5	5	14	9	24	6	11	6	11	9	8	5	4	8.8	23.5
17-Sep-06	5	A	17	14	11	17	22	12	8	8	7	5	4	4	3	4	3	3	8	12	8	6	6	4	8.2	21.7
18-Sep-06	A	8	5	16	6	10	12	11	11	6	6	8	5	5	8	8	10	11	11	11	11	11	7	A	9.0	15.6
19-Sep-06	17	6	9	7	10	12	13	13	11	8	7	6	9	8	9	9	8	9	13	19	19	18	A	16	11.1	19.1
20-Sep-06	14	9	7	10	12	14	15	12	11	8	8	8	9	9	12	16	20	13	14	14	20	A	21	12	12.4	21.1
21-Sep-06	11	10	4	5	6	11	12	12	11	5	4	3	4	5	6	8	7	9	9	9	A	21	11	8	8.2	20.7
22-Sep-06	7	7	8	9	10	11	12	11	7	8	5	6	7	5	8	10	11	14	15	A	11	11	13	8	9.2	15.4
23-Sep-06	7	9	12	13	10	13	13	13	13	4	4	3	4	3	4	4	4	4	A	6	5	4	3	3	6.8	13.1
24-Sep-06	2	3	3	3	7	6	15	17	10	9	4	3	4	4	2	3	5	A	10	16	20	14	8	5	7.4	19.6
25-Sep-06	7	7	3	2	3	4	8	9	7	7	5	5	5	4	7	5	A	10	4	20	19	23	9	5	7.7	23.2
26-Sep-06	5	9	13	11	18	19	20	17	13	11	13	7	6	6	6	A	9	7	29	30	34	24	23	24	15.4	34.2
27-Sep-06	21	12	10	14	15	23	18	18	23	24	18	15	12	10	A	13	19	32	34	33	32	10	5	4	18.0	33.8
28-Sep-06	7	5	11	15	21	24	31	19	10	5	5	5	5	A	6	7	7	8	9	12	11	10	13	13	11.2	31.3
29-Sep-06	7	11	7	2	3	5	7	8	9	5	5	5	A	9	8	9	11	13	14	18	19	16	15	16	9.5	18.5
30-Sep-06	18	16	13	10	18	21	13	22	24	19	14	A	15	11	6	7	7	9	9	8	8	7	11	4	12.5	23.7
Hourly Avg	10.7	9.4	9.5	11.1	12.1	15.1	16.7	16.9	14.4	11.7	9.6	7.2	6.7	6.8	7.8	8.6	9.2	9.8	12.3	15.9	17.9	15.1	13.3	11.6		
Hourly Max	22.5	19.3	25.3	26.3	20.7	26.8	31.3	35.5	25.2	26.3	19.8	14.6	15.3	14.8	22.3	23.5	20.1	32.0	33.8	33.0	34.2	31.5	43.5	34.2		

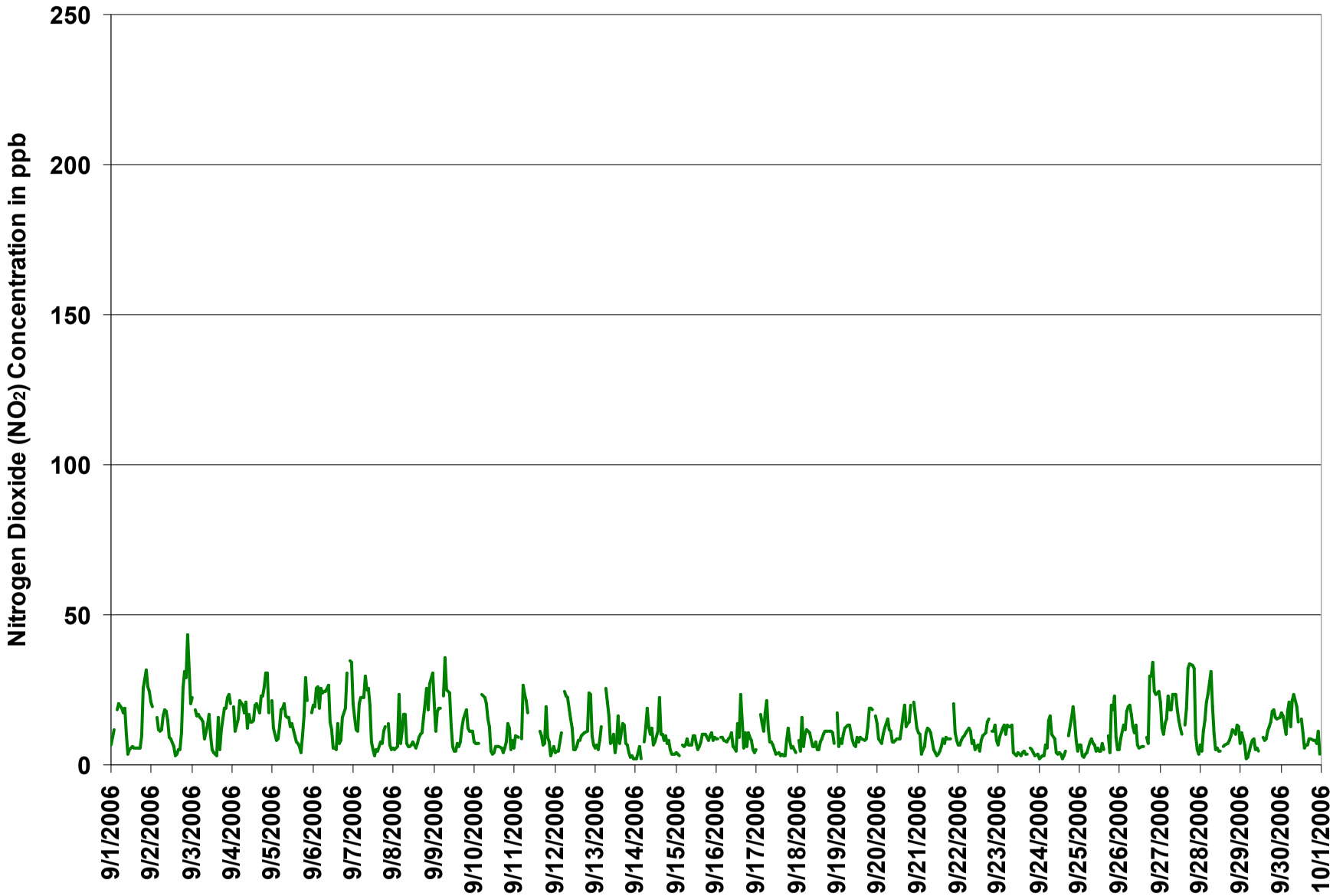
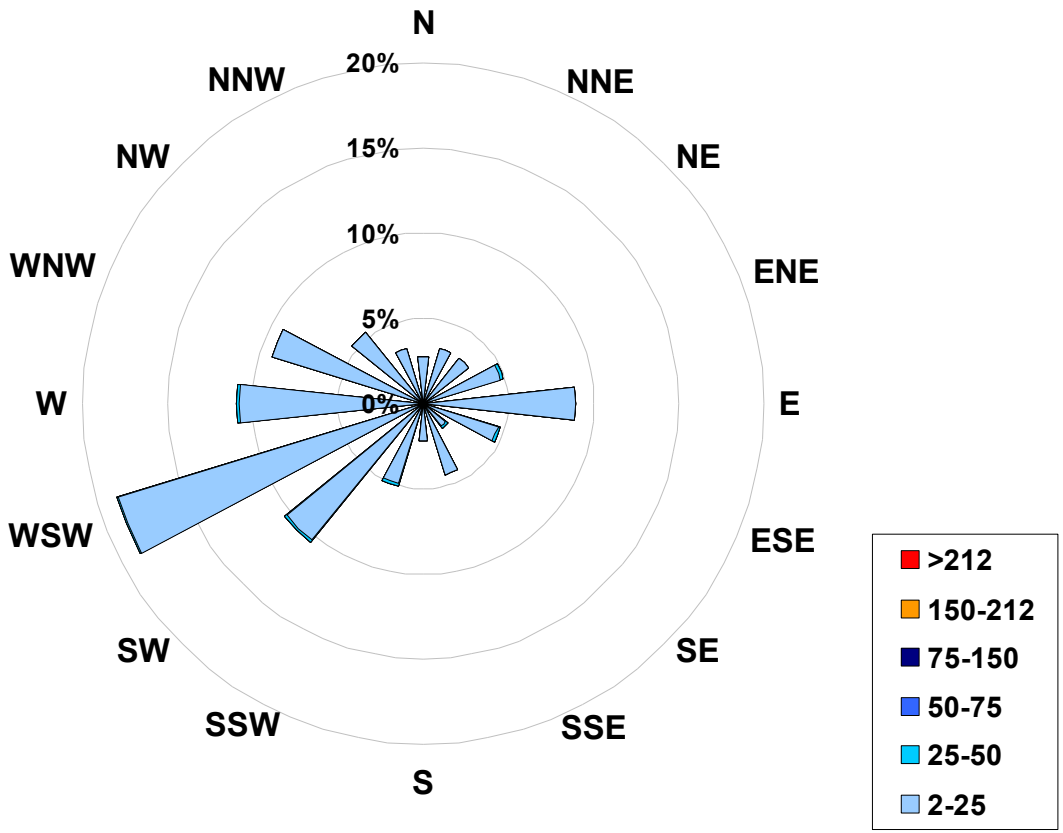


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Nitrogen Dioxide (in ppb) Located at the Henry Pirker Site for September 2006



Calms: 0%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	658
25	to	50	17
50	to	75	4
75	to	150	4
150	to	212	0
	>	212	0
Total Non-Zero Values			683

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

HOURLY AVERAGE TABLE

Nitric Oxide (NO)

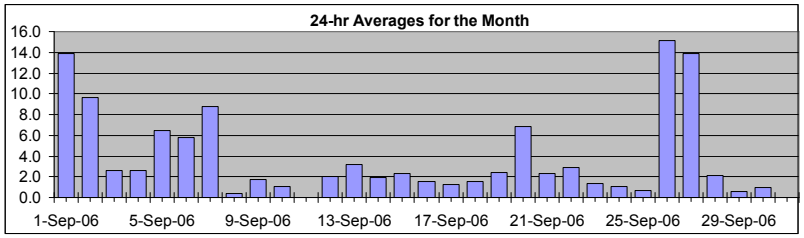
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Guideline Limit: 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	95.5	ppb	1-Sep	21:00 22:00
Maximum 24-hr Average:	15.1	ppb	26-Sep	



AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	52.0	18.9	2.7	0.9	0.3	0.0	0.0	4.0 ppb	0.9 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	1	10	16	13	16	4	1	1	1	1	1	1	1	1	0	4	41	96	59	50	13.9	95.5
2-Sep-06	40	30	A	11	7	6	25	35	22	9	8	3	2	1	0	0	0	0	0	1	5	8	6	0	9.6	40.1
3-Sep-06	2	A	2	1	9	7	19	7	3	2	3	1	0	0	0	0	1	0	0	0	0	0	1	1	2.6	18.6
4-Sep-06	A	0	0	0	1	8	16	8	7	3	1	1	1	1	1	2	1	0	0	1	1	1	0	A	2.6	16.4
5-Sep-06	1	0	0	0	1	11	41	48	19	11	7	3	2	0	0	1	1	0	0	0	2	0	A	0	6.4	47.7
6-Sep-06	0	3	1	1	1	18	36	28	20	10	3	2	0	0	0	1	1	1	1	1	1	A	3	2	5.8	36.3
7-Sep-06	0	0	0	0	1	15	42	87	34	12	3	1	0	0	0	0	1	0	1	0	A	0	0	0	8.7	87.3
8-Sep-06	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	1.7
9-Sep-06	1	0	0	0	0	A	6	15	8	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	14.9
10-Sep-06	0	0	0	0	A	1	7	6	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	6.5
11-Sep-06	0	0	0	A	0	6	26	32	11	C	C	C	C	C	A	1	1	0	0	0	0	0	0	0	N	31.9
12-Sep-06	0	0	0	0	0	A	9	11	8	7	4	1	0	1	1	1	1	1	0	0	1	1	0	0	2.0	11.4
13-Sep-06	0	0	0	0	0	A	18	25	7	2	2	2	1	1	2	1	3	2	2	2	1	0	0	0	3.1	25.3
14-Sep-06	0	0	0	0	A	1	2	4	2	3	4	2	3	3	9	3	2	2	2	1	1	0	0	0	1.9	8.6
15-Sep-06	0	0	0	A	1	1	2	3	2	3	5	5	3	3	3	3	4	3	3	2	2	2	1	0	2.3	5.4
16-Sep-06	0	1	A	1	1	1	2	4	4	3	3	2	2	2	2	4	1	2	1	0	0	0	0	0	1.5	3.9
17-Sep-06	0	A	0	0	1	3	5	5	3	3	2	1	1	1	0	0	0	0	1	1	1	0	0	0	1.3	5.0
18-Sep-06	A	0	0	1	1	1	2	4	3	2	2	2	2	2	3	2	2	2	1	1	1	1	0	A	1.5	3.5
19-Sep-06	1	0	0	0	1	1	4	5	3	2	2	2	3	4	4	4	2	1	1	4	6	5	A	2	2.4	6.0
20-Sep-06	2	1	1	1	4	10	19	25	22	12	11	7	5	4	8	12	9	2	1	0	1	A	1	0	6.9	25.0
21-Sep-06	0	0	0	0	0	3	7	13	3	2	2	2	2	2	2	2	2	1	1	1	A	4	1	1	2.3	12.8
22-Sep-06	0	0	0	1	3	3	7	11	8	8	4	4	3	2	2	2	3	3	3	A	1	0	0	0	2.9	10.9
23-Sep-06	0	0	0	0	0	1	3	7	6	2	2	1	2	1	2	1	1	1	A	1	1	0	0	0	1.4	6.7
24-Sep-06	0	0	0	0	0	0	3	6	2	1	1	1	1	1	0	1	1	A	0	1	4	0	0	0	1.1	6.5
25-Sep-06	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A	1	0	0	1	1	0	0	0.6	1.3
26-Sep-06	0	0	0	0	2	21	14	17	7	7	3	1	1	0	1	A	1	0	3	22	52	74	91	30	15.1	91.1
27-Sep-06	7	1	0	3	1	12	48	52	77	44	23	10	5	2	A	2	2	4	7	13	6	0	0	0	13.9	76.5
28-Sep-06	0	0	0	1	2	10	24	2	1	1	1	1	1	A	0	1	1	0	1	1	0	0	0	0	2.1	23.7
29-Sep-06	0	0	0	0	0	0	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0	0	0	1	0.6	1.4
30-Sep-06	0	0	0	0	0	2	0	1	3	2	2	A	3	2	1	1	1	0	0	0	0	0	0	0	0.9	2.7
Hourly Avg	2.0	1.4	0.2	0.8	1.4	5.7	13.5	15.9	10.3	5.7	3.6	2.2	1.7	1.3	1.7	1.7	1.5	1.1	1.1	2.0	4.6	7.0	5.9	3.1		
Hourly Max	40.1	30.2	1.6	11.4	8.7	21.5	47.6	87.3	76.5	44.2	23.3	9.9	5.2	4.1	8.6	11.6	9.0	4.4	6.8	21.6	52.0	95.5	91.1	49.7		

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

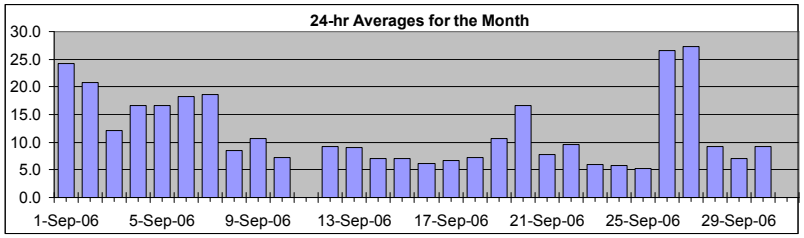
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Guideline Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	121.1	ppb	1-Sep	21:00 22:00
Maximum 24-hr Average:	27.2	ppb	27-Sep	



AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	71.5	35.7	13.4	7.4	4.4	2.3	1.3	12.0 ppb	7.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	5	6	9	A	17	27	32	27	28	9	3	4	4	4	4	4	4	4	5	20	67	121	82	70	24.2	121.1
2-Sep-06	58	45	A	24	17	16	35	49	36	19	19	9	9	4	3	2	2	3	6	21	32	33	23	13	20.8	58.4
3-Sep-06	20	A	18	15	25	23	32	17	11	9	12	6	4	2	2	2	3	3	7	12	14	13	17	13	12.1	31.9
4-Sep-06	A	15	8	12	14	27	34	22	21	12	11	12	12	11	17	18	17	13	16	20	24	17	13	A	16.6	33.7
5-Sep-06	19	8	7	7	11	27	58	65	33	23	18	12	13	6	4	4	4	3	4	9	23	12	A	13	16.6	65.2
6-Sep-06	16	20	15	13	12	40	59	50	37	23	11	11	3	2	2	4	3	4	9	14	18	A	28	25	18.2	58.7
7-Sep-06	16	13	9	8	12	35	63	113	55	31	14	5	3	2	2	3	5	4	9	11	A	8	5	4	18.6	112.5
8-Sep-06	4	4	5	7	6	9	11	13	6	6	5	5	5	4	5	6	7	7	12	15	18	12	17	17	8.5	18.1
9-Sep-06	13	9	8	11	13	A	25	38	25	21	8	3	2	2	2	3	4	6	10	11	9	9	8	5	10.7	37.8
10-Sep-06	5	5	6	5	A	18	24	22	16	9	4	3	3	3	3	3	3	3	4	4	8	7	3	4	7.2	24.2
11-Sep-06	4	4	5	A	7	25	47	50	24	C	C	C	C	C	A	7	6	4	3	9	6	3	2	3	N	49.8
12-Sep-06	2	4	3	5	7	A	30	29	21	18	10	4	3	3	4	6	5	5	5	7	16	13	7	4	9.2	30.2
13-Sep-06	3	3	4	6	9	A	40	44	17	7	6	7	3	4	10	4	12	9	7	5	4	2	2	1	9.1	44.3
14-Sep-06	1	1	1	1	A	7	9	13	10	10	9	7	8	9	20	11	8	7	7	5	5	4	3	3	7.0	20.3
15-Sep-06	2	2	2	A	5	6	7	8	6	7	12	13	8	6	7	7	10	9	8	7	8	8	8	6	7.0	12.5
16-Sep-06	7	7	A	8	6	7	7	10	11	7	7	5	5	5	6	9	5	7	5	6	5	5	2	2	6.2	10.6
17-Sep-06	3	A	13	11	9	15	19	13	9	8	5	3	2	2	2	2	2	3	5	9	7	4	4	3	6.7	18.6
18-Sep-06	A	5	4	6	5	8	11	12	8	6	6	6	5	5	7	7	9	9	9	10	9	9	5	A	7.3	12.0
19-Sep-06	9	5	6	5	7	10	13	15	10	7	7	6	8	10	11	10	8	8	11	19	23	19	A	16	10.7	23.4
20-Sep-06	12	7	7	8	14	22	31	36	31	17	18	14	13	11	16	25	24	12	10	10	17	A	19	9	16.6	35.6
21-Sep-06	8	6	3	4	5	11	17	24	8	6	5	4	4	5	5	6	7	5	6	8	A	17	9	7	7.8	23.7
22-Sep-06	5	5	5	9	10	11	18	20	14	13	8	8	7	5	6	8	10	12	15	A	9	9	10	6	9.6	20.2
23-Sep-06	5	7	7	10	7	11	12	17	14	4	4	3	4	3	4	4	4	3	A	5	4	3	2	2	6.0	17.3
24-Sep-06	2	2	2	2	4	4	11	17	8	5	4	4	4	2	2	3	3	A	7	10	19	8	6	4	5.7	19.0
25-Sep-06	5	5	2	1	2	3	7	7	6	5	4	4	3	4	4	3	A	7	3	9	14	14	5	3	5.2	13.9
26-Sep-06	4	7	10	10	15	37	29	31	17	15	9	4	4	2	3	A	6	4	19	47	77	95	113	51	26.6	112.9
27-Sep-06	21	10	8	14	14	28	64	68	96	63	38	20	13	8	A	11	13	25	34	44	26	4	3	2	27.2	95.5
28-Sep-06	4	3	5	8	17	29	50	17	7	4	4	4	3	A	4	4	3	4	5	7	7	6	9	6	9.2	49.5
29-Sep-06	4	7	3	1	1	3	5	7	6	4	4	4	A	6	7	7	10	9	13	13	14	11	12	11	7.0	13.9
30-Sep-06	11	11	11	5	7	18	7	16	20	16	13	A	14	8	5	5	5	4	7	6	5	4	8	3	9.1	19.9
Hourly Avg	9.5	8.1	6.6	8.1	9.9	17.6	26.9	29.0	20.4	13.3	9.6	6.7	6.1	5.1	6.0	6.4	6.9	6.8	9.0	12.8	17.4	16.7	15.1	10.9		
Hourly Max	58.4	45.2	18.0	24.5	24.6	39.5	63.9	112.5	95.5	62.7	38.0	19.8	13.5	11.2	20.3	24.6	24.1	25.1	33.6	47.4	76.9	121.1	112.9	70.3		

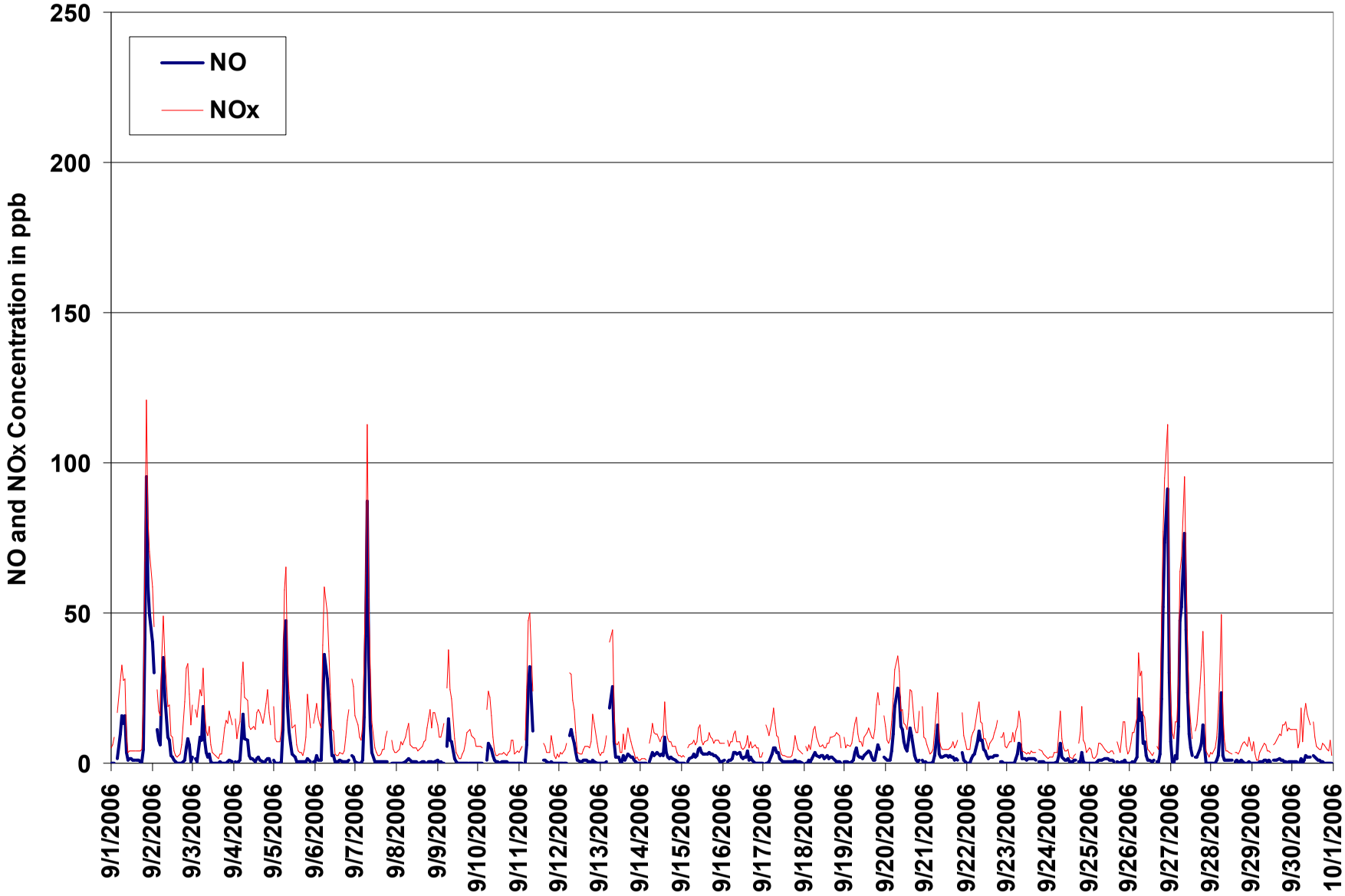


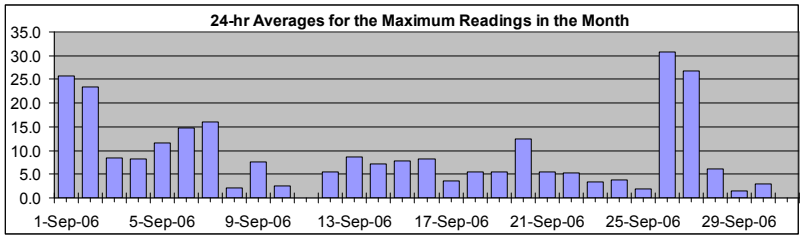
Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	136.9	ppb	1-Sep	21:00 22:00
Maximum 24-hr Value:	30.8	ppb	26-Sep	

AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	91.7	40.9	9.4	3.0	1.2	0.0	0.0	9.4 ppb	3.0 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

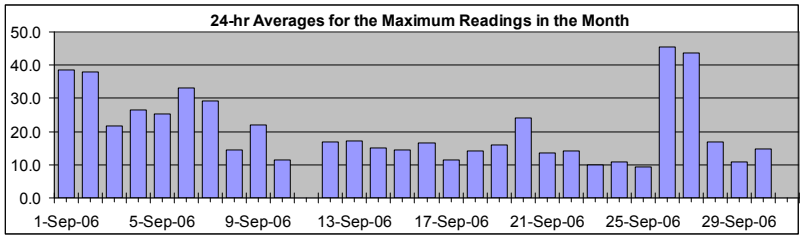
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	2	A	5	20	20	26	59	9	2	4	7	3	3	2	2	2	1	19	85	137	125	60	25.8	136.9
2-Sep-06	60	54	A	19	16	21	31	45	41	22	15	4	3	2	1	1	1	1	1	3	34	51	103	7	23.3	103.3
3-Sep-06	12	A	6	2	24	13	26	16	4	7	11	2	1	1	1	1	24	1	1	3	3	13	12	7	8.3	26.1
4-Sep-06	A	2	0	1	4	22	25	19	24	6	6	3	3	1	3	4	2	3	2	14	18	18	2	A	8.3	24.6
5-Sep-06	3	0	0	0	1	27	78	66	30	17	14	7	3	2	1	3	2	1	1	2	5	2	A	1	11.5	77.8
6-Sep-06	2	11	8	8	12	50	50	39	39	49	7	4	1	3	2	11	6	4	4	3	10	A	13	8	14.9	49.8
7-Sep-06	3	1	0	1	14	58	62	110	73	24	10	2	1	1	1	1	1	2	1	2	A	1	0	1	16.1	110.5
8-Sep-06	1	0	0	4	0	1	4	3	2	2	1	1	1	1	1	1	2	1	1	6	3	9	0	7	2.1	8.6
9-Sep-06	20	0	15	0	4	A	13	38	36	27	6	2	1	1	4	1	1	1	1	0	0	0	0	1	7.5	38.0
10-Sep-06	0	0	0	0	A	7	12	9	9	8	2	1	1	1	1	1	1	1	1	1	1	0	0	0	2.5	12.2
11-Sep-06	0	7	0	A	0	23	50	67	21	C	C	C	C	C	A	3	2	2	1	2	1	1	0	0	N	67.1
12-Sep-06	0	0	0	0	0	A	24	28	29	11	10	4	1	2	2	2	3	2	1	0	3	3	0	1	5.6	28.6
13-Sep-06	0	0	0	0	1	A	40	44	16	4	11	8	2	2	7	5	9	9	9	14	7	7	2	1	8.6	43.9
14-Sep-06	3	2	1	2	A	2	7	20	6	12	15	6	12	6	24	8	7	6	8	8	7	2	1	1	7.1	23.6
15-Sep-06	1	1	1	A	4	6	7	11	7	7	12	13	7	10	7	11	10	12	17	12	8	6	9	2	7.8	16.6
16-Sep-06	3	11	A	3	17	5	15	14	8	13	9	7	6	24	8	23	3	11	5	1	0	0	0	0	8.2	23.8
17-Sep-06	0	A	0	1	2	11	22	9	5	5	4	3	2	1	1	2	1	1	2	2	1	1	2	1	3.5	22.0
18-Sep-06	A	1	1	12	2	5	4	8	7	6	12	8	6	7	7	12	4	5	5	2	2	3	4	A	5.5	12.4
19-Sep-06	6	4	8	2	3	5	10	9	6	4	3	3	5	5	6	5	4	2	2	8	9	9	A	4	5.5	10.5
20-Sep-06	5	3	3	2	10	17	26	40	33	19	16	13	12	9	12	17	24	7	5	2	4	A	2	1	12.4	40.4
21-Sep-06	1	1	0	1	1	5	16	21	16	4	4	5	4	4	6	6	4	3	3	3	A	11	3	1	5.4	20.6
22-Sep-06	0	1	2	3	9	5	12	14	11	13	7	6	5	3	4	5	5	5	4	A	1	1	1	1	5.3	14.0
23-Sep-06	0	1	1	0	1	6	9	12	16	3	3	3	3	3	3	3	3	1	A	1	1	1	1	1	3.4	15.8
24-Sep-06	0	0	0	0	8	3	13	17	5	9	2	2	2	2	1	2	2	A	1	2	11	2	0	0	3.8	17.4
25-Sep-06	0	0	0	0	1	1	2	2	2	2	3	3	3	2	3	2	A	2	1	2	2	8	1	0	1.9	8.3
26-Sep-06	0	0	6	1	29	56	34	30	11	10	10	3	3	3	4	A	2	1	40	52	113	96	112	91	30.8	112.6
27-Sep-06	33	2	1	13	7	47	66	74	86	82	37	24	14	5	A	5	3	20	25	35	32	0	0	0	26.7	86.3
28-Sep-06	0	0	1	20	24	24	43	4	2	1	3	3	2	A	1	2	2	1	2	2	1	1	1	1	6.2	42.8
29-Sep-06	0	1	0	0	0	1	1	1	1	1	2	1	A	2	2	2	2	1	2	2	1	2	1	6	1.6	5.7
30-Sep-06	5	11	2	1	2	5	5	2	6	4	4	A	4	3	2	3	3	1	1	1	1	0	1	0	2.9	11.5
Hourly Avg	5.7	4.1	2.0	3.6	7.3	16.6	24.3	26.6	20.4	13.3	8.3	5.2	4.2	3.9	4.3	5.0	4.7	3.7	5.1	7.0	13.1	13.8	14.1	7.2		
Hourly Max	60.0	54.3	15.0	19.8	28.6	57.5	77.8	110.5	86.3	82.3	36.8	24.2	13.8	23.8	23.6	23.3	24.2	19.6	40.0	52.1	112.6	136.9	125.2	90.8		

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	169.3	ppb	1-Sep	21:00 22:00
Maximum 24-hr Value:	45.5	ppb	26-Sep	

AIC Time:	32 hrs	Operational Time:	683 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	114.5	65.0	23.2	13.1	8.0	4.5	3.0	20.6 ppb	13.1 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	6	9	12	A	22	36	37	43	66	19	6	9	12	9	9	8	7	7	11	44	112	169	150	81	38.5	169.3
2-Sep-06	78	69	A	30	27	32	43	61	58	40	30	13	11	8	4	4	6	5	11	28	65	77	147	28	38.0	147.4
3-Sep-06	35	A	23	19	40	29	39	30	13	21	28	12	5	4	3	3	39	6	13	21	22	36	33	25	21.8	40.3
4-Sep-06	A	20	11	14	17	43	42	37	45	19	19	17	16	16	24	23	19	24	24	37	49	49	19	A	26.6	49.1
5-Sep-06	22	12	8	9	14	45	97	86	45	32	30	19	17	11	9	9	7	5	10	18	33	22	A	18	25.3	96.8
6-Sep-06	21	29	33	34	31	71	73	61	63	75	20	15	6	8	7	23	13	12	19	20	33	A	48	41	33.0	75.5
7-Sep-06	20	16	12	12	35	79	82	137	98	50	30	9	6	3	6	5	9	8	12	15	A	14	6	5	29.2	136.8
8-Sep-06	5	5	6	27	7	12	21	19	9	8	7	7	9	6	8	10	12	11	16	26	28	27	27	36	14.6	35.8
9-Sep-06	40	11	33	19	24	A	34	72	60	52	19	8	6	5	12	7	9	13	16	18	12	11	11	11	21.9	71.8
10-Sep-06	7	7	7	7	A	30	33	29	25	21	6	5	5	7	7	7	6	5	5	8	14	12	5	8	11.6	33.3
11-Sep-06	5	15	9	A	9	46	70	89	38	C	C	C	C	C	A	15	12	8	9	21	10	8	3	7	N	88.8
12-Sep-06	4	4	4	8	11	A	48	51	51	26	23	8	6	7	10	10	12	13	12	12	27	27	10	7	17.0	50.8
13-Sep-06	5	7	5	8	14	A	65	64	32	11	17	18	5	9	23	11	23	21	15	16	10	8	5	3	17.2	65.0
14-Sep-06	5	4	7	4	A	9	18	39	19	22	27	11	15	17	44	17	17	13	17	14	15	6	4	4	15.1	43.8
15-Sep-06	4	5	4	A	8	11	13	20	14	12	21	20	13	14	13	17	20	23	25	18	14	16	16	11	14.5	24.7
16-Sep-06	11	19	A	12	26	12	22	22	17	24	15	13	11	38	16	47	8	22	10	11	9	8	5	4	16.6	47.0
17-Sep-06	5	A	17	14	12	28	44	20	12	13	11	8	5	5	4	5	4	4	10	14	9	7	7	5	11.4	43.6
18-Sep-06	A	8	6	27	8	15	16	19	18	12	16	15	10	11	14	21	14	16	15	13	13	13	10	A	14.1	27.4
19-Sep-06	23	10	17	8	12	17	23	23	17	12	10	9	14	12	15	14	11	11	15	27	27	27	A	19	16.1	27.1
20-Sep-06	19	12	10	12	21	30	40	52	44	27	23	21	21	18	22	32	44	20	16	15	23	A	24	12	24.2	52.1
21-Sep-06	12	11	4	5	8	15	28	32	27	9	8	8	8	9	12	14	11	12	11	12	A	32	13	9	13.4	32.1
22-Sep-06	7	8	10	12	19	16	24	25	19	20	12	12	12	7	12	15	16	19	20	A	13	12	13	8	14.2	24.9
23-Sep-06	7	10	13	14	11	19	22	25	29	7	6	6	7	6	7	7	6	5	A	7	6	5	4	4	10.0	28.9
24-Sep-06	2	3	4	3	14	8	27	34	15	17	6	5	6	6	4	5	7	A	11	18	30	17	8	5	10.9	33.6
25-Sep-06	7	6	3	3	4	5	9	10	9	9	7	9	7	7	11	7	A	11	5	22	20	32	10	5	9.4	31.6
26-Sep-06	6	9	17	12	45	72	54	48	24	20	23	10	9	10	9	A	11	8	68	80	147	121	134	113	45.5	146.9
27-Sep-06	50	14	10	25	20	63	83	91	109	105	55	39	26	16	A	18	22	51	59	67	64	10	5	4	43.7	109.2
28-Sep-06	7	5	12	35	44	44	71	23	12	6	8	7	7	A	7	9	10	8	10	12	12	11	15	13	16.8	70.9
29-Sep-06	7	11	7	2	3	6	8	9	11	7	8	6	A	10	10	10	14	14	15	19	19	16	16	22	10.8	21.6
30-Sep-06	22	24	15	11	20	25	13	24	30	23	18	A	18	14	8	10	10	10	9	9	9	7	12	4	14.9	29.6
Hourly Avg	15.8	12.9	11.3	14.2	18.8	30.3	39.9	43.1	34.2	24.8	17.6	12.1	10.5	10.5	11.6	13.2	13.7	13.3	16.9	22.1	30.2	28.6	27.1	18.3		
Hourly Max	78.4	68.6	32.8	34.8	44.6	79.5	96.8	136.8	109.2	105.1	55.0	38.8	25.9	37.7	43.8	47.0	43.7	51.5	68.5	79.6	146.9	169.3	150.0	113.1		

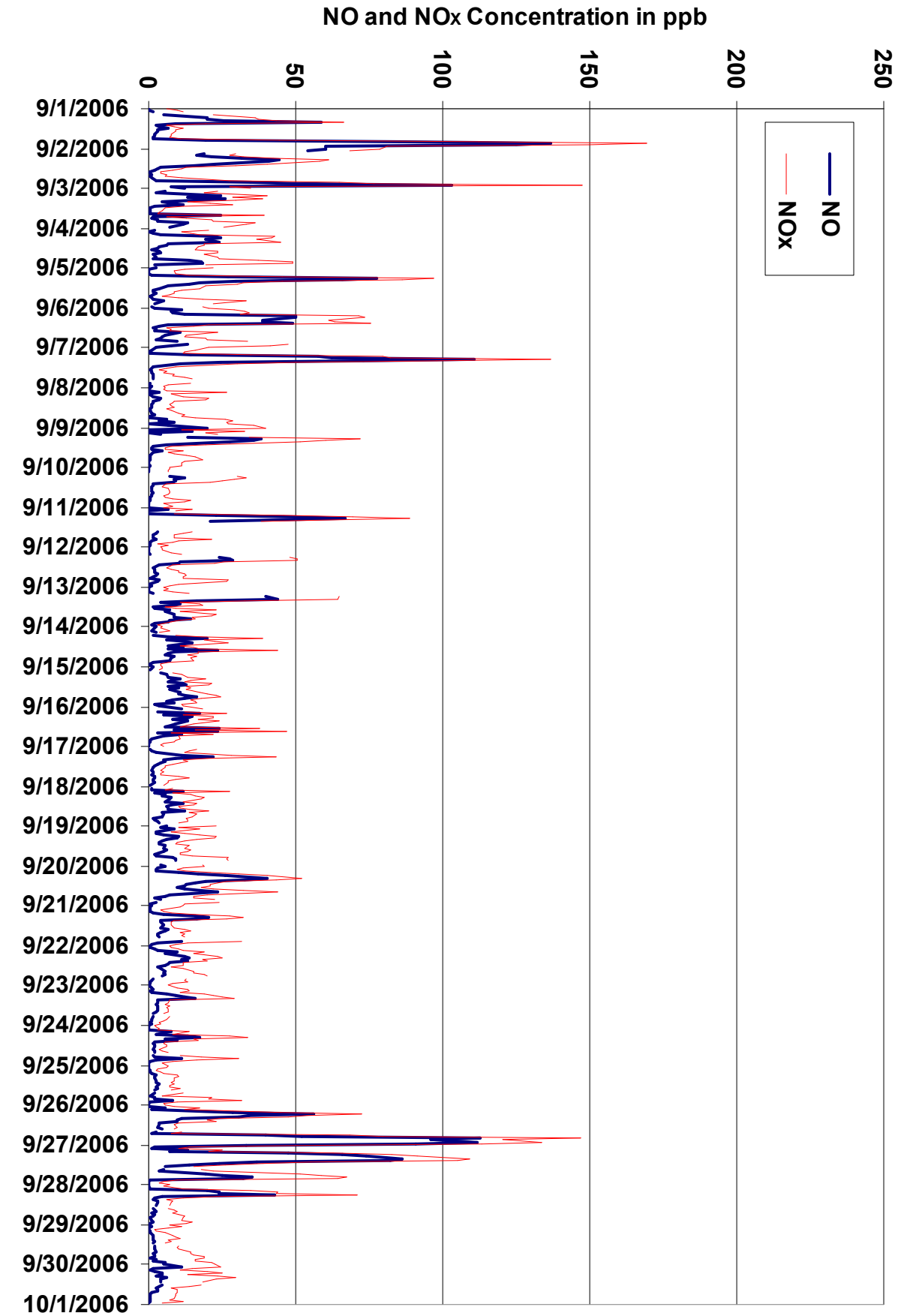


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

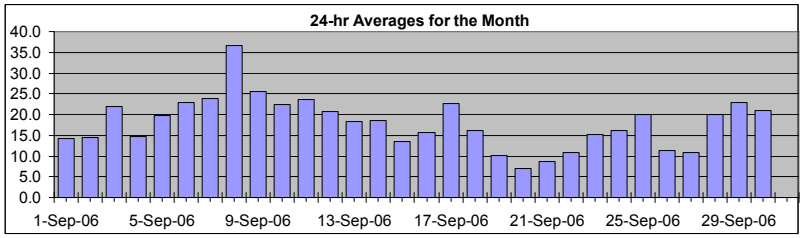
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 82 ppb | 24-hr na ppb

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	51.9	ppb	5-Sep	14:00 15:00
Maximum 24-hr Average:	36.7	ppb	8-Sep	



AIC Time:	32 hrs	Operational Time:	684 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	46.5	39.4	25.2	17.1	9.6	0.9	0.2	18.0 ppb	17.1 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	18	17	13	A	5	0	1	5	8	18	23	23	24	26	26	27	26	26	25	12	1	1	0	1	14.2	26.6
2-Sep-06	0	0	A	0	1	0	0	2	6	13	16	24	29	29	31	34	34	37	34	16	5	2	6	11	14.4	36.8
3-Sep-06	4	A	2	3	0	0	0	7	15	22	29	39	45	41	42	40	41	40	34	26	23	24	11	18	22.0	45.3
4-Sep-06	A	8	14	5	4	0	0	4	5	13	17	22	24	27	22	25	31	32	23	16	7	13	9	A	14.7	31.8
5-Sep-06	2	17	14	10	6	0	0	0	3	7	13	27	39	51	52	41	37	34	31	24	12	20	A	13	19.7	51.9
6-Sep-06	9	4	10	8	9	0	0	3	7	19	31	37	44	46	47	46	45	45	40	31	26	A	11	5	22.8	46.9
7-Sep-06	11	13	13	10	8	0	0	1	7	19	32	41	41	40	38	41	43	41	34	28	A	28	29	30	23.8	42.7
8-Sep-06	31	34	36	34	33	30	27	24	30	34	37	38	41	45	48	48	50	51	46	42	37	39	28	17	36.7	50.7
9-Sep-06	19	21	20	18	15	A	4	3	8	14	30	37	39	40	42	40	39	36	29	28	32	30	25	23	25.6	41.7
10-Sep-06	21	17	16	17	A	5	2	9	16	23	29	33	32	29	29	31	32	32	29	26	21	20	25	23	22.5	32.6
11-Sep-06	24	21	19	A	15	4	0	3	9	15	25	33	32	33	35	34	35	35	33	25	27	29	30	26	23.5	35.4
12-Sep-06	26	22	23	19	18	A	4	6	12	15	C	C	C	C	A	33	33	32	30	25	15	17	21	23	20.7	32.9
13-Sep-06	23	22	21	17	14	A	2	3	12	21	23	27	28	28	25	29	22	20	15	12	13	16	16	16	18.4	29.1
14-Sep-06	18	18	19	22	A	19	18	16	18	19	19	21	21	20	15	19	20	21	19	19	16	16	18	17	18.6	21.7
15-Sep-06	18	18	17	A	15	13	12	12	13	13	11	11	13	15	15	15	12	12	12	13	14	14	13	12	13.6	18.4
16-Sep-06	11	9	A	9	10	9	10	9	8	11	12	16	17	18	17	18	19	19	22	24	24	22	25	25	15.8	24.8
17-Sep-06	25	A	18	16	12	6	2	7	15	19	28	31	34	33	34	34	32	33	30	23	22	24	22	23	22.7	34.3
18-Sep-06	A	22	20	16	15	12	9	9	12	14	15	15	16	17	18	19	19	21	20	18	18	16	18	A	16.2	21.6
19-Sep-06	14	15	13	12	11	7	5	5	7	10	11	14	12	12	12	14	15	16	13	5	2	3	A	4	10.1	15.9
20-Sep-06	4	7	6	5	2	1	0	1	2	4	6	8	9	11	7	6	6	14	19	17	8	A	4	12	6.9	18.7
21-Sep-06	8	9	10	8	7	3	2	1	7	9	8	7	8	11	11	14	15	17	15	10	A	4	7	7	8.6	16.8
22-Sep-06	11	12	11	5	3	3	2	2	5	6	10	12	17	21	19	16	14	12	9	A	19	16	12	15	10.8	20.6
23-Sep-06	17	14	14	9	11	9	6	5	10	16	18	20	20	20	19	19	18	18	A	18	17	17	17	16	15.2	20.1
24-Sep-06	15	15	16	16	14	13	7	8	18	28	24	23	24	24	24	22	21	A	16	10	4	10	11	14	16.3	27.6
25-Sep-06	12	11	14	18	17	16	14	16	19	22	24	26	28	27	28	29	A	27	28	21	14	12	18	21	20.1	28.9
26-Sep-06	20	15	8	7	5	1	1	1	6	8	13	18	23	29	30	A	30	29	14	0	0	1	0	1	11.3	30.3
27-Sep-06	7	11	10	5	5	1	0	1	1	5	7	13	18	23	A	24	21	13	6	0	11	25	23	22	10.9	24.8
28-Sep-06	18	18	14	11	4	1	2	12	22	26	28	30	32	A	31	30	29	25	24	22	21	21	17	18	19.9	31.8
29-Sep-06	19	17	22	26	27	24	23	23	25	31	32	33	A	33	31	29	26	24	17	17	16	13	8	10	22.8	33.1
30-Sep-06	7	5	5	21	23	7	22	10	12	17	18	A	20	24	29	32	33	29	28	28	29	28	23	30	20.9	32.7
Hourly Avg	14.7	14.6	14.9	12.8	11.0	6.9	5.8	6.9	11.3	16.3	20.3	24.1	26.2	27.6	27.7	27.8	27.5	27.2	23.9	19.2	16.2	17.2	16.0	16.2		
Hourly Max	31.2	34.0	35.8	33.6	32.7	29.6	26.8	24.2	30.0	34.0	37.0	40.7	45.3	51.4	51.9	48.4	50.2	50.7	45.9	42.5	36.9	39.5	30.3	29.8		

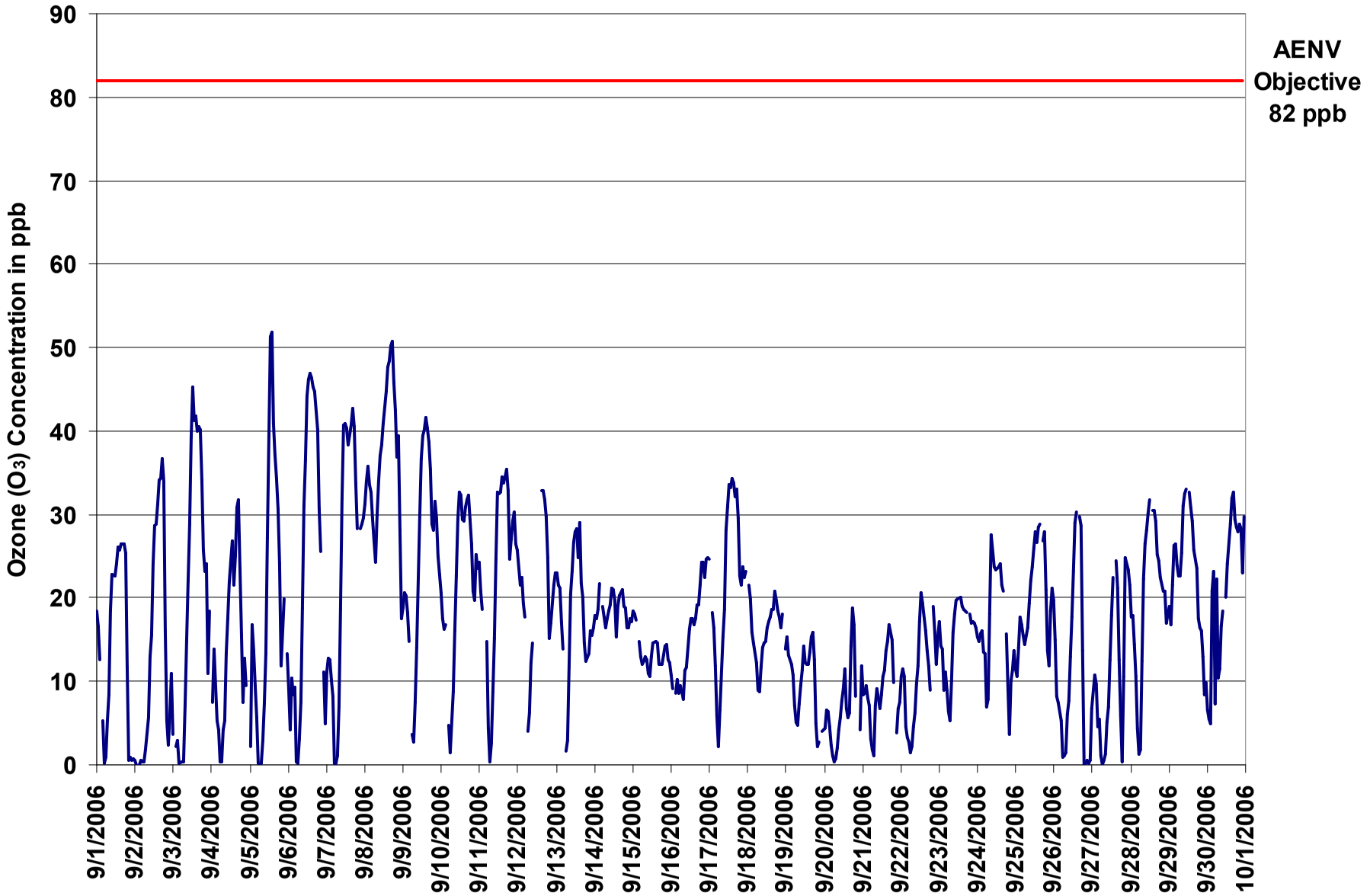


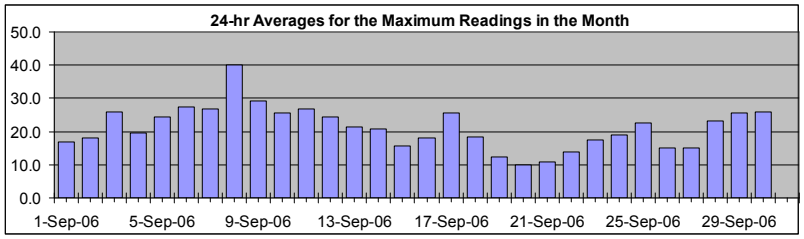
Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	54.7	ppb	5-Sep	13:00 14:00
Maximum 24-hr Value:	40.0	ppb	8-Sep	

AIC Time:	32 hrs	Operational Time:	684 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	50.0	41.9	29.0	20.0	13.1	2.8	1.1	21.2 ppb	20.0 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	21	18	15	A	9	2	3	7	12	23	24	24	26	28	28	29	29	29	29	22	5	2	1	2	16.9	29.1
2-Sep-06	2	1	A	1	2	2	1	3	11	16	21	29	31	31	34	36	35	39	38	28	14	12	13	14	18.1	39.2
3-Sep-06	8	A	5	5	1	1	2	13	19	26	36	43	50	43	46	41	42	42	39	30	26	27	17	30	25.9	50.2
4-Sep-06	A	13	17	11	13	2	1	9	10	19	23	27	28	31	26	31	34	36	30	25	16	19	14	A	19.6	35.9
5-Sep-06	12	20	16	11	9	3	0	1	5	11	17	36	47	55	54	49	39	36	34	29	26	26	A	24	24.3	54.7
6-Sep-06	13	11	18	13	14	4	2	6	10	26	38	39	47	48	49	48	47	47	45	37	30	A	25	9	27.3	49.2
7-Sep-06	17	16	16	13	12	1	1	2	13	25	39	43	43	42	40	42	46	44	37	33	A	30	30	31	26.8	46.1
8-Sep-06	33	36	37	36	34	32	30	28	33	38	39	41	43	47	50	52	53	53	50	48	43	41	39	26	40.0	53.5
9-Sep-06	24	23	22	21	18	A	8	7	13	19	37	39	41	42	44	44	42	40	36	35	33	34	28	25	29.4	43.9
10-Sep-06	24	20	18	19	A	9	7	15	21	27	33	34	34	31	32	33	34	34	32	29	25	24	27	26	25.6	34.1
11-Sep-06	26	23	21	A	17	12	2	6	12	18	34	34	35	35	37	36	37	38	36	30	31	32	31	29	26.8	37.6
12-Sep-06	28	24	24	22	20	A	9	9	18	18	C	C	C	C	A	36	36	34	33	30	25	23	24	25	24.4	35.8
13-Sep-06	25	24	23	21	16	A	4	5	19	23	26	30	31	33	30	32	26	23	20	13	15	17	17	19	21.4	32.9
14-Sep-06	19	19	20	23	A	21	22	20	21	22	22	23	23	23	20	22	22	23	20	20	18	17	19	18	20.8	23.3
15-Sep-06	20	20	19	A	16	15	14	14	14	14	14	12	15	16	17	16	15	14	14	15	17	16	16	15	15.6	19.9
16-Sep-06	12	11	A	10	12	10	11	11	10	13	14	20	19	20	19	20	21	22	27	28	27	25	26	27	18.1	27.9
17-Sep-06	27	A	24	22	14	10	4	12	19	23	32	33	37	35	36	35	34	34	33	26	24	26	26	26	25.7	37.2
18-Sep-06	A	23	22	19	16	14	12	12	14	15	16	17	18	19	20	21	21	24	23	21	20	18	20	A	18.4	23.8
19-Sep-06	17	17	15	14	14	9	7	7	10	12	14	16	16	14	14	15	17	19	17	8	4	4	A	5	12.4	18.7
20-Sep-06	6	7	8	7	5	3	1	1	4	7	15	10	11	14	8	8	10	19	23	21	13	A	9	15	9.8	23.1
21-Sep-06	11	10	11	9	9	5	4	4	10	10	11	8	10	12	13	19	18	20	19	13	A	7	10	8	10.9	19.7
22-Sep-06	12	13	13	8	6	5	3	4	7	9	12	14	20	22	22	20	17	19	13	A	22	20	17	18	13.7	22.5
23-Sep-06	19	17	19	13	15	14	9	8	15	17	20	21	21	21	21	20	19	19	A	19	18	18	18	17	17.4	21.3
24-Sep-06	16	16	17	17	16	15	14	19	26	31	25	24	25	25	25	23	23	A	18	15	8	13	14	15	19.1	30.6
25-Sep-06	13	13	16	19	19	17	16	19	22	24	26	29	30	29	31	31	A	30	29	27	18	17	21	23	22.5	31.1
26-Sep-06	22	18	13	12	9	7	4	7	9	11	18	20	31	33	33	A	33	31	24	3	1	2	1	3	15.0	32.9
27-Sep-06	12	13	12	9	9	4	1	1	2	11	9	17	24	26	A	28	28	19	17	4	22	27	26	23	15.0	28.3
28-Sep-06	20	20	18	16	9	6	11	16	26	29	30	33	34	A	32	32	32	29	28	25	25	23	20	22	23.3	34.1
29-Sep-06	22	20	26	27	27	27	24	24	30	33	34	35	A	34	33	32	29	28	20	20	21	17	14	13	25.6	34.6
30-Sep-06	10	8	8	38	35	15	25	21	22	21	22	A	23	28	31	36	35	32	30	30	32	31	29	31	25.8	38.1
Hourly Avg	17.6	16.9	17.5	16.1	14.2	9.7	8.4	10.4	15.3	19.8	24.2	26.8	29.0	29.9	30.1	30.6	30.2	30.2	28.1	23.6	20.6	20.4	19.7	19.3		
Hourly Max	33.0	35.8	36.7	38.1	34.9	32.0	29.9	27.9	32.6	37.5	38.9	43.4	50.2	54.7	53.6	51.7	52.9	53.5	49.9	48.5	42.6	41.2	39.3	31.0		

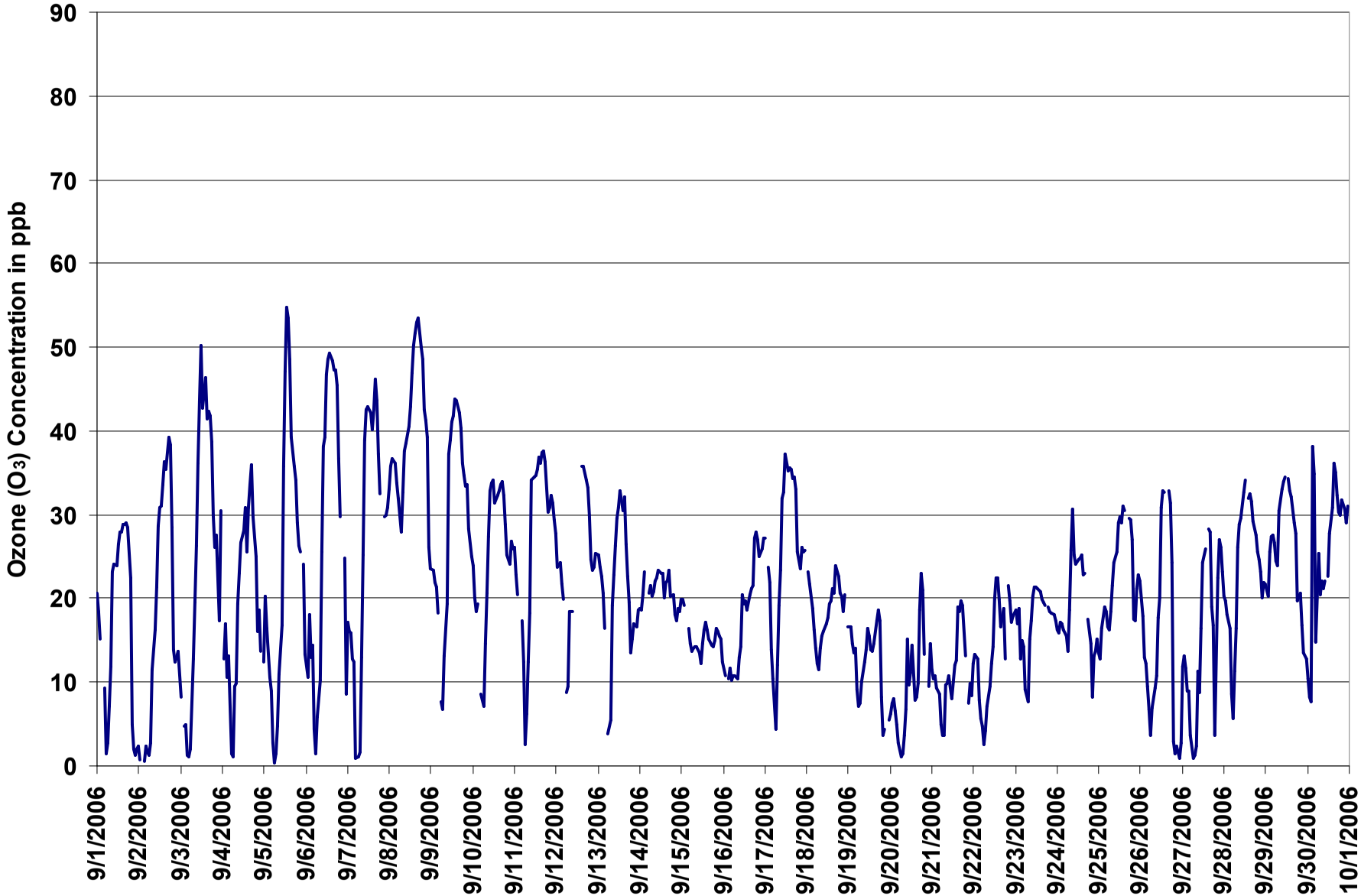
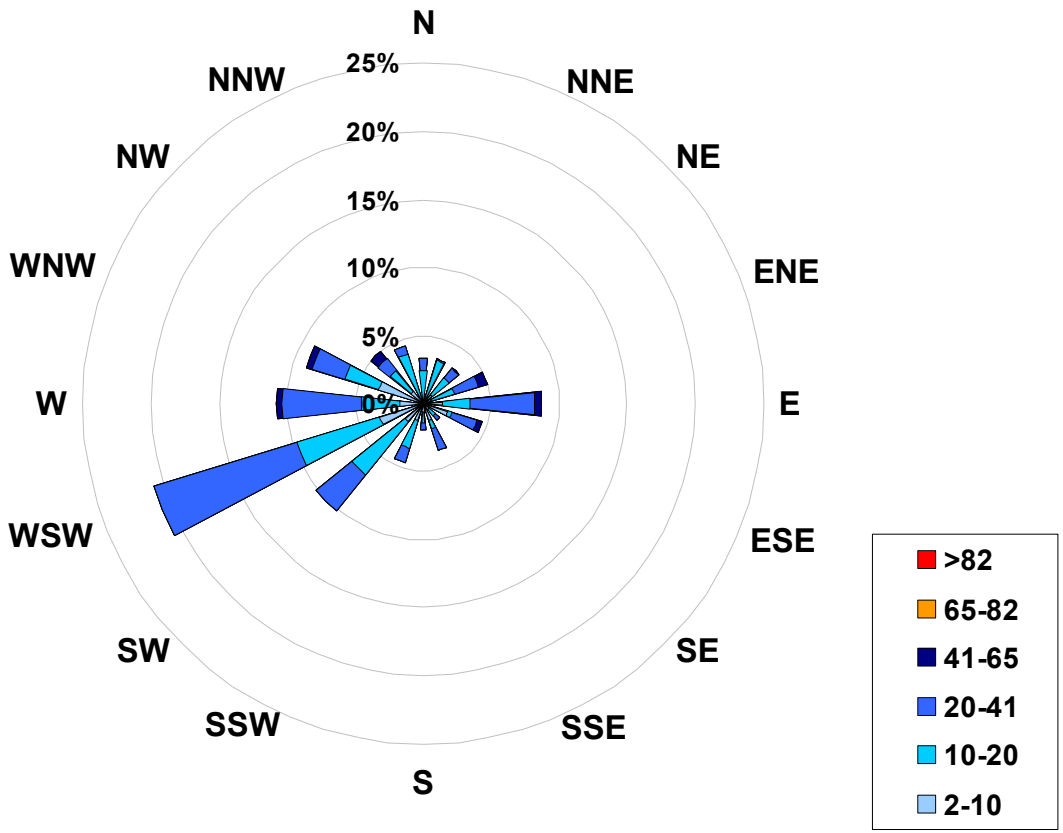


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Henry Pirker Site for September 2006



Calms:	0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	179
10	to	20	239
20	to	41	246
41	to	65	20
65	to	82	0
	>	82	0
Total Non-Zero Values			684

PASZA - Henry Pirker - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

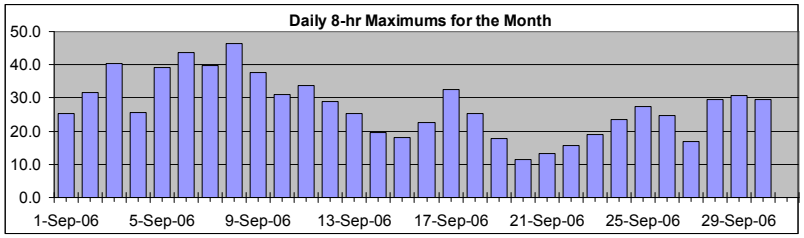
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	46.4	ppb	8-Sep	19:00 20:00



Percentile	99	95	75	50	25	5	1
	42.8	35.1	23.8	16.3	11.2	4.8	2.4

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	11	12	12	11	10	10	9	8	7	7	9	11	13	16	19	22	24	25	25	24	21	18	15	12	25.4
2-Sep-06	8	5	2	0	0	0	0	1	1	3	5	8	11	15	19	23	26	29	32	30	28	24	21	18	31.5
3-Sep-06	14	11	7	5	4	4	3	2	4	6	10	14	20	25	30	34	37	40	40	39	36	34	30	27	40.3
4-Sep-06	25	21	18	15	12	9	7	5	5	6	6	8	11	14	17	19	23	25	26	25	23	21	20	19	25.7
5-Sep-06	15	13	11	10	10	8	7	6	6	5	5	7	11	18	24	29	34	37	39	39	35	31	28	24	39.1
6-Sep-06	20	16	13	11	11	8	7	6	5	7	10	13	18	23	29	35	39	43	44	43	41	40	35	29	43.8
7-Sep-06	24	19	16	13	10	9	8	7	7	7	10	13	18	23	27	32	37	40	40	38	38	36	35	33	39.7
8-Sep-06	31	31	31	32	32	32	32	31	31	31	31	32	33	34	37	40	43	45	46	46	46	45	43	39	46.4
9-Sep-06	35	31	28	25	22	20	16	14	13	12	13	16	19	22	27	31	35	38	38	37	36	34	32	30	37.8
10-Sep-06	28	25	24	22	21	18	14	12	12	12	14	17	18	22	25	28	30	31	31	30	29	28	27	26	31.0
11-Sep-06	25	24	22	22	21	19	15	12	10	9	10	13	15	19	23	27	30	33	34	33	32	32	31	30	33.6
12-Sep-06	29	27	26	25	24	23	20	17	15	14	N	N	N	N	N	N	N	N	N	N	N	26	26	24	29.0
13-Sep-06	23	22	21	20	20	20	17	14	13	13	13	14	16	18	21	24	25	25	24	22	21	19	18	16	25.3
14-Sep-06	16	15	16	17	18	18	18	18	18	19	19	19	19	19	19	19	19	20	20	19	19	18	19	18	19.6
15-Sep-06	18	18	18	17	17	17	16	15	14	14	13	12	12	12	13	13	13	13	13	13	13	13	13	13	18.1
16-Sep-06	13	12	12	12	11	10	10	9	9	9	10	11	11	13	13	15	16	17	18	19	20	21	22	23	22.6
17-Sep-06	23	24	23	22	20	18	15	12	11	12	13	15	18	21	25	28	31	32	33	32	30	29	27	26	32.6
18-Sep-06	25	24	22	21	20	19	17	15	14	13	13	12	13	13	14	16	16	17	18	18	19	18	19	19	25.2
19-Sep-06	18	17	16	15	14	13	11	10	9	9	8	9	9	10	10	12	13	13	13	12	11	10	10	8	17.8
20-Sep-06	7	5	4	4	4	4	4	3	3	3	3	3	4	5	6	7	7	8	10	11	11	11	11	11	11.5
21-Sep-06	12	11	10	8	8	8	7	6	6	6	6	6	6	7	8	9	10	11	12	13	13	12	12	11	13.1
22-Sep-06	10	9	9	8	7	7	7	6	5	4	4	5	7	9	11	13	14	15	15	15	16	15	14	14	15.7
23-Sep-06	14	15	15	15	14	13	12	11	10	10	11	12	13	14	16	18	19	19	19	19	18	18	18	17	19.1
24-Sep-06	17	17	16	16	16	15	14	13	13	15	16	17	18	19	22	23	24	23	22	20	17	15	13	12	23.6
25-Sep-06	11	11	11	12	13	14	14	15	16	17	18	19	21	22	24	25	26	27	28	27	25	23	21	20	27.5
26-Sep-06	20	19	16	14	13	12	10	7	6	5	5	7	9	12	16	18	21	24	25	22	19	15	10	9	24.6
27-Sep-06	6	4	4	4	5	5	5	5	4	3	3	4	6	8	10	13	16	17	17	15	14	14	15	15	16.9
28-Sep-06	15	15	16	18	17	14	11	10	11	12	13	16	19	22	26	29	30	29	29	28	26	26	24	22	29.5
29-Sep-06	21	20	20	20	21	21	22	22	23	25	26	27	27	29	30	31	31	30	28	25	24	22	19	16	30.7
30-Sep-06	14	12	10	11	12	11	13	13	13	15	16	16	15	18	19	22	25	26	28	28	29	30	29	29	29.5
Hourly Max	35.0	31.2	30.9	31.6	31.7	31.9	31.6	31.0	30.8	30.8	31.0	31.6	32.6	34.5	37.1	40.1	42.7	44.7	45.8	46.4	45.9	45.2	42.8	38.9	

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

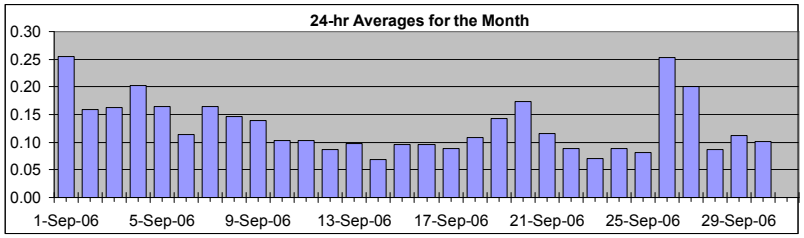
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 13 ppm | 24-hr na ppm

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	1.4	ppm	1-Sep	21:00 22:00
Maximum 24-hr Value:	0.3	ppm	1-Sep	



AIC Time:	32 hrs	Operational Time:	685 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.3	0.1	0.1	0.1	0.1	0.0	0.1 ppm	0.1 ppm

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0.1	0.1	0.1	A	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.4	0.9	0.9	0.26	1.45
2-Sep-06	0.8	0.4	A	0.0	0.0	0.0	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.2	0.2	0.16	0.76
3-Sep-06	0.2	A	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.16	0.24
4-Sep-06	A	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.2	A	0.20	0.39
5-Sep-06	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	A	0.2	0.16	0.36
6-Sep-06	0.2	0.3	0.1	0.0	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	A	0.2	0.2	0.11	0.29
7-Sep-06	0.1	0.1	0.1	0.1	0.1	0.3	0.3	1.1	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.16	1.09
8-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	C	C	C	A	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.15	0.26
9-Sep-06	0.1	0.1	0.2	0.2	0.2	A	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.14	0.21
10-Sep-06	0.2	0.2	0.1	0.1	A	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.10	0.17
11-Sep-06	0.1	0.1	0.1	A	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.10	0.28
12-Sep-06	0.1	0.1	0.1	0.1	0.1	A	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.16
13-Sep-06	0.1	0.1	0.1	0.1	0.1	A	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.10	0.28
14-Sep-06	0.1	0.1	0.1	0.0	A	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.07	0.15
15-Sep-06	0.1	0.1	0.1	A	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.10	0.16
16-Sep-06	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.10	0.13
17-Sep-06	0.1	A	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.20
18-Sep-06	A	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.11	0.18
19-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	A	0.1	0.14	0.28
20-Sep-06	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	A	0.2	0.1	0.17	0.36
21-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.2	0.1	0.1	0.12	0.17
22-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.09	0.13
23-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.07	0.10
24-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.2	0.1	0.1	0.1	0.09	0.20
25-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.08	0.14
26-Sep-06	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.2	0.5	0.9	0.7	1.0	0.5	0.25	0.97
27-Sep-06	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.6	0.6	0.4	0.2	0.1	0.1	0.1	A	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.20	0.59
28-Sep-06	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.23
29-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.11	0.19
30-Sep-06	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.10	0.18
Hourly Avg	0.13	0.11	0.09	0.09	0.09	0.13	0.18	0.22	0.15	0.12	0.10	0.09	0.09	0.08	0.09	0.09	0.10	0.10	0.12	0.16	0.21	0.20	0.18	0.15		
Hourly Max	0.76	0.41	0.18	0.16	0.17	0.29	0.33	1.09	0.59	0.41	0.24	0.21	0.21	0.20	0.23	0.24	0.23	0.22	0.28	0.47	0.89	1.45	0.97	0.90		

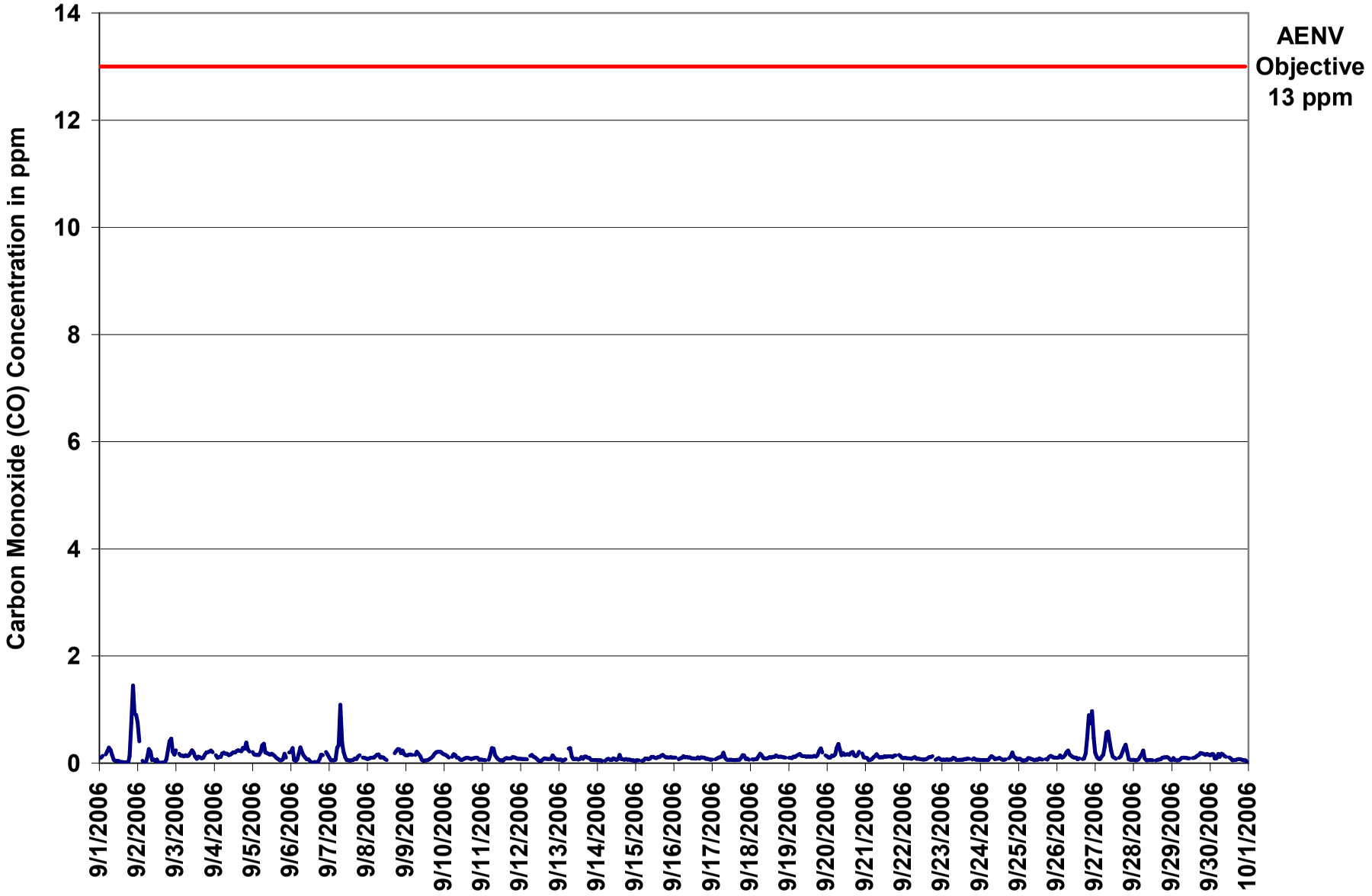


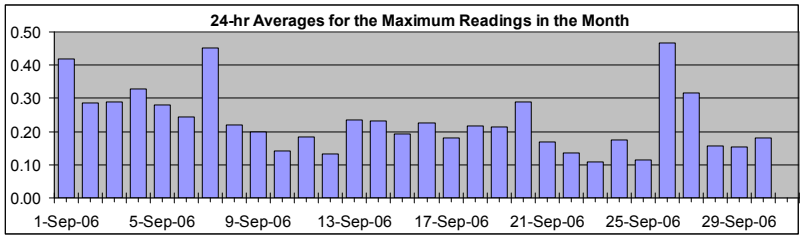
Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	3.8	ppm	7-Sep	5:00 6:00
Maximum 24-hr Value:	0.5	ppm	26-Sep	

AIC Time:	32 hrs	Operational Time:	685 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.3	0.6	0.3	0.2	0.1	0.1	0.1	0.2 ppm	0.2 ppm

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0.1	0.2	0.3	A	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	1.7	2.2	1.7	1.2	0.42	2.18
2-Sep-06	1.0	0.7	A	0.1	0.1	0.1	0.3	0.5	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.4	1.1	0.6	0.4	0.2	0.29	1.13
3-Sep-06	0.4	A	0.8	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.29	0.77
4-Sep-06	A	0.2	0.1	0.2	0.2	0.6	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	1.0	0.6	0.4	A	0.33	0.97
5-Sep-06	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.6	0.2	A	1.4	0.28	1.38
6-Sep-06	0.6	0.9	0.2	0.1	0.1	0.4	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.3	0.2	A	0.3	0.2	0.24	0.86
7-Sep-06	0.2	0.1	0.1	0.1	0.2	3.8	1.0	1.9	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.3	A	0.2	0.2	0.2	0.45	3.80
8-Sep-06	0.1	0.2	0.1	0.1	0.2	0.3	0.4	0.3	0.1	0.2	0.2	0.1	0.2	C	C	C	A	0.2	0.3	0.4	0.3	0.3	0.4	0.3	0.22	0.37
9-Sep-06	0.3	0.2	0.2	0.2	0.2	A	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.20	0.34
10-Sep-06	0.2	0.2	0.2	0.1	A	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.14	0.27
11-Sep-06	0.1	0.1	0.1	A	0.1	0.3	0.7	0.6	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.18	0.71
12-Sep-06	0.1	0.1	0.1	0.1	0.1	A	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.13	0.22
13-Sep-06	0.1	0.1	0.1	0.1	0.1	A	1.3	0.5	0.2	0.1	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.6	0.2	0.1	0.1	0.1	0.24	1.28
14-Sep-06	0.1	0.1	0.1	0.1	A	0.2	0.5	0.4	0.2	0.1	0.3	0.2	0.3	0.6	0.6	0.3	0.2	0.1	0.4	0.2	0.1	0.1	0.1	0.1	0.23	0.61
15-Sep-06	0.1	0.1	0.1	A	0.1	0.2	0.2	0.1	0.1	0.2	0.6	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.60
16-Sep-06	0.2	0.2	A	0.1	0.1	0.1	0.7	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.23	0.73
17-Sep-06	0.1	A	0.1	0.2	0.3	0.2	0.2	1.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.1	0.18	1.05
18-Sep-06	A	0.2	0.1	0.2	0.2	0.5	0.5	0.3	0.2	0.2	0.2	0.1	0.5	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	A	0.22	0.49
19-Sep-06	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.6	0.3	A	0.2	0.21	0.65
20-Sep-06	0.2	0.2	0.1	0.2	0.2	0.3	0.6	0.8	0.4	0.2	0.3	0.3	0.3	0.5	0.2	0.3	0.5	0.2	0.2	0.3	0.3	A	0.2	0.2	0.29	0.76
21-Sep-06	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.2	0.1	0.17	0.30
22-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	A	0.1	0.2	0.2	0.1	0.13	0.21
23-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.11	0.16
24-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	A	0.1	0.2	0.3	0.2	0.2	0.1	0.18	0.60
25-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.11	0.20
26-Sep-06	0.1	0.1	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.4	A	0.1	0.1	0.5	1.1	1.9	0.9	1.2	1.0	0.47	1.94
27-Sep-06	0.5	0.2	0.1	0.1	0.2	0.3	0.4	0.7	0.8	0.8	0.3	0.2	0.2	0.1	A	0.2	0.2	0.3	0.5	0.5	0.5	0.1	0.1	0.1	0.32	0.82
28-Sep-06	0.1	0.1	0.1	0.3	0.6	0.3	0.4	0.2	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.16	0.60
29-Sep-06	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.15	0.37
30-Sep-06	0.6	0.2	0.2	0.1	0.2	0.6	0.3	0.3	0.2	0.2	0.2	A	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.18	0.60
Hourly Avg	0.20	0.18	0.14	0.13	0.18	0.40	0.39	0.40	0.25	0.19	0.19	0.15	0.17	0.15	0.17	0.16	0.16	0.17	0.23	0.27	0.41	0.31	0.28	0.26		
Hourly Max	1.02	0.86	0.77	0.40	0.60	3.80	1.28	1.90	0.82	0.77	0.60	0.31	0.46	0.61	0.56	0.34	0.50	0.51	0.55	1.05	1.94	2.18	1.68	1.38		

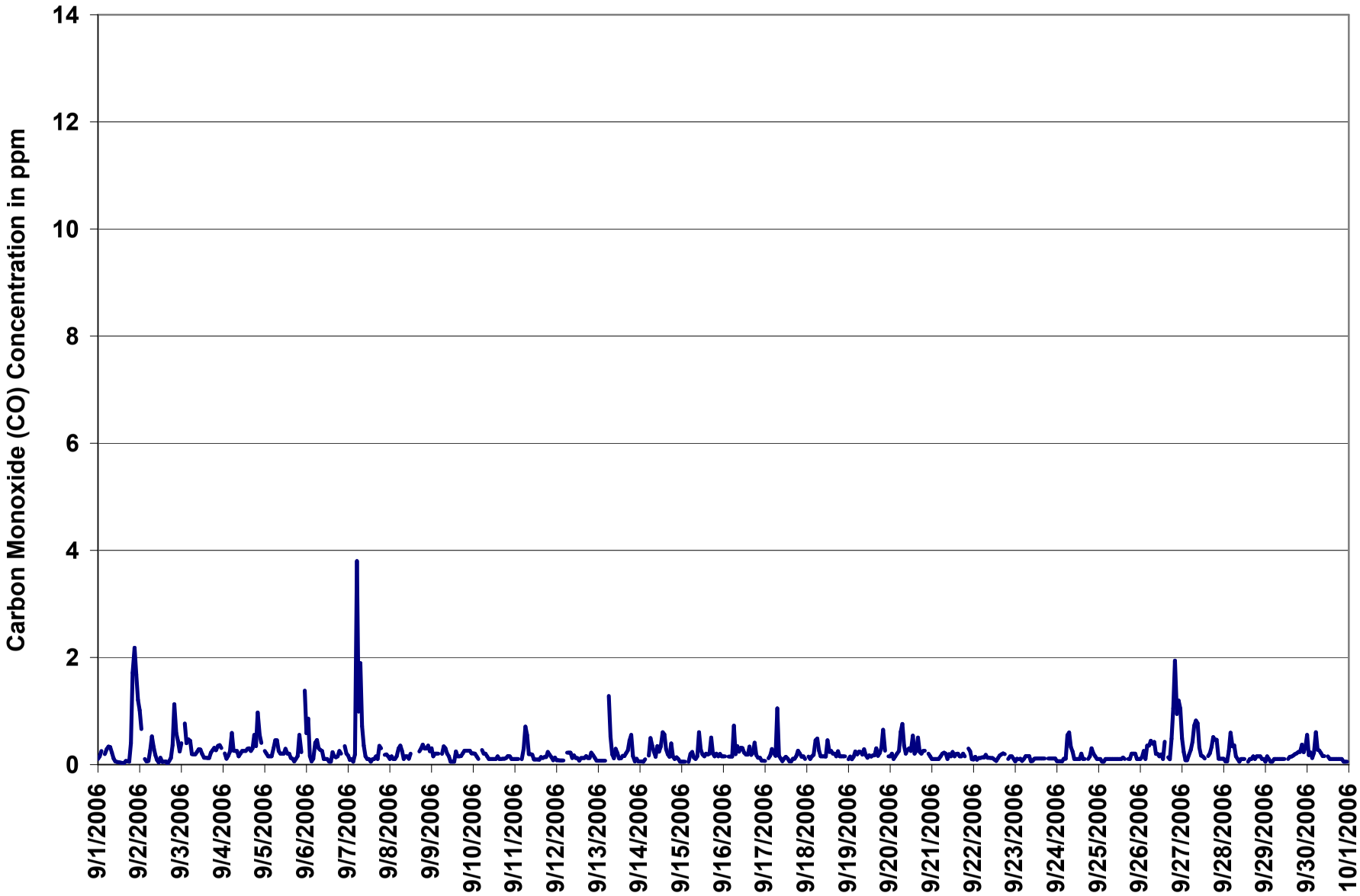
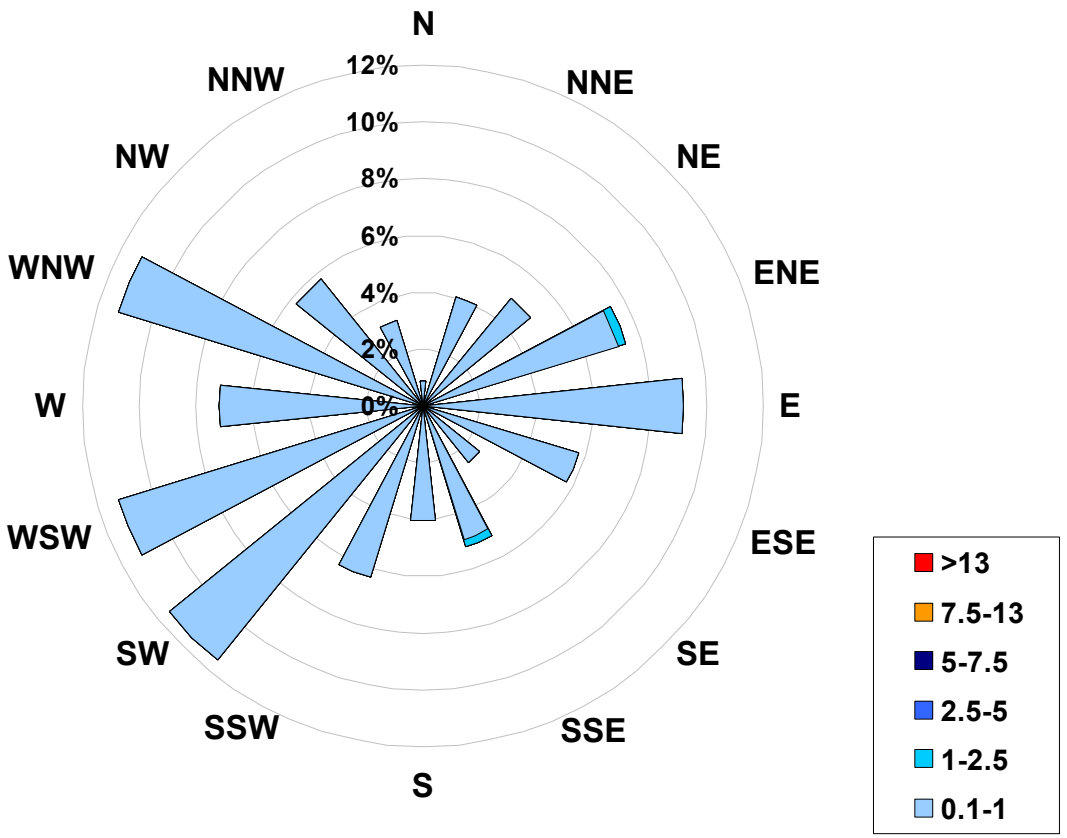


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Carbon Monoxide (in ppm) Located at the Henry Pirker Site for September 2006



Calms: 0%

Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0.1	<	1	683
1	to	2.5	2
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			685

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

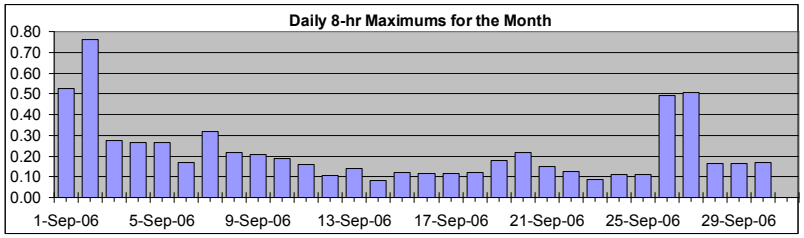
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 8-hr 5 ppm

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	0.8	ppm	2-Sep	2:00 3:00



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Percentile	99	95	75	50	25	5	1
	0.5	0.3	0.2	0.1	0.1	0.1	0.0

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.52
2-Sep-06	0.6	0.7	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.76
3-Sep-06	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.27
4-Sep-06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.27
5-Sep-06	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.26
6-Sep-06	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.17
7-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.32
8-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N	N	N	N	N	N	N	N	N	0.2	0.22
9-Sep-06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.21
10-Sep-06	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.19
11-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.16
12-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.11
13-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14
14-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.08
15-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12
16-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12
17-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.11
18-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12
19-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.18
20-Sep-06	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.22
21-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.15
22-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.13
23-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09
24-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.11
25-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.11
26-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.49
27-Sep-06	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.51
28-Sep-06	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.16
29-Sep-06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.17
30-Sep-06	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.17
Hourly Max	0.62	0.67	0.76	0.75	0.64	0.43	0.32	0.26	0.29	0.31	0.32	0.32	0.32	0.30	0.30	0.23	0.20	0.21	0.22	0.24	0.27	0.36	0.49	0.52	

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

HOURLY AVERAGE TABLE

Total Hydrocarbons (THC)

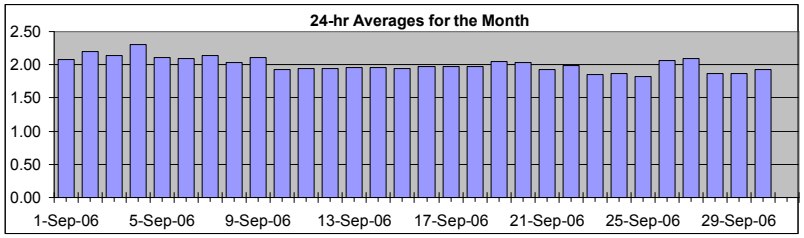
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr na ppm | 24-hr na ppm

Summary

Maximum 1-hr Average:	3.0	ppm	2-Sep	8:00 9:00
Maximum 24-hr Value:	2.3	ppm	4-Sep	



AIC Time:	32 hrs	Operational Time:	685 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	2.4	2.1	1.9	1.9	1.8	1.8	2.0 ppm	1.9 ppm

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1.9	1.9	2.0	A	2.2	2.2	2.2	2.2	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.7	2.6	2.8	2.08	2.80
2-Sep-06	2.8	2.7	A	2.4	2.3	2.3	2.4	2.7	3.0	2.3	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.2	2.4	2.1	2.1	2.19	2.96
3-Sep-06	2.2	A	2.4	2.3	2.6	2.6	2.7	2.3	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.2	2.2	2.14	2.69
4-Sep-06	A	2.3	2.1	2.4	2.3	2.5	2.6	2.4	2.4	2.5	2.4	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	A	2.30	2.64
5-Sep-06	2.5	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.9	1.9	2.0	2.0	A	2.2	2.11	2.55
6-Sep-06	2.2	2.4	2.1	2.1	2.2	2.4	2.5	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	A	2.2	2.2	2.09	2.46
7-Sep-06	2.2	2.2	2.2	2.2	2.3	2.4	2.5	2.9	2.6	2.3	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	A	1.9	1.9	1.9	2.13	2.86
8-Sep-06	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	C	C	C	A	2.4	2.1	2.0	2.1	2.1	2.2	2.2	2.4	2.3	2.03	2.36
9-Sep-06	2.3	2.4	2.6	2.5	2.4	A	2.6	2.4	2.3	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.10	2.62
10-Sep-06	1.9	1.9	1.9	1.9	A	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.92	2.14
11-Sep-06	1.9	1.9	2.0	A	2.0	2.1	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.94	2.14
12-Sep-06	1.9	2.0	1.9	1.9	2.0	A	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.95	2.05
13-Sep-06	1.9	2.0	2.0	2.0	2.0	A	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.96	2.13
14-Sep-06	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.95	1.98
15-Sep-06	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.0	1.9	2.0	2.0	2.0	1.94	1.97
16-Sep-06	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.9	2.0	2.0	1.9	1.97	2.01
17-Sep-06	1.9	A	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	2.0	1.9	1.97	2.09
18-Sep-06	A	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	1.97	2.00
19-Sep-06	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	A	2.1	2.05	2.13
20-Sep-06	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.0	1.9	1.9	1.9	1.9	A	2.1	1.9	2.04	2.14
21-Sep-06	2.0	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.8	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	A	2.0	2.0	2.0	1.92	2.05
22-Sep-06	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	A	1.9	1.9	1.9	1.9	1.98	2.10
23-Sep-06	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	A	1.8	1.8	1.8	1.8	1.8	1.86	1.97
24-Sep-06	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	A	1.8	1.9	1.9	1.9	1.9	1.9	1.87	1.98
25-Sep-06	1.9	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	A	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.82	1.96
26-Sep-06	1.8	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	A	1.9	1.9	2.0	2.2	2.4	2.3	2.6	2.4	2.06	2.60
27-Sep-06	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.5	2.8	2.5	2.4	2.2	2.1	1.9	A	1.9	1.9	1.9	1.9	2.1	2.0	1.8	1.8	1.8	2.09	2.79
28-Sep-06	1.8	1.8	1.9	1.9	2.0	2.0	2.0	1.8	1.8	1.8	1.8	1.9	1.9	A	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.87	2.03
29-Sep-06	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	A	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.87	1.97
30-Sep-06	2.0	2.1	2.0	1.9	1.9	2.0	1.9	2.0	2.0	1.9	1.9	A	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.92	2.06
Hourly Avg	2.03	2.04	2.02	2.04	2.05	2.08	2.12	2.12	2.10	2.03	1.98	1.96	1.94	1.93	1.92	1.93	1.92	1.92	1.93	1.96	2.00	2.01	2.03	2.02		
Hourly Max	2.82	2.67	2.62	2.46	2.58	2.60	2.69	2.86	2.96	2.50	2.37	2.21	2.15	2.27	2.29	2.35	2.21	2.18	2.25	2.20	2.37	2.71	2.63	2.80		

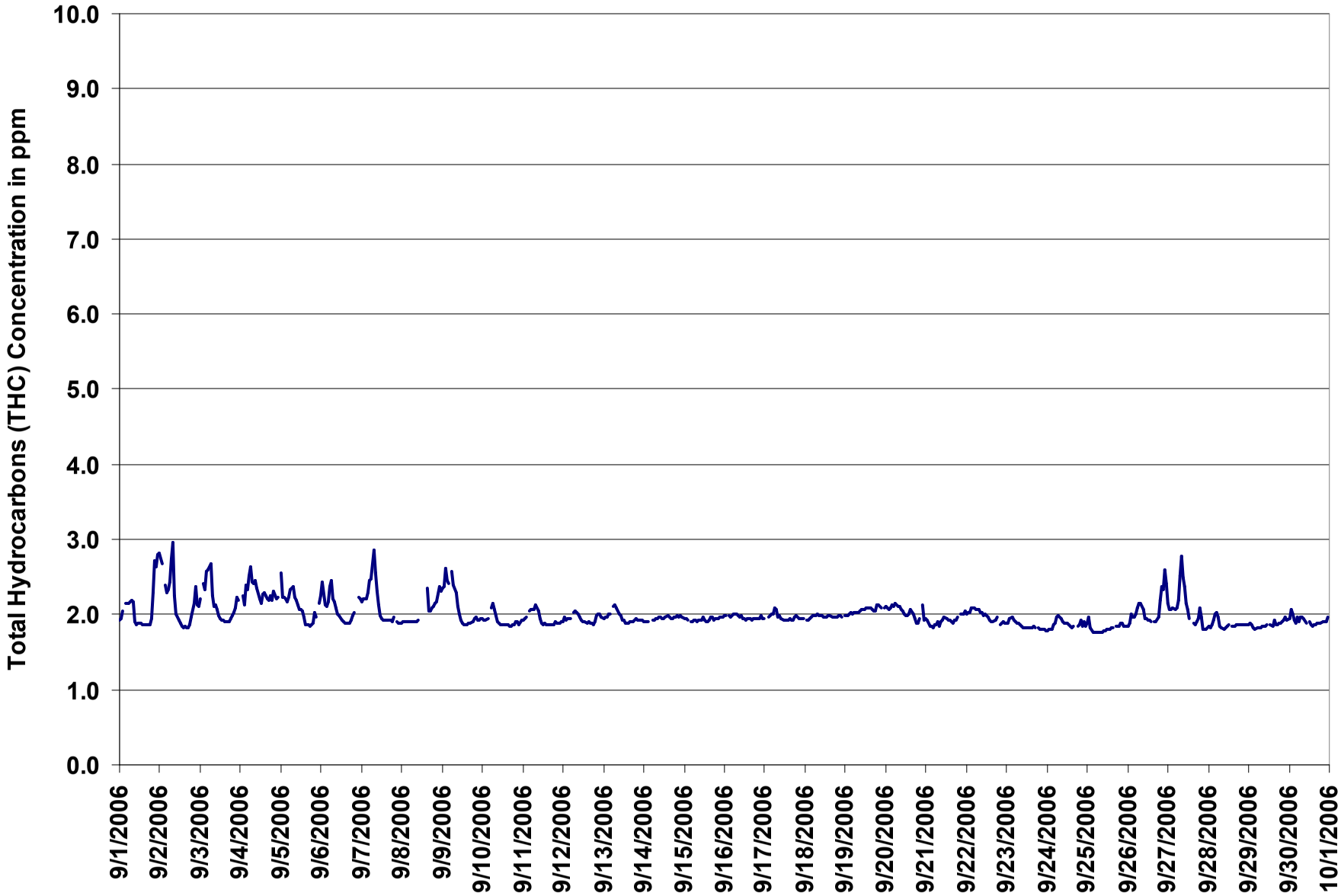


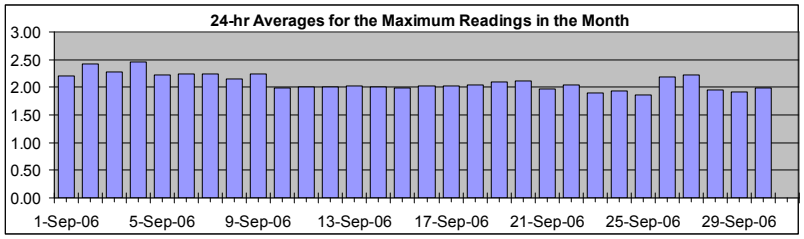
Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	3.7	ppm	2-Sep	0:00 1:00
Maximum 24-hr Value:	2.5	ppm	4-Sep	

AIC Time:	32 hrs	Operational Time:	685 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.0	2.7	2.1	2.0	1.9	1.9	1.8	2.1 ppm	2.0 ppm

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	2.0	2.0	2.1	A	2.3	2.2	2.2	2.3	2.3	2.0	1.9	1.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.5	2.9	3.0	3.0	2.20	3.01
2-Sep-06	3.7	3.7	A	2.5	2.4	2.4	2.5	3.3	3.3	2.7	2.1	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	2.2	2.6	2.8	2.3	2.2	2.43	3.67
3-Sep-06	2.4	A	2.6	2.5	2.8	2.7	2.8	2.5	2.2	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.9	2.0	2.1	2.1	2.1	2.4	2.4	2.4	2.27	2.84
4-Sep-06	A	2.4	2.2	2.6	2.4	2.9	2.8	2.5	2.5	2.5	2.8	2.4	2.2	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.5	2.4	2.4	A	2.46	2.85
5-Sep-06	2.7	2.4	2.3	2.3	2.2	2.3	2.4	2.6	2.3	2.4	2.2	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.3	2.3	A	2.5	2.22	2.69
6-Sep-06	2.5	2.6	2.4	2.2	2.3	2.5	2.7	3.0	2.2	2.2	2.1	2.1	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.1	2.2	A	2.7	2.3	2.25	2.97
7-Sep-06	2.4	2.3	2.3	2.3	2.4	2.8	2.7	3.0	2.8	2.5	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	A	2.0	1.9	1.9	2.24	3.05
8-Sep-06	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.2	C	C	C	A	2.5	2.1	2.1	2.1	2.2	2.2	2.3	3.4	2.7	2.16	3.36
9-Sep-06	2.7	2.6	2.7	2.8	2.5	A	2.7	2.6	2.4	2.3	2.6	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.2	2.0	2.0	2.0	2.23	2.75
10-Sep-06	2.0	2.0	2.0	2.0	A	2.3	2.2	2.2	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.0	1.98	2.25
11-Sep-06	2.0	2.0	2.0	A	2.1	2.1	2.2	2.2	2.3	2.2	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	2.00	2.27
12-Sep-06	2.0	2.1	2.0	2.0	2.0	A	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.0	2.01	2.12
13-Sep-06	2.0	2.0	2.0	2.1	2.1	A	2.4	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	1.9	2.03	2.37
14-Sep-06	1.9	1.9	1.9	1.9	A	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.00	2.06
15-Sep-06	2.0	2.0	2.0	A	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.98	2.10
16-Sep-06	2.0	2.1	A	2.0	2.0	2.0	2.2	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.03	2.21
17-Sep-06	2.0	A	2.0	2.1	2.1	2.1	2.2	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.25
18-Sep-06	A	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.04	2.12
19-Sep-06	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	A	2.1	2.10	2.19
20-Sep-06	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.1	2.0	2.1	2.1	2.1	2.1	2.0	1.9	2.0	2.0	A	2.3	2.0	2.11	2.32
21-Sep-06	2.0	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	A	2.1	2.1	2.1	1.97	2.07
22-Sep-06	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.1	A	1.9	1.9	1.9	1.9	2.04	2.39
23-Sep-06	1.9	1.9	2.0	2.0	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	A	1.8	1.8	1.8	1.8	1.8	1.90	2.07
24-Sep-06	1.8	1.8	1.8	1.8	2.1	1.9	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	2.0	1.9	2.0	1.9	1.93	2.12
25-Sep-06	2.0	2.1	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	A	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.87	2.05
26-Sep-06	1.9	2.0	2.2	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	1.9	2.0	A	1.9	1.9	2.1	2.7	2.6	2.6	2.7	2.8	2.20	2.81
27-Sep-06	2.4	2.1	2.1	2.2	2.2	2.2	2.3	2.8	2.9	2.9	2.6	2.3	2.2	2.0	A	1.9	2.0	2.0	2.0	2.4	2.2	1.9	1.8	1.8	2.22	2.87
28-Sep-06	1.9	1.9	1.9	2.0	2.3	2.4	2.0	1.9	1.9	1.8	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.95	2.38
29-Sep-06	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.9	A	1.9	1.9	2.3	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.0	1.92	2.26
30-Sep-06	2.1	2.2	2.0	2.1	1.9	2.1	2.0	2.0	2.1	2.1	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.0	1.99	2.16
Hourly Avg	2.16	2.14	2.09	2.12	2.15	2.18	2.22	2.25	2.18	2.14	2.09	2.02	2.01	1.98	1.97	1.99	1.96	1.97	1.99	2.05	2.11	2.11	2.16	2.12		
Hourly Max	3.67	3.66	2.74	2.75	2.79	2.85	2.84	3.32	3.29	2.85	2.82	2.37	2.42	2.36	2.35	2.47	2.26	2.30	2.42	2.66	2.63	2.92	3.36	3.01		

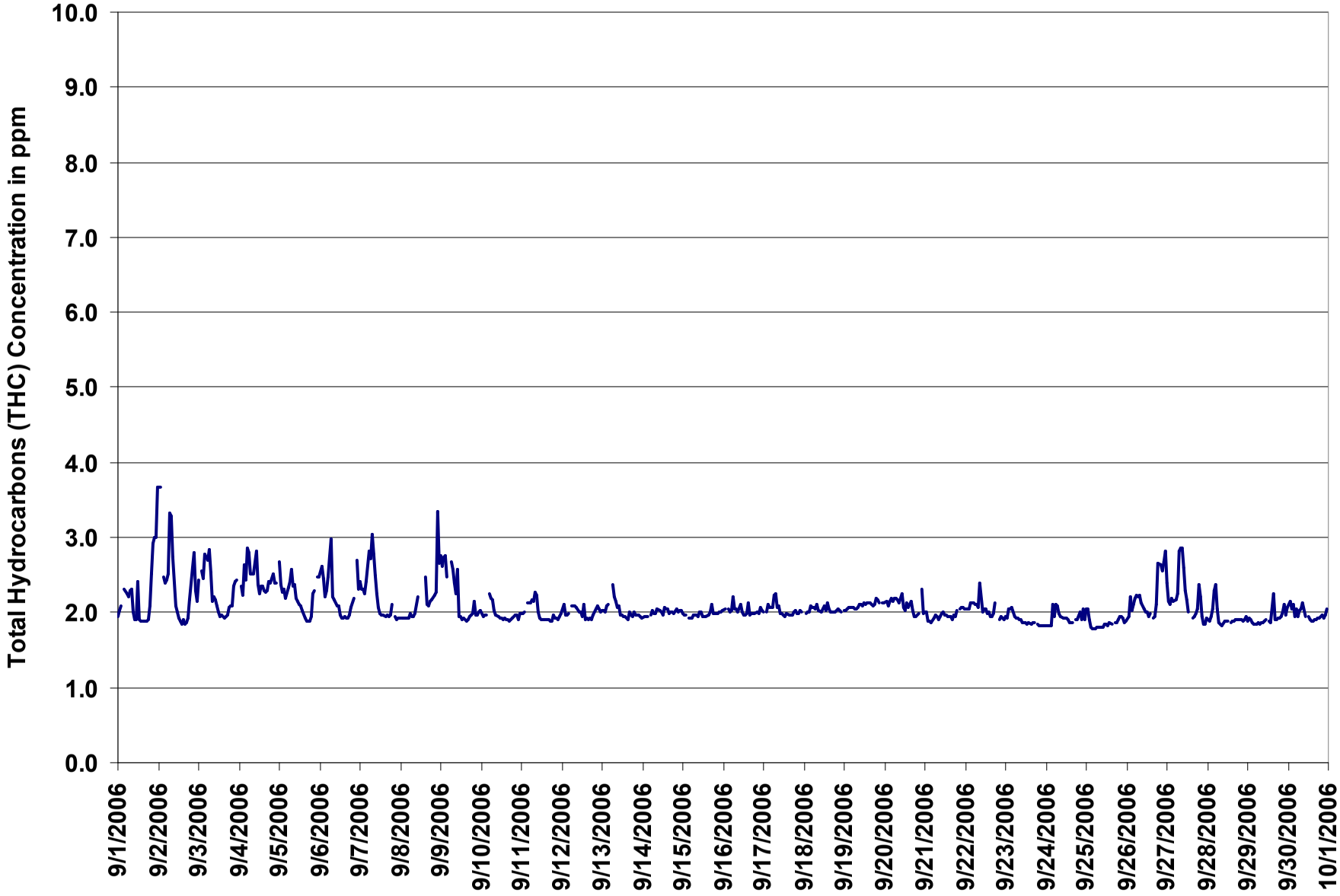
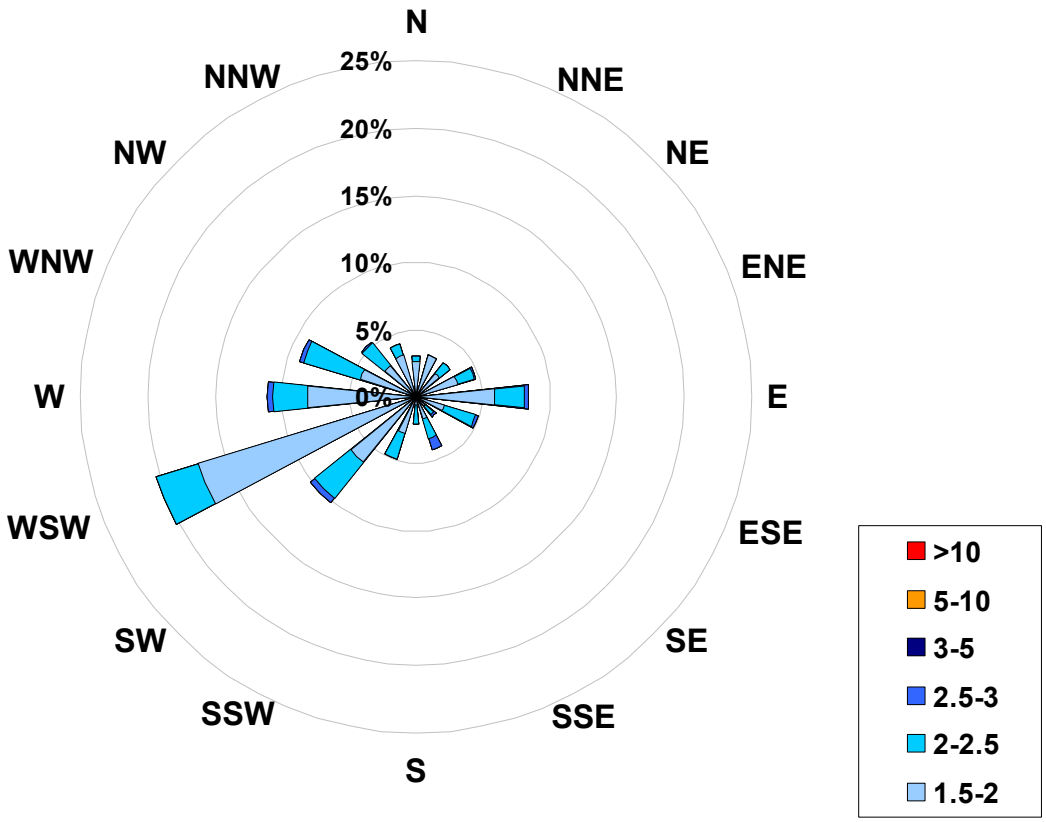


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Total Hydrocarbons (in ppm)
Located at the Henry Pirker Site for September 2006



Calms:	0%

Frequency Distribution of THC in ppm			
Range			Frequency (hrs)
1.5	<	2	460
2	to	2.5	205
2.5	to	3	20
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			685

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

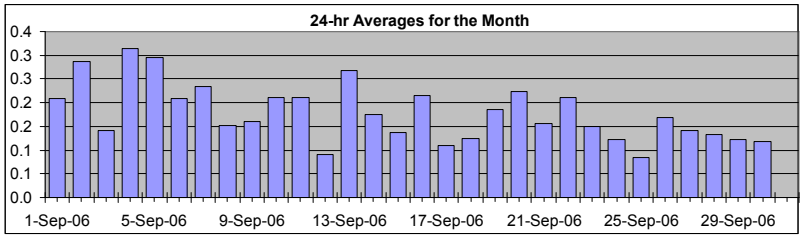
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	0.8	ppb	2-Sep	3:00 4:00
Maximum 24-hr Value:	0.3	ppb	4-Sep	



AIC Time:	32 hrs	Operational Time:	686 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.6	0.4	0.2	0.2	0.1	0.0	0.0	0.2 ppb	0.2 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.2	0.6
2-Sep-06	0	1	A	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8
3-Sep-06	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
4-Sep-06	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.3	0.5
5-Sep-06	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.3	0.6
6-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.4
7-Sep-06	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.2	0.7
8-Sep-06	0	0	0	0	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0	0	0.2	0.4
9-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
10-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
11-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
12-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
13-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
15-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
16-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
17-Sep-06	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
18-Sep-06	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.1	0.2
19-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.2	0.3
20-Sep-06	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.6
21-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.2	0.2
22-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.2	0.3
23-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.1	0.3
24-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.1	0.2
25-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.1	0.2
26-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.2	0.4
27-Sep-06	0	0	0	0	0	0	0	0	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.6
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.2
29-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
30-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
Hourly Avg	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2		
Hourly Max	0.5	0.6	0.3	0.8	0.6	0.6	0.5	0.7	0.6	0.5	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.4		

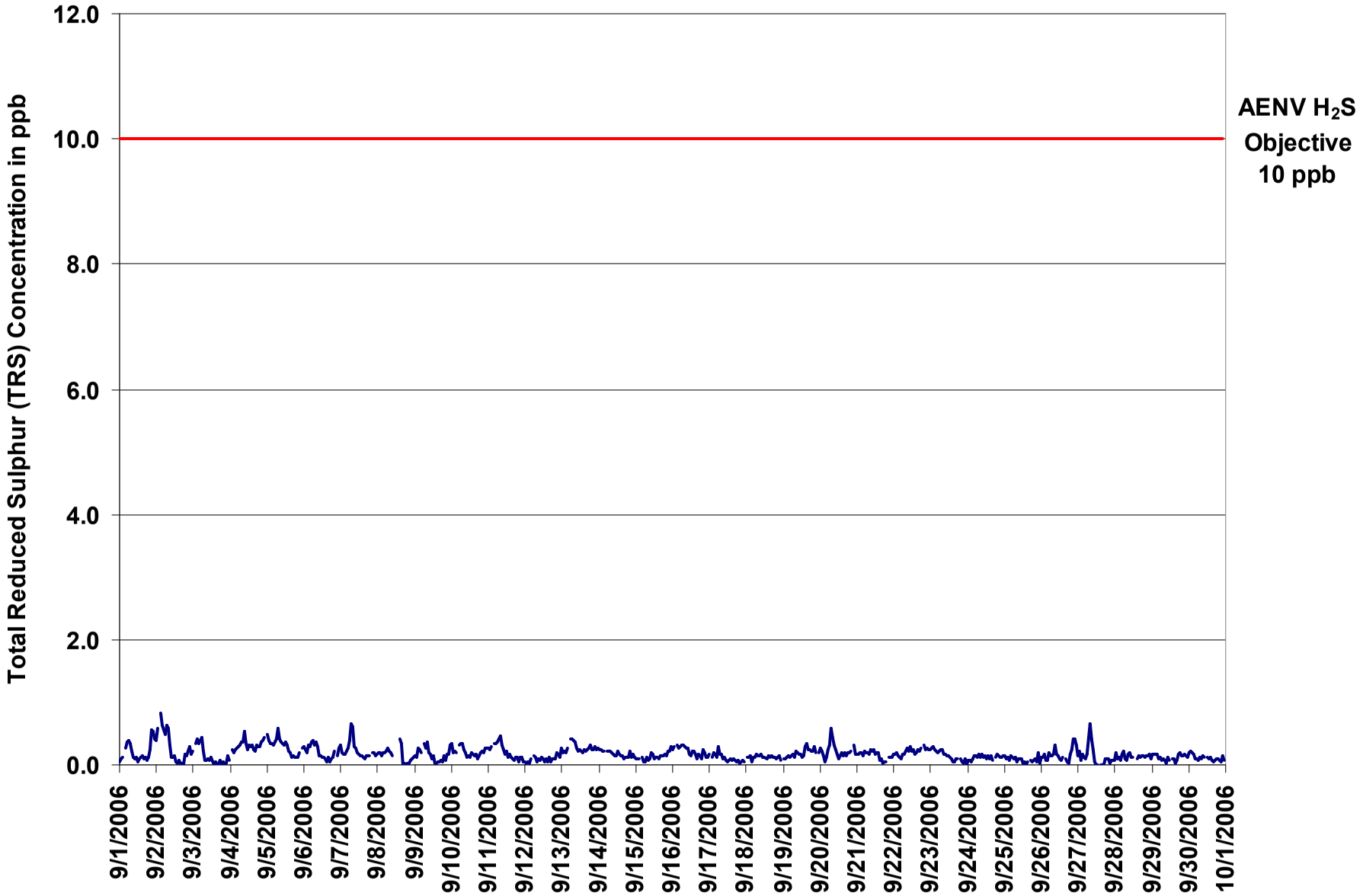


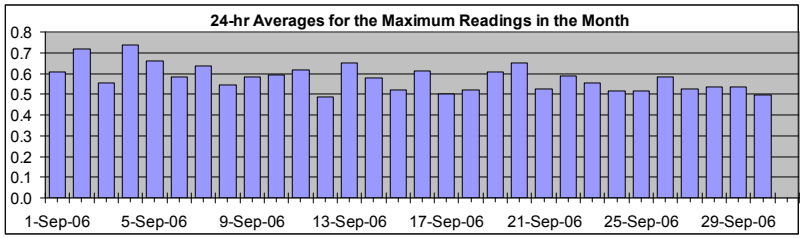
Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	1.2	ppb	2-Sep	3:00 4:00
Maximum 24-hr Value:	0.7	ppb	4-Sep	

AIC Time:	32 hrs	Operational Time:	686 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.1	0.8	0.6	0.6	0.5	0.4	0.3	0.6 ppb	0.6 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	1	1	1	1	1	0	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.6	1.0
2-Sep-06	1	1	A	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	0	0	0	1	1	1	0.7	1.2
3-Sep-06	1	A	1	1	1	1	1	1	1	0	0	1	1	0	1	1	0	0	0	1	0	0	1	1	0.6	0.9
4-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.7	1.1
5-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	A	1	0.7	1.0
6-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	1	0	1	A	1	1	0.6	0.8
7-Sep-06	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	A	1	1	1	0.6	1.1
8-Sep-06	1	1	1	1	1	1	0	1	0	1	1	C	C	A	1	1	0	1	0	0	0	1	0	0	0.5	0.8
9-Sep-06	0	1	1	1	1	A	1	1	1	1	1	0	1	0	0	0	0	0	0	1	0	1	1	1	0.6	0.8
10-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	0.6	1.0
11-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	0	1	0	0.6	0.9
12-Sep-06	0	0	0	0	1	A	0	0	1	1	1	0	1	0	1	0	0	0	1	0	0	1	0	0	0.5	0.6
13-Sep-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
14-Sep-06	1	1	1	1	A	1	1	1	1	1	0	0	1	0	1	1	1	0	1	0	1	1	1	0	0.6	0.9
15-Sep-06	0	0	1	A	0	1	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0.5	0.7
16-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	0	0.6	0.8
17-Sep-06	1	A	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0.5	0.8
18-Sep-06	A	1	1	0	0	0	1	1	1	0	0	1	1	0	1	0	1	1	0	1	0	1	0	A	0.5	0.8
19-Sep-06	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.9
20-Sep-06	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	A	1	1	0.7	1.2
21-Sep-06	1	0	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	0	0	0	A	0	1	1	0.5	0.6
22-Sep-06	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	A	1	1	1	1	0.6	0.8
23-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	A	1	1	0	0	0	0.6	0.8
24-Sep-06	0	1	0	1	0	1	1	1	1	1	0	1	1	1	0	1	1	A	1	1	0	0	0	0	0.5	0.7
25-Sep-06	1	1	0	0	0	1	1	1	1	0	1	0	0	0	0	1	A	1	1	1	1	1	1	0	0.5	0.7
26-Sep-06	1	0	1	1	0	1	0	0	1	1	1	0	0	0	1	A	1	1	0	1	1	1	1	1	0.6	0.8
27-Sep-06	0	1	0	1	0	0	1	1	1	1	1	0	0	0	A	0	0	0	1	1	0	0	1	0	0.5	1.1
28-Sep-06	1	1	0	0	0	1	1	1	1	1	1	1	1	A	0	0	0	0	0	1	1	1	1	1	0.5	0.8
29-Sep-06	1	1	1	1	1	1	1	0	0	0	1	0	A	1	1	1	0	1	1	1	1	1	1	1	0.5	0.7
30-Sep-06	1	1	0	0	1	1	0	1	0	1	0	A	1	1	1	0	0	0	0	0	0	0	0	0	0.5	0.7
Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6		
Hourly Max	1.0	1.1	0.7	1.2	1.2	1.0	1.0	1.2	1.1	1.1	0.9	0.7	0.8	0.7	0.8	0.8	0.7	0.7	0.9	0.7	0.9	0.9	1.0	0.9		

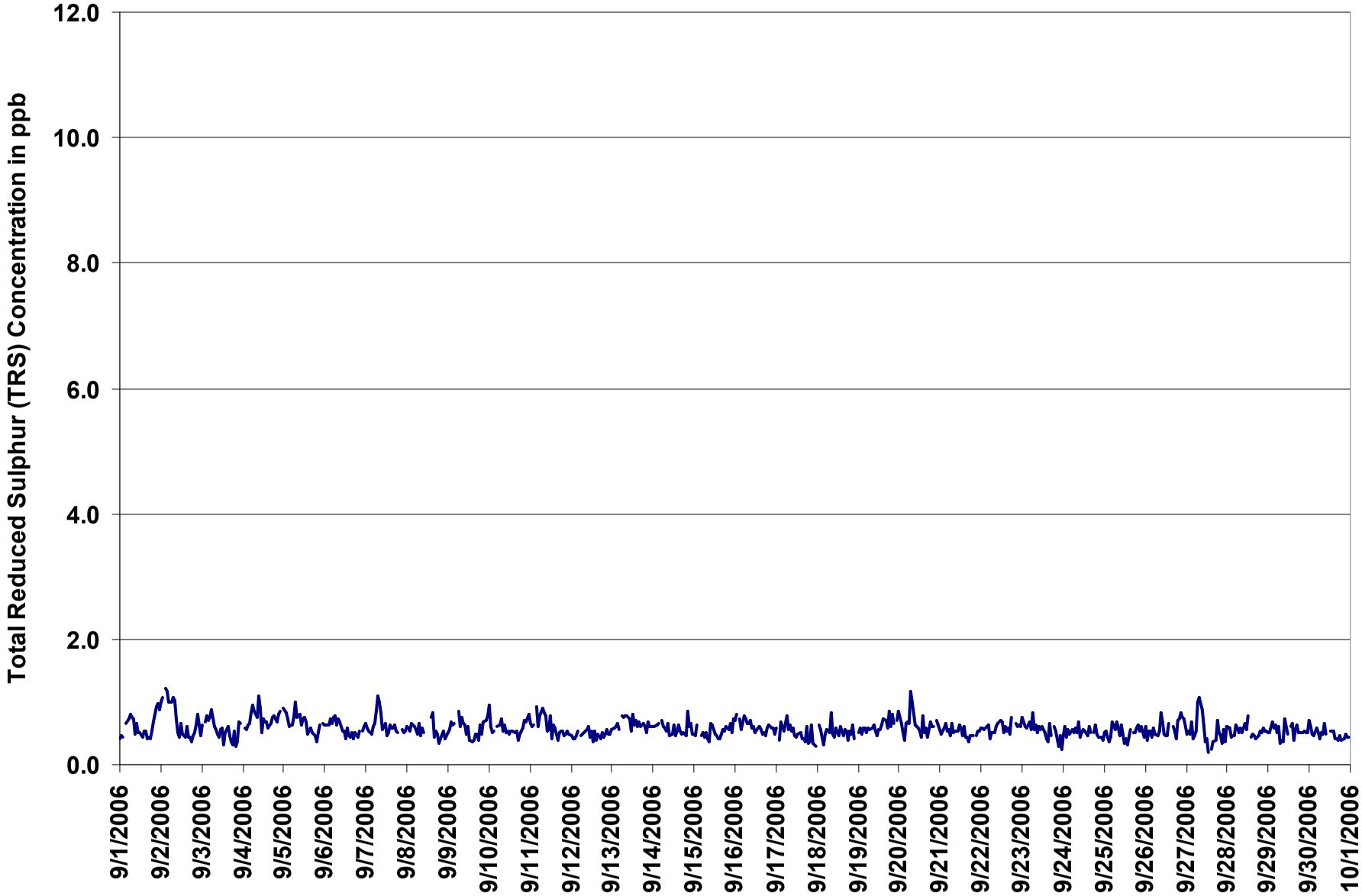
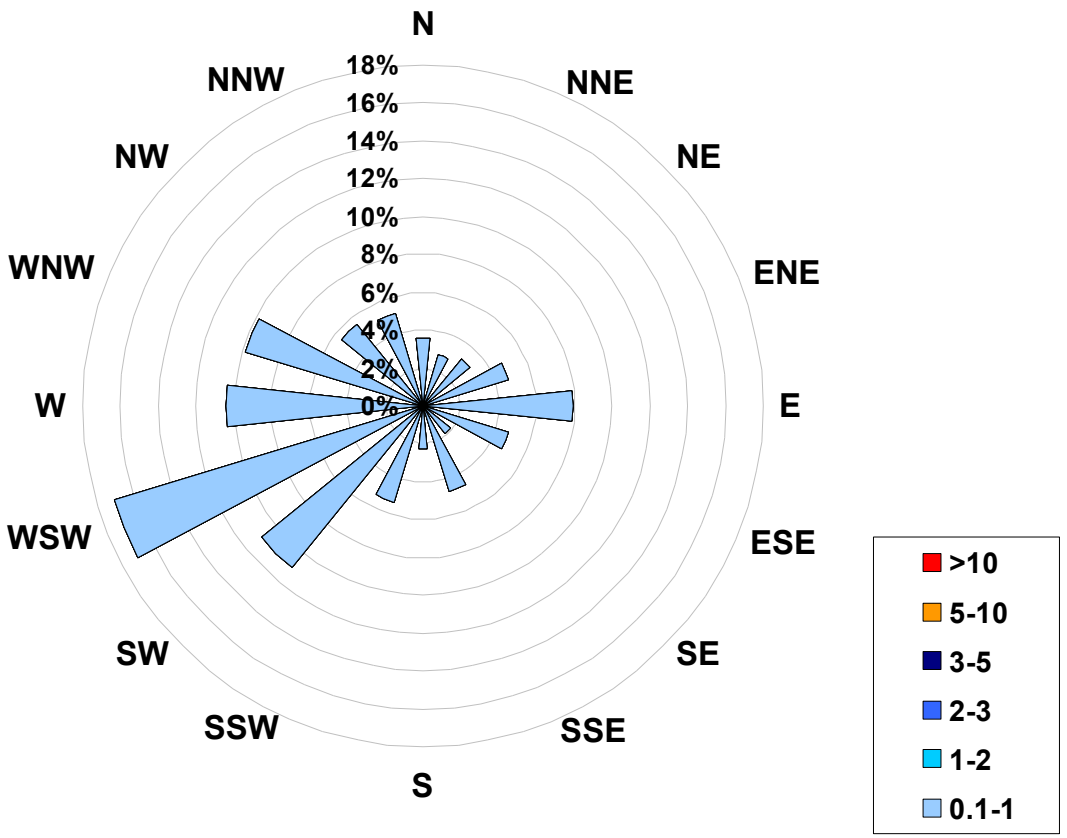


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Henry Pirker Site for September 2006



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	686
1	to	2	0
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			686

PASZA - Henry Pirker - Particulate Matter (less than 2.5 microns) Monthly Summary

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

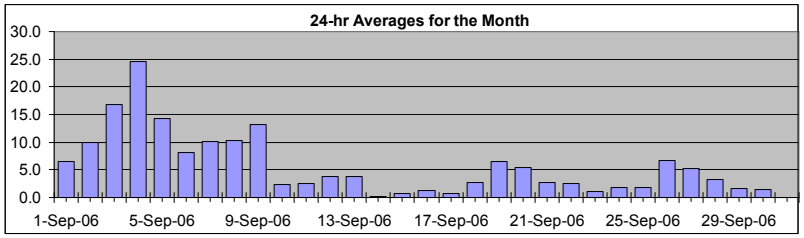
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Draft Objective Limit: **Alberta Environment:** 1-hr - $\mu g/m^3$ | 24-hr 30 $\mu g/m^3$

Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	61.0	$\mu g/m^3$	4-Sep	20:00 21:00
Maximum 24-hr Value:	24.6	$\mu g/m^3$	4-Sep	



AIC Time:	0 hrs	Operational Time:	717 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	28.9	20.9	7.1	2.8	1.1	0.0	0.0	5.8 / 3 $\mu g/m^3$	3.6 $\mu g/m^3$

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	3	2	3	3	6	8	11	7	5	2	1	1	0	0	1	2	4	2	2	6	18	21	25	23	6.5	25.1
2-Sep-06	22	17	14	11	8	5	8	14	12	8	5	4	4	1	0	2	2	3	5	10	16	26	29	15	10.0	29.1
3-Sep-06	15	14	13	13	12	10	12	14	23	30	35	31	17	10	13	12	9	9	12	12	15	21	28	22	16.7	35.3
4-Sep-06	19	21	19	20	16	18	19	20	21	20	17	20	20	22	21	21	24	24	26	37	61	50	29	23	24.6	61.0
5-Sep-06	19	19	18	16	14	14	18	21	19	18	16	16	16	16	12	6	7	7	6	13	23	12	8	13	14.4	23.2
6-Sep-06	10	16	2	6	5	9	18	15	16	12	7	7	3	0	0	0	1	2	6	8	10	7	13	24	8.2	24.3
7-Sep-06	26	22	16	13	9	12	16	24	22	14	14	6	3	1	2	2	3	4	5	7	8	6	4	4	10.2	25.9
8-Sep-06	4	4	6	6	6	6	7	10	8	8	9	9	10	10	12	13	13	15	17	15	14	15	16	18	10.4	17.8
9-Sep-06	16	15	15	19	20	19	21	19	14	15	5	3	1	1	3	5	10	11	12	22	21	17	18	12	13.2	22.0
10-Sep-06	7	6	4	1	2	4	4	5	5	5	2	0	3	2	1	0	0	1	0	0	1	2	1	1	2.3	7.1
11-Sep-06	1	1	2	2	2	3	6	16	8	4	0	0	0	0	0	2	1	0	1	6	3	0	1	1	2.5	16.5
12-Sep-06	1	1	0	1	2	1	3	4	4	4	4	C	C	C	0	0	0	1	6	18	13	7	4	4	3.7	18.1
13-Sep-06	4	3	2	1	2	4	18	23	10	3	4	3	3	1	2	0	2	2	1	1	1	0	0	0	3.8	23.3
14-Sep-06	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.2	0.9
15-Sep-06	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	1	1	1	2	1	2	2	0.7	2.0
16-Sep-06	2	1	1	0	1	1	1	2	1	2	2	1	1	1	1	2	1	1	2	1	1	1	1	1	1.2	2.2
17-Sep-06	0	2	2	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	2	1	0	0	0	0.8	2.4
18-Sep-06	0	0	0	1	2	2	2	3	3	2	2	3	3	3	3	4	4	4	5	4	3	3	3	3	2.7	4.9
19-Sep-06	3	5	5	9	5	6	5	6	6	6	6	6	7	7	7	7	7	6	7	9	10	10	8	7	6.6	9.8
20-Sep-06	7	5	5	5	5	4	3	4	7	7	10	6	6	6	10	11	9	4	1	2	3	3	4	3	5.4	10.6
21-Sep-06	2	1	0	0	0	1	2	3	2	3	3	2	2	2	2	2	2	4	5	7	6	6	5	4	2.8	7.0
22-Sep-06	3	3	2	2	2	2	3	5	4	3	4	4	3	1	1	2	3	2	3	3	0	1	2	1	2.5	4.8
23-Sep-06	0	1	1	2	1	1	2	3	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1.1	2.6
24-Sep-06	1	2	1	1	2	2	2	4	1	1	2	2	3	2	1	0	1	1	2	3	4	1	3	1	1.8	4.0
25-Sep-06	2	3	1	0	0	1	1	0	0	0	1	0	0	1	1	1	2	2	3	4	5	5	5	5	1.8	5.2
26-Sep-06	4	5	6	5	4	7	10	9	7	6	5	2	0	0	1	1	2	2	4	10	13	23	21	11	6.6	22.8
27-Sep-06	3	2	0	1	1	2	8	7	14	13	7	7	4	3	4	4	4	4	6	13	10	3	2	2	5.2	14.2
28-Sep-06	3	2	1	2	3	4	5	4	2	3	2	2	3	2	2	3	3	5	4	4	4	4	4	4	3.2	5.4
29-Sep-06	3	1	1	1	1	1	1	3	2	1	2	2	3	1	2	3	3	3	1	1	1	3	2	1	1.7	3.4
30-Sep-06	2	2	2	0	3	4	3	4	3	2	2	1	1	0	0	0	2	1	0	1	0	1	0	0	1.4	4.1
Hourly Avg	6.1	5.9	4.7	4.8	4.5	5.1	7.2	8.3	7.6	6.5	5.7	4.9	4.0	3.3	3.5	3.6	4.0	4.1	4.8	7.4	9.0	8.3	7.9	6.8		
Hourly Max	25.9	22.0	19.1	20.3	20.1	19.0	20.9	23.6	23.0	30.4	35.3	31.4	19.7	21.8	21.3	21.2	24.4	23.9	25.9	37.4	61.0	50.1	29.5	24.3		

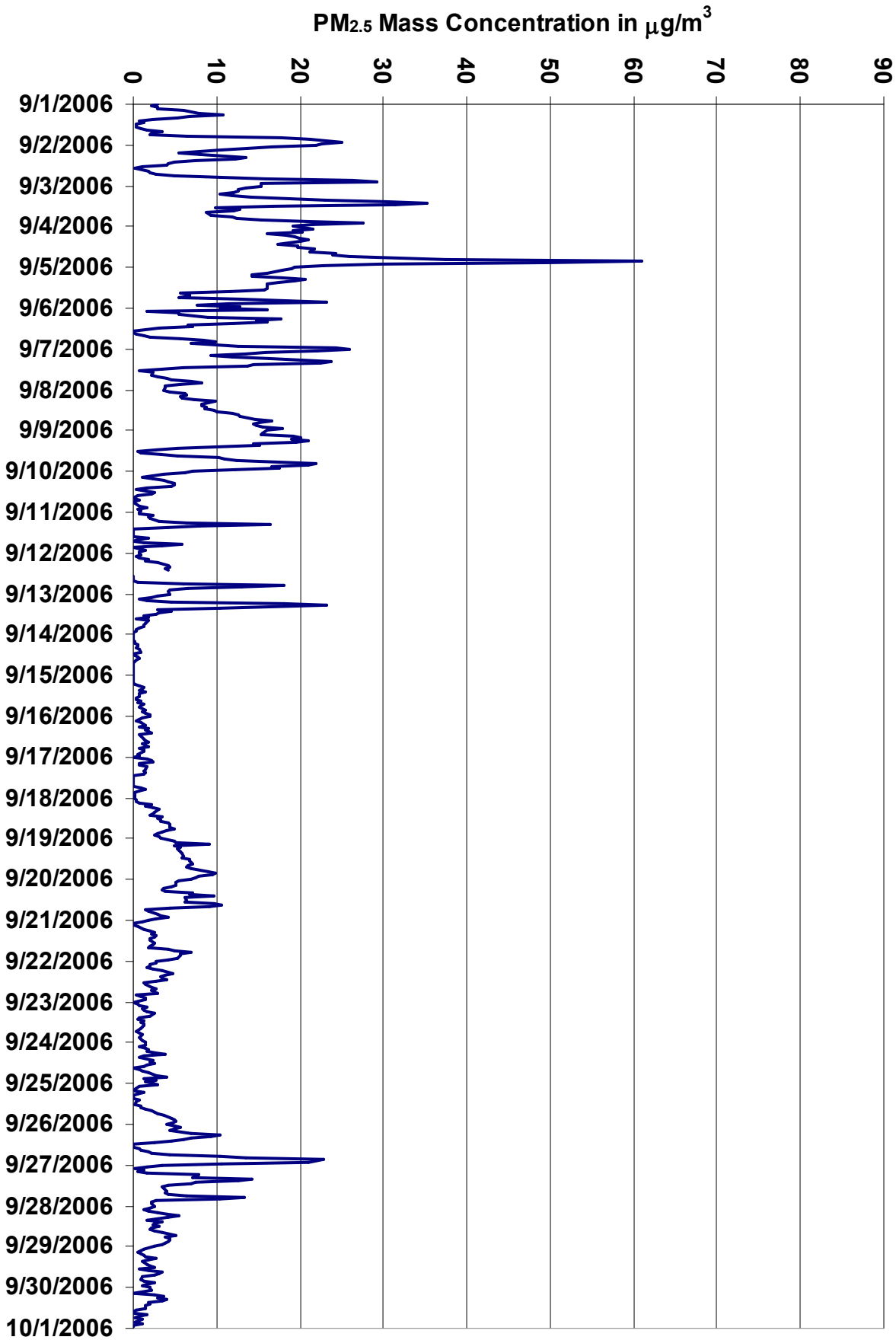


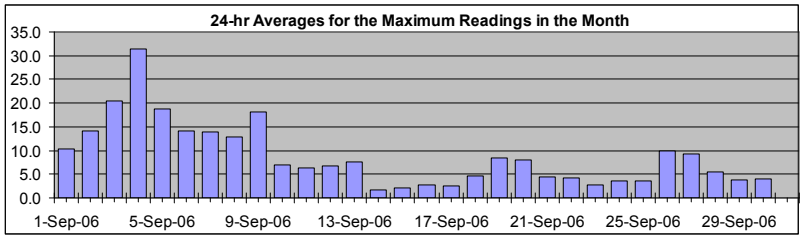
Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	75.7	µg/m³	4-Sep	21:00 22:00
Maximum 24-hr Value:	31.4	µg/m³	4-Sep	

AIC Time:	0 hrs	Operational Time:	717 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	36.2	26.5	11.1	5.3	3.0	1.3	0.7	8.8 / 5 µg/m˘	6.7 µg/m˘

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	6	4	4	5	8	11	13	10	7	5	3	2	2	1	2	3	11	4	3	15	23	24	51	31	10.3	50.6
2-Sep-06	30	21	16	13	12	8	12	16	16	10	7	6	7	4	1	3	3	4	8	13	22	36	49	20	14.0	49.5
3-Sep-06	20	16	15	15	14	13	14	17	27	35	37	36	27	12	15	16	11	11	14	17	18	25	37	32	20.5	36.7
4-Sep-06	24	29	23	24	19	21	22	24	25	26	23	26	26	25	27	25	28	28	33	64	72	76	36	29	31.4	75.7
5-Sep-06	23	22	19	18	16	16	20	25	21	20	19	18	19	19	15	11	11	9	8	28	28	28	16	22	18.7	28.1
6-Sep-06	16	33	18	10	12	15	24	19	20	20	10	10	6	4	3	2	4	6	8	11	14	12	29	35	14.2	34.6
7-Sep-06	35	26	23	22	16	16	20	31	27	17	18	9	7	2	5	5	5	6	7	9	11	8	5	4	14.0	35.3
8-Sep-06	5	6	8	7	7	7	9	12	10	10	11	10	12	12	16	14	14	17	19	17	16	16	28	26	12.9	27.9
9-Sep-06	23	21	20	24	24	24	23	26	19	20	15	7	4	4	6	9	13	15	16	34	26	22	24	18	18.2	33.8
10-Sep-06	18	18	9	4	6	12	9	10	10	8	7	4	7	5	7	4	3	3	3	2	3	6	4	4	6.9	18.5
11-Sep-06	3	4	7	3	5	6	16	26	20	7	6	2	2	1	1	5	5	3	3	10	6	2	4	3	6.3	26.4
12-Sep-06	3	8	3	4	4	4	7	6	8	7	6	C	C	C	0	0	1	2	13	23	23	10	7	6	6.8	23.5
13-Sep-06	6	5	3	2	3	18	35	35	17	4	6	5	5	6	4	3	6	3	3	3	3	2	2	1	7.6	35.5
14-Sep-06	1	1	1	1	2	2	2	2	2	3	3	1	2	2	2	2	2	2	1	1	1	1	1	0	1.6	3.0
15-Sep-06	0	0	1	1	1	2	2	3	2	3	4	3	3	1	3	3	2	3	3	2	3	3	3	3	2.1	3.6
16-Sep-06	4	3	2	2	2	4	2	3	4	3	4	2	3	2	3	4	2	3	3	2	4	3	2	2	2.8	3.9
17-Sep-06	2	4	4	4	3	2	4	3	4	4	5	1	1	1	1	2	1	1	3	3	2	2	2	1	2.5	4.5
18-Sep-06	3	2	3	3	4	3	5	5	4	5	4	6	5	5	5	6	7	7	6	5	5	4	4	5	4.7	7.3
19-Sep-06	5	8	8	13	8	7	7	7	7	8	7	8	9	8	8	8	8	9	9	11	12	11	9	9	8.4	12.9
20-Sep-06	9	7	7	7	6	6	5	6	9	12	18	9	8	11	11	14	12	8	4	3	5	5	6	4	8.0	17.9
21-Sep-06	3	3	1	1	2	2	3	4	4	4	4	3	5	4	4	4	3	6	7	10	10	7	8	6	4.4	10.1
22-Sep-06	4	4	4	4	3	4	6	6	6	5	6	6	5	3	4	3	4	5	5	5	2	2	3	3	4.3	6.3
23-Sep-06	1	2	2	3	3	2	3	4	4	2	2	4	3	3	3	3	3	2	3	3	2	2	3	3	2.7	4.2
24-Sep-06	3	3	2	2	4	3	5	6	3	4	4	4	4	3	3	1	3	3	3	7	7	3	5	3	3.7	7.4
25-Sep-06	4	5	2	1	1	3	3	1	2	1	3	3	3	3	3	3	4	4	4	6	7	6	6	5	3.6	7.3
26-Sep-06	6	7	8	7	6	12	13	11	9	9	8	4	3	3	3	3	4	3	9	15	18	31	25	19	9.9	31.0
27-Sep-06	11	4	1	3	2	6	11	14	19	19	11	13	7	5	6	7	6	7	12	24	24	4	4	3	9.3	24.4
28-Sep-06	5	4	3	5	6	7	8	6	4	5	4	4	6	4	4	4	5	8	8	6	6	7	7	6	5.5	7.9
29-Sep-06	5	2	2	2	2	3	4	5	3	2	4	4	5	3	5	5	6	5	3	3	3	6	4	3	3.7	5.7
30-Sep-06	5	4	4	4	5	7	5	7	7	4	4	3	3	2	1	1	10	10	3	3	2	3	1	1	4.1	9.8
Hourly Avg	9.3	9.2	7.4	7.1	6.9	8.3	10.4	11.7	10.6	9.4	8.7	7.4	6.8	5.4	5.7	5.7	6.5	6.5	7.5	11.9	12.6	12.2	12.8	10.4		
Hourly Max	35.3	32.7	22.6	24.3	24.0	24.0	35.0	35.5	27.2	34.9	36.7	35.8	27.5	24.7	26.7	25.3	27.8	27.8	33.5	64.0	72.3	75.7	50.6	34.6		

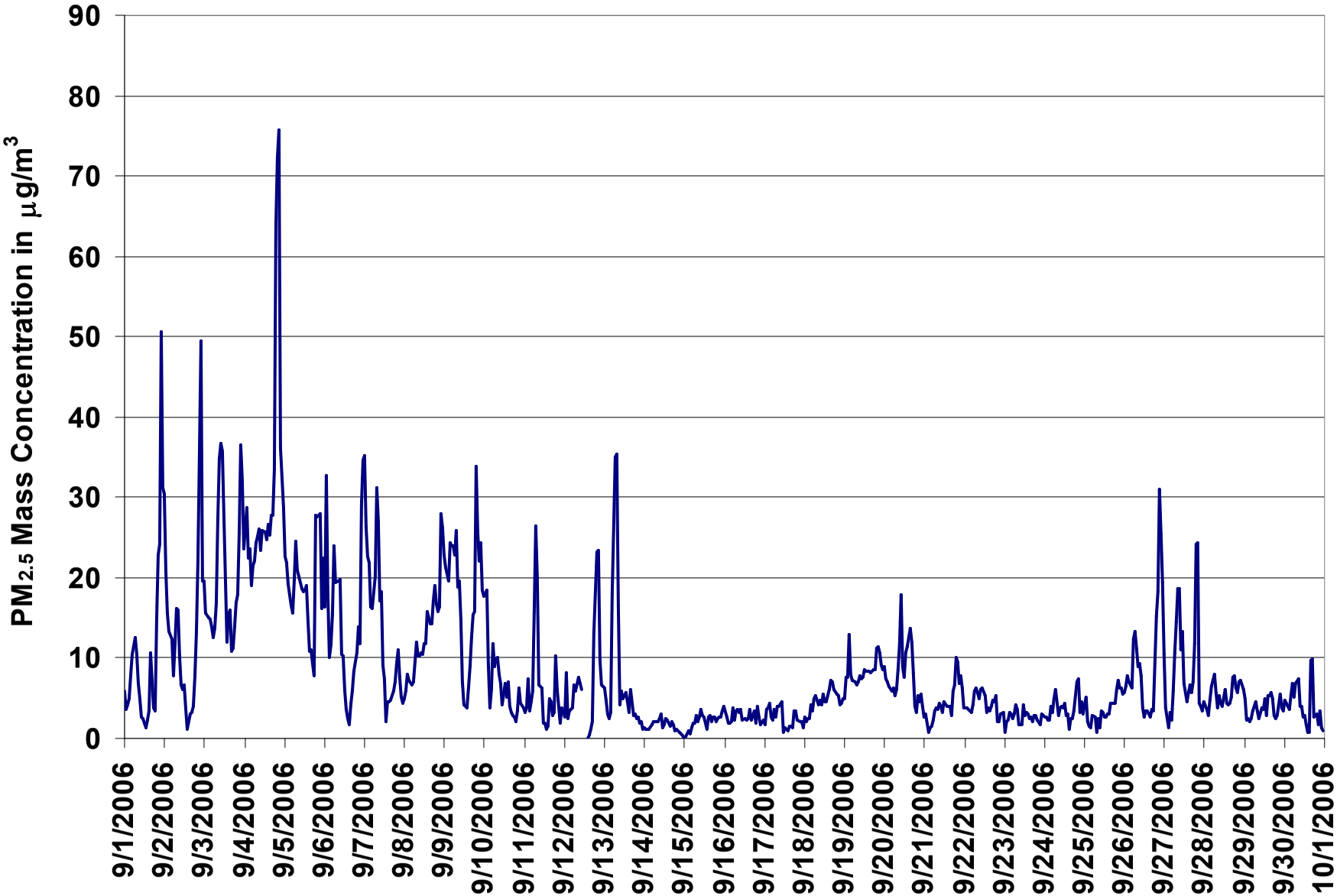
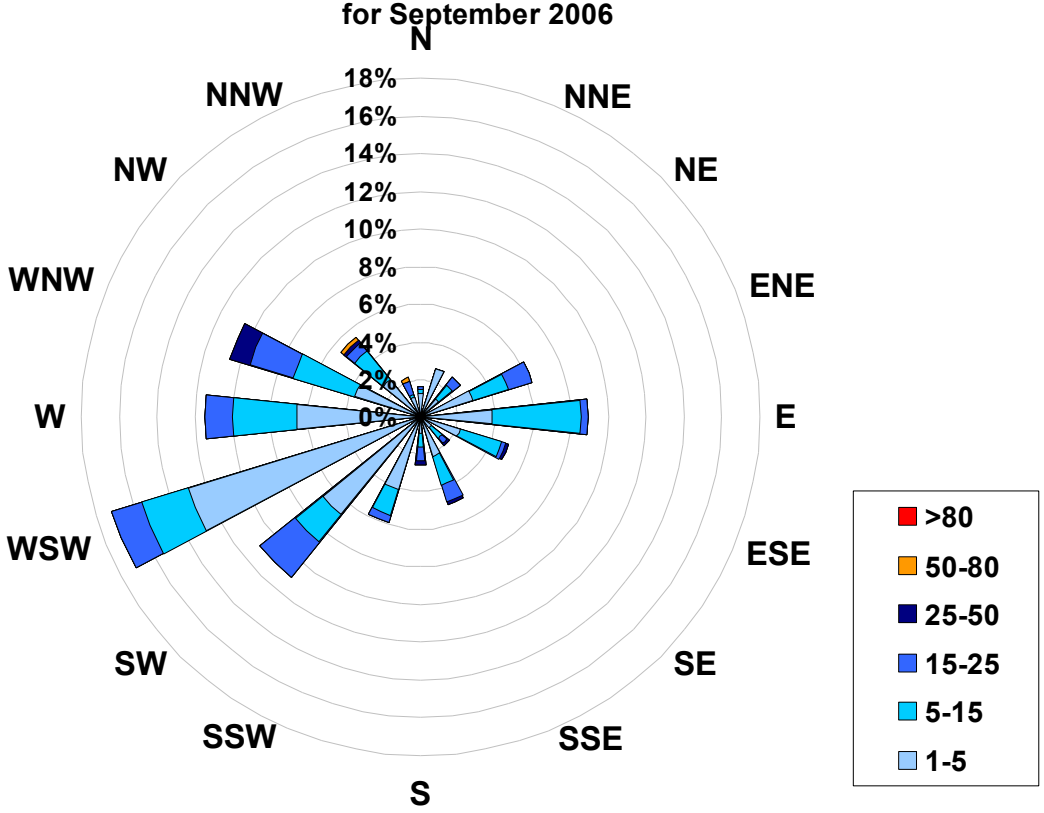


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Henry Pirker Site for September 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	472
5	to	15	155
15	to	25	77
25	to	50	11
50	to	80	2
	>	80	0
Total Non-Zero Values			717

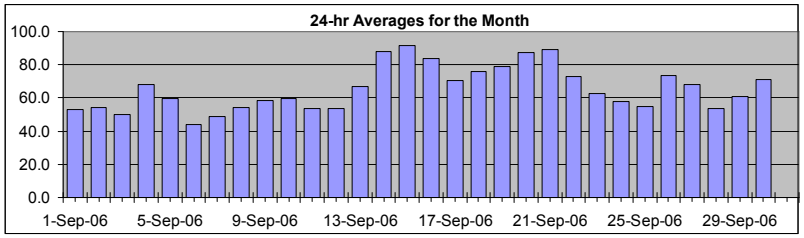
PASZA - Henry Pirker - Relative Humidity Monthly Summary

HOURLY AVERAGE TABLE

Relative Humidity (RH)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	94.9	%	20-Sep	7:00 8:00
Maximum 24-hr Value:	91.5	%	15-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	94.1	92.3	83.1	66.9	50.5	28.9	21.4	65.4 %	66.9 %

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	58	62	66	71	75	79	81	69	63	52	44	40	35	32	31	30	30	30	32	38	50	60	68	72	52.9	80.7
2-Sep-06	80	81	83	83	85	87	88	74	66	54	41	36	29	25	23	23	23	23	25	34	46	61	64	64	53.9	87.7
3-Sep-06	69	72	80	79	85	84	89	70	55	48	41	37	32	29	27	25	23	22	23	28	31	39	56	55	49.9	88.6
4-Sep-06	57	72	72	79	81	80	85	81	75	72	65	60	57	58	57	53	48	52	58	64	71	75	81	85	68.3	85.0
5-Sep-06	89	85	88	91	92	94	93	89	83	73	64	54	47	41	33	23	21	21	23	31	35	43	52	59	59.4	93.5
6-Sep-06	61	71	64	71	73	75	76	63	53	42	34	28	24	18	15	15	15	16	20	28	34	38	53	62	43.7	76.2
7-Sep-06	62	60	68	73	74	78	79	70	63	52	45	37	30	25	24	24	24	25	27	32	39	46	52	56	48.6	78.9
8-Sep-06	59	60	61	63	65	66	68	65	61	55	53	50	45	42	39	38	37	37	41	47	51	55	62	75	54.0	74.7
9-Sep-06	81	84	88	86	87	87	90	82	74	55	38	33	30	26	25	28	29	33	37	43	51	61	71	79	58.2	89.9
10-Sep-06	81	81	79	75	81	85	87	71	63	55	47	42	40	45	46	40	41	42	44	48	54	58	58	60	59.4	86.7
11-Sep-06	62	66	68	72	79	81	82	77	68	61	44	37	35	34	33	34	36	33	36	42	49	51	50	56	53.6	82.3
12-Sep-06	60	69	70	75	76	76	77	72	64	57	48	42	40	34	33	35	36	36	38	44	48	49	53	58	53.7	77.0
13-Sep-06	61	65	66	71	73	75	80	78	70	56	48	48	52	66	64	63	65	63	66	68	69	71	78	83	66.7	83.4
14-Sep-06	88	88	89	90	87	86	86	86	85	84	84	80	81	87	89	89	88	88	88	90	93	93	93	94	87.7	93.7
15-Sep-06	94	94	93	92	93	94	94	94	93	92	92	92	90	87	85	88	90	90	91	91	91	92	92	92	91.5	94.2
16-Sep-06	93	92	92	92	91	90	89	89	87	86	85	80	78	78	80	76	71	72	77	79	80	81	82	84	83.5	92.5
17-Sep-06	83	84	84	86	90	92	94	93	82	76	67	62	56	52	47	44	46	48	52	60	67	70	74	77	70.2	93.5
18-Sep-06	81	84	85	87	87	87	87	86	83	78	75	74	72	68	64	63	62	64	66	69	72	75	75	77	75.8	87.4
19-Sep-06	79	80	82	83	84	86	86	85	84	83	79	75	74	72	70	68	67	68	69	78	83	87	88	90	79.2	89.9
20-Sep-06	90	92	93	94	94	95	95	95	95	91	85	77	75	72	74	73	79	82	84	87	91	93	94	94	87.3	94.9
21-Sep-06	93	93	93	92	92	93	93	93	92	91	91	89	88	89	86	82	78	78	82	87	87	88	89	90	88.9	93.5
22-Sep-06	90	89	89	90	92	93	91	88	82	78	72	68	62	56	55	58	60	59	59	61	59	63	68	72	72.9	92.6
23-Sep-06	70	73	76	84	84	82	85	79	66	60	53	48	47	45	47	50	51	54	56	56	59	60	61	62	62.9	85.5
24-Sep-06	66	67	66	65	70	71	77	77	65	51	55	51	49	46	43	39	40	43	48	56	60	58	58	59	57.7	77.0
25-Sep-06	63	66	62	56	60	62	64	61	58	53	50	47	44	44	42	42	42	45	48	54	58	62	65	67	54.8	67.1
26-Sep-06	71	80	85	87	86	90	90	89	85	81	77	75	61	52	47	48	48	49	56	72	77	88	86	82	73.4	90.3
27-Sep-06	80	82	87	90	90	91	92	92	85	73	69	61	55	51	50	47	47	49	53	57	58	55	59	63	68.1	91.9
28-Sep-06	69	67	69	74	72	70	61	55	49	45	41	37	37	39	41	39	41	46	47	51	53	56	60	61	53.4	74.3
29-Sep-06	62	59	58	50	49	51	52	52	51	47	44	42	45	46	48	58	63	76	81	83	82	88	90	86	61.0	90.3
30-Sep-06	89	90	89	75	76	86	84	90	84	82	79	75	69	64	54	45	46	58	55	58	61	65	65	62	70.9	90.5
Hourly Avg	74.7	77.0	78.2	79.2	80.7	82.2	83.2	78.8	72.8	66.1	60.3	56.0	52.7	50.8	49.0	48.0	48.2	50.0	52.8	57.9	62.0	66.0	70.0	72.6		
Hourly Max	94.2	94.1	93.3	94.0	94.5	94.7	94.8	94.9	94.8	91.8	91.7	91.5	90.2	89.4	89.0	89.4	89.7	90.5	91.1	91.1	92.5	93.2	94.3	94.0		

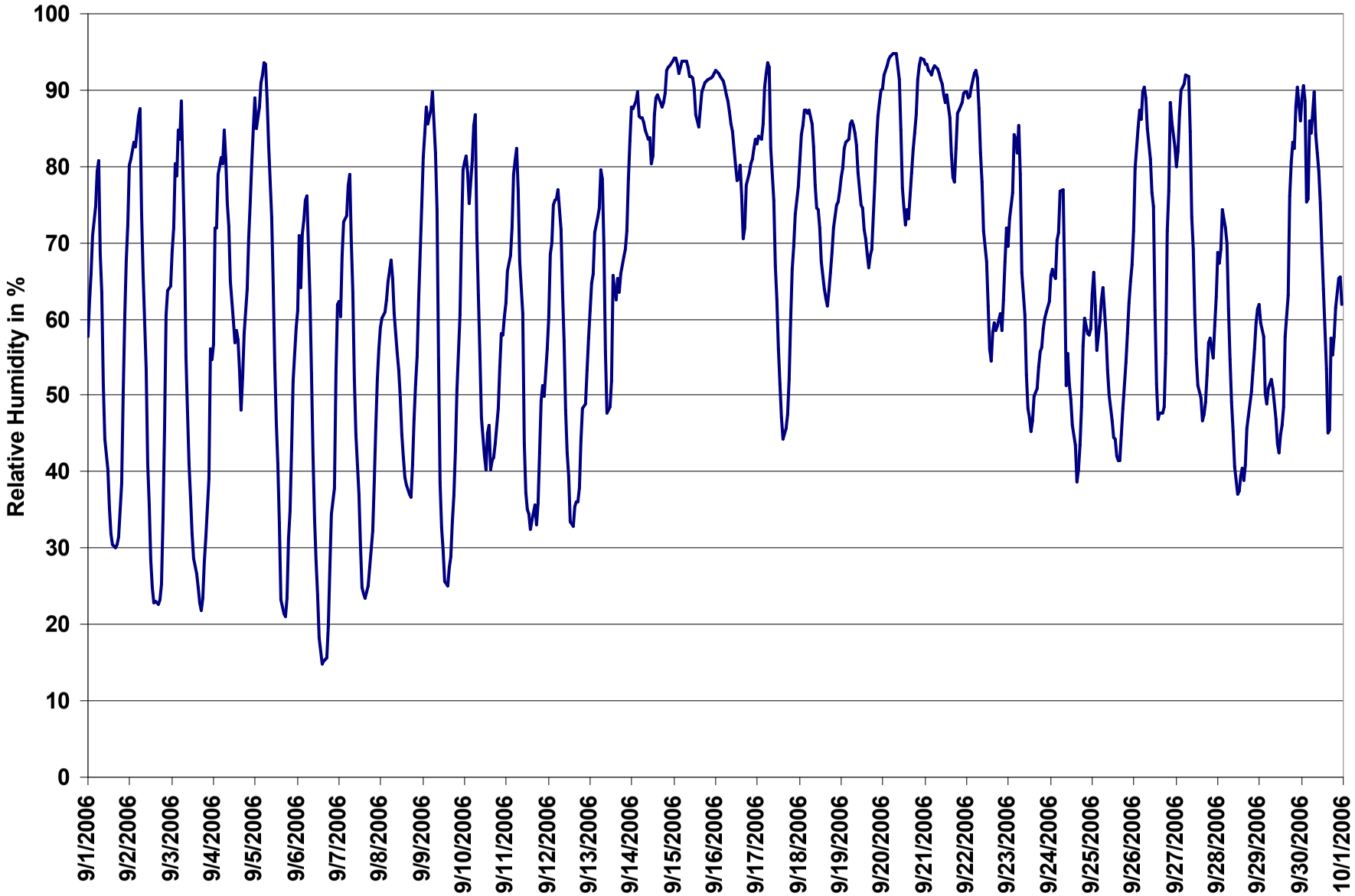


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

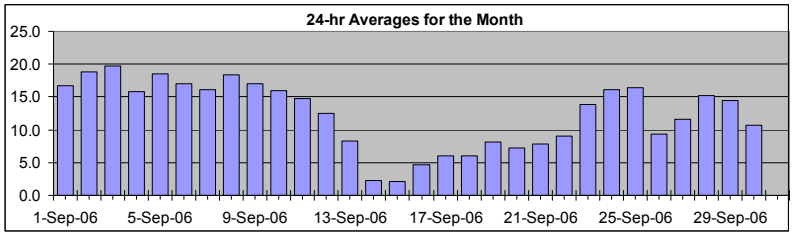
PASZA - Henry Pirker - Temperature Monthly Summary

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.5	°C	3-Sep	15:00 16:00
Maximum 24-hr Value:	19.8	°C	3-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	29.0	25.4	16.9	11.3	7.2	2.5	0.7	12.4 °C	11.3 °C

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	12	10	9	8	7	6	6	10	12	18	20	22	24	25	25	25	26	26	25	22	18	16	15	14	16.7	26.3
2-Sep-06	12	11	10	8	7	7	8	12	15	19	23	25	28	28	29	29	29	29	28	25	21	18	15	14	18.8	29.2
3-Sep-06	14	12	11	10	9	9	8	12	16	19	22	24	27	29	30	30	30	30	29	26	23	21	17	17	19.8	30.5
4-Sep-06	16	13	12	11	11	10	10	10	12	15	16	18	19	20	20	21	23	22	21	19	17	16	15	14	15.8	22.8
5-Sep-06	12	12	11	11	10	9	10	11	13	16	19	23	25	27	29	30	30	29	27	23	20	18	16	14	18.5	29.9
6-Sep-06	13	11	11	9	7	7	7	11	14	18	20	23	25	26	26	26	26	25	24	20	18	16	13	11	17.0	26.3
7-Sep-06	10	9	7	5	6	6	6	9	11	15	18	21	23	25	26	26	26	25	23	21	19	18	17	16	16.1	26.1
8-Sep-06	15	15	14	14	13	12	12	13	15	17	18	20	22	24	25	26	26	26	25	22	20	19	17	13	18.4	26.5
9-Sep-06	11	11	10	10	9	8	7	9	12	16	21	23	24	26	26	25	25	23	22	21	19	18	16	15	17.0	26.2
10-Sep-06	14	14	14	13	11	10	9	12	15	18	21	21	21	19	20	21	20	20	19	17	15	14	14	13	15.9	21.3
11-Sep-06	13	11	11	10	9	9	8	9	13	14	18	19	20	20	21	21	19	19	18	16	15	14	14	13	14.7	20.9
12-Sep-06	11	9	9	7	8	7	7	8	11	12	16	17	18	18	18	18	18	17	17	14	12	11	10	8	12.5	18.4
13-Sep-06	8	7	7	5	5	4	3	4	7	10	13	13	13	11	11	11	11	11	10	9	8	6	5	4	8.3	13.4
14-Sep-06	4	4	3	3	3	3	3	3	3	2	3	3	3	2	2	2	2	2	2	1	1	1	0	0	2.3	3.9
15-Sep-06	0	0	1	1	1	1	1	1	1	2	2	2	2	4	4	3	3	3	3	3	3	3	3	3	2.0	3.9
16-Sep-06	3	3	3	3	3	3	3	3	3	4	5	6	7	7	7	7	7	7	6	5	5	5	4	4	4.7	7.4
17-Sep-06	4	4	3	3	2	1	0	1	4	5	7	8	10	11	12	12	12	11	10	8	6	5	4	4	6.0	12.1
18-Sep-06	3	3	3	2	2	2	2	3	3	5	6	7	7	9	10	10	11	10	9	9	8	7	7	7	6.1	10.7
19-Sep-06	6	6	6	6	6	6	6	6	6	7	8	9	10	10	11	11	12	11	11	9	8	7	7	7	8.1	11.8
20-Sep-06	7	6	5	4	4	3	3	3	3	6	7	10	11	11	12	12	10	10	9	9	8	8	8	8	7.2	11.7
21-Sep-06	8	7	7	7	7	7	7	7	7	8	8	8	9	9	9	10	10	10	9	8	8	7	6	6	7.8	10.1
22-Sep-06	6	6	6	5	3	3	3	4	6	8	10	11	13	14	14	14	14	13	12	11	11	11	9	8	9.0	14.2
23-Sep-06	9	8	7	6	6	7	7	9	13	15	17	19	19	20	20	19	19	17	17	17	16	15	15	15	13.8	20.1
24-Sep-06	15	14	14	13	12	11	10	10	13	16	17	18	20	21	22	22	21	20	19	17	16	16	16	15	16.2	22.2
25-Sep-06	14	14	15	17	17	16	16	16	16	17	18	19	19	20	19	19	19	18	16	15	14	14	14	13	16.5	19.5
26-Sep-06	11	9	7	7	7	5	5	6	7	9	11	11	13	14	14	15	15	14	12	9	7	6	5	5	9.3	15.3
27-Sep-06	5	5	4	3	3	2	1	2	5	9	11	14	16	18	19	21	21	20	18	17	16	17	16	15	11.6	20.8
28-Sep-06	13	13	12	11	11	11	12	14	15	16	18	19	19	18	19	20	19	17	17	16	15	15	13	13	15.2	19.7
29-Sep-06	13	13	14	16	17	16	16	16	16	16	17	17	17	17	16	15	14	12	12	11	11	11	10	11	14.5	17.5
30-Sep-06	10	10	10	11	10	9	9	9	9	10	10	11	12	13	15	15	15	12	11	10	9	8	8	7	10.6	15.4
Hourly Avg	9.7	9.0	8.6	8.0	7.5	7.1	6.8	8.1	10.0	12.1	14.0	15.4	16.5	17.1	17.7	17.9	17.7	17.0	16.0	14.3	12.9	11.9	10.9	10.2		
Hourly Max	16.5	14.6	15.2	17.2	16.8	16.5	16.2	16.0	16.1	19.0	23.0	25.0	27.5	29.0	29.8	30.5	30.4	29.7	28.7	25.6	23.3	21.0	16.8	16.5		

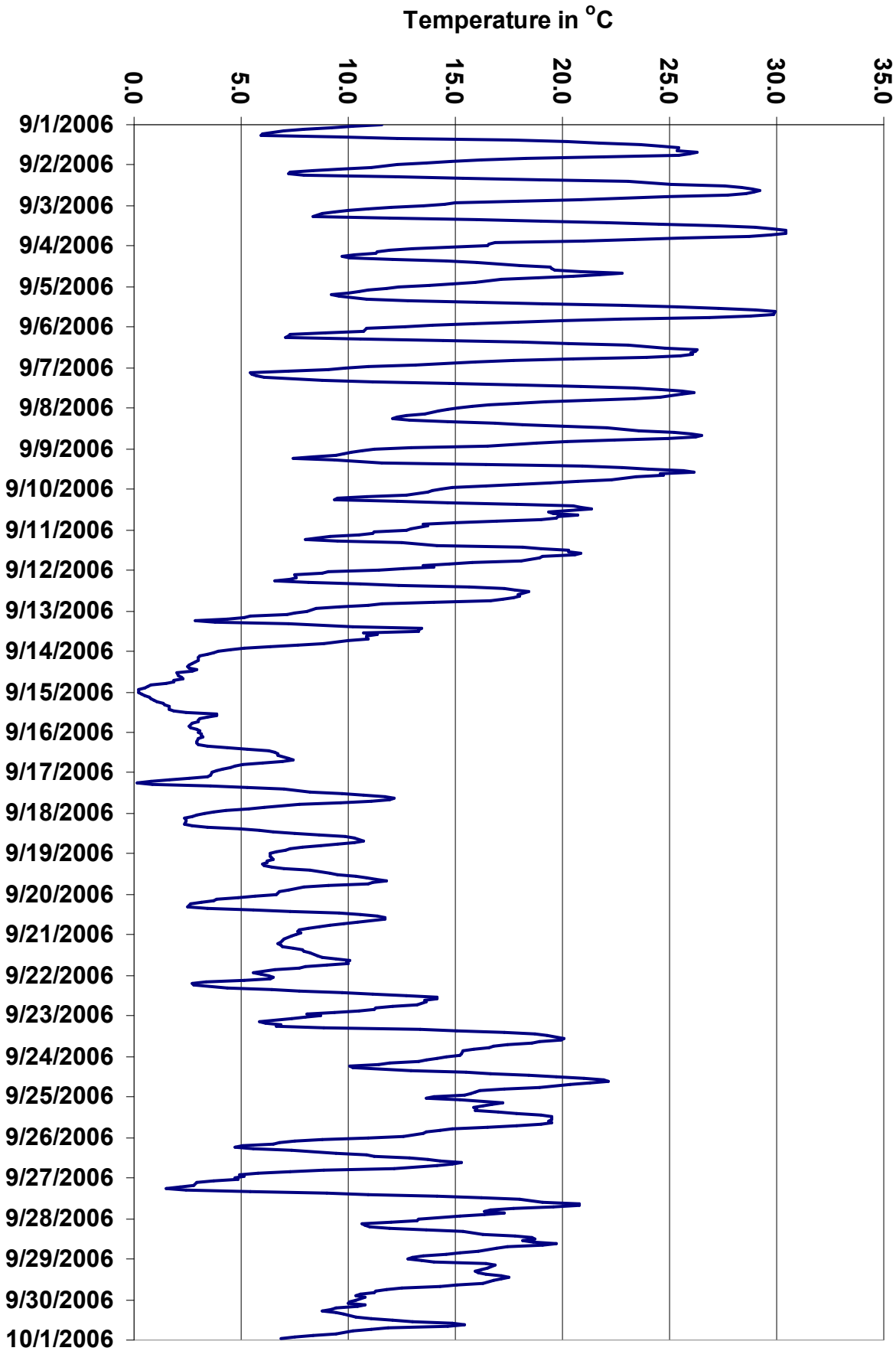


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

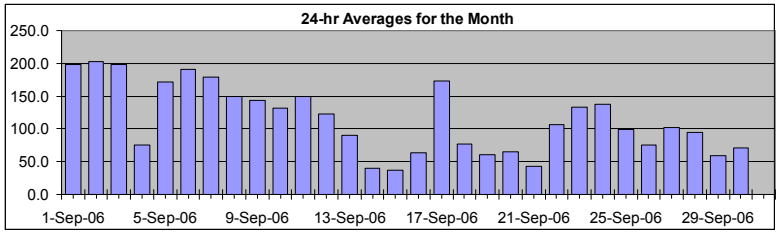
PASZA - Henry Pirker - Solar Radiation Monthly Summary

HOURLY AVERAGE TABLE

Solar Radiation (SR)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	606.4	W/m²	3-Sep	12:00 13:00
Maximum 24-hr Value:	202.2	W/m²	2-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	578.1	484.5	195.2	11.8	0.0	0.0	0.0	114.6 W/m²	11.8 W/m²

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	0	0	36	143	282	415	523	556	597	591	463	416	358	233	113	14	0	0	0	0	197.5	597.2
2-Sep-06	0	0	0	0	0	0	35	142	278	410	490	557	602	593	549	479	364	233	107	14	0	0	0	0	202.2	601.9
3-Sep-06	0	0	0	0	0	0	28	137	265	391	497	569	606	595	549	463	346	219	96	12	0	0	0	0	198.9	606.4
4-Sep-06	0	0	0	0	0	0	12	57	98	143	167	213	214	155	174	216	217	92	34	7	0	0	0	0	75.0	217.4
5-Sep-06	0	0	0	0	0	0	16	74	199	316	423	519	557	564	522	380	285	186	82	5	0	0	0	0	172.0	564.1
6-Sep-06	0	0	0	0	0	0	24	143	285	421	366	513	572	597	539	453	356	216	77	8	0	0	0	0	190.4	597.1
7-Sep-06	0	0	0	0	0	0	14	79	238	383	480	550	579	573	518	402	277	141	60	6	0	0	0	0	179.2	579.4
8-Sep-06	0	0	0	0	0	0	11	110	235	334	327	406	477	463	395	345	282	149	41	4	0	0	0	0	149.1	476.7
9-Sep-06	0	0	0	0	0	0	7	47	118	308	419	491	515	521	459	202	238	90	44	2	0	0	0	0	144.2	521.4
10-Sep-06	0	0	0	0	0	0	13	104	217	374	471	519	422	159	255	224	128	195	72	4	0	0	0	0	131.6	519.5
11-Sep-06	0	0	0	0	0	0	11	109	227	286	439	444	524	433	412	293	163	165	62	4	0	0	0	0	148.8	524.0
12-Sep-06	0	0	0	0	0	0	14	110	226	226	423	402	374	400	246	223	151	101	55	4	0	0	0	0	123.1	422.8
13-Sep-06	0	0	0	0	0	0	6	78	142	279	410	238	321	150	189	157	123	61	13	1	0	0	0	0	90.3	409.5
14-Sep-06	0	0	0	0	0	0	1	13	30	77	148	168	127	83	98	112	57	25	9	0	0	0	0	0	39.5	168.3
15-Sep-06	0	0	0	0	0	0	0	9	38	55	75	83	164	242	99	60	27	14	5	0	0	0	0	0	36.3	241.7
16-Sep-06	0	0	0	0	0	0	3	29	63	137	169	215	202	212	170	145	114	58	17	1	0	0	0	0	63.9	215.1
17-Sep-06	0	0	0	0	0	0	5	105	234	352	452	522	552	543	493	403	295	169	32	0	0	0	0	0	173.2	552.2
18-Sep-06	0	0	0	0	0	0	3	42	103	180	236	255	202	243	236	142	106	64	21	0	0	0	0	0	76.3	254.7
19-Sep-06	0	0	0	0	0	0	0	13	41	59	133	161	152	195	218	195	153	85	44	0	0	0	0	0	60.4	217.5
20-Sep-06	0	0	0	0	0	0	4	38	118	251	189	201	174	167	164	120	73	40	13	0	0	1	0	0	64.7	251.2
21-Sep-06	0	0	0	0	0	0	2	17	31	51	73	150	141	152	142	128	57	55	11	0	1	0	0	0	42.2	152.4
22-Sep-06	0	0	0	0	0	0	6	106	169	263	348	345	389	403	230	141	98	41	7	1	0	0	0	0	106.1	402.7
23-Sep-06	0	0	0	0	0	0	3	76	202	274	415	484	447	426	336	213	220	69	13	0	0	0	0	0	132.4	484.2
24-Sep-06	0	0	0	0	0	0	2	63	168	326	384	330	482	494	438	356	176	74	7	0	0	0	0	0	137.5	494.5
25-Sep-06	0	0	0	0	0	0	0	25	67	253	300	413	419	308	215	209	118	43	7	0	0	0	0	0	99.0	419.3
26-Sep-06	0	0	0	0	0	0	2	29	77	183	80	123	238	194	214	357	202	111	14	0	0	0	0	0	76.0	356.5
27-Sep-06	0	0	0	0	0	0	3	42	139	277	317	343	322	321	249	244	139	36	4	0	0	0	0	0	101.4	342.7
28-Sep-06	0	0	0	0	0	0	1	20	58	131	319	389	339	219	271	319	167	43	8	0	0	0	0	0	95.2	389.4
29-Sep-06	0	0	0	0	0	0	0	18	87	156	207	235	196	188	122	121	67	16	2	0	0	0	0	0	59.0	235.4
30-Sep-06	0	0	0	0	0	0	0	8	22	39	69	137	143	266	392	324	224	77	8	0	0	0	0	0	71.3	392.3
Hourly Avg	0.0	0.0	0.0	0.0	0.0	0.0	8.8	66.2	148.5	245.0	311.6	351.1	368.3	348.4	312.0	261.3	186.1	103.3	35.9	2.9	0.0	0.0	0.0	0.0		
Hourly Max	0.0	0.0	0.0	0.0	0.0	0.3	36.4	143.4	284.6	420.8	522.6	569.2	606.4	597.1	548.7	478.5	364.1	233.2	113.1	14.2	0.7	0.7	0.2	0.1		

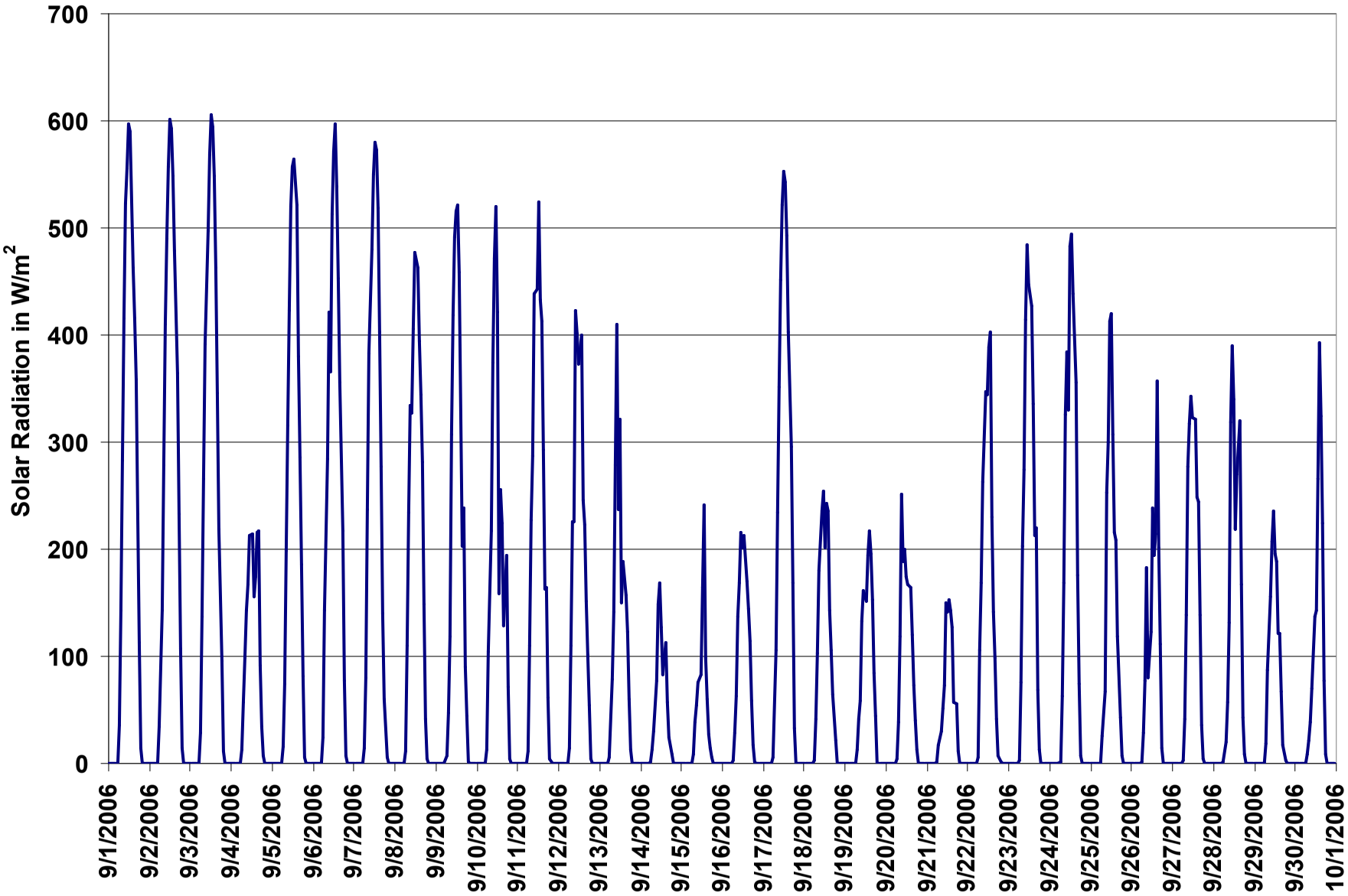


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

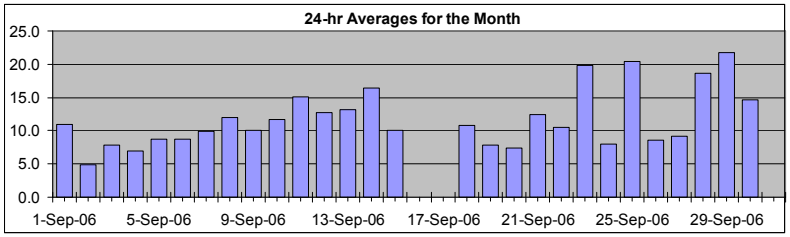
PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	36.3	km/hr	28-Sep	12:00 13:00
Maximum 24-hr Value:	21.7	km/hr	29-Sep	

Calm Time:	0 hrs	**0%** calms			Operational Time:			693 hrs	
Calibration Time:	0 hrs				AMD Operational Uptime:			96.3%	
Percentile	99	95	75	50	25	5	1	AverageS	
	33.7	26.3	14.2	9.9	7.0	4.5	1.2	11.7 km/hr	

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Sep-06	8	6	5	5	5	7	7	5	8	18	24	24	21	22	18	19	14	12	10	7	4	5	6	4	11.0	23.6
2-Sep-06	6	6	5	5	6	5	4	4	4	5	4	4	4	4	6	8	7	4	4	4	4	5	6	5	4.9	7.7
3-Sep-06	5	6	5	6	6	6	4	5	4	4	4	9	12	13	13	12	13	13	10	8	9	7	7	6	7.8	13.2
4-Sep-06	6	6	6	5	5	6	6	7	7	7	10	9	9	8	8	8	6	7	7	7	6	8	6	5	7.0	9.8
5-Sep-06	5	8	8	7	7	6	6	6	9	7	7	6	5	5	11	16	18	19	13	11	7	8	8	6	8.7	19.2
6-Sep-06	6	6	9	9	7	7	7	7	7	8	7	6	9	13	17	15	14	12	8	7	8	7	6	6	8.7	17.2
7-Sep-06	8	7	7	7	5	5	5	5	7	8	7	10	12	14	14	14	16	15	12	10	12	13	12	14	10.0	16.0
8-Sep-06	14	14	15	14	14	15	14	13	14	13	12	12	13	14	12	11	12	12	11	8	8	9	7	7	12.0	14.9
9-Sep-06	7	9	7	7	6	8	8	7	8	9	13	16	16	12	11	11	14	14	12	10	10	9	9	10	10.1	15.7
10-Sep-06	7	7	8	7	6	6	6	6	8	8	10	16	18	18	12	16	24	22	17	16	12	9	12	9	11.7	23.5
11-Sep-06	11	8	6	7	6	7	6	6	6	10	15	21	23	23	24	24	27	26	21	14	16	20	21	15	15.2	27.0
12-Sep-06	11	7	10	9	11	12	10	11	11	11	9	10	13	20	23	19	22	20	13	11	10	11	10	11	12.7	22.6
13-Sep-06	11	11	11	9	12	9	7	7	10	11	8	11	15	15	12	15	13	14	15	18	21	23	18	20	13.2	22.9
14-Sep-06	20	18	19	21	18	16	17	17	19	19	22	22	21	19	16	16	16	17	15	14	8	8	7	7	16.4	22.1
15-Sep-06	9	8	10	10	11	12	9	11	11	12	12	12	11	11	12	11	8	7	8	10	8	6	N	N	10.0	12.5
16-Sep-06	N	N	N	N	N	N	N	N	N	N	N	N	6	7	7	7	6	6	8	4	N	N	N	N	N	8.0
17-Sep-06	N	N	N	N	N	N	N	N	N	5	11	15	14	15	14	14	14	16	14	12	13	12	10	12	N	16.0
18-Sep-06	13	12	13	13	12	12	11	12	11	10	12	11	10	10	11	11	10	10	10	9	9	9	10	9	10.8	12.9
19-Sep-06	9	8	8	9	8	7	9	9	8	8	6	7	7	7	7	7	6	7	8	8	8	9	9	9	7.9	9.0
20-Sep-06	9	9	8	6	7	7	6	8	6	9	6	6	5	7	7	7	10	11	9	7	7	6	7	8	7.4	11.3
21-Sep-06	8	8	11	10	11	11	10	9	12	16	18	19	18	17	17	16	14	15	14	11	11	8	8	8	12.5	18.8
22-Sep-06	10	10	10	7	8	8	11	11	11	11	11	10	11	13	13	14	13	13	11	11	13	10	7	7	10.6	13.8
23-Sep-06	10	8	7	6	8	11	13	9	11	20	26	31	30	31	30	30	32	30	28	27	19	18	22	21	19.8	31.5
24-Sep-06	20	14	10	8	5	8	4	1	1	1	1	1	4	12	9	22	21	18	15	7	1	1	2	4	8.0	21.8
25-Sep-06	1	4	14	26	25	25	22	22	22	25	28	31	35	34	30	25	23	23	19	13	10	10	14	12	20.5	35.5
26-Sep-06	8	5	6	6	7	8	8	7	9	7	10	13	15	13	13	15	14	11	6	5	4	4	4	7	8.6	15.5
27-Sep-06	8	7	6	5	6	5	5	6	5	7	7	10	10	12	9	11	10	8	6	5	11	22	18	21	9.1	21.8
28-Sep-06	12	13	8	7	6	8	10	13	21	30	34	34	36	35	29	27	23	17	25	19	12	11	9	8	18.7	36.3
29-Sep-06	8	8	13	26	35	31	28	25	27	32	34	33	31	31	34	32	25	20	14	9	8	4	5	7	21.7	35.3
30-Sep-06	5	4	5	13	8	7	7	7	11	11	11	11	14	17	20	25	29	20	18	19	20	24	21	23	14.6	29.2
1-hr Average	9.0	8.4	8.8	9.6	9.7	9.8	9.3	9.3	10.4	11.8	13.1	14.4	15.1	15.7	15.3	15.9	15.8	14.7	12.8	10.7	10.0	10.2	10.1	10.0		
Hourly Max	20.3	17.9	18.8	26.5	35.3	31.2	27.7	24.6	27.2	31.6	33.8	34.2	36.3	35.1	33.7	32.4	31.5	30.0	28.0	27.2	21.0	23.9	21.7	23.3		

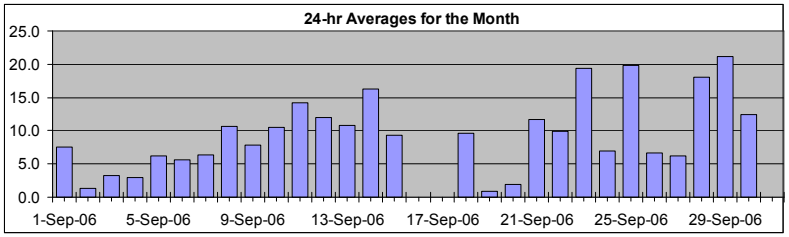
PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	35.9	km/hr	28-Sep	12:00 13:00
Maximum 24-hr Value:	21.1	km/hr	29-Sep	

Calm Time:	3 hrs	**0%** calms			Operational Time:			690 hrs		
Calibration Time:	0 hrs				AMD Operational Uptime:			96.3%		
Percentile	99	95	75	50	25	5	1			AverageV
	33.5	25.8	13.8	9.6	6.2	2.9	1.4			27.6 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Sep-06	8	5	5	5	5	6	7	5	8	17	23	23	20	21	17	18	13	12	9	7	1	4	4	3	7.6	23.2
2-Sep-06	6	3	5	4	6	3	calm	4	2	4	3	2	2	2	2	6	7	3	4	4	4	2	6	2	1.3	6.7
3-Sep-06	2	6	5	6	6	6	3	5	4	3	3	8	12	11	13	12	13	13	10	8	9	7	4	6	3.2	12.7
4-Sep-06	4	3	5	4	2	4	2	5	6	5	7	3	5	6	4	4	3	4	4	5	4	6	3	3	2.9	7.1
5-Sep-06	2	7	8	7	6	5	3	5	9	7	6	4	3	1	10	16	17	19	13	10	6	7	7	2	6.2	19.0
6-Sep-06	3	4	9	8	6	6	3	7	6	8	7	5	7	12	16	15	14	11	8	7	7	5	4	4	5.6	16.4
7-Sep-06	6	7	7	6	4	2	3	3	7	7	7	10	12	14	14	13	16	15	12	10	12	13	12	14	6.3	15.7
8-Sep-06	14	14	15	14	14	15	14	13	14	13	12	11	12	13	11	10	12	12	11	8	8	9	4	6	10.7	14.8
9-Sep-06	5	7	5	6	5	7	7	7	7	9	12	16	15	11	9	11	12	14	11	10	10	9	9	10	7.9	15.5
10-Sep-06	7	7	6	6	2	4	6	6	8	7	8	16	17	17	11	15	23	22	17	16	11	9	12	9	10.5	23.3
11-Sep-06	10	7	5	6	5	5	6	6	5	10	14	21	22	22	24	24	26	26	21	14	16	20	21	14	14.2	26.4
12-Sep-06	10	5	10	8	11	12	9	10	11	11	6	8	11	20	22	19	22	19	13	11	10	11	10	11	11.9	22.0
13-Sep-06	10	10	10	9	11	9	7	6	10	10	7	10	15	8	9	14	13	14	15	18	21	23	18	20	10.8	22.8
14-Sep-06	20	18	19	20	18	16	17	17	19	19	22	21	21	19	15	16	16	17	14	14	8	8	7	7	16.2	21.9
15-Sep-06	9	8	10	9	11	12	9	11	11	11	12	12	11	11	12	11	8	7	8	10	8	6	N	N	9.3	12.3
16-Sep-06	N	N	N	N	N	N	N	N	N	N	N	N	6	6	7	7	6	5	8	4	N	N	N	N	N	7.8
17-Sep-06	N	N	N	N	N	N	N	N	N	5	11	14	13	14	14	13	14	16	13	11	13	12	10	12	N	15.7
18-Sep-06	13	12	13	13	11	11	11	11	11	9	12	10	9	9	11	10	10	10	10	9	8	9	10	9	9.7	12.8
19-Sep-06	9	8	7	8	8	7	8	9	8	8	5	6	6	5	6	6	4	6	8	8	8	9	9	8	0.9	8.8
20-Sep-06	8	9	7	5	7	7	5	8	5	8	5	4	1	2	7	6	10	11	9	7	3	6	6	8	1.9	11.1
21-Sep-06	8	8	11	10	11	11	10	9	12	16	18	19	18	17	16	16	14	15	14	11	11	8	8	8	11.7	18.7
22-Sep-06	10	9	10	7	8	8	11	11	10	11	11	9	11	12	12	13	13	12	11	11	13	10	7	7	9.9	13.4
23-Sep-06	10	7	6	5	8	11	13	9	11	19	26	30	30	31	30	29	31	30	28	27	19	18	22	21	19.4	31.3
24-Sep-06	20	14	10	8	3	8	3	calm	1	1	1	calm	2	12	8	21	21	18	15	7	1	1	2	4	7.0	21.4
25-Sep-06	1	3	14	26	25	25	22	22	22	25	27	31	35	33	29	25	22	23	19	13	9	10	14	12	19.8	35.1
26-Sep-06	7	4	3	6	7	7	7	6	9	6	10	13	15	12	13	15	13	11	6	1	3	4	3	6	6.6	14.7
27-Sep-06	7	7	5	5	5	3	3	6	5	6	6	9	10	11	8	10	9	8	6	5	11	22	18	20	6.2	21.7
28-Sep-06	11	13	7	2	3	7	10	13	20	30	33	34	36	35	29	26	23	17	25	19	12	11	9	8	18.1	35.9
29-Sep-06	8	8	13	26	35	31	28	24	27	31	34	33	31	31	34	32	25	20	14	9	7	4	3	6	21.1	35.2
30-Sep-06	4	3	4	11	6	6	4	7	10	10	10	11	14	17	20	24	29	19	18	19	20	24	21	23	12.5	29.0
1-hr Vector	3.2	2.8	3.2	3.4	3.9	4.5	4.5	3.3	5.1	6.1	7.2	6.6	7.5	8.3	7.9	8.5	8.2	7.4	5.4	3.8	2.6	3.5	4.8	3.7		
Hourly Max	20.2	17.8	18.6	26.2	35.2	31.2	27.6	24.4	27.1	31.4	33.6	33.7	35.9	34.9	33.6	32.2	31.3	29.9	27.9	27.2	21.0	23.8	21.6	23.3		

PASZA - Henry Pirker - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms			Operational Time:			720 hrs				
Calibration Time:	0 hrs				AMD Operational Uptime:			100.0%				
Percentile	99	95	75	50	25	5	1	Average				
	354.5	332.9	273.9	238.7	120.3	39.5	13.9	262 deg				

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Sep-06	213	150	94	100	123	131	155	154	178	241	246	253	253	252	253	244	234	228	223	277	130	149	135	86	226	SW
2-Sep-06	153	278	274	312	274	267	230	118	164	198	208	198	149	121	109	162	133	148	88	82	69	301	301	10	183	S
3-Sep-06	251	298	287	283	274	283	216	196	212	188	155	109	104	102	91	98	92	81	75	57	64	52	317	58	89	E
4-Sep-06	51	298	294	61	162	314	227	220	260	328	253	60	140	164	220	325	249	338	285	291	318	329	302	261	284	WNW
5-Sep-06	231	218	188	183	211	200	240	186	222	239	232	225	254	298	301	303	294	285	294	285	295	284	287	84	263	W
6-Sep-06	181	282	280	302	280	287	314	237	256	230	233	216	267	279	290	316	307	318	35	53	44	66	265	299	291	WNW
7-Sep-06	284	332	270	292	288	253	246	56	152	125	110	88	84	86	91	85	78	79	74	70	69	76	73	80	79	E
8-Sep-06	80	78	80	80	79	78	79	87	97	99	97	95	96	96	105	81	78	73	76	42	39	43	333	288	80	E
9-Sep-06	287	293	276	214	236	280	290	291	248	235	272	296	299	287	306	310	250	248	231	215	209	214	187	160	260	W
10-Sep-06	190	140	195	217	301	194	192	207	218	228	238	231	235	256	252	235	254	254	256	257	256	270	264	235	240	WSW
11-Sep-06	257	284	241	155	165	205	292	276	279	235	259	261	254	245	245	251	260	263	268	256	255	266	263	262	255	WSW
12-Sep-06	249	279	247	254	248	227	237	234	234	228	298	310	276	247	252	244	250	259	273	275	258	221	226	252	252	WSW
13-Sep-06	256	243	251	260	247	267	290	300	304	311	321	357	290	308	264	308	357	339	336	339	341	337	341	335	312	NW
14-Sep-06	341	344	354	358	1	356	352	354	349	348	347	350	352	351	346	347	347	353	341	338	329	324	326	326	348	NNW
15-Sep-06	329	345	359	26	24	21	32	38	31	27	20	14	33	37	42	47	41	41	52	54	68	69	45	64	30	NNE
16-Sep-06	33	72	65	35	32	38	41	40	29	33	21	3	356	358	350	17	25	47	70	106	158	166	161	149	N	-
17-Sep-06	150	121	131	90	87	121	118	82	109	114	113	113	109	134	108	104	93	94	94	85	81	89	80	80	N	-
18-Sep-06	80	81	81	84	86	79	82	84	88	77	70	81	81	71	68	76	75	31	19	20	25	20	14	5	65	ENE
19-Sep-06	4	28	10	342	5	314	306	310	297	308	272	246	239	234	200	244	202	171	125	114	113	116	112	119	298	WNW
20-Sep-06	106	99	96	88	117	121	115	96	87	101	92	66	94	317	272	240	313	319	326	320	140	156	187	228	98	E
21-Sep-06	253	246	244	247	246	251	268	247	277	298	293	294	296	299	296	307	306	296	299	280	279	281	298	302	284	WNW
22-Sep-06	284	270	280	235	230	246	245	242	256	235	233	204	203	200	215	222	214	235	230	218	222	227	228	225	232	SW
23-Sep-06	213	268	231	245	255	258	267	262	249	253	256	267	259	255	252	247	239	240	239	237	232	235	241	241	248	WSW
24-Sep-06	241	245	242	242	312	314	335	56	73	102	121	242	205	245	274	258	261	248	248	232	226	207	206	202	251	WSW
25-Sep-06	164	220	240	241	236	240	247	242	241	244	254	262	261	260	267	276	273	268	278	269	275	250	245	249	255	WSW
26-Sep-06	263	232	241	241	286	277	278	307	306	278	294	277	278	296	300	282	276	288	309	114	107	256	87	83	282	WNW
27-Sep-06	105	91	130	114	103	179	195	149	156	161	148	168	186	208	238	220	245	251	255	197	233	241	239	241	206	SSW
28-Sep-06	248	248	287	241	288	232	225	248	246	245	253	259	265	273	278	274	278	281	261	251	241	256	264	279	261	W
29-Sep-06	282	266	266	254	242	240	241	243	245	249	247	247	255	248	238	234	235	238	234	219	215	172	194	212	243	WSW
30-Sep-06	165	159	142	290	281	330	312	173	199	201	232	203	208	214	209	241	260	257	230	238	239	239	238	240	235	SW
Hourly Avg	255	277	266	264	258	259	261	244	247	248	259	263	258	259	261	265	267	273	274	270	262	261	261	256		

PASZA - Henry Pirker - Standard Deviation of Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms			Operational Time:			720 hrs		
Calibration Time:	0 hrs				AMD Operational Uptime:			100.0%		
Percentile	99	95	75	50	25	5	1			
	62.9	44.5	19.4	12.4	7.6	4.7	3.8			

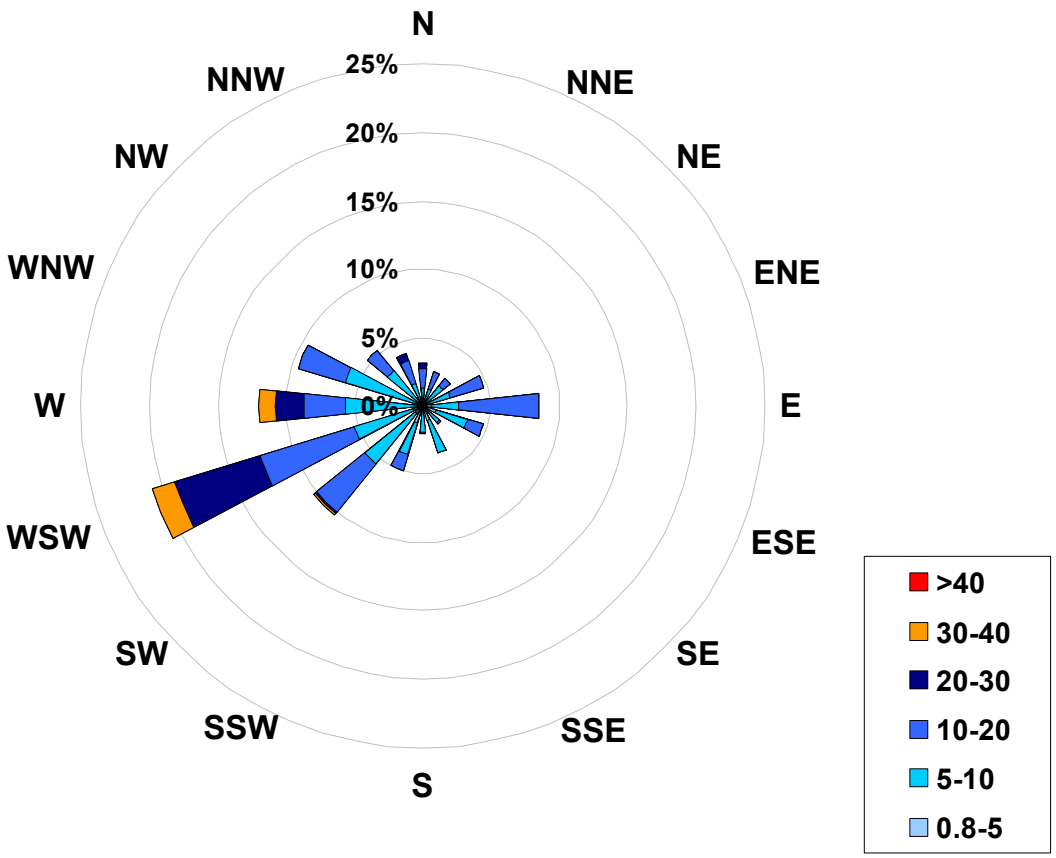
Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	8	15	15	9	17	13	10	19	16	9	9	10	13	12	17	11	16	16	13	9	35	19	48	21	48.2
2-Sep-06	12	38	16	39	11	48	72	16	35	21	32	47	43	65	55	38	24	39	15	7	11	49	22	43	71.8
3-Sep-06	59	13	12	13	16	13	31	15	17	29	33	22	18	24	16	20	14	8	7	5	6	16	55	11	58.6
4-Sep-06	24	15	15	19	31	22	31	31	34	55	32	64	50	37	57	64	48	44	60	40	49	33	31	43	63.6
5-Sep-06	36	15	12	14	29	12	51	17	14	17	24	45	67	59	24	11	9	9	7	5	39	17	34	54	67.4
6-Sep-06	36	25	13	16	31	25	35	17	14	15	21	40	41	31	16	11	13	16	16	11	11	15	27	21	41.3
7-Sep-06	14	22	13	13	24	46	49	22	11	24	23	17	16	15	14	16	13	8	6	6	6	5	7	4	48.5
8-Sep-06	4	4	5	5	4	5	9	7	9	13	12	17	15	16	22	19	14	12	6	11	10	9	27	26	26.7
9-Sep-06	46	27	41	24	22	18	15	18	16	12	14	9	10	27	35	19	23	10	7	9	7	9	12	8	46.4
10-Sep-06	12	8	16	16	43	23	24	17	14	25	32	12	16	13	15	14	8	9	8	5	7	9	7	14	42.6
11-Sep-06	9	27	27	23	25	15	26	16	24	16	30	12	12	13	11	10	8	7	6	6	6	7	4	7	30.4
12-Sep-06	22	51	15	18	9	9	19	13	9	14	31	30	17	12	11	9	10	8	6	4	11	7	7	12	50.7
13-Sep-06	13	13	8	7	6	14	15	14	8	14	40	22	13	36	13	15	12	7	5	5	4	4	6	4	39.8
14-Sep-06	4	7	8	8	9	10	9	9	9	7	8	8	8	8	7	9	9	9	5	6	7	7	6	6	9.6
15-Sep-06	7	9	14	15	11	10	15	11	12	13	11	10	11	12	10	10	17	15	12	11	8	11	17	21	21.0
16-Sep-06	22	22	13	20	17	26	16	15	16	23	30	24	16	18	14	15	18	13	10	12	21	9	9	16	29.9
17-Sep-06	15	22	14	12	6	16	16	12	13	15	14	18	20	16	16	18	14	10	8	7	5	8	9	8	21.8
18-Sep-06	5	7	6	7	11	8	9	11	13	18	15	15	24	22	19	17	14	16	12	12	12	10	12	15	24.0
19-Sep-06	13	18	18	13	17	17	8	9	11	15	22	30	32	46	33	32	44	21	17	10	9	10	9	12	46.0
20-Sep-06	11	11	38	30	10	11	16	13	43	17	29	44	73	68	18	21	11	7	8	24	59	11	11	9	73.0
21-Sep-06	7	8	6	7	5	4	6	11	5	6	6	6	6	6	6	7	7	7	5	4	4	6	8	9	11.3
22-Sep-06	9	6	8	17	9	18	6	7	9	13	14	20	16	16	18	11	11	10	8	8	8	7	12	18	19.7
23-Sep-06	11	16	19	16	15	5	3	6	11	7	7	7	7	9	8	7	6	4	5	4	6	5	4	3	18.8
24-Sep-06	10	4	5	7	45	15	30	54	30	24	41	42	67	18	21	10	7	7	5	12	8	13	11	10	67.1
25-Sep-06	20	11	5	4	4	4	4	5	5	5	8	7	7	6	6	5	6	4	4	6	12	10	6	7	20.1
26-Sep-06	15	35	28	17	17	11	31	26	9	31	11	9	12	15	13	13	11	7	11	50	42	32	33	11	49.6
27-Sep-06	8	7	24	29	15	20	26	18	37	24	21	15	17	15	18	14	9	11	16	19	6	6	5	4	37.2
28-Sep-06	9	5	19	41	39	21	7	6	7	5	6	7	7	6	5	9	6	5	4	6	5	4	4	6	40.9
29-Sep-06	5	7	6	5	4	4	4	5	5	10	6	5	6	6	5	5	5	5	5	10	12	42	47	21	47.0
30-Sep-06	25	20	34	46	30	35	40	11	8	12	15	11	8	9	28	11	11	7	6	5	5	4	5	10	45.6
Hourly Max	59	51	41	46	45	48	72	54	43	55	41	64	73	68	57	64	48	44	60	50	59	49	55	54	

1-hr Average Wind Rose (in km/hr) Located at the Henry Pirker Site for September 2006



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	53
5	to	10	299
10	to	20	252
20	to	30	68
30	to	40	21
	>	40	0
Total Non-Zero Values			693

PASZA – Evergreen Park Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

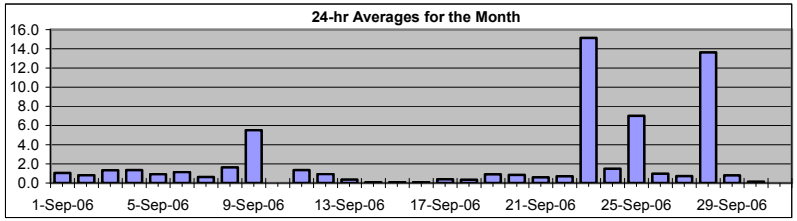
Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 172 ppb | 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	105.6	ppb	23-Sep	14:00 15:00
Maximum 24-hr Average:	15.1	ppb	23-Sep	



AIC Time:	33 hrs	Operational Time:	656 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	96.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	43.1	5.4	0.9	0.5	0.2	0.0	0.0	2.1 ppb	0.5 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	0	0	0	0	1	1	4	10	1	0	0	0	0	1	0	1	1	1	1	1	1.0	10.3
2-Sep-06	1	1	A	1	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	2.2
3-Sep-06	1	A	1	1	1	1	1	1	2	2	2	5	2	1	2	1	1	1	1	1	1	1	1	1	1.3	5.1
4-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	A	1.4	2.2
5-Sep-06	1	1	1	1	1	1	1	1	2	C	C	C	C	A	2	1	1	1	0	0	1	1	1	0	0.9	1.8
6-Sep-06	1	1	1	1	4	A	1	1	4	4	2	1	1	0	0	0	1	1	1	1	1	1	0	0	1.1	4.1
7-Sep-06	0	0	0	0	A	0	0	0	1	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0.6	4.0
8-Sep-06	0	0	1	A	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	N	1	1	1	1.6	2.9
9-Sep-06	1	1	A	1	1	1	5	9	21	20	14	2	N	N	2	1	20	12	1	1	1	2	1	1	5.5	20.8
10-Sep-06	1	A	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	A	N	0.8
11-Sep-06	A	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	1	18	3	0	0	0	0	A	1.4	17.6
12-Sep-06	0	0	0	0	0	0	0	1	0	0	2	10	2	1	2	0	0	0	0	1	0	0	0	0	1.0	10.2
13-Sep-06	0	0	0	0	0	A	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.1
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
15-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
16-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
17-Sep-06	0	A	0	0	0	0	0	0	0	2	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0.4	3.2
18-Sep-06	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	A	0.3	0.7
19-Sep-06	1	1	0	0	1	1	1	0	1	1	1	3	2	1	1	1	1	1	1	1	1	1	A	0	0.9	2.7
20-Sep-06	1	0	0	0	0	0	0	1	1	1	2	1	4	2	2	1	1	1	1	0	0	A	0	0	0.9	3.5
21-Sep-06	0	0	0	0	0	0	0	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	0.9
22-Sep-06	0	0	0	0	0	A	1	1	1	1	2	2	1	1	0	1	1	1	0	0	0	0	0	0	0.7	2.3
23-Sep-06	0	0	0	0	A	0	0	0	18	102	37	27	2	14	106	24	1	10	3	1	1	0	0	0	15.1	105.6
24-Sep-06	0	0	0	A	0	0	0	0	0	0	5	1	5	7	0	0	0	0	0	0	2	4	3	1	1.5	7.4
25-Sep-06	0	0	A	0	0	0	0	1	23	60	35	1	19	13	1	1	2	0	0	0	0	0	1	1	7.0	60.3
26-Sep-06	1	A	0	0	0	10	0	0	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	0	1.0	10.3
27-Sep-06	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	0.7	1.5
28-Sep-06	0	0	0	0	0	0	1	1	3	14	2	20	50	60	66	67	25	0	0	0	0	0	A	0	13.6	66.8
29-Sep-06	0	0	0	0	0	0	0	1	2	3	8	1	1	0	0	0	0	0	0	0	0	A	0	0	0.8	7.6
30-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.1	0.3
Hourly Avg	0.4	0.4	0.4	0.4	0.5	0.7	0.6	0.9	3.0	8.2	4.8	3.6	3.7	4.1	6.6	3.8	2.2	1.9	0.7	0.5	0.5	0.7	0.6	0.4		
Hourly Max	1.3	1.2	1.2	1.2	4.1	10.3	4.8	9.1	23.0	101.9	37.4	27.5	50.0	60.5	105.6	66.8	24.6	17.6	2.9	1.8	1.9	4.5	3.4	1.3		

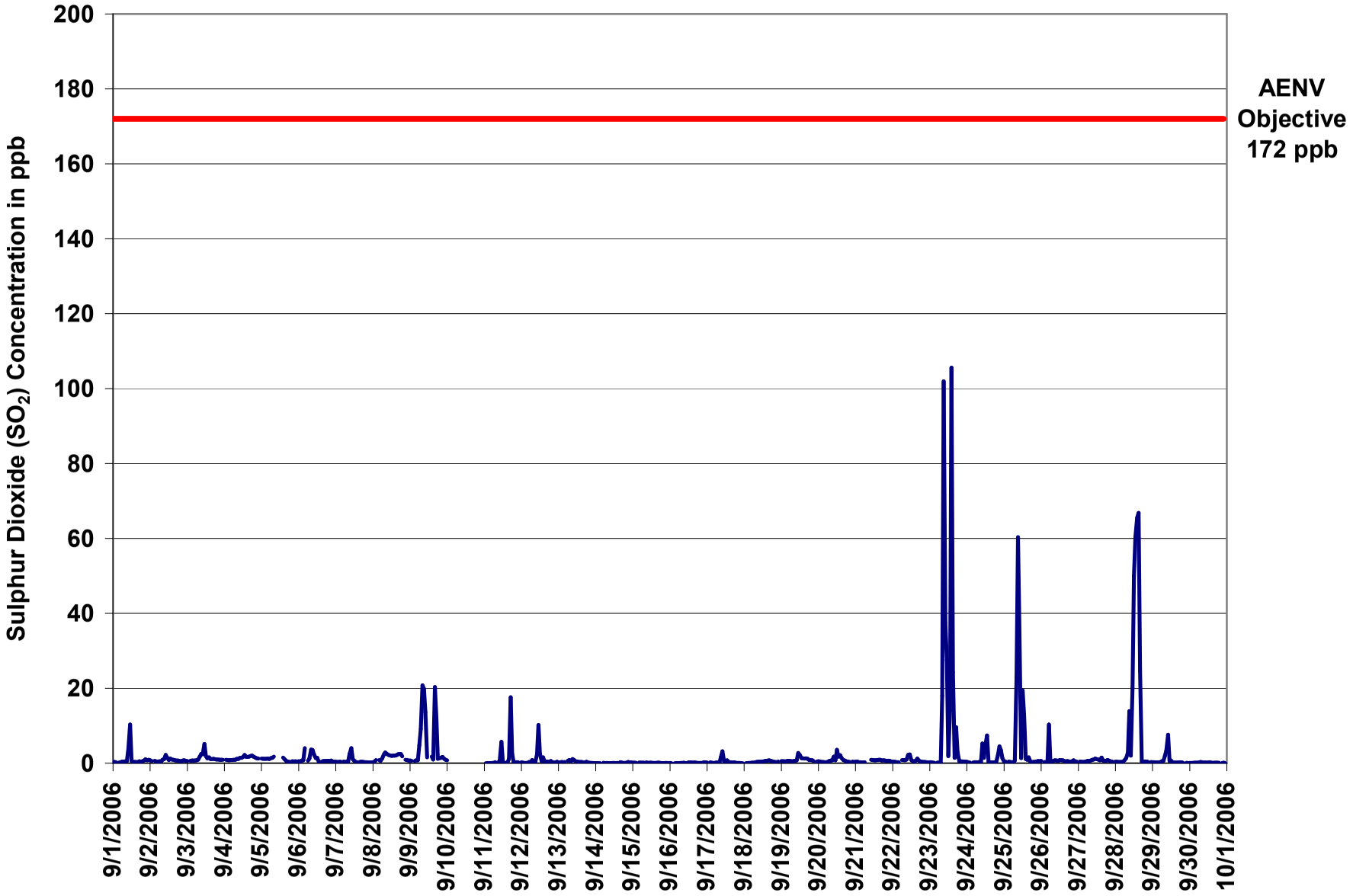


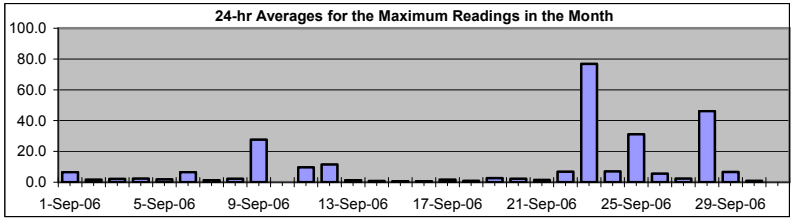
Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	309.6	ppb	23-Sep	9:00 10:00
Maximum 24-hr Value:	76.9	ppb	23-Sep	

AIC Time:	33 hrs	Operational Time:	656 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	96.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	165.3	58.8	2.2	1.2	0.8	0.6	0.4	9.3 ppb	1.2 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	1	1	A	1	1	1	1	2	3	69	45	1	1	1	1	1	10	1	1	2	2	2	2	6.5	69.4
2-Sep-06	1	1	A	1	1	1	1	1	1	3	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1.6	4.2
3-Sep-06	1	A	1	1	1	1	1	2	3	3	3	10	3	3	3	2	2	2	2	2	1	1	2	1	2.2	10.0
4-Sep-06	A	1	1	1	2	1	1	2	2	2	2	2	2	4	2	2	2	3	9	2	2	2	2	A	2.3	9.3
5-Sep-06	3	2	2	2	2	2	2	2	6	C	C	C	C	A	2	3	1	1	1	1	1	2	1	1	1.9	6.1
6-Sep-06	1	1	2	1	61	A	2	6	21	20	5	2	10	2	1	2	1	3	1	2	1	2	1	1	6.5	61.1
7-Sep-06	1	1	1	1	A	1	1	1	1	5	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1.3	5.7
8-Sep-06	1	1	1	A	1	1	2	3	4	3	3	3	3	3	3	3	3	3	3	3	ND	1	2	1	2.3	3.6
9-Sep-06	2	1	A	1	1	1	31	36	120	90	135	4	ND	ND	27	8	69	43	2	2	2	2	2	1	27.6	135.4
10-Sep-06	1	A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	A	N	1.3
11-Sep-06	A	0	0	0	0	1	1	1	1	1	19	51	1	1	2	3	16	82	27	1	1	3	1	A	9.7	82.1
12-Sep-06	1	1	0	1	1	1	1	7	5	1	23	83	45	2	63	6	6	2	2	16	1	1	1	8	11.5	83.0
13-Sep-06	1	1	1	1	1	A	6	2	2	2	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1.3	5.7
14-Sep-06	1	1	1	1	A	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	2	2	1	0.8	2.4
15-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0.6	0.9
16-Sep-06	1	1	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.0
17-Sep-06	1	A	1	1	1	1	1	1	1	12	8	1	3	2	1	1	1	1	1	1	0	0	1	0	1.7	11.6
18-Sep-06	A	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.5
19-Sep-06	1	1	1	1	1	1	1	1	1	1	2	17	14	2	2	2	2	2	1	1	2	1	A	1	2.6	17.0
20-Sep-06	1	1	1	1	1	1	1	1	2	1	4	1	18	3	4	3	2	1	1	1	1	A	1	1	2.2	17.9
21-Sep-06	1	1	1	1	1	1	1	C	C	C	2	1	1	1	1	2	5	3	1	1	1	1	2	1	1.5	5.4
22-Sep-06	1	1	1	1	1	A	2	2	2	3	7	64	2	1	1	33	29	1	1	1	2	1	1	1	6.8	64.1
23-Sep-06	1	1	1	1	A	1	3	1	225	310	224	165	7	222	305	157	8	74	58	1	1	1	1	1	76.9	309.6
24-Sep-06	1	1	1	A	1	1	1	1	1	1	12	3	52	66	1	1	1	1	1	1	3	6	6	2	7.1	66.2
25-Sep-06	1	1	A	1	1	1	1	7	138	166	130	9	105	92	7	5	32	1	4	1	1	1	7	6	31.1	165.8
26-Sep-06	8	A	1	1	1	92	1	1	1	1	1	1	1	1	1	1	1	4	1	1	2	2	1	1	5.6	92.3
27-Sep-06	A	1	1	1	1	1	2	1	1	3	2	2	2	4	2	16	1	1	2	2	1	1	3	A	2.4	15.9
28-Sep-06	1	1	1	1	1	1	6	18	41	149	53	84	86	121	109	263	121	1	2	1	1	1	A	1	46.2	263.2
29-Sep-06	1	1	1	1	1	1	3	12	9	37	67	9	2	1	2	1	2	2	1	1	1	A	1	0	6.7	66.6
30-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	0	1	1	1	1	A	1	1	0	0.9	5.6
Hourly Avg	1.3	0.9	0.9	0.9	3.3	4.4	2.6	4.0	21.2	30.4	28.0	20.2	13.5	20.1	18.9	17.9	10.8	8.6	4.5	1.6	1.2	1.5	1.5	1.5		
Hourly Max	8.2	1.7	1.9	1.8	61.1	92.3	30.9	35.7	224.8	309.6	224.3	164.9	104.6	221.6	305.1	263.2	121.3	82.1	58.0	15.8	2.8	6.2	7.0	8.3		

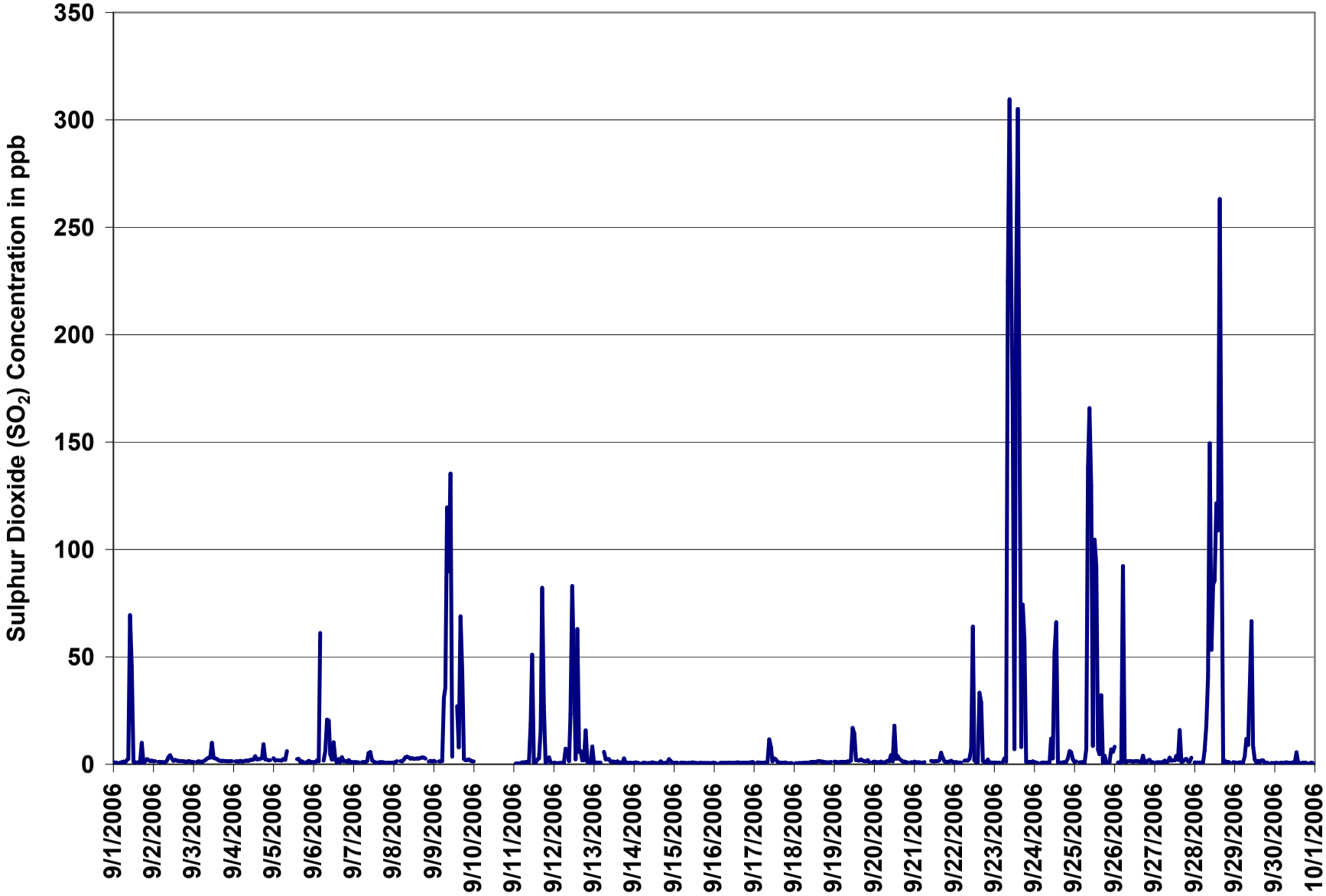
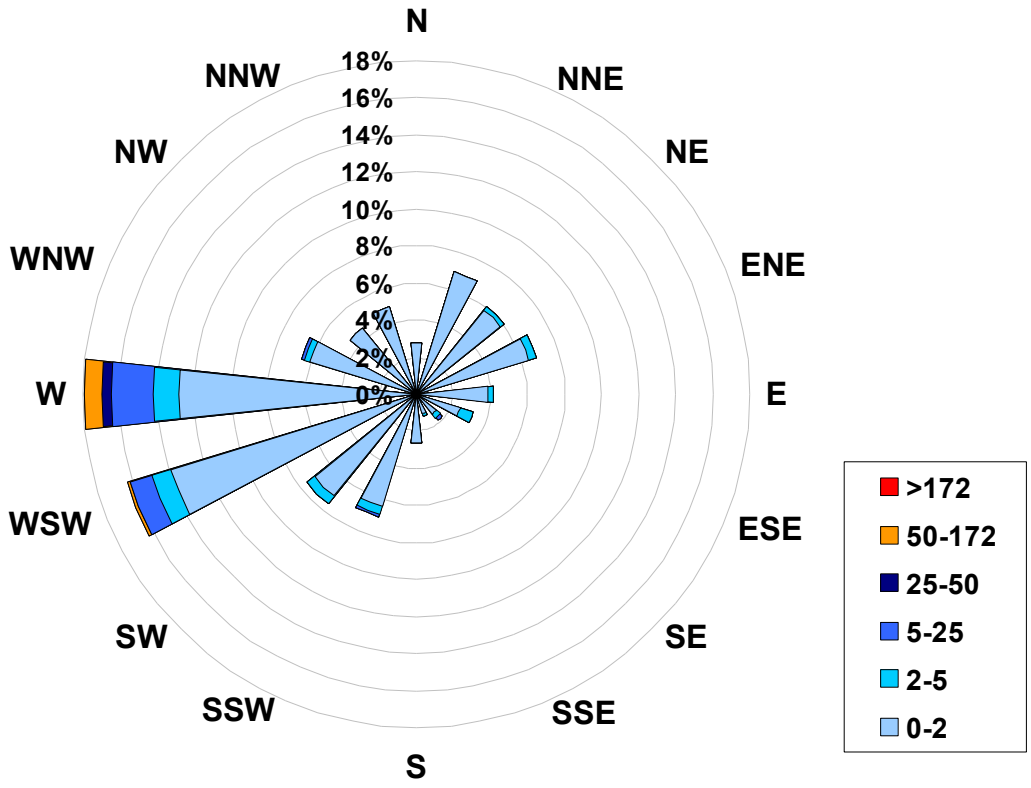


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Evergreen Park Site for September 2006



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	577
2	to	5	38
5	to	25	26
25	to	50	3
50	to	172	7
	>	172	0
Total Non-Zero Values			651

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

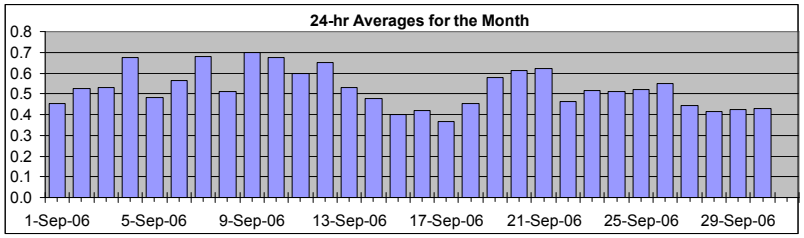
Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	2.8	ppb	10-Sep	18:00 19:00
Maximum 24-hr Value:	0.7	ppb	9-Sep	



AIC Time:	32 hrs	Operational Time:	681 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	0.8	0.6	0.5	0.4	0.4	0.3	0.5 ppb	0.5 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	A	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1	1	1	0	0	0.5	0.6
2-Sep-06	1	0	A	1	0	0	0	0	1	0	1	1	0	1	0	1	0	0	0	0	0	1	1	1	0.5	1.0
3-Sep-06	1	A	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	0.5	1.1
4-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	A	0.7	1.2
5-Sep-06	0	0	0	0	0	0	0	0	0	C	C	C	C	A	1	1	1	1	1	1	1	1	1	1	0.5	0.9
6-Sep-06	1	0	1	1	1	A	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0.6	1.1
7-Sep-06	1	1	2	2	A	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.7	2.1
8-Sep-06	0	0	0	A	0	0	1	1	0	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0.5	0.7
9-Sep-06	1	1	A	1	1	0	1	2	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0.7	1.8
10-Sep-06	0	A	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	3	1	1	1	0	0	0.7	2.8
11-Sep-06	A	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.6	1.0
12-Sep-06	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.7	1.7
13-Sep-06	0	1	1	1	0	A	0	1	1	1	1	0	0	0	1	0	0	0	0	0	1	1	1	1	0.5	0.7
14-Sep-06	1	1	1	1	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.5	0.5
15-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
16-Sep-06	0	0	A	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
17-Sep-06	0	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
18-Sep-06	A	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	1	0	1	0	1	A	0.5	0.5
19-Sep-06	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.7
20-Sep-06	1	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	1	0.6	1.1
21-Sep-06	1	1	0	1	1	1	1	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7
22-Sep-06	1	0	0	0	0	A	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.6
23-Sep-06	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5	0.8
24-Sep-06	0	0	0	A	0	0	1	0	0	0	1	1	1	1	1	1	1	0	1	0	1	1	1	0	0.5	0.8
25-Sep-06	1	1	A	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0.5	0.7
26-Sep-06	0	A	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0.5	0.7
27-Sep-06	A	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	1	1	0	0	A	0.4	0.6
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0.4	0.6
29-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	A	0	0	0.4	0.5
30-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	A	0	1	0	0.4	0.5
Hourly Avg	0.5	0.5	0.5	0.6	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5		
Hourly Max	1.1	0.8	2.1	1.9	0.8	1.1	1.0	1.8	1.2	1.1	0.8	0.9	0.7	1.2	0.7	1.2	1.2	1.2	2.8	0.9	0.9	0.7	0.7	1.0		

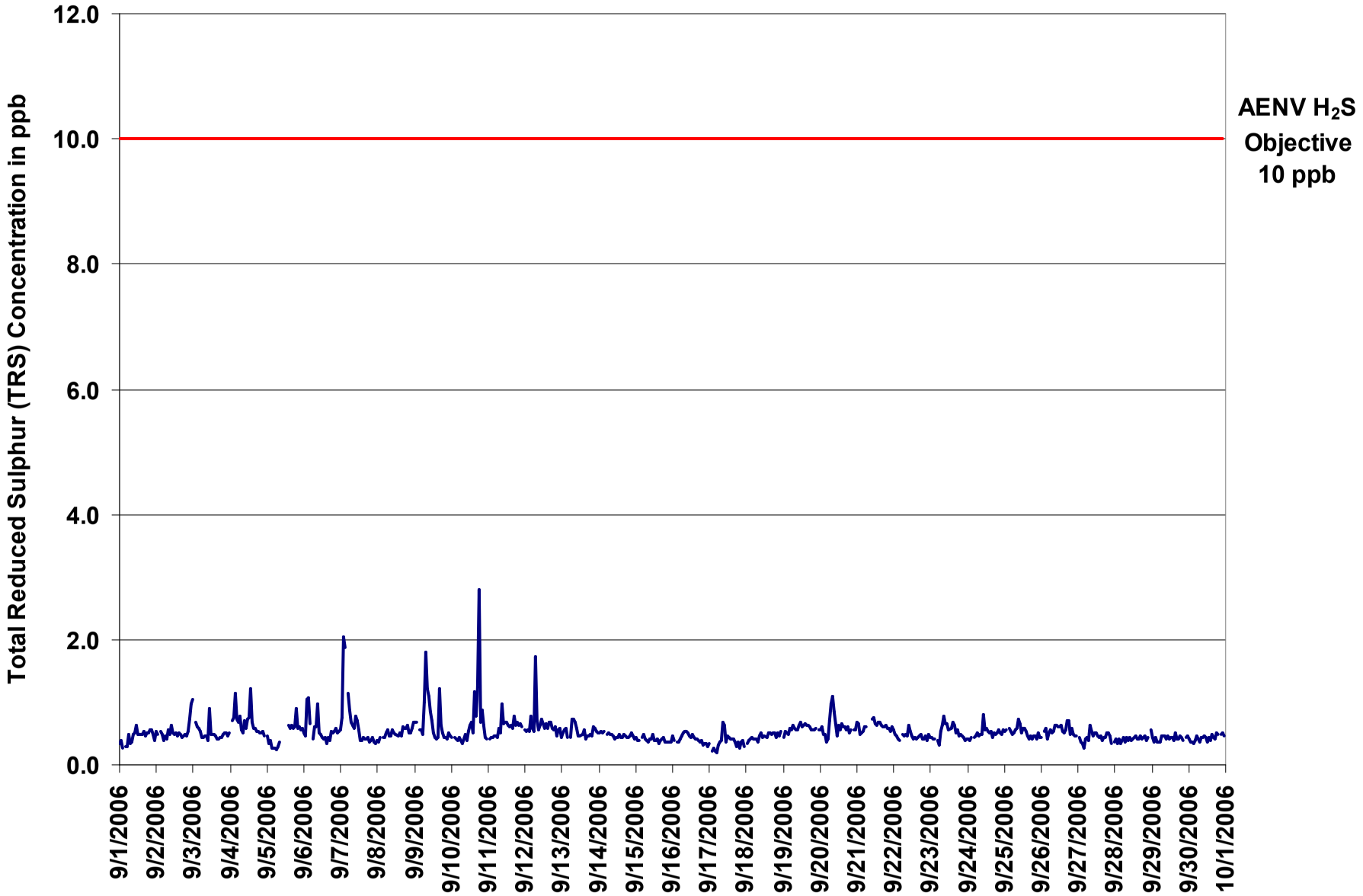


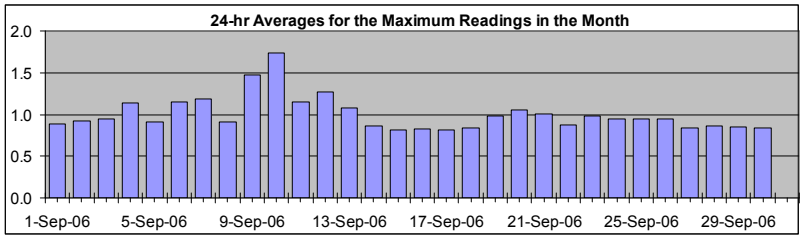
Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	11.8	ppb	10-Sep	18:00 19:00
Maximum 24-hr Value:	1.7	ppb	10-Sep	

AIC Time:	32 hrs	Operational Time:	681 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.2	1.5	1.0	0.9	0.8	0.7	0.6	1.0 ppb	0.9 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
2-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0.9	1.6
3-Sep-06	2	A	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5
4-Sep-06	A	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1.1	2.1
5-Sep-06	1	1	1	1	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	2	1	1	1	1	0.9	1.9
6-Sep-06	1	1	2	2	1	A	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	4.4
7-Sep-06	1	1	3	3	A	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.2
8-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
9-Sep-06	1	1	A	1	1	1	3	5	2	2	2	1	1	1	1	1	5	1	1	1	1	1	1	1	1.5	4.7
10-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	3	12	2	2	1	1	1	1.7	11.8
11-Sep-06	A	1	1	1	1	1	1	1	1	3	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1.1	3.0
12-Sep-06	1	1	1	1	1	1	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	6.4
13-Sep-06	1	1	1	1	1	A	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.6
14-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.0
15-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
16-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
17-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.5
18-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	1.0
19-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.0	1.2
20-Sep-06	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.1	1.6
21-Sep-06	1	1	1	1	1	1	1	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.1
22-Sep-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
23-Sep-06	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.8
24-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
25-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.3
26-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
27-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	1.1
28-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.2
29-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.9	1.2
30-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.8	0.9
Hourly Avg	0.9	0.9	1.0	1.0	0.9	0.9	1.0	1.3	1.0	1.2	1.1	1.0	1.0	1.0	0.9	1.0	1.1	1.0	1.3	1.0	0.9	0.9	0.9	0.9		
Hourly Max	1.5	1.4	3.2	2.7	1.6	1.5	2.6	6.4	2.1	4.4	1.8	1.5	1.3	2.1	1.2	3.7	4.7	3.3	11.8	1.9	1.5	1.3	1.3	1.6		

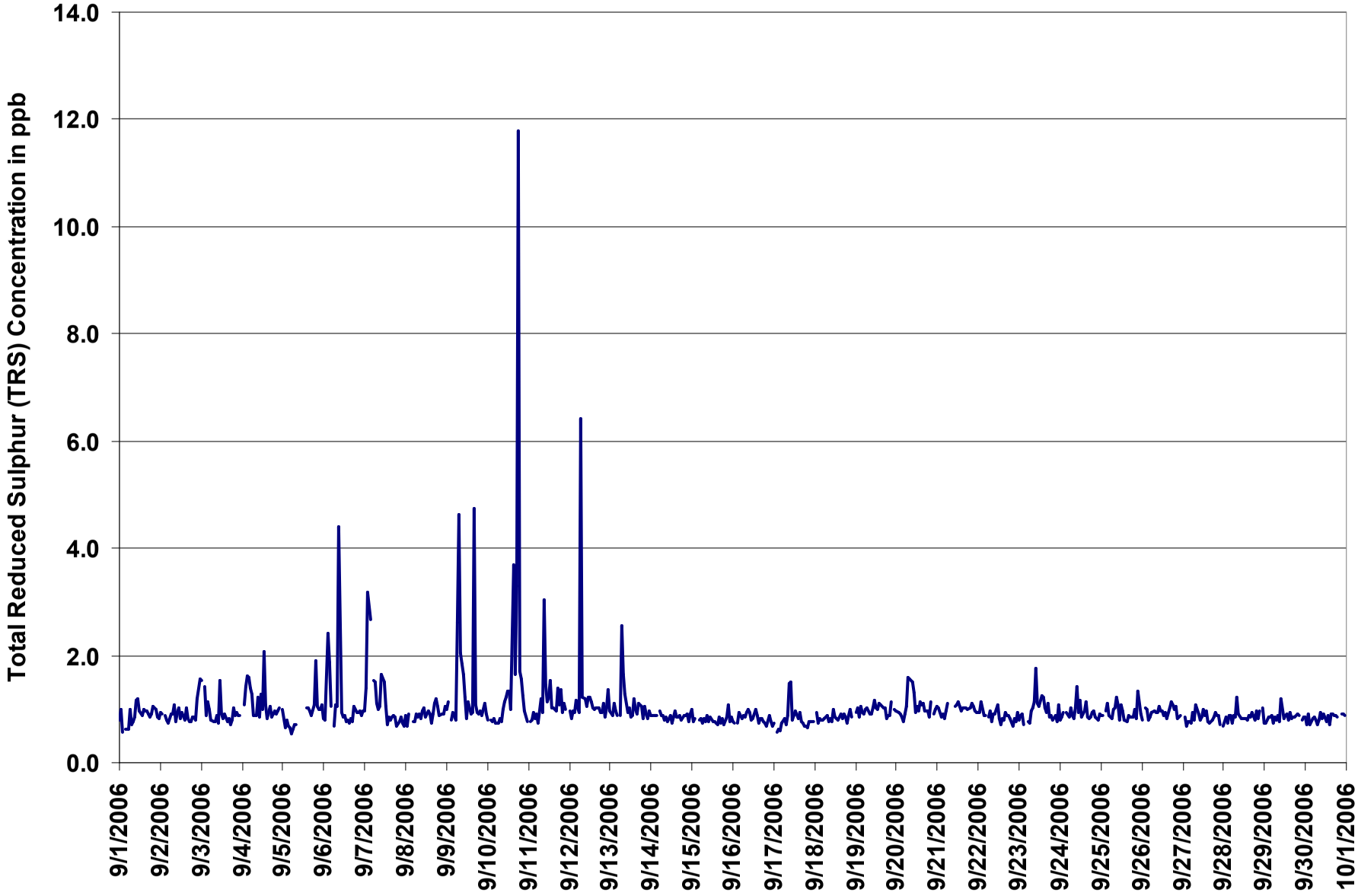
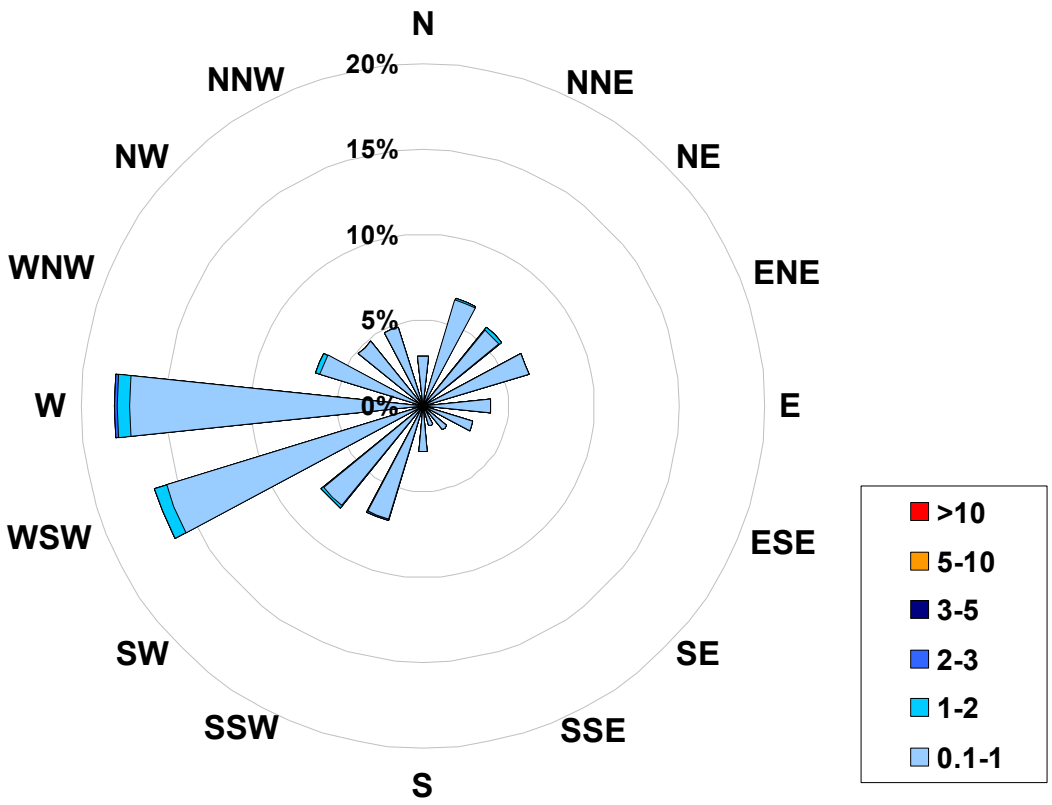


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Evergreen Park Site for September 2006



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	664
1	to	2	15
2	to	3	2
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			681

PASZA - Evergreen Park - Particulate Matter (less than 2.5 microns) Monthly Summary

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

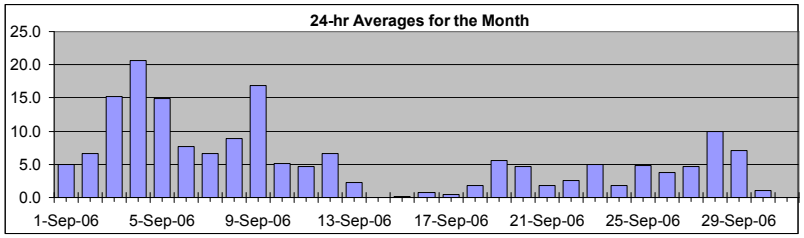
Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Draft Objective Limit: **Alberta Environment:** 1-hr - µg/m³ 24-hr 30 µg/m³

Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	61.0	µg/m³	28-Sep	10:00 11:00
Maximum 24-hr Value:	20.7	µg/m³	4-Sep	



AIC Time:	0 hrs	Operational Time:	719 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	29.8	19.8	8.9	3.4	1.0	0.0	0.0	5.9 / 3 µg/m˘	3.4 µg/m˘

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	2	1	1	1	2	4	6	3	4	5	12	4	4	3	4	5	2	3	10	7	13	10	13	4.9	12.7
2-Sep-06	13	9	10	9	5	4	6	11	4	5	8	4	2	3	2	2	3	4	6	7	7	10	14	12	6.6	13.7
3-Sep-06	11	12	12	10	11	10	13	16	30	37	33	25	12	8	12	9	8	10	10	13	15	15	16	15	15.2	37.3
4-Sep-06	16	16	17	16	17	16	18	19	18	18	17	20	20	23	22	21	22	23	29	35	27	24	22	20	20.7	35.3
5-Sep-06	19	17	15	13	14	14	17	22	18	22	22	20	22	17	14	6	6	5	3	7	22	16	14	13	14.9	22.4
6-Sep-06	11	9	10	9	7	7	10	16	15	17	9	9	3	2	1	2	2	1	5	4	7	10	11	9	7.7	17.2
7-Sep-06	12	9	8	11	10	12	11	15	14	11	11	6	0	1	2	1	0	1	3	4	6	5	4	3	6.6	15.3
8-Sep-06	3	3	4	4	5	4	6	7	7	7	8	8	8	10	10	10	10	11	12	15	12	12	16	18	8.8	17.8
9-Sep-06	16	16	16	16	18	14	20	20	34	27	17	11	1	1	5	8	28	32	22	19	19	17	16	11	16.9	34.4
10-Sep-06	8	8	7	3	3	6	9	14	4	6	2	8	10	11	2	3	4	4	3	2	3	1	1	1	5.1	14.2
11-Sep-06	2	2	2	1	0	1	3	18	5	3	3	3	5	3	7	16	13	11	3	6	2	1	3	1	4.7	17.7
12-Sep-06	0	0	1	1	2	6	7	11	8	6	7	10	7	7	11	13	13	12	9	8	10	5	2	2	6.7	12.9
13-Sep-06	1	1	1	2	2	2	6	15	8	3	4	3	2	1	1	0	1	1	1	0	0	0	0	0	2.3	14.8
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.0	0.6
15-Sep-06	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1	0.9
16-Sep-06	1	1	1	1	0	1	0	1	2	1	1	0	1	0	1	0	1	0	0	0	0	0	3	2	0.8	2.6
17-Sep-06	1	0	0	D	0	0	1	2	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	4.6
18-Sep-06	0	0	0	0	1	0	2	2	2	2	1	3	2	2	2	3	4	3	3	2	3	2	2	2	1.8	3.6
19-Sep-06	3	3	4	4	4	5	6	6	6	7	8	7	6	5	6	5	5	5	5	7	6	11	7	5	5.6	10.5
20-Sep-06	3	3	2	5	3	3	3	4	6	10	3	4	9	6	8	9	6	4	4	3	3	2	4	3	4.7	10.3
21-Sep-06	2	1	0	0	1	0	3	3	4	2	0	0	0	0	1	0	1	2	4	4	4	4	4	3	1.8	4.2
22-Sep-06	3	3	2	1	1	3	5	11	6	4	3	3	2	1	1	2	2	2	1	1	1	1	1	0	2.5	11.4
23-Sep-06	0	0	0	0	0	2	2	6	7	20	15	16	5	11	24	6	3	3	0	0	0	0	0	0	5.0	23.6
24-Sep-06	1	1	0	1	1	2	2	2	1	1	4	2	4	5	1	1	2	3	3	3	0	1	1	1	1.7	5.3
25-Sep-06	1	2	1	1	2	2	0	0	4	13	9	4	10	16	5	1	2	3	3	9	15	6	5	4	4.9	15.7
26-Sep-06	4	4	4	4	4	5	5	7	9	7	7	4	1	1	0	1	1	1	2	1	2	7	4	3	3.7	9.0
27-Sep-06	4	4	3	2	2	3	5	5	10	6	4	5	4	4	4	5	4	8	9	8	5	3	2	1	4.7	9.9
28-Sep-06	2	3	1	1	2	3	5	9	7	7	61	36	22	18	10	13	14	2	6	5	4	3	4	2	10.0	61.0
29-Sep-06	1	0	1	1	1	2	5	7	15	19	24	28	15	12	18	8	5	3	1	2	1	1	1	1	7.1	28.1
30-Sep-06	1	1	1	1	2	2	2	3	4	2	3	2	0	0	0	0	1	0	0	1	0	1	0	0	1.1	3.5
Hourly Avg	4.6	4.3	4.1	4.1	4.0	4.4	5.9	8.7	8.5	9.0	9.7	8.4	5.9	5.8	5.7	5.1	5.6	5.2	5.0	5.9	6.1	5.7	5.5	4.9		
Hourly Max	18.5	17.0	16.5	16.3	18.3	16.3	20.4	22.1	34.4	37.3	61.0	35.6	21.8	22.9	23.6	20.9	28.4	31.9	29.3	35.3	26.6	24.0	22.4	19.9		

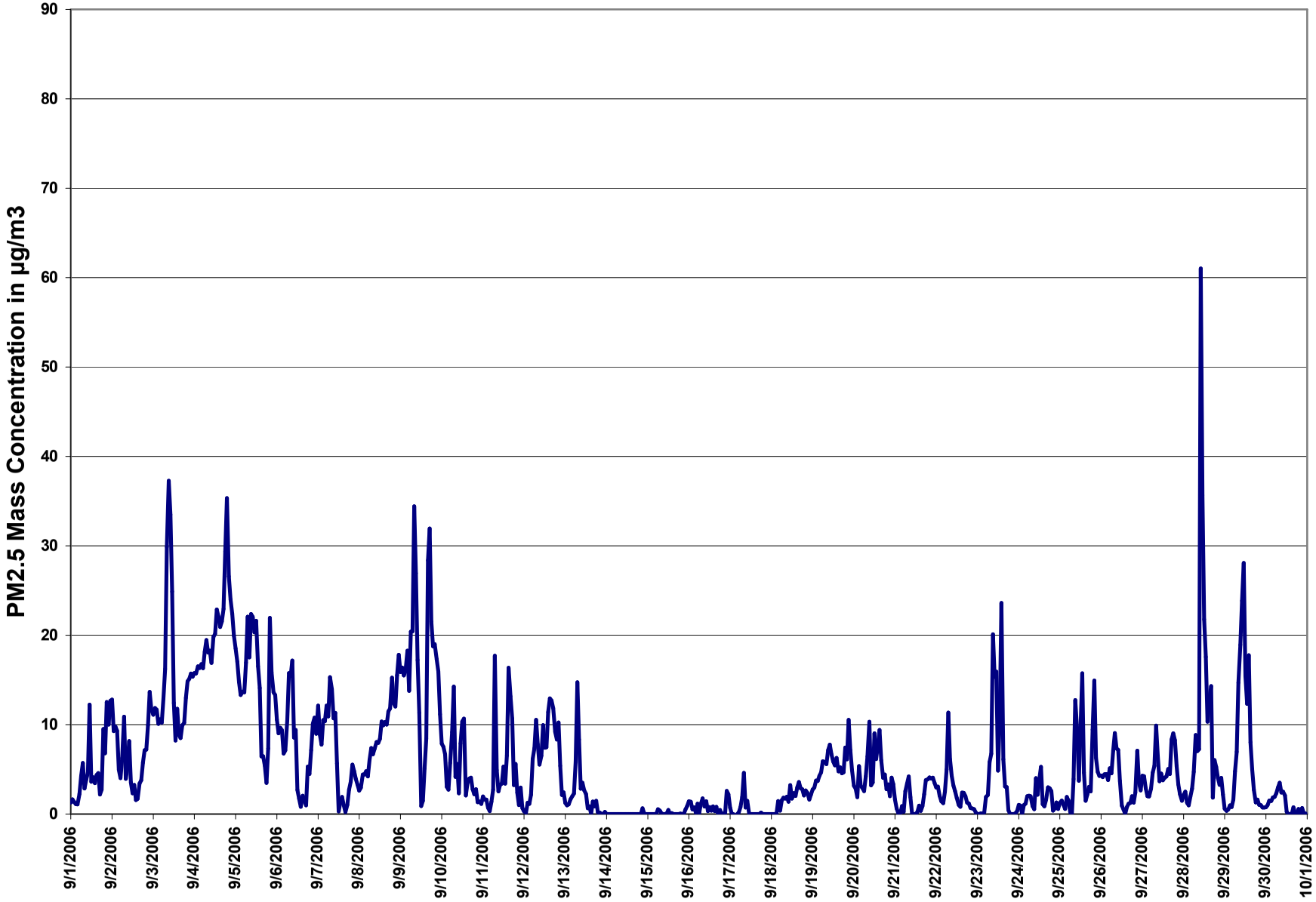


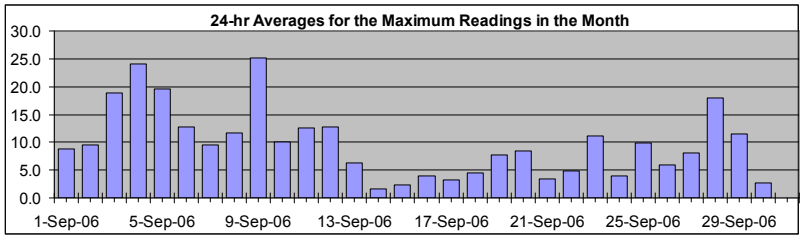
Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	93.7	µg/m³	28-Sep	10:00 11:00
Maximum 24-hr Value:	25.2	µg/m³	9-Sep	

AIC Time:	0 hrs	Operational Time:	719 hrs	
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%	

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	40.8	27.3	13.2	6.3	3.3	1.3	0.4	9.8 / 6 µg/m˘	7.9 µg/m˘

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	2	2	2	4	4	5	6	10	6	6	12	21	7	7	6	11	9	7	6	18	12	17	12	15	8.7	21.2
2-Sep-06	15	12	12	11	8	6	7	13	11	11	14	8	5	6	3	3	7	6	8	10	11	15	16	14	9.6	15.6
3-Sep-06	13	15	16	11	12	13	15	21	35	41	41	33	18	10	15	14	12	12	12	18	19	19	18	19	18.8	40.9
4-Sep-06	17	17	18	18	19	18	20	21	21	21	24	26	24	26	26	23	23	26	41	42	32	26	25	22	24.0	42.0
5-Sep-06	21	22	18	15	15	16	20	30	22	29	29	23	26	21	20	15	12	8	6	12	34	21	17	18	19.6	34.3
6-Sep-06	14	12	14	12	9	16	18	25	19	24	14	13	6	9	5	5	5	5	10	8	16	20	15	12	12.7	24.9
7-Sep-06	15	11	10	12	12	16	13	20	19	12	14	12	7	4	4	4	3	4	5	6	9	6	6	4	9.5	20.3
8-Sep-06	4	4	6	6	6	8	8	9	8	9	10	11	11	14	13	16	13	15	15	19	20	14	20	20	11.7	20.2
9-Sep-06	19	25	20	20	21	20	32	35	51	33	40	18	6	9	11	19	36	39	33	24	25	27	27	13	25.2	51.4
10-Sep-06	11	9	9	5	4	10	13	21	16	13	9	15	20	18	9	18	10	6	6	5	5	3	3	3	10.1	20.9
11-Sep-06	5	5	8	5	3	5	12	26	11	6	8	11	16	9	10	66	41	21	9	9	4	3	6	2	12.5	66.3
12-Sep-06	2	4	3	4	6	11	17	17	14	13	13	18	21	13	16	25	20	23	16	14	16	8	8	6	12.8	25.1
13-Sep-06	3	3	2	4	4	5	17	20	15	8	5	6	7	11	6	5	10	4	3	2	3	4	2	2	6.3	19.7
14-Sep-06	0	0	1	0	1	2	1	1	1	1	1	2	3	3	3	1	1	1	2	2	2	5	2	2	1.6	5.0
15-Sep-06	1	1	1	2	2	2	3	3	4	1	2	2	5	1	2	3	2	1	3	3	2	2	3	4	2.4	5.1
16-Sep-06	3	5	4	4	3	4	4	5	4	4	4	3	8	4	3	4	6	3	3	2	3	2	6	6	4.0	7.7
17-Sep-06	3	3	2	D	1	4	5	5	10	10	8	1	2	3	1	1	1	2	2	1	1	2	2	2	3.2	10.3
18-Sep-06	2	3	2	4	5	3	4	5	5	4	3	9	5	5	4	5	7	6	5	4	5	4	4	4	4.4	8.6
19-Sep-06	4	5	5	5	6	6	7	8	7	10	10	10	8	7	8	7	8	9	8	10	10	12	10	6	7.8	12.3
20-Sep-06	5	5	5	10	7	5	5	9	9	14	13	6	14	9	11	15	12	11	9	5	5	4	6	5	8.4	14.8
21-Sep-06	3	3	0	1	4	1	5	9	8	6	0	0	0	2	2	1	3	5	5	5	5	5	6	5	3.4	8.9
22-Sep-06	4	4	4	3	3	6	8	15	9	6	6	6	3	3	3	5	5	6	5	4	3	2	2	2	4.8	15.4
23-Sep-06	0	1	2	2	2	5	8	9	12	33	35	31	10	24	39	24	9	8	7	0	1	1	2	2	11.1	38.7
24-Sep-06	2	2	1	2	2	4	3	3	3	2	7	4	11	14	2	3	5	5	7	5	2	2	3	2	4.0	14.5
25-Sep-06	3	3	3	2	7	2	3	1	16	17	15	6	23	23	10	5	6	5	4	26	35	10	6	7	9.9	34.9
26-Sep-06	5	6	6	7	5	7	9	9	11	9	10	6	3	2	1	2	3	3	3	2	9	12	5	5	5.9	11.8
27-Sep-06	7	7	5	4	6	6	11	9	16	15	6	6	5	5	6	8	8	13	15	14	9	6	7	3	8.2	15.6
28-Sep-06	3	5	3	3	4	5	9	13	10	33	94	62	31	34	14	32	30	5	9	7	6	7	7	4	17.9	93.7
29-Sep-06	3	2	2	3	2	5	9	9	22	22	40	50	21	17	28	12	7	5	3	3	3	3	3	2	11.5	49.8
30-Sep-06	2	2	3	3	3	4	4	4	5	5	4	3	2	1	2	0	3	2	2	3	2	3	2	1	2.7	5.3
Hourly Avg	6.5	6.6	6.2	6.3	6.2	7.4	9.9	13.0	13.4	13.9	16.4	14.1	11.0	10.4	9.4	11.7	10.5	8.9	8.7	9.4	10.2	8.9	8.2	7.0		
Hourly Max	20.9	24.6	20.5	19.9	21.4	20.5	32.1	34.9	51.4	40.8	93.7	61.6	30.6	33.9	38.7	66.3	40.6	38.8	40.8	42.0	34.9	27.2	26.7	21.9		

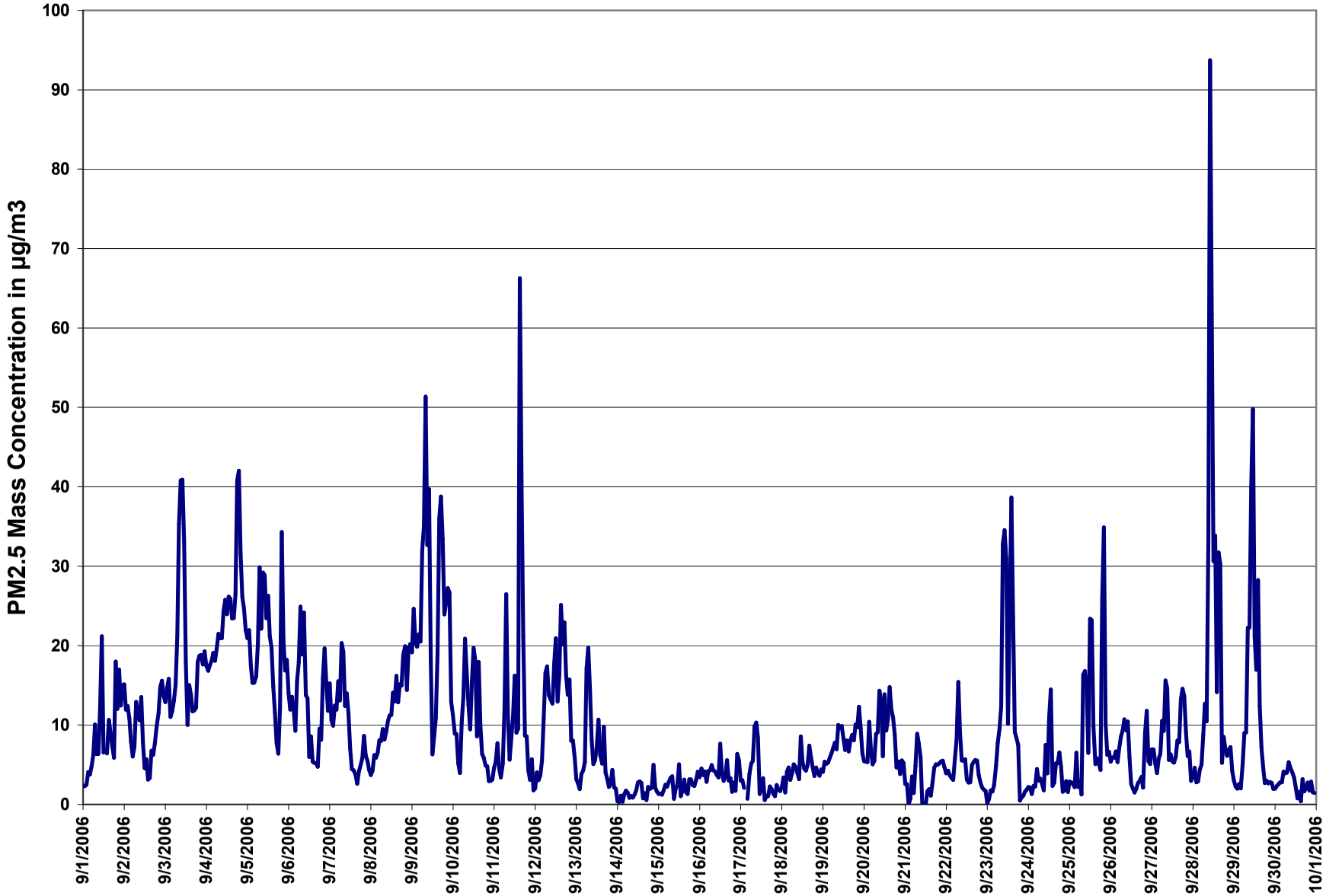
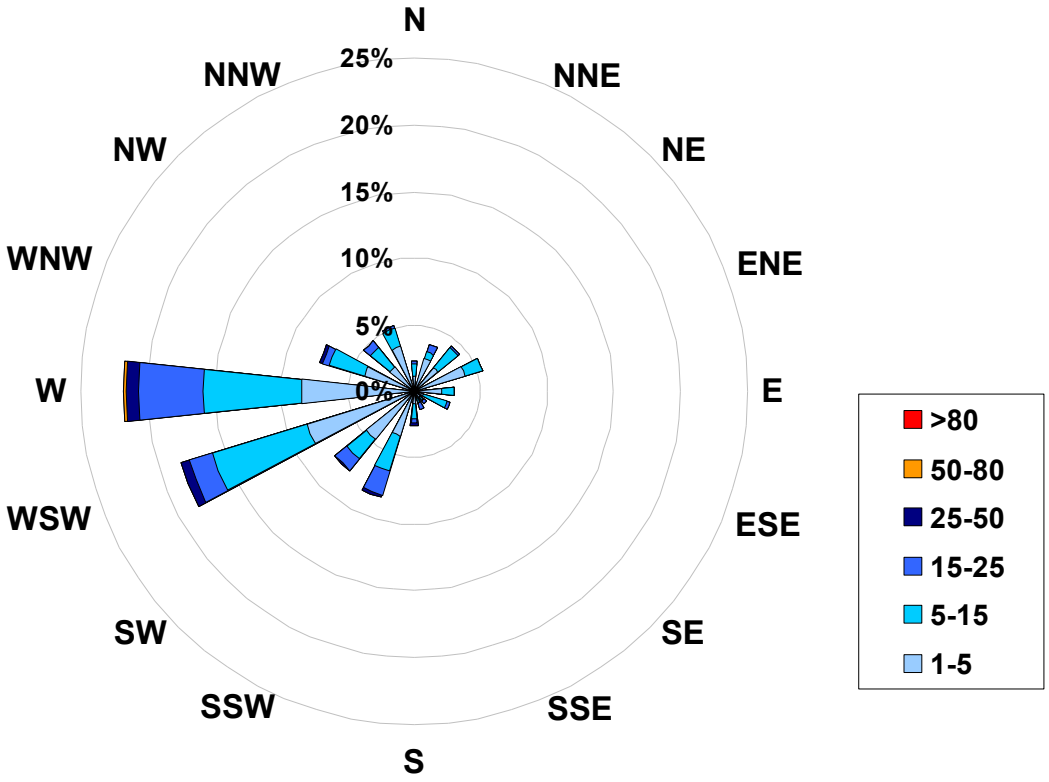


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Evergreen Park Site for September 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	444
5	to	15	191
15	to	25	71
25	to	50	12
50	to	80	1
	>	80	0
Total Non-Zero Values			719

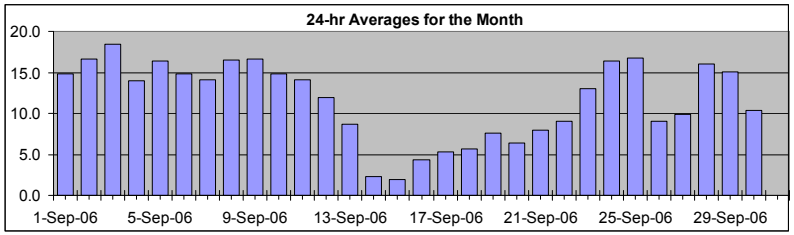
PASZA - Evergreen Park - Temperature Monthly Summary

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.5	°C	3-Sep	16:00 17:00
Maximum 24-hr Value:	18.4	°C	3-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	28.7	24.8	16.6	10.6	6.5	1.6	-0.5	11.6 °C	10.6 °C

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	11	8	6	4	3	2	2	6	12	16	19	21	23	24	24	25	26	26	26	21	16	13	12	10	14.9	25.9
2-Sep-06	9	8	7	6	6	5	5	8	14	17	20	24	25	27	28	28	29	29	28	22	17	14	13	12	16.7	28.7
3-Sep-06	11	10	12	12	11	8	8	10	14	17	21	24	27	28	30	30	31	30	29	23	17	15	13	11	18.4	30.5
4-Sep-06	11	10	9	8	8	7	7	9	11	14	15	17	19	18	19	20	21	20	19	18	16	15	14	12	14.0	20.8
5-Sep-06	11	10	9	8	7	7	7	9	12	14	17	20	23	25	27	29	29	29	27	23	16	13	11	9	16.4	29.5
6-Sep-06	8	7	6	5	5	4	6	9	13	16	19	22	23	25	25	26	26	26	24	19	14	12	10	8	14.8	25.6
7-Sep-06	7	6	5	4	3	3	2	4	9	13	17	21	23	24	25	26	26	24	22	18	16	15	13	12	14.1	26.0
8-Sep-06	11	11	11	9	9	8	9	11	15	17	18	20	22	24	25	26	27	26	24	20	17	15	13	12	16.6	26.6
9-Sep-06	10	10	10	8	9	10	11	11	12	16	19	22	23	24	25	25	24	23	22	19	19	17	15	14	16.6	25.2
10-Sep-06	13	13	13	11	9	8	7	9	13	16	18	20	20	19	19	21	20	20	19	16	15	14	12	9	14.8	20.7
11-Sep-06	10	10	10	10	7	6	5	8	12	14	17	19	20	20	21	20	19	19	18	17	15	14	14	13	14.1	20.7
12-Sep-06	10	6	7	6	7	6	5	7	10	12	14	16	18	18	18	18	18	17	17	14	12	9	11	10	11.9	17.8
13-Sep-06	9	8	7	7	6	4	4	5	7	10	12	13	13	12	12	12	11	11	11	9	8	6	5	4	8.6	13.4
14-Sep-06	4	4	3	3	3	3	3	3	3	2	3	3	3	2	2	2	2	2	2	1	1	1	0	0	2.3	4.1
15-Sep-06	0	0	0	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	3	3	2.0	3.4
16-Sep-06	3	3	3	3	3	3	3	3	3	4	5	6	6	7	6	7	7	7	5	5	4	4	4	4	4.4	6.9
17-Sep-06	3	3	3	1	-1	-1	-1	-1	2	5	7	8	10	11	12	12	12	11	9	6	5	4	4	3	5.3	12.2
18-Sep-06	2	1	1	1	1	2	2	2	4	5	6	7	8	9	10	10	11	10	9	8	7	7	7	6	5.7	10.7
19-Sep-06	6	6	6	6	6	6	6	6	7	7	8	9	9	10	10	11	11	12	10	7	5	5	7	7	7.6	11.8
20-Sep-06	6	4	2	2	2	1	1	1	2	4	7	9	10	11	12	11	10	10	9	8	8	8	8	8	6.4	11.7
21-Sep-06	8	7	7	7	7	7	7	7	7	8	8	8	9	9	9	10	10	10	9	9	8	7	7	6	7.9	10.1
22-Sep-06	6	6	6	5	4	3	3	4	6	7	9	11	12	14	14	14	14	13	12	12	11	11	10	9	9.0	14.1
23-Sep-06	9	8	5	3	2	2	2	7	11	15	17	19	19	20	19	19	19	18	17	17	16	16	16	16	13.0	19.9
24-Sep-06	15	15	15	15	14	13	12	10	12	14	16	17	18	20	21	22	22	21	19	17	17	17	16	14	16.4	22.1
25-Sep-06	11	11	16	17	17	16	17	17	17	17	18	19	20	20	20	20	19	18	17	16	15	15	14	13	16.7	19.8
26-Sep-06	12	10	9	8	6	6	6	7	8	10	11	11	12	13	14	14	14	14	12	7	5	3	2	1	9.0	14.4
27-Sep-06	0	0	0	-1	-1	-1	-1	0	3	7	11	13	16	18	19	20	21	19	16	14	15	17	17	17	9.9	20.9
28-Sep-06	16	14	14	13	10	10	13	15	16	16	18	19	19	19	19	20	20	18	18	17	16	16	14	15	16.0	19.9
29-Sep-06	16	16	16	17	17	17	16	16	17	17	18	18	18	17	17	16	15	13	12	11	10	10	10	10	15.0	17.9
30-Sep-06	10	10	9	9	9	9	9	8	9	9	9	10	11	12	14	15	15	13	12	11	10	9	8	8	10.3	14.9
Hourly Avg	8.6	7.9	7.6	7.0	6.4	5.8	5.9	7.2	9.3	11.4	13.3	14.9	16.0	16.8	17.4	17.7	17.6	17.1	15.9	13.5	11.8	10.8	10.0	9.2		
Hourly Max	16.4	16.0	16.3	17.3	17.2	16.6	16.7	16.7	16.7	17.3	20.8	24.4	26.9	28.5	29.5	30.4	30.5	30.1	28.6	23.1	18.9	16.9	17.3	16.8		

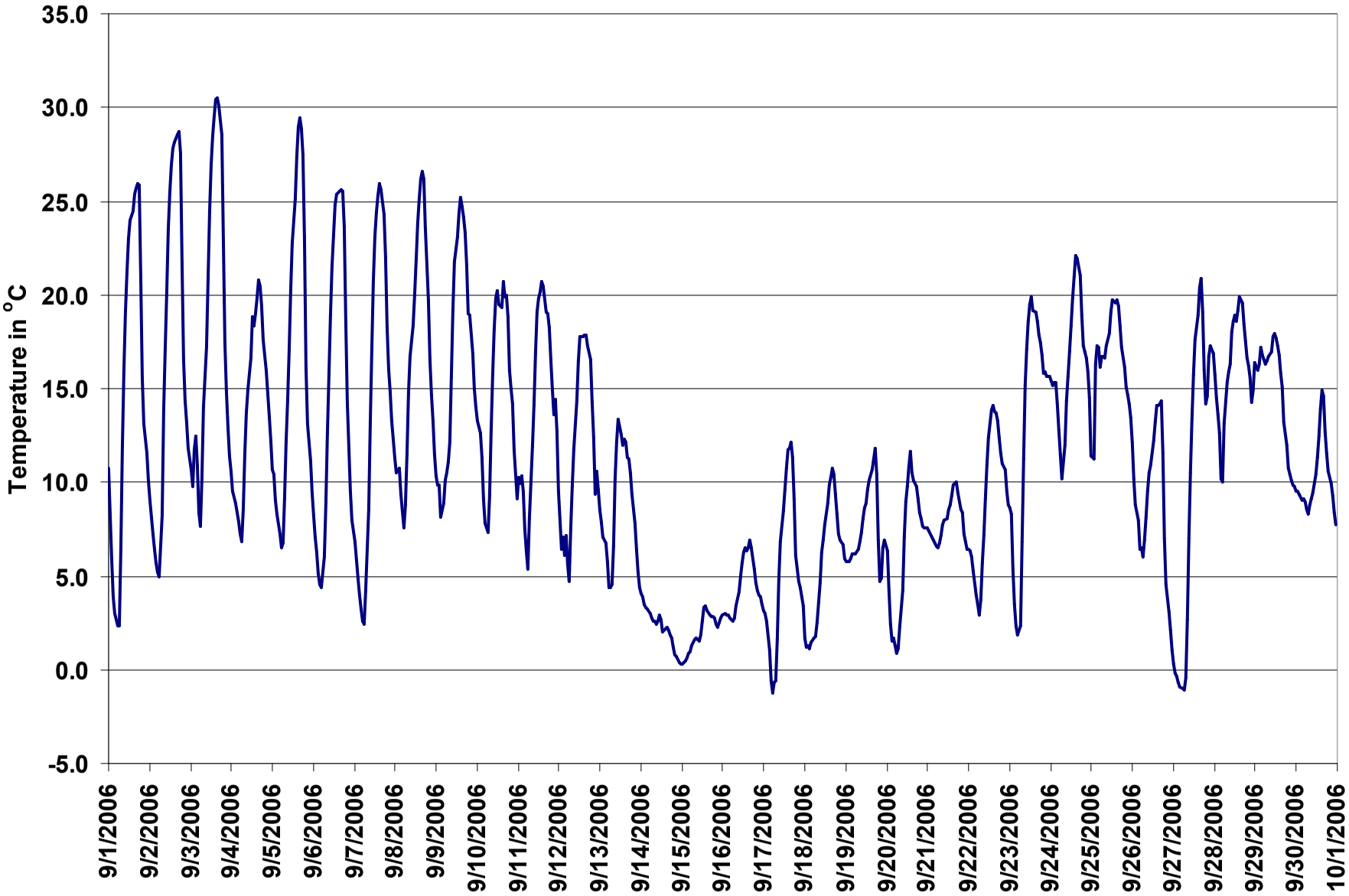


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

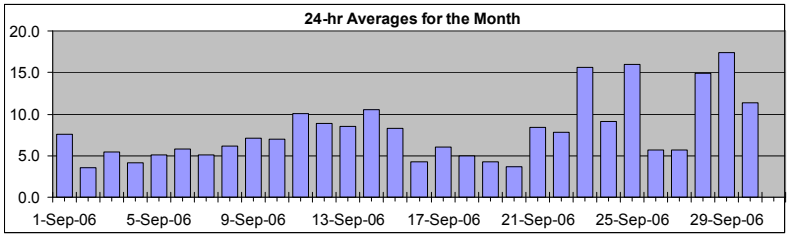
PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	28.6	km/hr	29-Sep	14:00 15:00
Maximum 24-hr Value:	17.4	km/hr	29-Sep	

Calm Time:	0 hrs	**0%** calms	Operational Time:	720 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageS
	26.6	20.4	9.8	6.0	4.1	2.4	1.9	7.9 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Sep-06	10	6	4	3	2	2	3	2	5	13	17	17	14	15	12	14	12	10	5	2	2	3	3	3	7.6	17.4
2-Sep-06	2	2	2	3	3	2	2	2	4	5	4	4	5	6	5	7	5	5	5	2	2	2	3	2	3.6	6.5
3-Sep-06	3	3	6	6	6	5	6	5	6	5	4	6	9	8	8	7	9	8	6	4	3	3	3	3	5.4	8.6
4-Sep-06	2	2	2	3	4	2	5	4	6	5	7	6	6	7	5	5	4	4	4	3	4	3	3	2	4.1	7.2
5-Sep-06	4	4	4	4	3	3	3	4	7	6	5	5	6	5	6	8	10	11	8	5	4	3	3	3	5.1	10.6
6-Sep-06	3	3	3	4	4	5	5	6	7	7	6	5	8	11	12	11	10	9	6	4	4	2	3	3	5.8	12.2
7-Sep-06	2	2	2	2	2	2	3	2	4	4	4	6	8	9	9	9	10	8	6	5	6	5	6	6	5.1	9.6
8-Sep-06	6	6	6	6	6	6	5	5	7	7	7	8	9	8	7	7	7	6	5	5	6	4	3	4	6.1	8.9
9-Sep-06	4	5	4	4	5	8	8	6	8	10	10	11	9	8	7	7	11	8	5	7	10	6	6	5	7.1	11.1
10-Sep-06	3	2	4	4	2	2	4	4	6	8	8	11	16	12	9	11	16	15	9	6	6	5	5	2	7.0	16.1
11-Sep-06	5	4	4	5	3	4	3	3	9	12	11	14	17	15	15	17	18	18	10	11	10	11	14	8	10.1	18.0
12-Sep-06	4	5	6	4	6	5	4	5	7	6	11	12	17	17	15	15	16	13	10	6	5	5	9	8	8.8	17.5
13-Sep-06	9	7	7	7	5	5	6	5	4	8	5	8	9	15	9	15	11	7	8	11	12	11	11	10	8.5	15.4
14-Sep-06	10	11	12	13	13	12	13	11	11	13	13	14	15	11	10	10	11	10	8	8	6	6	6	5	10.5	15.0
15-Sep-06	6	7	8	10	10	11	10	11	11	11	12	9	9	11	9	9	8	7	7	7	7	4	3	2	8.3	11.9
16-Sep-06	3	3	2	3	3	3	3	4	4	5	4	4	6	6	6	7	6	6	6	5	4	4	5	3	4.3	6.5
17-Sep-06	2	3	3	3	3	2	2	1	4	6	9	9	10	9	10	10	9	10	6	7	7	7	6	5	6.0	10.1
18-Sep-06	4	4	5	5	4	5	5	5	5	5	7	6	5	5	6	4	4	5	6	6	5	4	5	3	4.9	6.6
19-Sep-06	5	5	4	4	4	4	5	5	5	4	4	5	6	4	4	5	4	4	4	3	2	3	5	4	4.3	5.5
20-Sep-06	4	4	3	3	2	2	3	3	3	4	3	3	4	5	5	6	6	5	3	3	3	3	4	5	3.7	5.9
21-Sep-06	5	6	6	7	7	7	7	7	8	9	12	12	13	13	12	12	11	10	11	5	5	5	5	6	8.4	13.1
22-Sep-06	7	6	6	8	6	5	5	6	8	8	9	6	9	11	12	11	10	8	8	9	9	8	7	9	7.9	11.5
23-Sep-06	11	8	3	2	3	3	4	6	9	15	19	21	22	24	25	26	27	27	25	21	16	19	19	19	15.6	26.7
24-Sep-06	17	15	15	11	7	7	5	3	4	5	6	5	7	12	12	14	14	14	9	6	8	8	8	6	9.1	16.9
25-Sep-06	4	6	14	19	21	18	22	19	23	25	23	22	24	26	19	16	15	14	9	8	6	7	10	10	15.9	25.8
26-Sep-06	7	4	6	5	4	6	5	6	7	6	6	7	9	8	9	10	8	6	3	2	2	2	3	3	5.6	9.8
27-Sep-06	3	3	3	2	2	3	3	3	3	4	6	7	6	5	7	7	6	4	3	3	6	13	17	18	5.7	18.0
28-Sep-06	9	7	7	6	4	6	11	16	16	18	27	28	27	26	24	23	20	14	16	17	14	9	6	9	14.9	28.0
29-Sep-06	13	9	12	18	21	21	22	21	25	26	27	29	24	25	29	27	18	16	10	6	7	3	4	3	17.4	28.6
30-Sep-06	4	5	4	3	4	3	2	4	7	9	12	8	11	15	16	20	17	19	19	16	20	22	16	16	11.4	21.5
1-hr Average	5.7	5.2	5.5	5.9	5.6	5.7	6.1	6.2	7.8	8.9	9.9	10.3	11.3	11.8	11.1	11.7	11.1	10.0	8.0	6.8	6.7	6.4	6.7	6.2		
Hourly Max	16.9	14.8	14.8	19.4	21.4	21.5	22.0	21.1	25.0	25.7	27.4	28.5	27.2	25.8	28.6	26.6	26.5	26.7	24.6	20.8	20.4	21.5	19.3	18.8		

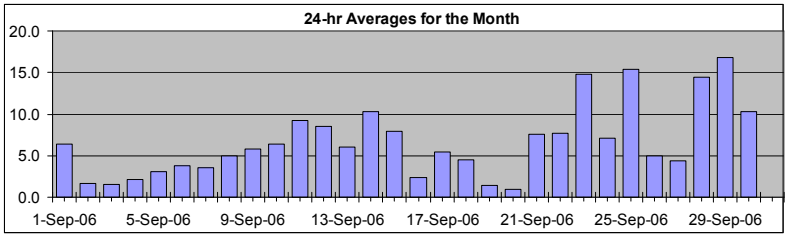
PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	28.4	km/hr	29-Sep	14:00 15:00
Maximum 24-hr Value:	16.8	km/hr	29-Sep	

Calm Time:	16 hrs	**2%** calms	Operational Time:	704 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	26.3	20.6	9.6	5.8	3.4	1.3	0.9	14.8 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Sep-06	9	6	2	3	1	2	3	2	4	13	17	17	13	15	12	13	11	9	5	2	2	2	calm	calm	6.4	17.0
2-Sep-06	1	calm	1	calm	2	1	1	1	4	4	3	1	3	3	4	5	4	3	5	2	2	1	3	calm	1.7	4.8
3-Sep-06	1	3	6	6	6	4	6	5	6	4	3	5	8	7	7	6	8	7	6	4	1	2	2	2	1.5	7.9
4-Sep-06	2	1	2	calm	2	1	5	4	5	1	2	1	3	5	3	3	3	calm	1	2	1	1	3	2	2.2	5.4
5-Sep-06	4	2	3	3	1	calm	3	3	6	6	5	4	3	1	4	7	9	10	8	4	3	1	1	1	3.0	10.1
6-Sep-06	1	2	2	3	3	4	2	5	6	7	5	4	7	9	11	10	10	9	5	4	4	1	2	calm	3.8	10.7
7-Sep-06	1	2	calm	1	calm	1	1	1	4	3	2	5	7	8	7	8	9	8	6	5	6	5	6	6	3.6	9.1
8-Sep-06	6	6	6	6	6	6	5	5	7	7	6	8	8	7	6	6	7	6	5	5	5	4	2	3	5.0	8.4
9-Sep-06	3	5	4	3	4	7	8	6	8	9	9	10	9	7	4	6	11	8	5	6	10	6	6	4	5.8	10.8
10-Sep-06	1	2	3	3	calm	1	4	3	5	7	7	10	15	11	7	10	16	15	9	6	6	5	5	1	6.4	15.6
11-Sep-06	5	3	3	5	calm	3	2	2	8	12	10	13	16	14	15	17	18	17	10	11	9	11	14	8	9.2	17.6
12-Sep-06	2	4	6	4	6	5	2	5	7	6	11	11	17	17	14	15	16	12	10	5	5	5	9	8	8.5	17.0
13-Sep-06	8	6	7	7	5	5	5	4	4	7	5	6	8	14	8	15	11	7	7	10	12	11	10	9	6.0	14.9
14-Sep-06	10	11	12	13	12	11	12	11	11	12	13	14	15	11	10	10	10	10	8	8	6	6	6	5	10.3	14.7
15-Sep-06	6	6	8	9	10	11	10	11	11	11	12	9	9	11	9	8	8	7	7	7	7	3	2	1	8.0	11.7
16-Sep-06	2	1	2	2	2	2	3	4	4	5	4	4	6	6	6	6	6	5	6	3	3	4	5	2	2.3	6.3
17-Sep-06	2	2	3	3	calm	1	1	1	2	5	8	8	9	8	8	9	8	10	6	7	7	7	6	5	5.4	9.8
18-Sep-06	4	4	5	5	4	5	4	4	4	4	6	5	3	4	5	2	3	5	6	6	5	4	5	3	4.5	5.8
19-Sep-06	5	5	3	4	3	4	5	5	5	4	3	5	5	3	3	4	3	3	3	2	1	3	5	4	1.4	5.1
20-Sep-06	3	3	2	1	1	1	2	3	3	3	2	1	3	2	4	3	5	5	2	1	2	3	4	4	0.9	5.4
21-Sep-06	5	6	6	6	7	7	7	7	8	8	12	12	13	13	12	12	11	10	11	5	5	5	5	5	7.6	12.9
22-Sep-06	7	6	6	8	6	5	5	6	8	7	9	5	9	10	11	11	10	7	8	9	9	8	6	8	7.7	11.1
23-Sep-06	10	8	1	calm	2	1	2	6	9	15	19	21	21	23	25	26	26	26	24	21	16	19	19	19	14.8	26.5
24-Sep-06	17	15	15	10	7	6	4	3	4	2	5	3	5	12	11	13	14	14	9	6	8	8	8	6	7.1	16.8
25-Sep-06	4	5	14	19	21	18	22	19	23	25	22	22	23	25	19	15	15	14	9	8	6	7	10	10	15.4	25.4
26-Sep-06	7	4	6	5	4	5	4	5	7	4	5	7	9	8	8	9	8	6	3	calm	2	2	2	2	4.9	9.1
27-Sep-06	2	2	2	2	1	2	3	1	1	3	6	7	5	5	7	6	5	3	1	3	6	13	17	18	4.3	18.0
28-Sep-06	9	7	6	5	3	6	11	16	15	18	27	28	27	25	24	22	19	13	16	17	14	8	5	9	14.5	27.6
29-Sep-06	13	9	12	18	21	21	22	21	25	25	27	28	24	25	28	26	18	16	10	6	7	2	3	3	16.8	28.4
30-Sep-06	3	5	1	1	3	2	1	4	7	9	12	8	11	15	16	20	16	18	19	16	20	21	16	16	10.3	21.4
1-hr Vector	2.8	1.9	2.1	2.6	2.4	2.3	2.5	2.7	4.0	4.8	5.7	5.4	6.2	6.7	6.0	6.5	5.7	4.6	3.5	2.5	2.7	3.3	3.5	3.1		
Hourly Max	16.8	14.8	14.6	19.3	21.2	21.3	21.8	20.9	24.7	25.5	27.1	28.2	26.6	25.4	28.4	26.3	26.3	26.5	24.4	20.6	20.3	21.4	19.2	18.7		

PASZA - Evergreen Park - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:																		720 hrs	
Calibration Time:	0 hrs						AMD Operational Uptime:																		100.0%	
Percentile	99	95	75	50	25	5	1	Average																		
	352.1	331.0	269.2	243.3	108.7	27.6	10.1	271 deg																		

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Sep-06	210	189	82	48	341	235	203	248	222	251	251	257	250	249	281	251	256	230	250	223	243	230	198	191	244	WSW
2-Sep-06	286	275	248	348	223	219	256	19	219	260	276	323	286	340	56	339	358	47	71	52	331	244	284	0	320	NW
3-Sep-06	293	259	255	259	258	229	203	211	248	241	204	129	132	119	118	119	102	87	73	49	31	22	6	20	153	SSE
4-Sep-06	297	265	218	39	190	155	197	216	269	331	254	155	107	255	283	326	270	157	284	232	178	286	204	260	240	WSW
5-Sep-06	210	227	192	204	193	34	206	220	246	251	265	243	275	323	352	319	325	302	294	298	190	193	184	44	271	W
6-Sep-06	240	9	267	221	206	220	337	273	271	271	278	263	289	292	296	332	347	343	47	59	42	262	357	240	302	WNW
7-Sep-06	323	7	203	255	197	292	36	234	211	169	40	94	96	107	96	97	88	89	75	69	71	73	78	75	90	E
8-Sep-06	77	71	78	71	70	74	81	95	112	115	130	121	121	114	112	78	81	66	64	23	47	56	313	256	88	E
9-Sep-06	265	260	249	241	279	296	277	273	257	263	278	279	318	327	310	303	264	260	246	213	227	200	192	186	266	W
10-Sep-06	180	208	189	210	350	246	211	223	236	254	276	252	257	266	289	256	269	263	267	249	267	261	208	227	254	WSW
11-Sep-06	244	214	202	184	160	208	327	203	247	248	251	269	261	270	265	269	277	274	284	265	269	250	271	266	260	W
12-Sep-06	212	206	236	253	268	238	210	244	264	285	269	253	246	263	267	255	263	266	257	251	253	239	252	252	255	WSW
13-Sep-06	248	271	256	261	270	305	288	279	302	329	336	20	334	326	324	338	29	19	15	24	27	22	23	19	341	NNW
14-Sep-06	25	26	30	37	35	30	30	29	28	28	29	30	29	27	24	25	25	28	20	10	2	1	354	360	25	NNE
15-Sep-06	358	26	35	44	43	44	49	53	47	45	44	40	50	57	57	59	55	60	61	66	76	60	342	2	47	NE
16-Sep-06	270	249	320	335	354	24	38	47	49	50	49	10	34	25	29	41	39	69	83	145	178	180	189	110	49	NE
17-Sep-06	65	90	79	67	135	219	171	59	82	145	136	121	144	136	129	115	102	109	105	93	90	99	97	74	113	ESE
18-Sep-06	73	69	80	76	85	76	83	84	77	71	69	59	32	59	84	105	80	49	30	35	40	25	31	351	62	ENE
19-Sep-06	28	41	336	22	344	330	339	339	317	325	294	292	281	272	250	240	231	140	162	166	164	182	167	176	294	WNW
20-Sep-06	132	57	93	324	30	333	45	68	32	53	36	11	236	315	260	277	324	348	337	106	173	210	222	230	340	NNW
21-Sep-06	265	260	272	273	276	274	271	264	265	306	324	319	322	326	323	324	326	320	324	286	273	259	291	269	300	WNW
22-Sep-06	262	266	268	262	263	255	250	258	256	255	257	233	226	236	239	241	236	235	251	237	227	230	230	230	244	WSW
23-Sep-06	225	227	97	295	187	193	227	246	250	263	271	277	277	269	260	257	259	254	255	248	238	245	247	250	255	WSW
24-Sep-06	249	249	256	266	276	332	350	60	67	123	199	307	262	259	266	262	270	260	264	238	237	228	206	194	256	WSW
25-Sep-06	199	223	242	252	253	246	256	258	257	258	261	278	271	268	275	289	287	283	293	264	268	282	260	259	264	W
26-Sep-06	267	309	318	272	283	303	313	329	340	332	316	297	283	297	329	314	303	309	323	306	244	223	343	92	307	NW
27-Sep-06	12	75	356	337	261	317	215	213	57	210	209	210	209	239	245	239	217	253	250	197	233	260	252	253	242	WSW
28-Sep-06	262	276	288	276	196	229	254	261	254	247	265	270	272	264	264	271	277	291	265	265	269	280	287	302	267	W
29-Sep-06	284	285	284	263	250	251	250	256	264	266	265	266	267	266	258	254	252	257	252	222	207	201	206	210	259	W
30-Sep-06	208	199	233	291	296	29	13	187	213	210	216	217	230	233	235	240	252	266	251	242	247	249	257	251	242	WSW
Hourly Avg	257	265	271	279	266	279	272	265	265	266	269	275	271	276	277	279	284	283	284	261	248	251	253	256		

PASZA - Evergreen Park - Standard Deviation of Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms			Operational Time:			720 hrs		
Calibration Time:	0 hrs				AMD Operational Uptime:			100.0%		
Percentile	99	95	75	50	25	5	1			
	67.2	51.4	30.5	16.5	11.0	6.0	4.7			

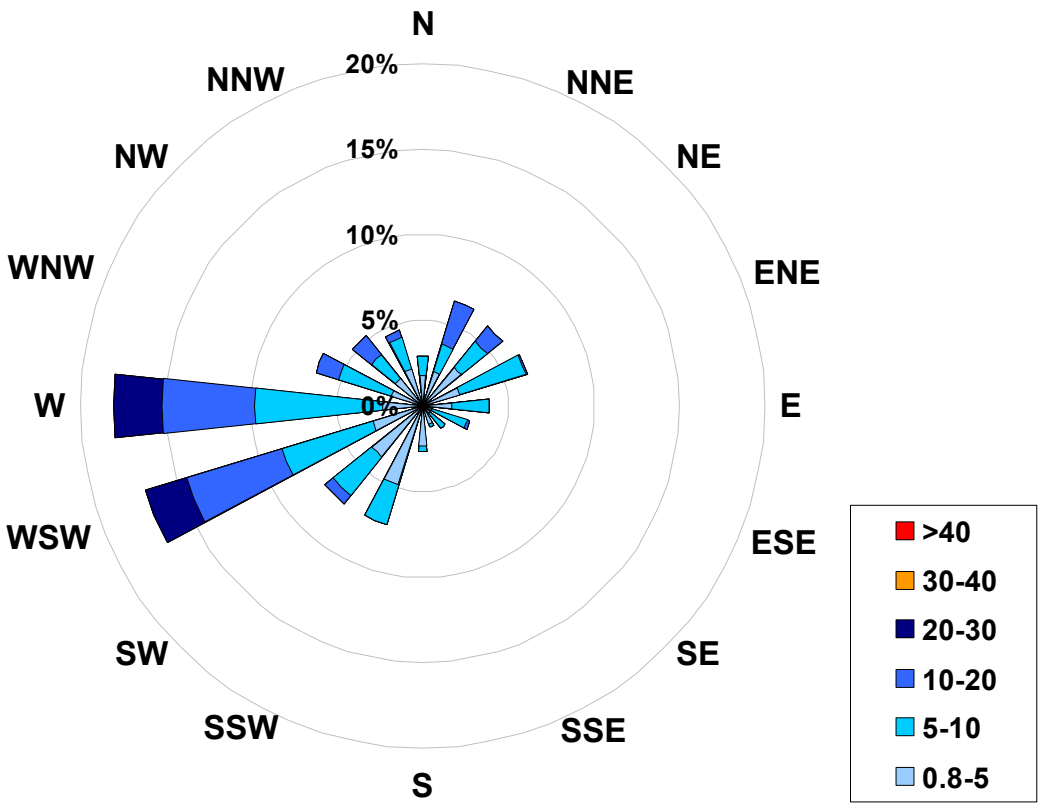
Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	8	7	35	29	39	46	40	39	47	11	10	11	17	15	18	15	17	15	17	41	22	50	59	57	58.9
2-Sep-06	36	42	35	34	19	48	33	43	29	26	38	41	46	53	51	48	42	33	15	20	39	52	35	52	53.3
3-Sep-06	58	19	8	10	9	12	6	10	14	33	54	44	31	36	34	36	22	18	16	7	17	27	18	29	58.3
4-Sep-06	18	12	20	43	46	31	32	33	25	60	44	83	57	40	59	44	40	51	47	38	84	46	32	28	83.7
5-Sep-06	26	48	41	44	67	42	43	20	12	23	27	48	50	73	52	31	21	17	13	40	19	38	59	58	73.4
6-Sep-06	39	23	43	19	65	12	24	20	27	22	35	52	32	27	27	21	23	20	15	21	16	35	39	40	65.5
7-Sep-06	23	28	58	33	67	27	36	27	26	51	64	48	29	25	30	32	19	16	12	7	7	9	7	7	67.2
8-Sep-06	6	7	9	6	6	12	22	20	21	22	31	25	21	31	29	27	24	19	14	10	5	17	49	46	49.4
9-Sep-06	45	17	15	23	14	15	13	15	9	14	17	20	24	30	49	36	13	14	12	8	7	15	10	16	49.3
10-Sep-06	42	41	19	33	48	30	14	14	16	18	27	20	13	18	19	22	11	11	17	9	11	17	9	55	55.4
11-Sep-06	14	21	35	27	68	30	41	38	13	9	23	20	15	20	15	13	11	11	14	9	10	6	8	9	68.0
12-Sep-06	41	11	9	9	10	8	39	18	16	27	15	18	13	13	15	12	10	10	13	10	11	7	5	5	40.5
13-Sep-06	5	12	9	7	14	26	15	29	22	20	39	49	31	21	35	15	14	17	17	15	12	11	15	14	49.0
14-Sep-06	14	16	12	11	12	11	11	12	13	13	12	12	10	13	16	15	13	13	15	14	16	16	15	16	16.1
15-Sep-06	14	13	14	12	12	11	13	13	14	11	11	17	14	16	19	16	16	19	15	18	19	27	16	39	39.2
16-Sep-06	22	48	17	20	35	21	22	15	19	21	27	33	22	20	19	18	20	16	15	19	23	23	15	28	48.4
17-Sep-06	16	51	30	12	46	42	37	4	37	24	24	29	26	30	28	27	26	15	12	8	12	11	13	17	51.4
18-Sep-06	15	10	17	13	31	13	16	23	31	43	27	27	39	44	39	43	50	21	17	9	9	15	15	22	49.6
19-Sep-06	16	13	16	13	17	10	15	14	15	20	49	17	23	56	47	38	50	34	20	34	50	24	21	24	56.1
20-Sep-06	38	32	51	58	46	36	42	40	31	36	38	63	46	57	34	26	11	16	26	27	23	11	9	9	63.4
21-Sep-06	13	10	14	12	12	12	11	27	9	14	11	11	9	10	12	11	9	11	11	11	14	7	13	13	27.2
22-Sep-06	10	12	14	7	13	15	8	11	11	14	13	30	16	23	14	13	9	19	9	8	6	7	8	7	30.1
23-Sep-06	4	5	68	78	60	50	45	10	7	10	12	12	13	11	8	7	7	7	6	5	6	5	5	5	77.7
24-Sep-06	4	4	6	11	13	26	24	37	25	46	36	57	47	17	16	17	15	8	9	6	6	6	5	5	57.1
25-Sep-06	25	12	8	6	5	6	6	7	6	7	8	11	12	10	12	15	13	11	13	11	12	10	7	6	24.7
26-Sep-06	10	17	8	9	16	9	28	18	20	24	28	16	17	16	24	20	14	12	29	39	17	18	41	43	42.7
27-Sep-06	55	38	21	16	43	22	32	69	53	40	18	15	22	29	16	20	17	23	37	38	16	11	5	5	68.6
28-Sep-06	8	14	20	20	26	11	5	7	7	9	8	9	10	9	10	12	14	14	9	8	11	12	15	14	25.8
29-Sep-06	10	12	12	9	6	6	5	6	8	7	8	8	8	10	7	8	7	7	7	6	8	43	27	47	47.0
30-Sep-06	44	16	64	47	38	47	42	18	9	6	4	6	7	7	9	9	13	8	10	6	5	6	6	5	64.0
Hourly Max	58	51	68	78	68	50	45	69	53	60	64	83	57	73	59	48	50	51	47	41	84	52	59	58	

1-hr Average Wind Rose (in km/hr) Located at the Evergreen Park Site for September 2006



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	256
5	to	10	288
10	to	20	138
20	to	30	38
30	to	40	0
	>	40	0
Total Non-Zero Values			720

PASZA – Smoky Heights Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Smoky Heights - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

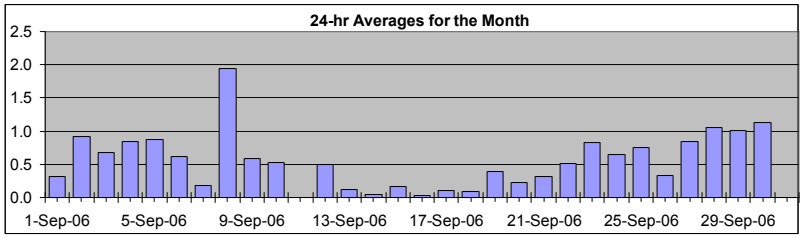
Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 172 ppb | 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	4.7	ppb	27-Sep	23:00 0:00
Maximum 24-hr Average:	1.9	ppb	8-Sep	



AIC Time:	40 hrs	Operational Time:	672 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.3%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.4	2.1	0.8	0.3	0.0	0.0	0.0	0.6 ppb	0.3 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	A	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3	0.8
2-Sep-06	1	1	1	A	1	0	0	0	1	1	2	2	2	1	1	1	1	0	0	2	1	1	1	0	0.9	1.8
3-Sep-06	1	4	A	1	1	1	0	0	0	0	1	1	1	1	1	0	1	0	0	1	1	0	0	0	0.7	3.8
4-Sep-06	0	A	0	0	0	0	0	0	0	0	3	3	1	1	2	1	0	1	1	1	1	1	0	1	0.9	3.5
5-Sep-06	A	1	1	1	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	0	1	0	A	0.9	2.4
6-Sep-06	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	A	0	0.6	1.4
7-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.5
8-Sep-06	2	3	4	3	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	3	A	2	1	2	1.9	3.7
9-Sep-06	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	A	2	1	0	0	0.6	2.8
10-Sep-06	2	3	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	A	1	1	0	0	1	0.5	2.6
11-Sep-06	1	0	0	0	0	0	0	0	0	P	P	P	P	P	0	0	0	A	A	0	0	0	0	0	N	1.2
12-Sep-06	1	2	1	0	0	0	0	0	3	2	0	1	0	0	0	0	A	A	0	1	0	0	0	0	0.5	2.6
13-Sep-06	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0.1	1.5
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0.0	0.2
15-Sep-06	0	0	0	0	0	0	0	1	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	1	0.2	0.6
16-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0.0	0.3
17-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
18-Sep-06	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
19-Sep-06	0	0	0	0	0	0	0	0	0	C	C	C	A	1	1	1	1	1	1	1	1	0	0	0	0.4	1.2
20-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0.2	1.0
21-Sep-06	0	0	0	0	A	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	0.7
22-Sep-06	0	1	0	A	0	0	0	1	3	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0.5	3.2
23-Sep-06	0	0	A	0	1	1	1	3	1	3	2	1	0	0	0	1	1	1	0	0	0	0	1	2	0.8	3.0
24-Sep-06	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	3	2	2	0	0	0	0.6	2.8
25-Sep-06	A	0	0	0	0	0	1	1	0	1	1	0	1	0	0	1	1	1	1	1	2	2	1	A	0.8	2.1
26-Sep-06	0	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	0	1	1	1	A	1	0.3	1.6
27-Sep-06	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	1	0	1	A	1	5	0.8	4.7
28-Sep-06	3	1	2	1	0	1	0	1	0	3	5	0	0	0	0	0	0	0	0	1	A	3	1	1	1.1	4.6
29-Sep-06	1	1	1	1	1	1	1	1	3	2	1	0	1	1	1	1	1	0	1	A	1	1	0	0	1.0	3.4
30-Sep-06	1	1	2	1	3	1	1	1	1	0	1	1	1	1	0	1	1	0	A	1	2	4	2	1	1.1	4.5
Hourly Avg	0.7	0.8	0.6	0.4	0.5	0.4	0.3	0.4	0.6	0.7	0.9	0.7	0.6	0.5	0.5	0.5	0.4	0.5	0.7	0.6	0.6	0.7	0.4	0.6		
Hourly Max	3.0	3.8	3.7	2.8	3.1	1.8	1.3	3.0	3.4	2.6	4.6	3.5	2.1	2.1	2.4	2.2	1.6	2.0	2.8	2.6	2.3	4.5	1.6	4.7		

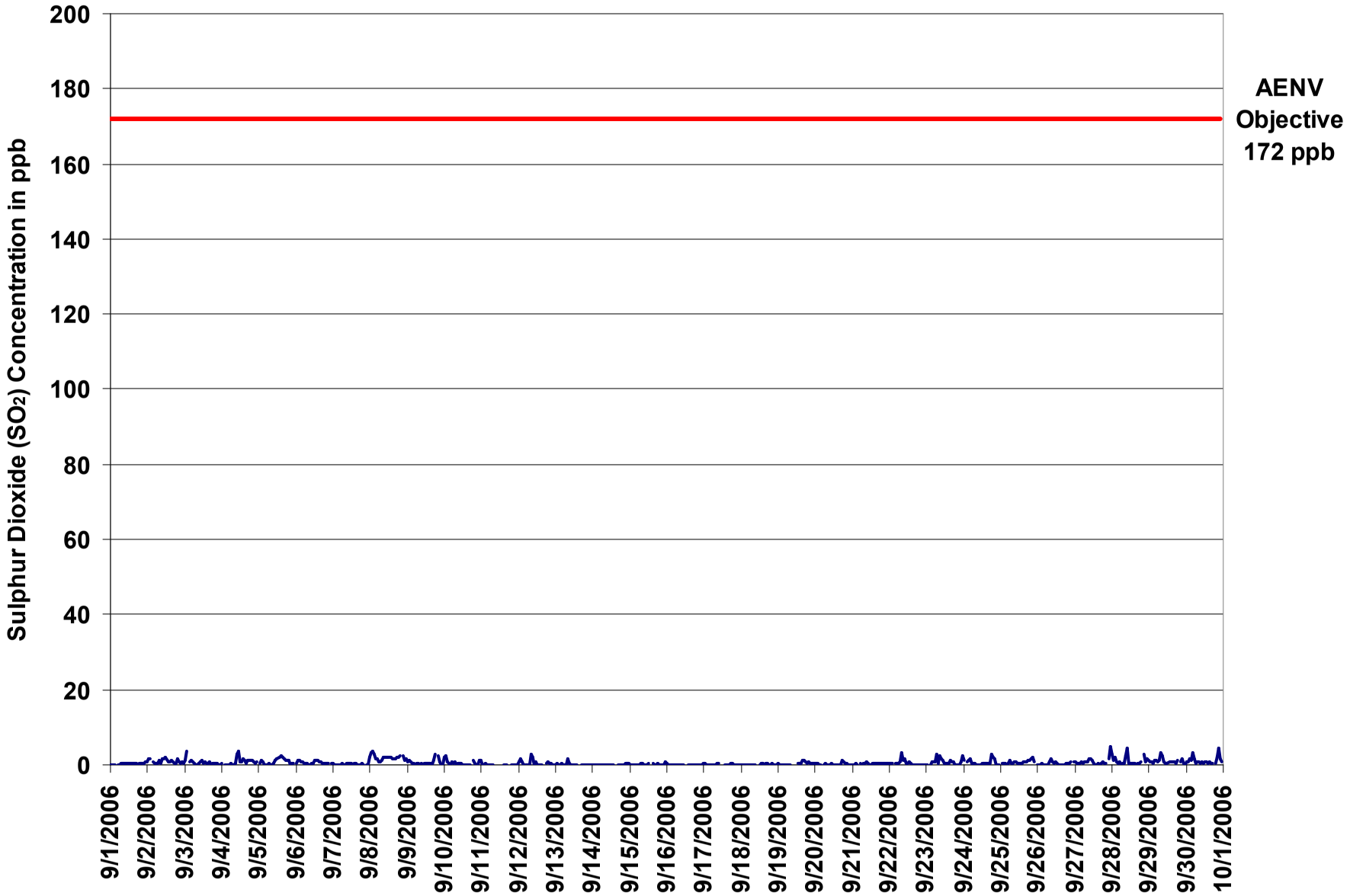


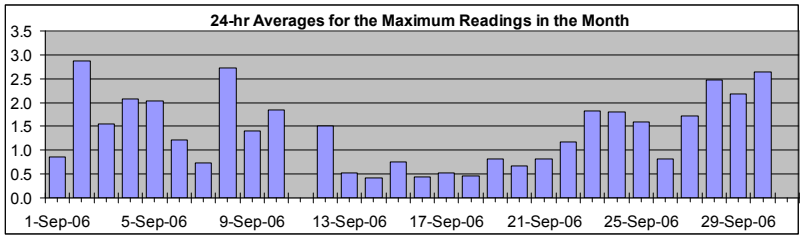
Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	28.8	ppb	2-Sep	19:00 20:00
Maximum 24-hr Value:	2.9	ppb	2-Sep	

AIC Time:	40 hrs	Operational Time:	672 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.3%

Percentile	99	95	75	50	25	5	1	Average	Median
	8.0	3.8	1.6	0.9	0.6	0.1	0.0	1.4 ppb	0.9 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	1	0	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
2-Sep-06	3	3	2	A	1	1	1	1	2	2	3	2	2	2	1	2	1	1	1	29	2	1	1	1	2.9	28.8
3-Sep-06	4	7	A	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.6	6.8
4-Sep-06	1	A	1	0	1	1	1	1	1	1	7	5	2	2	3	2	2	3	3	3	3	2	2	2	2.1	6.5
5-Sep-06	A	2	2	1	1	1	0	2	1	1	2	3	3	4	4	4	3	3	3	3	1	1	1	A	2.0	4.1
6-Sep-06	1	2	2	2	1	1	1	1	1	0	1	1	2	2	2	2	1	1	1	1	1	1	A	1	1.2	2.1
7-Sep-06	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0	1	0.7	1.0
8-Sep-06	3	4	5	3	2	3	2	1	2	2	3	3	3	3	2	3	2	3	3	3	A	4	2	2	2.7	4.6
9-Sep-06	2	2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	0	2	4	A	3	3	1	1	1.4	3.8
10-Sep-06	7	5	3	1	1	2	1	3	1	1	2	2	0	1	1	1	0	1	A	3	2	0	1	4	1.9	7.5
11-Sep-06	4	0	0	1	1	0	1	1	1	P	P	P	P	P	0	0	0	A	A	0	1	1	0	0	N	4.1
12-Sep-06	3	3	2	0	0	0	0	1	8	3	1	2	1	1	0	0	A	A	2	1	1	1	1	1	1.5	8.0
13-Sep-06	0	1	0	1	1	0	0	0	2	2	1	0	0	0	1	A	A	1	0	0	1	0	1	0	0.5	2.2
14-Sep-06	1	0	0	0	0	0	0	0	0	0	1	0	0	0	A	A	0	1	1	1	1	1	1	1	0.4	0.8
15-Sep-06	0	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	0	1	1	1	0	0	1	1	0.7	1.1
16-Sep-06	1	1	1	0	1	1	0	0	0	0	0	0	A	A	1	0	0	1	0	0	1	0	0	1	0.4	1.2
17-Sep-06	1	1	0	0	0	0	0	0	0	1	1	A	A	1	0	0	1	1	1	1	1	1	0	1	0.5	1.0
18-Sep-06	0	0	0	0	0	0	0	0	1	0	A	A	0	1	1	1	1	1	0	1	1	0	0	1	0.5	1.2
19-Sep-06	1	0	1	1	0	0	0	1	0	C	C	C	A	1	1	1	2	2	1	1	1	1	1	1	0.8	1.9
20-Sep-06	1	1	1	0	0	A	1	1	0	0	1	1	1	0	1	0	1	2	1	1	1	1	1	0	0.7	2.1
21-Sep-06	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.5
22-Sep-06	1	1	1	A	1	1	1	4	6	2	4	1	1	1	1	1	0	0	1	0	0	0	0	0	1.2	5.5
23-Sep-06	1	0	A	0	2	2	2	9	1	4	3	2	1	1	1	2	2	2	1	0	1	1	3	4	1.8	8.6
24-Sep-06	3	A	1	2	2	1	1	1	1	0	0	0	1	1	1	1	1	1	8	5	7	0	0	1	1.8	8.5
25-Sep-06	A	1	1	1	0	2	4	1	1	1	1	1	1	1	1	1	2	1	2	2	3	3	2	A	1.6	4.3
26-Sep-06	1	0	0	1	0	0	0	0	2	2	1	1	1	1	0	0	0	0	1	1	1	1	A	1	0.8	2.4
27-Sep-06	1	1	1	1	1	1	1	1	1	2	2	2	1	1	0	1	1	1	1	1	1	A	4	12	1.7	11.7
28-Sep-06	6	2	2	2	2	1	1	1	1	6	13	1	1	1	1	1	0	1	1	2	A	7	2	2	2.5	13.3
29-Sep-06	2	1	1	1	2	2	2	4	8	5	2	1	1	1	2	3	3	1	3	A	1	3	1	1	2.2	7.7
30-Sep-06	2	2	4	2	8	4	1	1	1	1	1	1	1	2	1	1	1	1	A	1	8	9	4	3	2.6	9.5
Hourly Avg	1.8	1.6	1.3	1.0	1.2	1.0	0.9	1.3	1.6	1.6	2.0	1.3	1.1	1.2	1.1	1.2	1.1	1.2	1.6	2.3	1.6	1.6	1.1	1.6		
Hourly Max	7.5	6.8	4.6	3.2	8.1	3.8	4.3	8.6	8.0	6.3	13.3	5.4	3.1	4.1	4.0	3.8	3.4	3.1	8.5	28.8	7.8	9.5	3.7	11.7		

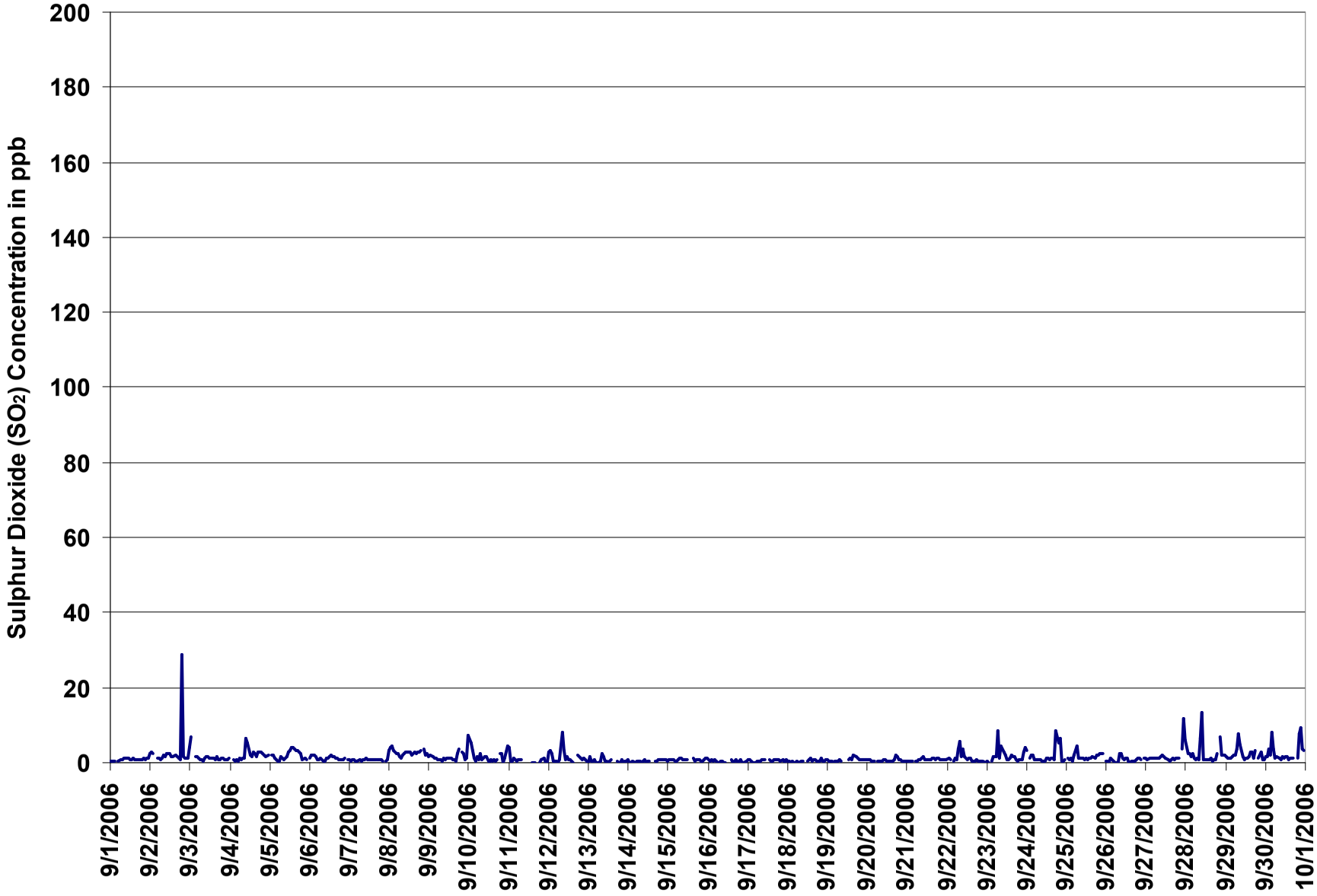
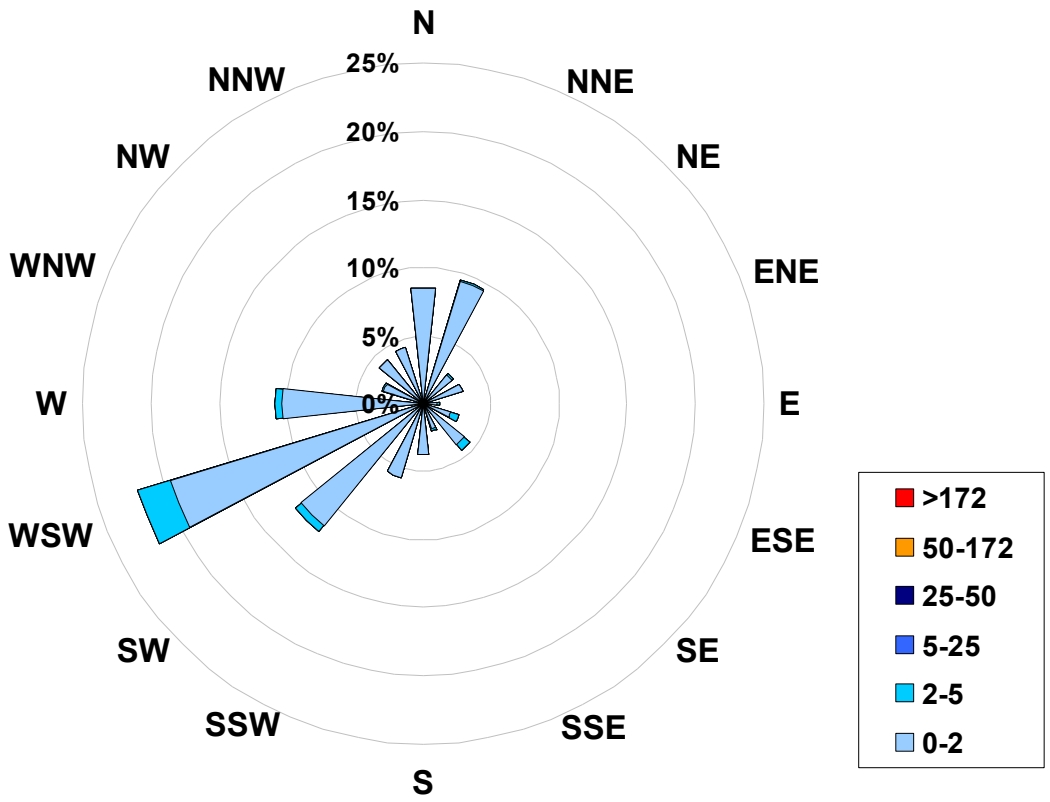


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Smoky Heights Site for September 2006



Calms: 0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	636
2	to	5	36
5	to	25	0
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			672

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

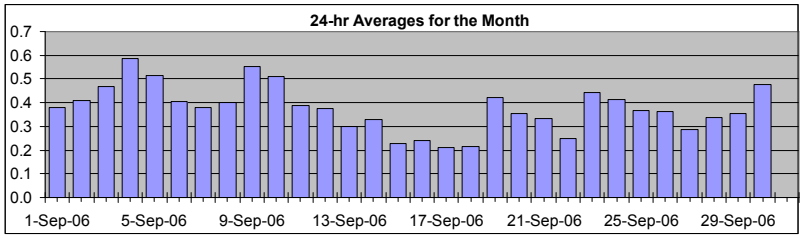
Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	0.8	ppb	14-Sep	19:00 20:00
Maximum 24-hr Value:	0.6	ppb	4-Sep	



AIC Time:	40 hrs	Operational Time:	675 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.6	0.4	0.4	0.3	0.2	0.1	0.4 ppb	0.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
2-Sep-06	0	1	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
3-Sep-06	1	0	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.7
4-Sep-06	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7
5-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	A	0.5	0.8
6-Sep-06	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	A	0	0.4	0.5
7-Sep-06	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.4	0.6
8-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	A	0	0	0	0.4	0.5
9-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	A	0	1	0	0	0.6	0.7
10-Sep-06	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	A	0	1	1	1	1	0.5	0.8
11-Sep-06	1	0	0	0	0	0	1	1	0	P	P	1	0	0	0	0	0	A	A	0	0	0	0	0	0.4	0.7
12-Sep-06	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	1	0.4	0.7
13-Sep-06	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0.3	0.6
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	1	1	1	1	0	0	0.3	0.8
15-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0.2	0.3
16-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0.2	0.3
17-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
18-Sep-06	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
19-Sep-06	0	0	0	0	0	1	1	1	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
20-Sep-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
21-Sep-06	0	0	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
22-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
23-Sep-06	0	0	A	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
24-Sep-06	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
25-Sep-06	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.5
26-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.4	0.5
27-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.3	0.5
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.3	0.5
29-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.4	0.5
30-Sep-06	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	1	1	1	0	0.5	0.6
Hourly Avg	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4		
Hourly Max	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6		

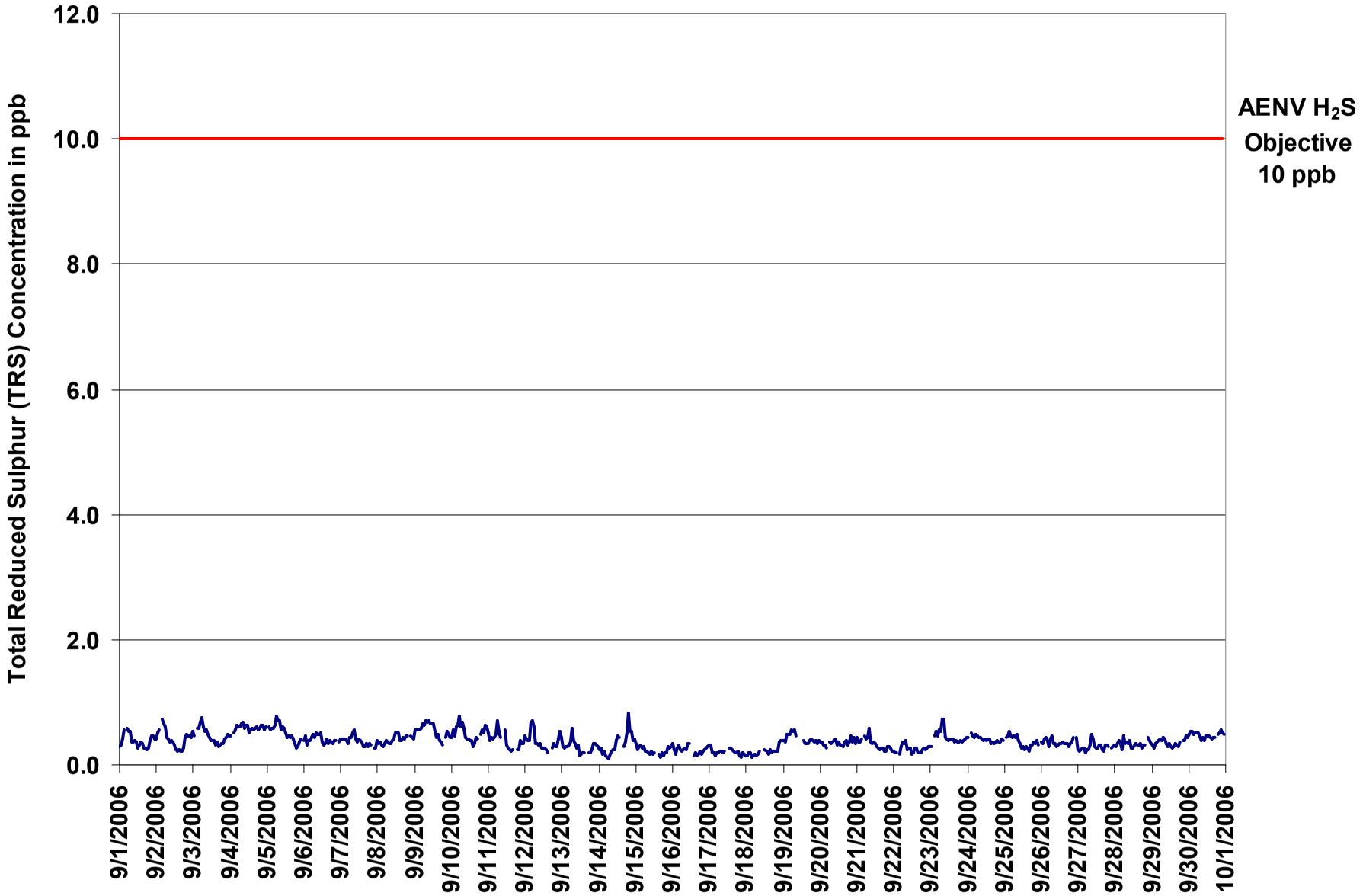


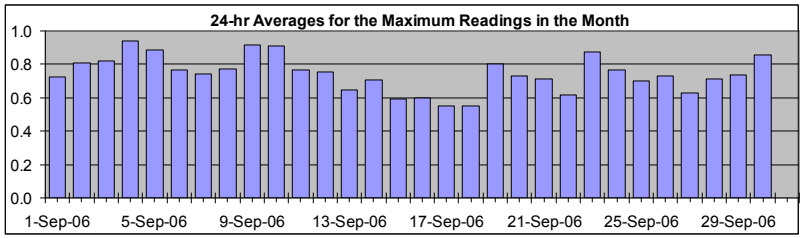
Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	1.8	ppb	2-Sep	19:00 20:00
Maximum 24-hr Value:	0.9	ppb	4-Sep	

AIC Time:	40 hrs	Operational Time:	675 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	1.0	0.8	0.7	0.6	0.5	0.4	0.7 ppb	0.7 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0.7	1.0
2-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1	1	1	1	0.8	1.8
3-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
4-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
5-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.1
6-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.8	0.9
7-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.7	0.9
8-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.8	1.0
9-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.9	1.2
10-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.9	1.2
11-Sep-06	1	1	1	1	1	1	1	1	1	P	P	1	1	1	1	1	1	A	A	1	1	1	1	1	0.8	1.2
12-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	0.8	1.1
13-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	A	1	1	1	1	1	1	1	0.6	1.1
14-Sep-06	1	1	1	1	0	1	0	0	0	1	1	1	1	1	A	A	1	1	1	2	1	1	1	1	0.7	1.8
15-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	0	A	A	1	0	1	0	1	1	1	1	1	0.6	0.8
16-Sep-06	1	1	0	1	1	1	1	1	1	1	1	1	A	A	0	1	1	1	1	0	1	1	1	1	0.6	0.8
17-Sep-06	1	1	0	0	1	0	1	1	1	0	1	A	A	1	1	1	1	1	1	0	0	0	1	1	0.6	0.7
18-Sep-06	1	0	1	1	0	0	0	1	1	1	A	A	1	0	1	1	1	1	0	1	0	1	1	1	0.5	0.9
19-Sep-06	1	1	1	1	1	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
20-Sep-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
21-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.7	1.0
22-Sep-06	1	1	1	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
23-Sep-06	1	1	A	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5
24-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
25-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	A	0.7	0.9
26-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.7	1.1
27-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.6	0.8
28-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.7	0.9
29-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.7	0.9
30-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.9	1.3
Hourly Avg	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.7	0.8		
Hourly Max	1.1	1.1	1.0	1.0	1.2	1.2	1.1	1.1	1.2	1.5	1.1	1.2	1.2	1.0	1.0	0.9	0.9	1.0	1.0	1.8	1.2	1.3	1.2	1.1		

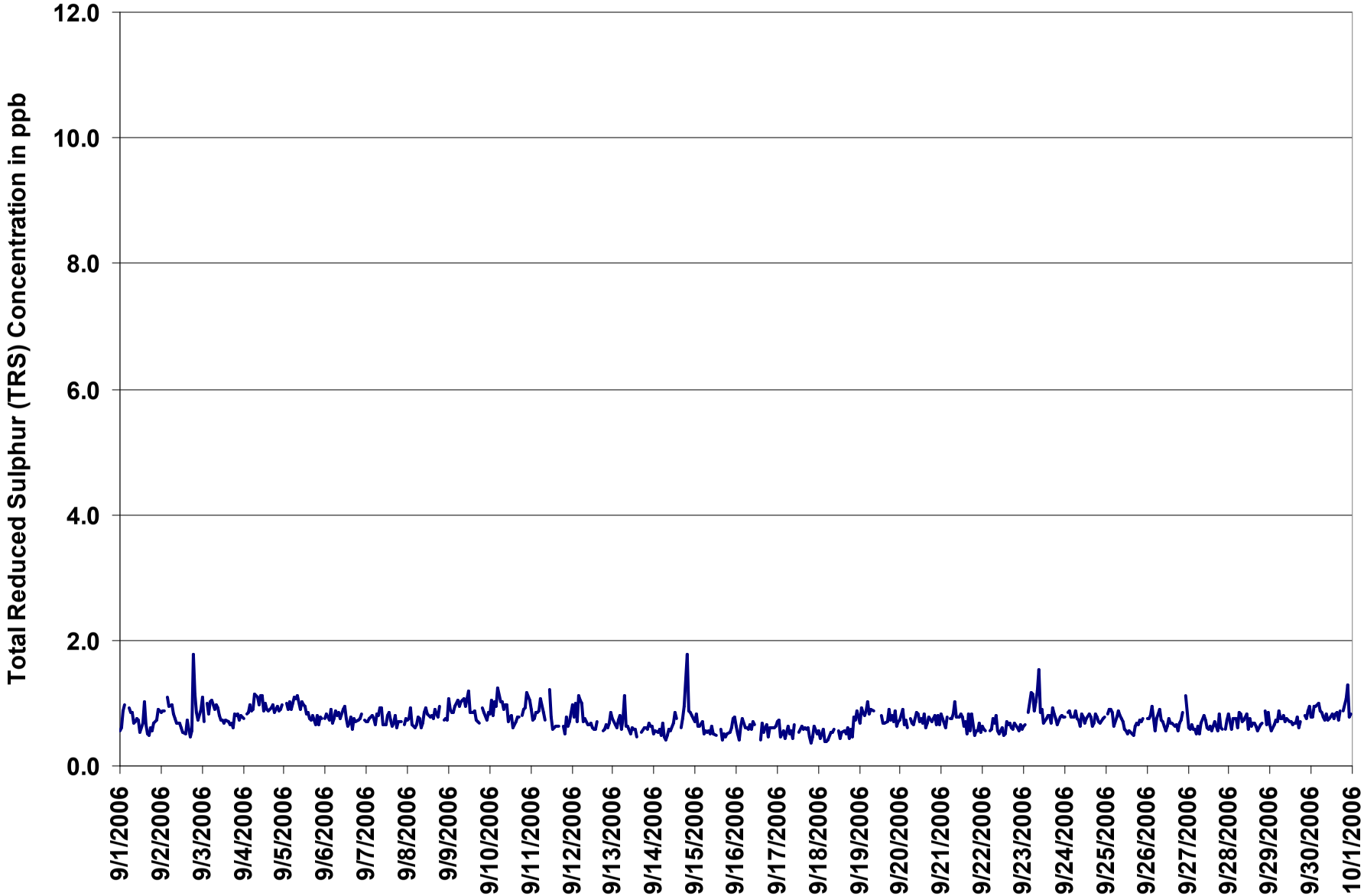
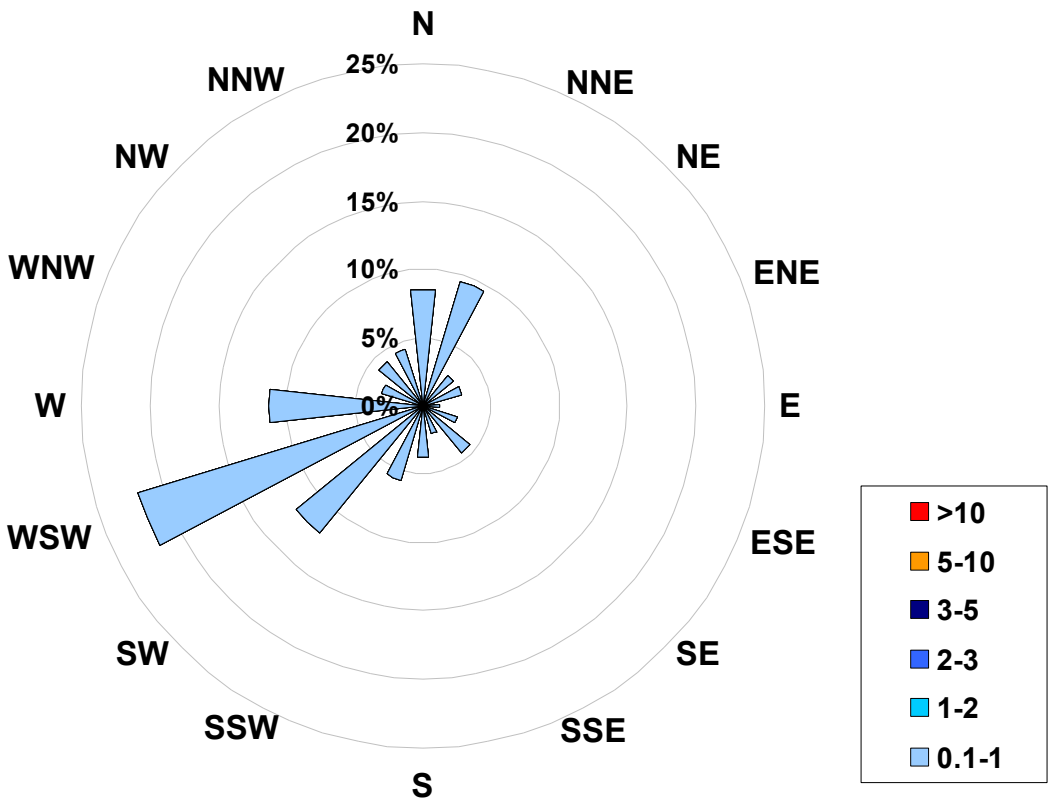


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Smoky Heights Site for September 2006



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	675
1	to	2	0
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			675

PASZA - Smoky Heights - Particulate Matter (less than 2.5 microns) Monthly Summary

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

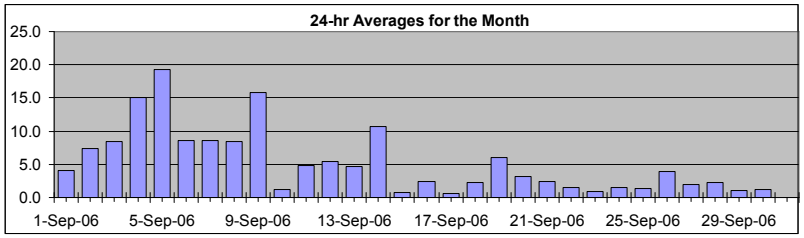
Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Draft Objective Limit: **Alberta Environment:** 1-hr - $\mu g/m^3$ | 24-hr 30 $\mu g/m^3$

Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	94.7	$\mu g/m^3$	14-Sep	19:00 20:00
Maximum 24-hr Value:	19.3	$\mu g/m^3$	5-Sep	



AIC Time:	0 hrs	Operational Time:	707 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	98.5%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	44.1	19.4	6.0	2.4	0.8	0.0	0.0	5.2 / 2 $\mu g/m^3$	3.4 $\mu g/m^3$

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	2	2	2	2	1	6	5	5	1	2	0	0	2	4	1	0	0	2	5	27	15	5	9	4.1	26.9
2-Sep-06	4	3	4	4	7	6	8	6	5	4	2	2	0	3	0	2	3	3	24	44	16	9	15	4	7.4	44.0
3-Sep-06	4	3	4	4	6	8	8	13	9	9	8	8	10	8	4	5	4	6	8	10	18	15	13	14	8.4	18.1
4-Sep-06	12	13	10	11	12	11	16	20	20	12	14	15	20	16	19	20	21	15	16	21	14	12	11	11	15.1	21.4
5-Sep-06	13	13	6	12	11	16	20	20	20	19	20	17	16	17	16	24	18	19	27	14	76	21	23	5	19.3	76.5
6-Sep-06	4	3	5	2	6	5	19	49	7	9	7	2	D	0	6	3	4	9	10	12	23	6	5	4	8.7	48.7
7-Sep-06	7	4	5	4	7	8	28	70	11	8	5	4	5	7	3	0	2	2	3	7	6	2	3	5	8.5	69.7
8-Sep-06	6	5	6	6	6	5	6	9	6	5	7	9	9	10	10	11	13	14	13	10	10	9	9	9	8.5	13.6
9-Sep-06	9	11	6	9	28	10	11	15	13	17	15	12	4	D	0	2	5	15	19	45	55	21	26	14	15.8	55.4
10-Sep-06	2	10	2	2	1	0	1	0	3	0	0	0	0	1	3	1	0	0	1	0	0	0	0	1	1.2	10.0
11-Sep-06	0	2	0	1	3	0	14	12	2	P	P	8	4	2	2	3	11	0	2	6	5	18	6	2	4.8	18.3
12-Sep-06	0	2	0	2	0	0	1	5	4	2	1	D	2	1	0	1	8	5	5	10	44	15	10	5	5.4	44.2
13-Sep-06	6	5	4	3	3	5	26	26	6	4	2	1	0	3	3	0	3	1	4	5	1	0	0	0	4.7	26.0
14-Sep-06	1	0	0	0	0	0	0	0	0	0	1	35	13	1	1	0	4	15	50	95	12	9	7	15	10.7	94.7
15-Sep-06	2	D	D	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	10	0.7	9.6
16-Sep-06	9	0	8	9	6	1	0	4	1	0	2	12	5	0	0	0	0	0	0	0	0	0	0	0	2.4	11.9
17-Sep-06	0	0	0	0	D	0	0	8	D	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0.5	7.7
18-Sep-06	0	0	1	0	0	2	2	0	2	1	1	1	3	4	3	3	2	3	3	3	4	5	3	5	2.2	5.3
19-Sep-06	4	5	5	6	6	6	7	6	6	9	11	C	C	2	4	5	6	6	6	7	6	7	6	6	6.1	11.2
20-Sep-06	6	6	4	4	2	3	3	4	4	4	4	3	4	3	2	1	1	5	3	2	2	1	1	2	3.1	6.0
21-Sep-06	2	1	1	2	2	2	2	2	3	3	3	3	4	3	3	2	2	2	2	3	3	3	3	3	2.5	3.6
22-Sep-06	2	2	3	2	2	2	3	2	3	2	2	2	1	1	0	1	1	1	1	0	1	1	0	0	1.5	2.7
23-Sep-06	0	0	0	0	1	1	1	2	2	2	1	1	0	0	0	2	1	1	0	1	1	1	1	2	0.8	2.3
24-Sep-06	2	2	2	2	2	2	1	1	0	1	0	1	2	2	3	2	0	1	2	1	1	2	1	0	1.4	2.7
25-Sep-06	1	2	1	2	1	1	1	1	0	0	0	0	0	0	0	2	2	6	4	4	1	2	2	3	1.4	5.6
26-Sep-06	5	1	2	3	3	5	3	4	2	2	0	2	0	1	1	2	1	0	1	3	3	14	8	30	4.0	30.0
27-Sep-06	D	0	0	0	0	0	1	1	1	2	3	3	3	2	3	3	4	4	3	2	3	4	2	2	2.0	3.9
28-Sep-06	3	3	2	0	1	2	2	6	2	3	1	0	4	1	1	2	2	4	2	2	3	3	3	3	2.3	5.6
29-Sep-06	3	1	2	1	1	2	2	1	1	2	1	2	1	1	1	1	1	0	0	0	0	1	0	1	1.1	2.7
30-Sep-06	1	2	1	2	3	4	3	3	4	3	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1.3	4.0
Hourly Avg	3.7	3.5	3.0	3.3	4.2	3.7	6.6	9.8	4.8	4.3	4.0	5.1	3.9	3.2	3.0	3.4	4.0	4.7	7.0	10.4	11.3	6.6	5.6	5.4		
Hourly Max	12.7	12.9	9.6	11.8	28.4	16.2	28.4	69.7	20.0	19.1	19.9	34.7	20.2	17.1	18.8	23.5	21.4	19.5	49.6	94.7	76.5	21.4	26.3	30.0		

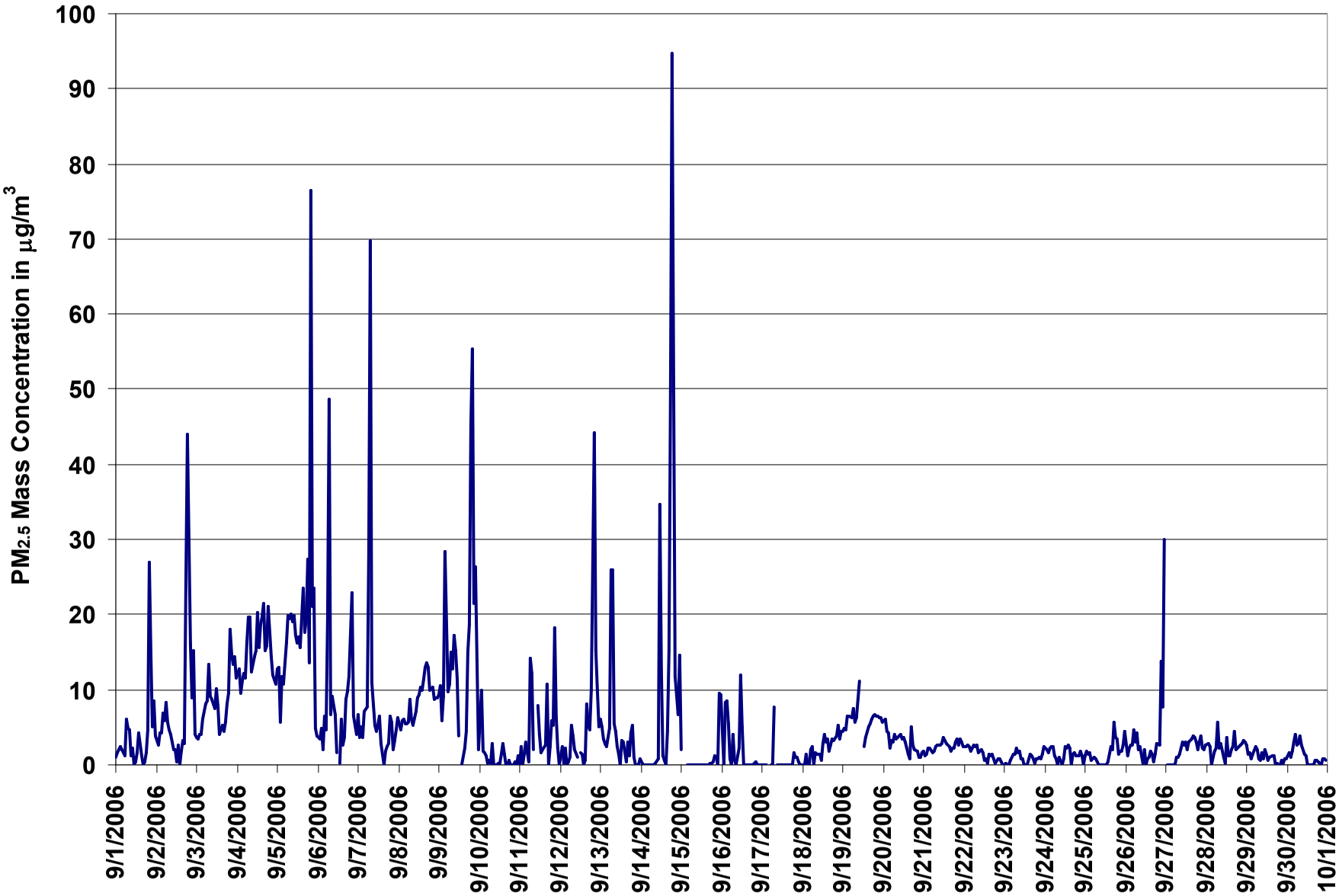


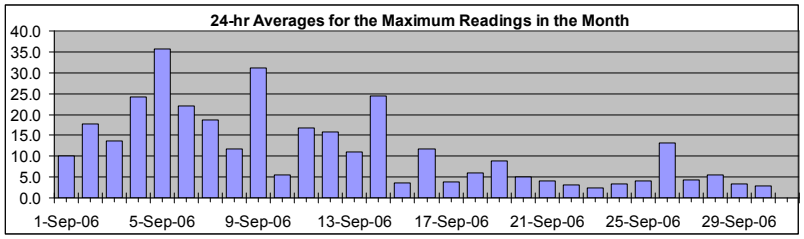
Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	169.3	µg/m³	14-Sep	19:00 20:00
Maximum 24-hr Value:	35.8	µg/m³	5-Sep	

AIC Time:	0 hrs	Operational Time:	707 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	98.5%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	104.0	39.0	12.1	5.5	3.2	1.4	0.2	11.4 / 5 µg/m˘	8.4 µg/m˘

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	2	3	4	4	4	4	17	7	8	5	4	2	3	15	21	8	6	3	6	14	45	30	9	16	10.1	44.8
2-Sep-06	6	6	9	6	11	13	16	13	7	7	8	8	5	13	5	4	7	9	80	73	37	20	59	6	17.8	80.0
3-Sep-06	8	5	7	9	11	15	19	20	11	11	13	14	15	12	9	11	16	11	17	13	27	19	17	18	13.6	27.0
4-Sep-06	13	16	14	17	20	14	34	52	44	16	20	21	29	20	32	28	37	22	23	45	20	17	15	13	24.2	52.0
5-Sep-06	15	16	22	21	23	24	32	29	25	23	25	21	22	23	23	40	23	34	54	89	104	67	93	12	35.8	104.2
6-Sep-06	7	5	28	19	14	9	46	119	14	14	10	8	D	9	13	15	24	13	24	23	60	13	10	8	21.9	119.3
7-Sep-06	12	9	8	6	14	11	106	130	28	12	9	10	11	11	9	5	4	5	6	13	9	4	5	7	18.6	130.1
8-Sep-06	8	7	7	8	8	9	11	11	11	8	10	12	14	15	16	17	17	17	18	13	12	11	10	11	11.6	18.3
9-Sep-06	16	14	14	31	85	20	18	20	17	25	21	16	14	D	3	6	11	47	32	83	135	28	35	23	31.1	134.9
10-Sep-06	7	14	6	4	8	4	3	5	9	6	9	4	5	5	7	10	4	2	5	2	3	2	2	4	5.4	13.9
11-Sep-06	3	9	4	5	14	8	55	32	5	P	P	27	10	10	12	6	27	4	9	22	16	71	13	4	16.7	71.0
12-Sep-06	2	5	2	5	3	2	7	11	8	6	5	D	7	8	3	19	21	13	16	57	111	31	15	8	15.8	110.9
13-Sep-06	8	7	5	6	7	11	68	42	26	6	5	6	3	7	9	5	10	4	8	9	7	1	2	3	11.0	67.7
14-Sep-06	3	1	1	1	1	3	2	4	3	5	4	59	43	4	5	3	27	36	104	169	30	26	24	28	24.5	169.3
15-Sep-06	8	D	D	D	0	0	0	0	0	0	1	2	2	6	2	2	1	2	1	2	3	3	7	30	3.5	30.5
16-Sep-06	50	5	31	40	18	9	6	13	11	4	12	23	21	7	3	3	3	5	5	5	4	3	0	1	11.8	49.7
17-Sep-06	0	1	1	1	D	1	9	19	D	3	5	5	4	4	3	4	4	2	1	4	3	3	2	2	3.8	19.0
18-Sep-06	1	0	4	1	2	4	5	4	4	7	5	7	6	10	6	8	7	6	6	7	14	16	6	6	6.0	15.5
19-Sep-06	7	7	8	9	9	8	10	9	9	12	26	C	C	5	5	9	7	8	9	8	8	9	8	8	8.9	25.5
20-Sep-06	7	7	7	5	5	7	5	6	5	5	6	5	5	4	4	4	5	8	4	4	6	3	2	3	5.1	7.9
21-Sep-06	3	2	3	3	4	3	3	4	4	4	5	4	5	5	4	5	3	4	4	5	5	3	5	5	4.0	5.2
22-Sep-06	3	4	4	4	3	4	5	5	5	4	3	3	3	2	2	3	3	3	2	2	3	3	2	2	3.2	5.0
23-Sep-06	1	1	1	1	2	3	3	4	3	3	2	3	1	3	2	3	3	2	2	2	2	3	3	3	2.3	3.8
24-Sep-06	3	4	3	4	4	6	4	2	2	3	3	2	4	4	4	4	3	4	3	3	3	4	2	1	3.4	6.0
25-Sep-06	3	3	4	4	2	3	2	2	1	2	2	2	1	1	2	6	6	18	9	8	2	4	4	5	4.0	17.6
26-Sep-06	8	4	7	5	6	7	4	8	8	5	3	5	7	3	3	5	4	3	6	9	6	63	35	103	13.1	102.7
27-Sep-06	D	2	0	2	2	2	3	2	3	4	6	5	6	3	5	6	6	6	7	5	6	9	4	4	4.3	9.2
28-Sep-06	4	5	5	2	4	4	7	15	3	9	3	2	10	4	4	4	9	9	4	6	5	4	5	5	5.5	15.5
29-Sep-06	5	3	5	3	3	5	5	3	2	4	3	5	3	2	3	4	3	1	3	3	2	2	2	3	3.3	5.4
30-Sep-06	2	3	3	3	5	6	4	4	5	5	3	3	1	1	2	0	2	3	1	3	1	2	3	2	2.8	6.2
Hourly Avg	7.5	5.7	7.4	7.9	10.1	7.3	16.9	19.9	9.8	7.6	8.1	10.1	9.4	7.4	7.4	8.2	10.1	10.1	15.7	23.4	22.9	15.7	13.3	11.4		
Hourly Max	49.7	16.5	31.2	39.8	85.1	24.3	106.4	130.1	43.9	25.4	25.5	58.9	43.4	23.2	31.6	39.9	37.2	47.0	104.0	169.3	134.9	71.0	93.5	102.7		

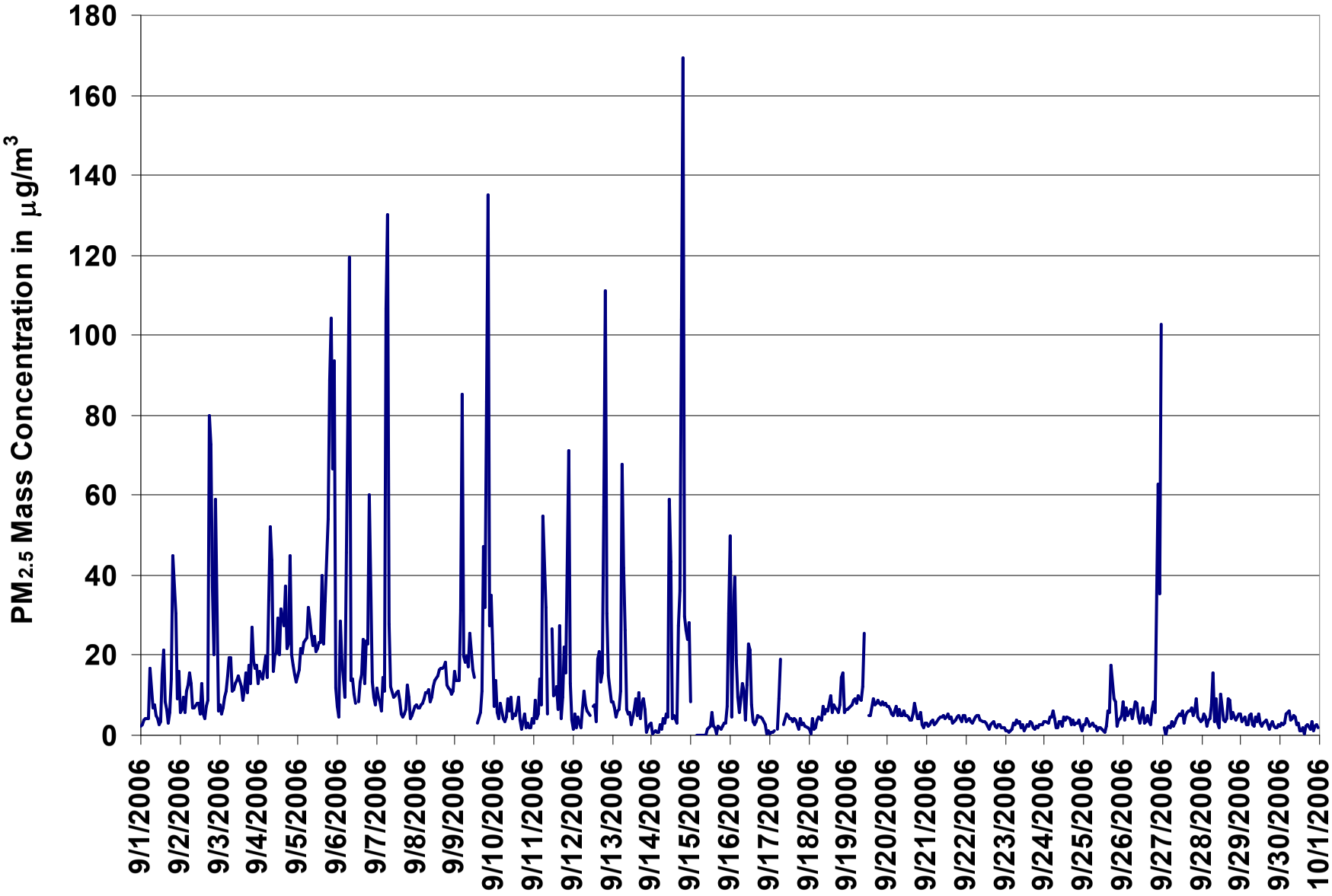
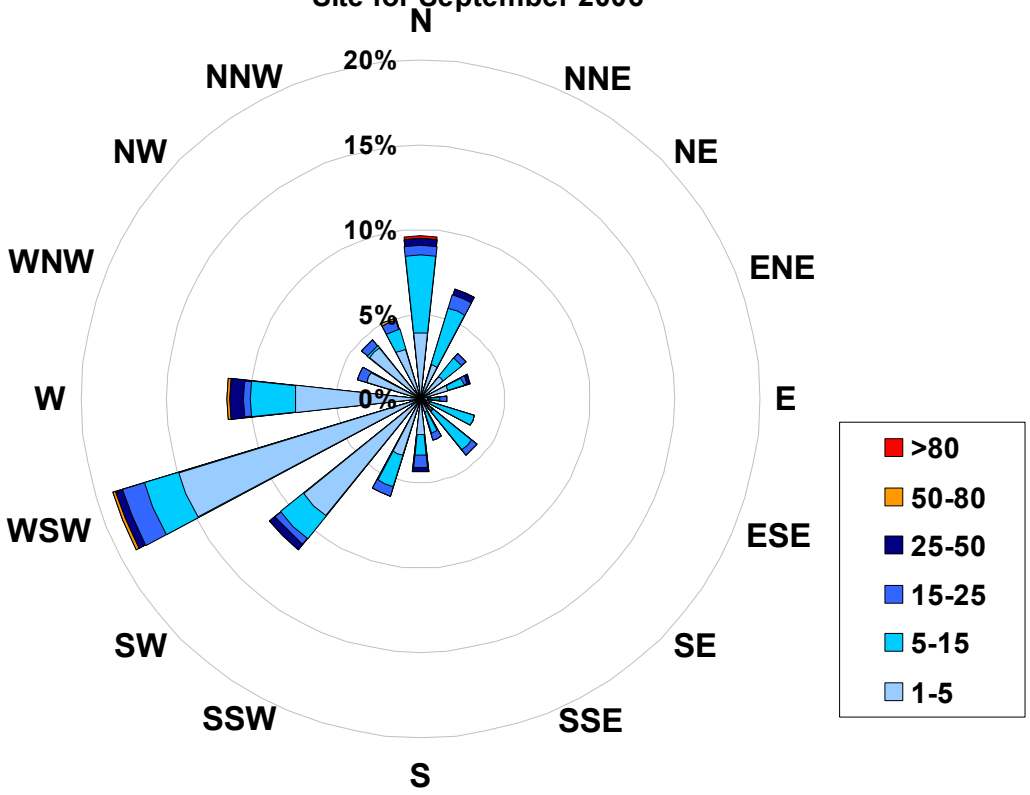


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Smoky Heights Site for September 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	496
5	to	15	151
15	to	25	42
25	to	50	14
50	to	80	3
	>	80	1
Total Non-Zero Values			707

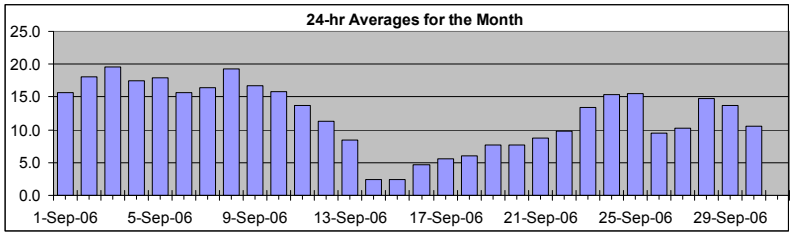
PASZA - Smoky Heights - Temperature Monthly Summary

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.4	°C	3-Sep	16:00 17:00
Maximum 24-hr Value:	19.5	°C	3-Sep	

AIC Time:	0 hrs	Operational Time:	718 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	28.4	24.7	16.9	11.4	6.9	2.1	0.6	12.1 °C	11.4 °C

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	10	10	7	6	5	5	5	9	13	16	18	22	23	24	25	25	25	25	25	21	18	15	14	12	15.7	25.2
2-Sep-06	13	9	10	9	9	8	8	11	14	17	21	25	27	28	28	28	29	28	28	23	17	15	13	12	18.0	28.9
3-Sep-06	14	14	11	10	9	8	8	11	14	17	21	24	26	28	30	30	30	30	29	25	22	21	18	18	19.5	30.4
4-Sep-06	17	15	13	11	12	12	13	11	13	16	19	19	22	23	24	23	22	22	21	20	19	17	18	18	17.5	23.6
5-Sep-06	16	15	12	11	9	10	9	11	12	15	18	20	23	25	27	29	28	28	27	23	19	16	13	13	17.9	28.8
6-Sep-06	12	11	11	10	9	6	7	10	15	17	18	20	22	24	24	25	25	24	22	18	14	11	10	11	15.7	24.6
7-Sep-06	11	12	9	10	7	6	6	8	12	15	18	20	23	24	25	26	25	24	23	20	19	18	16	15	16.4	25.7
8-Sep-06	16	15	15	14	14	13	10	12	15	18	20	21	23	25	26	27	26	26	24	23	21	20	19	17	19.2	26.5
9-Sep-06	14	14	11	10	9	8	7	8	10	12	15	19	22	26	26	26	26	25	22	20	18	19	18	16	16.8	26.1
10-Sep-06	15	15	14	13	11	11	10	12	14	17	19	20	21	21	20	20	21	20	19	16	14	14	12	10	15.7	21.0
11-Sep-06	9	9	11	10	9	7	6	9	12	P	P	19	19	20	21	20	20	19	18	16	13	11	12	11	13.6	20.6
12-Sep-06	9	7	6	6	6	5	4	6	10	13	14	16	17	18	18	18	18	17	17	14	9	7	7	7	11.3	18.2
13-Sep-06	6	8	6	4	3	2	1	3	9	11	13	15	15	15	13	12	12	13	11	9	7	5	5	5	8.4	15.2
14-Sep-06	4	4	4	4	4	3	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	1	1	1	2.4	3.9
15-Sep-06	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	3	3	2.4	3.6
16-Sep-06	3	3	3	3	3	3	3	3	3	4	5	5	6	7	8	8	7	6	6	5	5	5	5	4	4.6	8.1
17-Sep-06	4	4	4	3	1	0	-1	1	3	4	6	8	9	10	11	12	12	10	9	6	5	5	3	3	5.5	11.7
18-Sep-06	3	1	2	1	1	1	1	2	3	4	7	8	9	10	11	11	10	10	9	9	8	8	7	7	6.0	10.8
19-Sep-06	7	7	6	6	6	6	6	6	6	6	7	8	9	9	10	11	11	10	10	9	9	8	6	7	7.7	10.9
20-Sep-06	6	5	5	4	3	3	3	3	4	5	8	11	12	13	13	14	13	11	9	8	8	7	7	7	7.6	13.6
21-Sep-06	7	7	7	7	7	7	7	7	8	8	9	9	10	10	11	11	11	10	10	9	9	9	9	9	8.8	11.0
22-Sep-06	9	8	7	7	7	6	6	5	5	8	10	12	13	14	14	14	14	13	12	12	11	11	10	10	9.8	14.0
23-Sep-06	8	8	7	5	5	5	7	8	10	13	17	18	20	20	21	19	20	19	17	16	15	15	14	14	13.4	20.6
24-Sep-06	14	14	13	11	8	10	11	11	13	15	15	17	18	18	19	20	21	20	19	18	16	16	16	15	15.3	21.0
25-Sep-06	12	12	12	12	13	15	15	15	15	16	17	19	20	20	19	19	19	18	16	15	14	14	13	12	15.5	19.8
26-Sep-06	10	7	7	7	6	7	7	8	9	10	12	12	14	14	14	14	14	14	12	8	6	6	5	3	9.4	14.3
27-Sep-06	1	2	2	2	2	1	3	3	4	6	9	11	15	18	18	18	19	18	17	16	15	16	16	14	10.2	18.7
28-Sep-06	13	12	12	14	14	11	10	9	11	13	17	19	19	19	19	19	19	18	17	17	15	13	12	12	14.8	19.3
29-Sep-06	11	10	9	8	8	10	13	15	15	17	18	18	19	18	18	17	15	15	13	13	13	12	12	12	13.7	18.5
30-Sep-06	11	11	10	10	10	10	9	9	10	10	11	11	13	14	14	15	15	12	10	9	9	7	7	6	10.5	14.7
Hourly Avg	9.6	8.9	8.2	7.7	7.0	6.7	6.5	7.6	9.6	11.4	13.3	15.1	16.4	17.4	17.8	17.9	17.7	17.1	15.9	14.1	12.4	11.5	10.7	10.1		
Hourly Max	17.3	15.2	15.1	14.4	14.2	14.7	14.9	15.0	15.4	18.3	21.3	24.6	27.0	28.4	29.7	30.3	30.4	30.2	28.6	24.7	22.1	20.8	19.4	17.7		

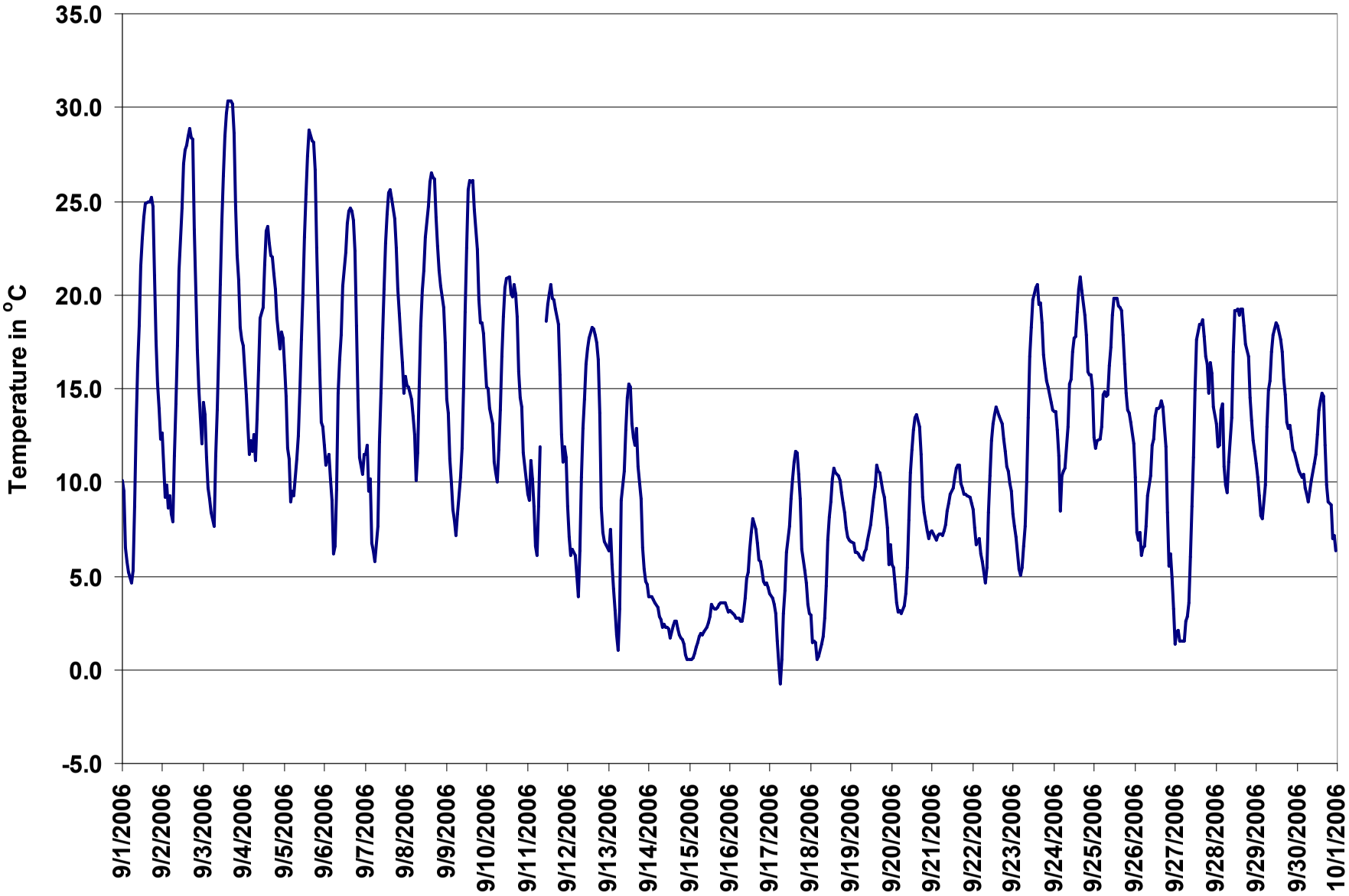


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

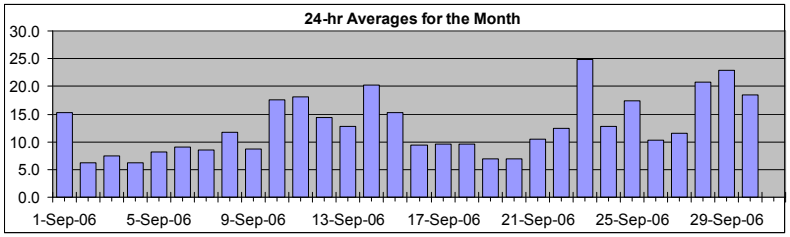
PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	41.4	km/hr	29-Sep	10:00 11:00
Maximum 24-hr Value:	24.8	km/hr	23-Sep	

Calm Time:	0 hrs	**0%** calms	Operational Time:	718 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	AverageS
	36.1	28.7	16.2	11.0	7.3	4.3	3.0	12.8 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Sep-06	13	12	11	12	11	9	10	9	13	24	27	30	29	25	24	21	20	18	12	10	8	6	7	8	15.3	30.4
2-Sep-06	5	6	7	8	8	8	7	8	8	7	9	8	6	7	9	8	6	7	3	3	4	4	3	3	6.3	9.0
3-Sep-06	15	5	4	4	6	7	6	5	8	7	7	8	9	10	9	11	11	9	7	7	5	7	8	8	7.5	15.3
4-Sep-06	7	6	5	4	2	5	4	4	3	5	6	6	8	8	7	9	8	8	5	10	6	7	9	8	6.3	10.5
5-Sep-06	10	7	4	6	6	8	7	7	7	7	8	8	7	8	6	8	9	7	11	12	13	12	10	10	8.2	12.8
6-Sep-06	12	15	17	15	7	4	3	4	4	6	8	8	13	13	14	12	12	10	6	9	6	4	7	9	9.0	16.9
7-Sep-06	7	5	5	5	4	4	3	3	6	7	6	8	9	10	10	14	15	14	12	11	13	13	11	7	8.4	15.1
8-Sep-06	10	7	11	11	7	8	10	9	7	11	18	19	18	16	16	15	14	15	13	11	8	8	10	7	11.7	19.4
9-Sep-06	5	4	3	3	8	5	5	7	4	7	7	7	7	7	6	8	7	17	11	10	12	15	20	25	8.7	24.5
10-Sep-06	20	16	11	8	12	14	14	15	13	15	21	25	24	25	28	23	22	27	21	12	15	15	12	13	17.5	27.6
11-Sep-06	12	13	13	8	7	12	11	10	11	P	P	29	29	31	28	24	30	27	25	15	12	15	19	16	18.0	31.2
12-Sep-06	15	13	13	16	17	16	11	8	14	13	15	15	21	22	20	21	18	16	12	4	6	11	12	15	14.4	22.0
13-Sep-06	16	15	8	7	7	10	6	4	10	11	11	13	12	15	12	15	14	12	16	19	16	19	20	18	12.7	19.7
14-Sep-06	17	22	21	25	25	24	23	22	20	20	20	20	21	19	22	23	22	20	18	17	17	17	16	15	20.2	25.1
15-Sep-06	16	18	17	17	15	17	18	20	20	20	20	19	17	18	17	16	15	13	11	11	9	6	7	8	15.2	20.4
16-Sep-06	8	9	9	9	9	10	10	10	9	11	11	10	12	15	15	14	13	8	6	4	6	7	5	7	9.4	15.3
17-Sep-06	9	8	8	5	3	5	6	6	7	9	8	11	12	11	11	11	14	16	14	11	12	13	10	10	9.6	15.8
18-Sep-06	9	7	6	6	8	8	7	9	8	10	11	12	11	10	12	14	13	11	10	9	9	9	9	10	9.6	14.4
19-Sep-06	9	9	9	7	8	7	8	8	9	9	8	7	4	3	5	4	6	6	7	8	9	7	5	7	7.0	9.4
20-Sep-06	5	6	7	7	8	7	7	9	10	9	7	5	5	6	7	6	9	14	6	3	3	5	7	8	6.9	13.7
21-Sep-06	10	8	7	7	6	6	7	5	6	7	8	10	11	13	15	18	16	16	15	17	16	12	6	9	10.5	17.7
22-Sep-06	10	7	7	6	7	7	10	7	10	13	13	15	17	17	18	18	18	13	13	13	11	14	16	18	12.4	18.0
23-Sep-06	14	15	16	17	17	17	19	18	20	24	33	31	27	30	31	37	36	37	30	31	28	23	22	21	24.8	37.0
24-Sep-06	20	19	18	11	6	10	9	9	8	5	6	5	13	16	14	10	22	18	18	18	13	15	11	15	12.9	22.2
25-Sep-06	11	10	7	8	11	12	15	21	18	24	33	37	36	33	28	24	20	11	12	11	13	8	5	5	17.3	37.0
26-Sep-06	4	6	11	13	5	7	7	7	10	6	10	18	18	19	18	16	14	12	9	9	9	7	6	5	10.2	19.1
27-Sep-06	3	4	3	5	9	11	11	11	12	13	11	11	11	12	15	15	11	9	13	9	13	23	22	20	11.5	23.2
28-Sep-06	21	17	18	17	15	12	10	9	8	13	27	32	36	33	33	30	26	32	30	24	16	14	12	11	20.8	35.6
29-Sep-06	7	11	11	9	10	8	18	21	24	30	41	38	37	35	33	34	29	30	30	25	22	19	16	12	22.9	41.4
30-Sep-06	9	10	9	11	16	10	11	9	13	13	18	19	22	27	27	30	31	25	19	23	26	19	22	22	18.4	31.3
1-hr Average	10.9	10.3	9.9	9.6	9.4	9.6	9.8	9.8	10.7	12.2	14.8	16.1	16.8	17.2	17.0	16.9	16.7	16.0	13.8	12.6	11.8	11.9	11.4	11.6		
Hourly Max	20.5	22.4	20.9	24.6	25.1	23.7	23.4	22.3	24.3	30.1	41.4	38.1	37.4	35.0	33.2	37.0	36.2	36.9	30.4	30.7	28.4	23.2	21.8	24.5		

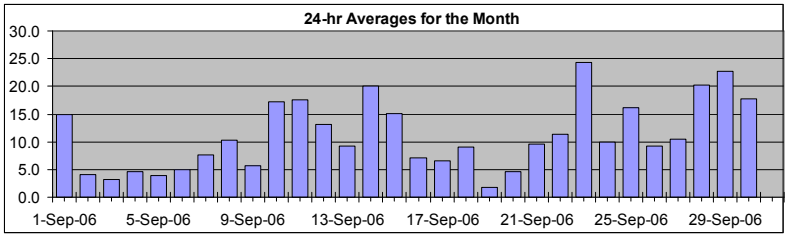
PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	41.2	km/hr	29-Sep	10:00 11:00
Maximum 24-hr Value:	24.4	km/hr	23-Sep	

Calm Time:	2 hrs	**0%** calms	Operational Time:	716 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	AverageV
	35.7	28.4	16.1	10.7	7.0	3.4	1.5	34.3 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Sep-06	13	12	11	12	11	9	10	9	12	24	26	30	28	24	24	20	19	17	12	9	8	4	6	7	14.9	30.0
2-Sep-06	4	5	6	7	8	8	7	8	8	7	8	7	3	5	7	5	5	5	1	1	4	4	3	2	4.1	8.5
3-Sep-06	15	4	4	1	5	6	5	4	8	6	6	8	8	8	8	10	10	8	6	7	4	7	8	8	3.3	15.1
4-Sep-06	7	6	5	4	2	4	3	3	2	2	5	4	8	7	6	8	7	3	4	8	4	6	8	8	4.6	8.4
5-Sep-06	10	7	2	6	6	8	6	7	6	6	7	7	6	7	4	5	8	7	7	12	13	12	10	9	3.9	12.7
6-Sep-06	12	15	17	15	2	3	3	2	3	5	7	6	12	11	12	11	12	10	6	8	3	2	7	8	5.0	16.9
7-Sep-06	6	5	4	4	4	4	1	1	5	6	5	7	8	9	9	13	15	14	12	11	13	13	11	7	7.6	14.6
8-Sep-06	9	7	11	11	7	7	10	9	7	11	18	19	17	16	16	15	14	15	12	11	8	7	10	7	10.3	19.0
9-Sep-06	3	3	calm	calm	8	3	2	6	4	7	6	6	5	5	4	4	3	17	11	10	12	15	20	24	5.7	23.9
10-Sep-06	20	16	11	8	12	14	14	15	13	15	20	24	24	24	27	23	21	26	21	12	15	15	12	13	17.3	27.1
11-Sep-06	12	13	12	8	7	11	11	9	11	P	P	29	28	31	28	23	29	27	25	15	12	15	19	16	17.7	30.9
12-Sep-06	15	13	13	16	17	16	10	7	13	13	15	13	21	21	19	20	18	16	11	3	6	11	12	15	13.1	21.2
13-Sep-06	16	15	6	7	7	10	6	4	9	10	11	12	11	13	11	14	13	12	15	19	16	19	20	18	9.3	19.6
14-Sep-06	17	22	21	25	25	24	23	22	20	20	20	20	21	19	22	23	22	20	18	16	16	17	16	15	20.1	25.0
15-Sep-06	16	18	17	17	15	17	18	20	20	20	20	19	17	18	17	16	15	13	10	11	8	6	7	8	15.1	20.3
16-Sep-06	8	9	9	9	9	10	10	9	9	11	11	10	12	14	15	14	12	8	6	3	6	7	4	7	7.0	15.0
17-Sep-06	9	8	7	4	2	5	6	5	7	8	8	11	12	11	10	10	12	16	14	11	11	12	9	10	6.6	15.7
18-Sep-06	9	7	6	6	8	8	7	9	8	10	10	11	11	9	11	14	13	11	10	9	9	8	9	10	9.1	14.1
19-Sep-06	9	9	9	7	8	7	8	8	9	9	8	6	3	2	4	3	5	5	7	8	9	7	5	7	1.8	9.3
20-Sep-06	4	6	7	7	8	7	7	9	9	9	6	5	5	5	6	5	9	13	3	2	3	5	7	8	4.7	12.9
21-Sep-06	10	8	7	7	6	6	7	5	6	7	8	10	11	13	15	17	15	16	15	17	16	12	6	8	9.5	17.4
22-Sep-06	10	7	7	6	7	7	10	7	10	12	13	14	17	17	17	17	13	13	13	11	14	16	18	11.3	17.6
23-Sep-06	14	14	16	17	17	17	19	18	20	24	33	31	27	30	31	37	36	37	30	31	28	23	22	21	24.4	36.8
24-Sep-06	20	19	18	11	6	9	9	9	8	2	4	3	12	15	13	9	22	18	18	18	13	15	11	15	10.0	21.8
25-Sep-06	11	10	7	8	11	11	15	21	18	24	32	37	36	32	28	24	19	11	12	11	13	6	4	4	16.2	36.7
26-Sep-06	4	5	11	12	4	7	7	7	10	5	10	17	18	19	17	15	13	12	9	9	5	7	6	5	9.2	18.8
27-Sep-06	2	3	3	5	9	10	11	11	12	13	11	11	11	11	14	14	11	9	12	9	12	23	22	20	10.5	23.0
28-Sep-06	21	17	18	17	15	12	10	9	8	13	27	31	35	33	33	30	26	32	30	24	16	14	12	11	20.2	35.1
29-Sep-06	7	11	11	8	10	8	18	21	24	30	41	38	37	35	33	34	29	30	30	25	21	19	16	12	22.7	41.2
30-Sep-06	9	9	9	11	16	10	10	9	13	13	18	19	22	27	27	29	30	25	18	22	26	19	22	22	17.8	29.7
1-hr Vector	5.6	5.5	5.1	4.8	4.4	5.0	4.7	3.8	3.5	4.0	5.8	7.2	7.7	7.9	8.1	7.7	7.5	7.3	6.6	5.3	5.8	5.9	6.0	5.9		
Hourly Max	20.5	22.3	20.8	24.5	25.0	23.7	23.3	22.1	24.2	29.9	41.2	37.9	37.2	34.7	32.8	36.8	36.1	36.8	30.3	30.6	28.4	23.0	21.7	23.9		

PASZA - Smoky Heights - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms								Operational Time:																718 hrs	
Calibration Time:	0 hrs									AMD Operational Uptime:																99.7%	
Percentile	99	95	75	50	25	5	1	Average																			
	357.0	339.8	259.0	232.5	120.1	9.5	3.3	265 deg																			

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Sep-06	228	233	252	249	243	229	218	216	207	243	240	250	252	255	258	250	244	241	220	226	258	239	251	229	242	WSW
2-Sep-06	299	215	216	222	225	244	219	202	184	176	224	232	197	104	146	184	187	189	207	16	342	339	306	307	211	SSW
3-Sep-06	278	262	49	152	194	251	194	200	169	167	135	125	129	127	146	131	158	113	90	67	89	17	15	23	136	SE
4-Sep-06	35	17	359	356	321	240	299	18	125	103	99	54	44	25	7	302	8	329	336	28	347	16	16	26	13	NNE
5-Sep-06	34	21	259	244	221	237	202	177	144	158	226	174	203	228	256	25	68	94	233	258	267	257	255	217	228	SW
6-Sep-06	237	263	267	258	41	293	290	178	144	120	142	167	242	251	274	301	325	356	356	9	323	341	263	297	277	W
7-Sep-06	359	350	329	13	101	26	68	326	42	55	54	60	58	55	59	76	76	70	59	59	66	71	66	31	55	NE
8-Sep-06	120	119	125	120	114	73	26	25	38	104	128	137	125	120	116	115	114	116	117	120	100	146	143	133	114	ESE
9-Sep-06	220	211	213	233	260	205	205	180	137	165	169	143	142	357	328	22	286	251	264	265	250	255	233	230	235	SW
10-Sep-06	258	250	257	248	249	256	264	248	232	227	250	241	238	245	254	259	250	257	260	251	231	234	262	255	249	WSW
11-Sep-06	260	271	274	230	254	267	259	247	207	P	P	259	259	261	257	270	264	242	256	262	242	254	258	258	257	WSW
12-Sep-06	251	256	265	268	261	254	246	200	219	223	189	258	245	238	256	264	274	271	305	348	254	261	260	263	253	WSW
13-Sep-06	259	257	252	210	236	263	273	259	345	359	10	356	4	330	41	334	330	355	357	3	343	342	344	354	333	NNW
14-Sep-06	359	17	18	20	13	12	13	11	5	8	8	9	8	6	8	11	10	4	2	3	5	4	5	2	9	N
15-Sep-06	6	9	14	17	29	22	26	27	26	26	23	23	30	30	29	29	29	32	35	33	40	9	11	15	24	NNE
16-Sep-06	21	21	12	11	13	19	18	7	13	20	21	359	4	17	20	25	44	63	256	246	255	283	256	206	10	N
17-Sep-06	225	232	181	201	193	238	255	230	186	182	146	157	119	136	137	147	125	136	120	116	91	83	73	70	142	SE
18-Sep-06	62	28	14	18	20	25	28	33	34	39	42	48	77	70	35	45	43	37	31	25	19	6	10	2	35	NE
19-Sep-06	7	8	7	359	4	356	3	353	357	5	358	6	1	357	229	204	184	190	149	172	172	168	175	165	8	N
20-Sep-06	163	188	204	228	231	213	241	208	193	201	184	138	140	134	149	226	278	264	290	96	340	269	270	255	219	SW
21-Sep-06	268	276	263	266	266	264	268	271	286	340	334	334	337	335	325	324	335	309	307	306	309	310	305	304	308	NW
22-Sep-06	313	309	255	225	283	263	260	237	238	223	234	221	218	203	221	221	228	209	205	217	218	225	233	230	230	SW
23-Sep-06	216	235	242	251	255	256	245	236	243	251	263	261	266	262	266	246	246	247	241	243	242	243	246	248	249	WSW
24-Sep-06	253	256	253	259	243	342	342	340	341	45	126	134	236	236	250	214	252	255	248	251	243	248	236	216	252	WSW
25-Sep-06	229	230	197	219	218	247	236	236	238	245	256	259	265	267	273	281	279	268	267	264	261	293	299	336	257	WSW
26-Sep-06	4	290	272	281	351	0	342	345	338	313	322	300	310	310	307	308	309	321	314	306	314	29	18	18	317	NW
27-Sep-06	316	209	251	228	233	224	207	203	204	210	199	175	180	192	211	221	199	174	184	232	229	235	249	243	215	SW
28-Sep-06	247	241	244	274	265	243	258	259	244	245	259	275	269	283	279	284	282	262	266	268	250	255	252	250	265	W
29-Sep-06	261	255	254	227	236	259	252	248	248	252	256	255	253	249	248	253	238	246	247	240	240	232	230	238	248	WSW
30-Sep-06	248	246	222	251	252	243	226	217	225	233	235	233	232	229	221	225	257	270	240	242	247	257	254	251	241	WSW
Hourly Avg	272	272	267	266	267	276	272	258	246	245	251	258	258	264	267	272	272	262	262	271	265	269	269	263		

PASZA - Smoky Heights - Standard Deviation of Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms		Operational Time:		718 hrs				
Calibration Time:	0 hrs			AMD Operational Uptime:		99.7%				
Percentile	99	95	75	50	25	5	1			
	52.9	36.4	14.3	8.0	5.3	3.0	2.1			

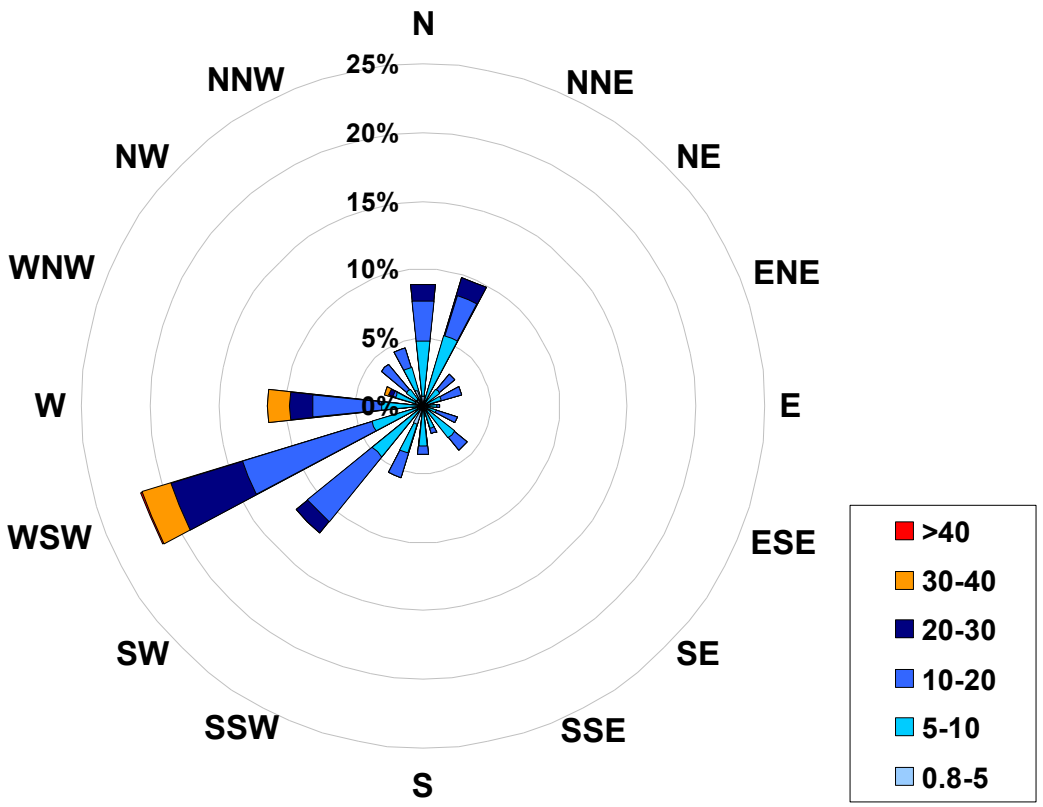
Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	2	2	4	2	3	4	5	4	11	8	9	7	10	11	11	11	12	11	5	9	6	40	19	10	39.8
2-Sep-06	27	8	8	10	6	5	4	6	10	17	17	21	55	42	25	41	44	33	36	41	21	19	18	33	54.5
3-Sep-06	6	27	19	45	10	14	13	20	11	15	18	14	21	23	32	25	15	10	6	5	18	5	4	7	44.6
4-Sep-06	13	6	12	12	40	16	14	38	16	35	32	32	20	25	14	18	17	56	45	13	45	40	18	7	56.4
5-Sep-06	4	20	43	9	17	8	12	7	16	20	19	24	32	28	51	28	15	16	19	4	5	7	15	12	50.6
6-Sep-06	4	3	3	2	55	45	24	55	36	15	15	51	23	27	18	18	16	15	8	9	31	26	15	17	55.1
7-Sep-06	13	14	33	17	15	16	25	44	12	15	21	15	21	21	21	21	13	7	5	6	6	9	6	9	43.6
8-Sep-06	15	13	5	5	13	13	4	3	9	13	9	10	10	11	14	7	7	9	8	12	15	16	9	10	15.7
9-Sep-06	16	23	29	49	9	21	35	18	38	11	23	18	26	42	57	35	59	6	5	6	3	3	5	4	58.9
10-Sep-06	4	6	8	4	5	3	4	3	6	8	10	9	15	13	9	9	11	7	4	5	5	9	9	4	15.1
11-Sep-06	7	5	14	14	9	5	5	8	7	P	P	9	9	8	11	8	8	8	6	6	6	3	3	3	14.0
12-Sep-06	3	4	3	3	3	3	13	21	6	7	7	24	12	14	12	10	8	8	10	42	8	8	4	2	41.5
13-Sep-06	2	2	46	10	11	5	10	35	26	14	15	19	18	26	11	26	9	12	7	6	7	6	5	9	46.3
14-Sep-06	8	5	5	5	5	5	4	6	7	8	8	7	6	7	6	6	6	7	7	8	7	6	6	6	8.2
15-Sep-06	5	4	5	4	6	5	6	6	5	5	5	5	6	6	7	6	5	5	9	8	10	10	8	5	10.2
16-Sep-06	4	4	5	7	7	8	5	8	8	9	10	13	12	12	10	9	11	45	15	27	15	4	21	5	44.7
17-Sep-06	4	3	8	13	20	5	12	7	11	10	15	19	16	18	19	26	16	6	5	2	6	7	8	7	26.0
18-Sep-06	6	9	8	8	5	6	7	4	8	8	13	16	16	20	16	10	8	7	6	7	8	8	7	7	20.4
19-Sep-06	6	7	7	9	8	10	10	9	9	10	14	17	43	53	38	59	32	35	13	5	6	10	14	8	58.7
20-Sep-06	10	10	7	10	9	11	7	7	6	8	18	33	21	21	17	25	12	8	36	28	25	14	6	6	36.0
21-Sep-06	3	2	3	3	4	3	5	4	11	12	10	9	8	10	11	9	9	6	6	4	4	5	17	20	20.4
22-Sep-06	6	7	16	8	12	25	4	6	6	8	10	15	10	10	14	10	9	5	5	4	3	4	3	3	24.8
23-Sep-06	3	3	2	2	2	3	2	3	5	5	5	6	9	8	9	5	4	5	4	3	3	3	3	3	9.2
24-Sep-06	2	2	2	10	9	11	11	6	13	40	37	52	22	11	16	16	9	4	4	5	5	5	4	3	51.7
25-Sep-06	4	3	7	14	3	9	5	3	5	5	5	6	5	8	6	6	6	5	3	4	3	13	20	31	30.8
26-Sep-06	15	10	6	30	28	11	10	10	8	41	20	10	11	11	12	13	14	10	4	9	29	8	5	9	41.3
27-Sep-06	22	13	18	7	6	4	3	3	5	6	9	6	16	14	10	9	8	10	8	17	7	7	4	3	21.9
28-Sep-06	3	4	5	5	7	7	7	4	8	5	6	7	9	8	7	6	7	5	4	6	3	2	4	3	8.5
29-Sep-06	14	3	4	5	4	5	6	3	3	5	4	5	6	6	6	7	5	5	4	4	3	4	3	5	13.6
30-Sep-06	7	11	6	6	3	6	4	3	3	7	4	4	6	6	7	7	9	5	4	4	3	3	4	2	10.6
Hourly Max	27	27	46	49	55	45	35	55	38	41	37	52	55	53	57	59	59	56	45	42	45	40	21	33	

1-hr Average Wind Rose (in km/hr) Located at the Smoky Heights Site for September 2006



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	58
5	to	10	260
10	to	20	290
20	to	30	79
30	to	40	30
	>	40	1
Total Non-Zero Values			718

PASZA – Beaverlodge Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Beaverlodge - AQI Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: September 1, 2006 to October 1, 2006

Alberta's Air Quality Index

Good	1	to	25
Fair	26	to	50
Poor	51	to	100
Very Poor		>	100

Summary

Number of 1-hr Good Readings:	631
Number of 1-hr Fair Readings:	8
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00
1-Sep-06	11	11	11	12	N	11	10	8	10	12	N	13	13	14	14	15	16	15	14	12	12	11	11	12
2-Sep-06	11	11	9	8	N	6	6	7	6	8	10	13	N	16	17	18	17	18	17	14	16	13	16	16
3-Sep-06	11	10	10	11	N	9	10	14	16	21	27	24	19	22	22	21	22	22	21	21	20	19	20	20
4-Sep-06	18	15	15	14	N	15	16	15	14	15	13	13	13	13	15	19	20	20	20	19	17	22	18	15
5-Sep-06	11	8	9	9	N	12	9	14	17	12	11	17	22	23	20	19	18	18	17	18	17	16	16	16
6-Sep-06	15	13	13	13	N	10	8	8	11	14	17	N	23	24	24	24	24	23	23	21	21	20	21	21
7-Sep-06	15	18	20	17	N	8	12	10	16	15	17	24	26	24	23	23	23	22	22	20	19	18	17	17
8-Sep-06	18	19	19	19	N	17	12	13	16	18	19	20	22	24	29	32	32	32	27	28	25	25	20	18
9-Sep-06	17	22	18	16	N	17	14	9	12	11	15	19	20	20	20	20	20	19	16	17	14	16	16	16
10-Sep-06	14	14	14	14	N	13	12	11	12	14	N	16	16	16	17	17	18	16	16	15	15	15	14	14
11-Sep-06	14	14	12	13	N	11	11	11	12	N	17	N	N	18	19	19	19	18	18	17	16	16	15	14
12-Sep-06	14	15	11	10	N	9	7	7	8	10	14	N	N	N	18	18	17	17	17	15	13	13	13	12
13-Sep-06	12	11	11	12	N	10	10	10	11	10	12	11	14	15	17	15	13	10	9	9	8	9	9	9
14-Sep-06	10	10	10	10	N	10	11	11	12	12	12	N	N	N	N	11	11	10	10	9	10	9	10	10
15-Sep-06	11	10	10	10	N	9	8	8	8	8	8	8	8	8	9	9	9	9	8	8	8	7	7	7
16-Sep-06	7	6	6	4	N	6	7	7	7	6	7	7	9	10	11	13	12	11	11	12	13	13	12	12
17-Sep-06	12	12	10	11	N	12	10	10	12	11	12	15	17	N	N	N	19	17	16	15	14	12	13	14
18-Sep-06	13	13	12	11	N	9	8	8	7	7	N	3	3	N	N	N	12	13	13	12	12	13	13	11
19-Sep-06	10	9	7	8	N	7	6	6	4	5	6	7	7	8	11	12	12	12	10	8	7	6	6	6
20-Sep-06	6	7	6	5	N	2	2	2	3	3	4	6	6	7	9	N	N	N	N	N	N	N	N	N
21-Sep-06	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	11	9	10	11	10	8	8	8	8
22-Sep-06	N	N	6	5	5	4	4	3	4	3	4	6	8	8	8	10	11	12	12	11	14	13	12	11
23-Sep-06	N	N	10	10	10	9	7	7	9	10	10	N	11	11	11	11	11	10	9	10	9	9	9	9
24-Sep-06	N	N	10	10	10	9	8	8	8	9	12	12	12	11	11	11	10	10	10	8	8	7	5	7
25-Sep-06	N	N	9	10	10	9	9	10	11	13	13	14	14	14	16	17	16	16	13	12	12	12	13	13
26-Sep-06	N	N	13	10	12	11	10	8	7	8	9	12	13	16	16	16	16	15	15	13	13	13	12	11
27-Sep-06	10	10	10	9	N	6	4	3	4	7	7	8	10	12	13	17	17	15	13	14	15	14	13	12
28-Sep-06	12	12	11	12	N	14	13	14	14	15	15	17	16	17	17	17	16	15	15	14	13	13	14	14
29-Sep-06	14	14	15	15	N	14	15	16	17	18	18	18	18	18	17	17	15	14	13	12	12	10	11	12
30-Sep-06	12	17	16	12	N	15	16	16	17	16	15	15	15	16	N	19	18	17	17	17	17	15	15	15

PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

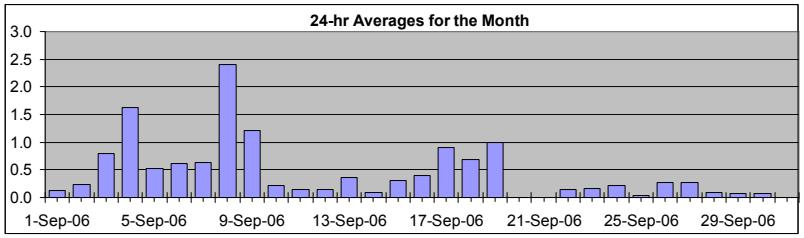
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 172 ppb | 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	11.1	ppb	9-Sep	15:00 16:00
Maximum 24-hr Average:	2.4	ppb	8-Sep	



AIC Time:	35 hrs	Operational Time:	659 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	96.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.7	1.8	0.6	0.2	0.1	0.0	0.0	0.5 ppb	0.2 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
2-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.2	0.6
3-Sep-06	0	0	0	0	A	0	0	0	2	3	4	1	1	0	1	0	1	1	1	0	0	0	1	1	0.8	3.5
4-Sep-06	1	1	1	1	A	1	0	0	1	1	3	2	3	1	1	2	2	2	2	2	3	4	3	2	1.6	4.0
5-Sep-06	1	1	1	0	A	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	1.3
6-Sep-06	0	1	1	1	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0.6	1.2
7-Sep-06	1	1	1	1	A	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1	0.6	1.2
8-Sep-06	1	2	2	4	A	3	3	4	4	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2.4	3.9
9-Sep-06	2	1	1	0	A	0	0	0	0	0	0	0	0	3	5	11	1	0	0	0	0	0	0	0	1.2	11.1
10-Sep-06	0	1	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
11-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.2	0.6
12-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
13-Sep-06	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	0.9
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
15-Sep-06	0	0	0	0	A	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.3	1.1
16-Sep-06	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	1.4
17-Sep-06	0	0	0	0	A	0	0	0	4	3	0	2	2	1	0	1	1	0	0	0	0	1	1	1	0.9	4.0
18-Sep-06	1	1	1	1	A	1	1	0	0	1	0	0	0	C	C	C	A	1	1	1	0	0	0	1	0.7	1.1
19-Sep-06	5	2	1	1	A	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1.0	4.8
20-Sep-06	1	1	1	0	A	0	0	0	0	0	1	2	2	1	1	P	P	P	P	P	P	P	P	P	N	2.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	0	1	0	0	0	0	0	0	0	N	0.6
22-Sep-06	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
23-Sep-06	A	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
24-Sep-06	A	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.4
25-Sep-06	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
26-Sep-06	A	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0.3	0.7
27-Sep-06	1	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.3
28-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
29-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
30-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
Hourly Avg	0.7	0.5	0.4	0.4	N	0.4	0.4	0.4	0.7	0.7	0.7	0.6	0.6	0.5	0.6	0.8	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4		
Hourly Max	4.8	1.8	2.2	3.9	0.1	3.3	3.5	3.8	4.0	3.3	3.5	2.3	2.9	3.0	5.2	11.1	2.0	1.7	2.0	2.2	2.9	4.0	2.8	1.8		

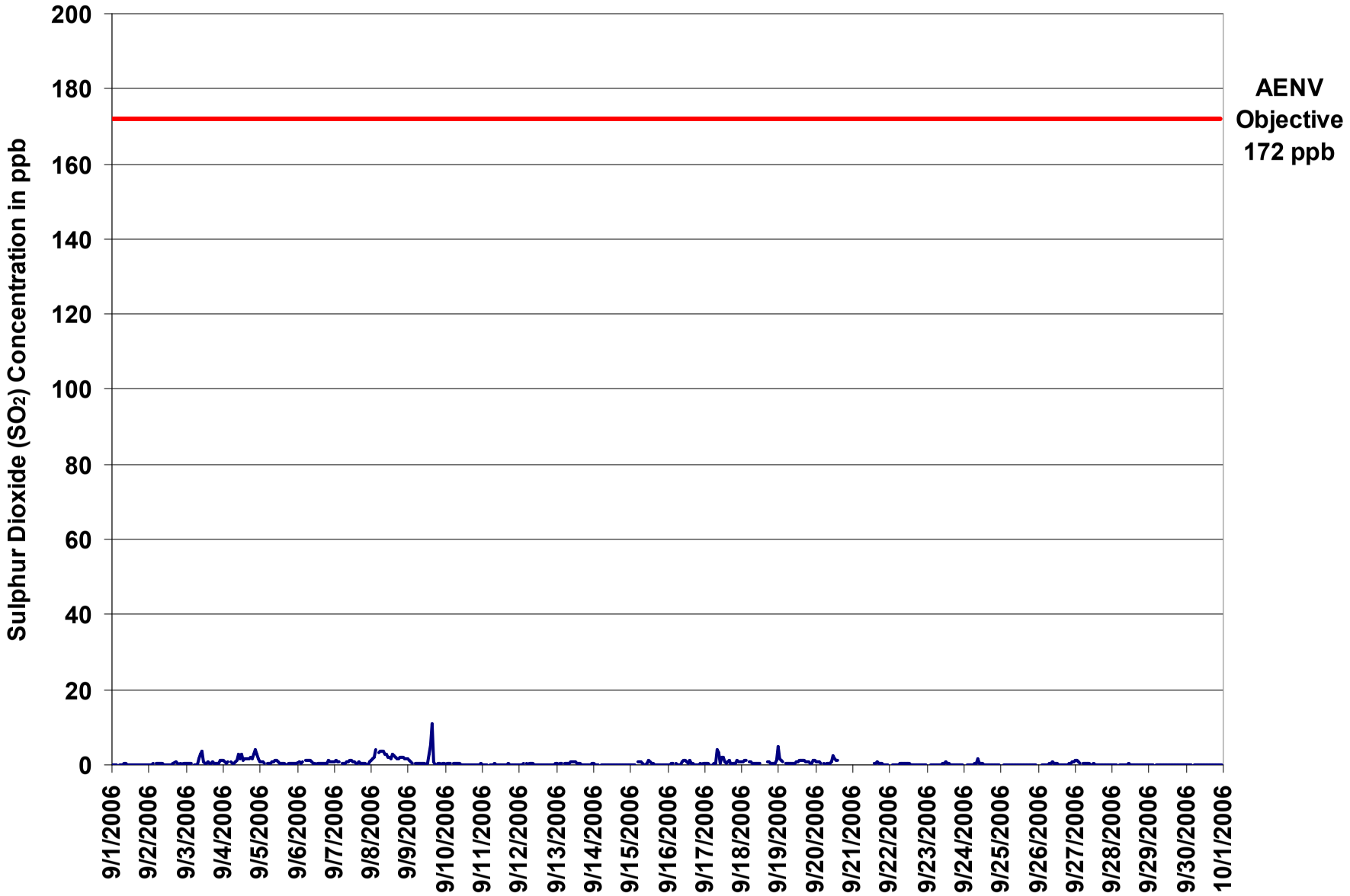


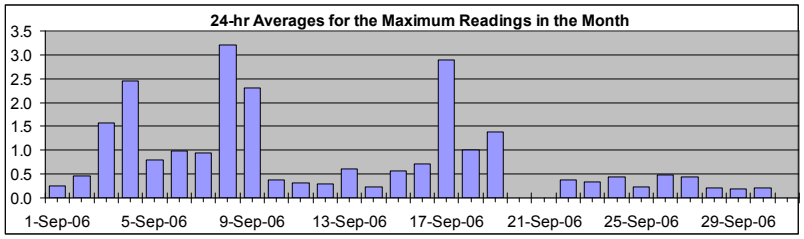
Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	17.5	ppb	9-Sep	15:00 16:00
Maximum 24-hr Value:	3.2	ppb	8-Sep	

AIC Time:	35 hrs	Operational Time:	659 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	96.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	7.3	3.0	0.9	0.4	0.2	0.1	0.1	0.9 ppb	0.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
2-Sep-06	0	0	0	1	A	1	1	1	1	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0.5	2.1
3-Sep-06	0	0	0	0	A	0	0	0	8	4	9	1	1	1	1	1	1	1	1	1	1	1	2	2	1.6	8.8
4-Sep-06	2	1	1	1	A	2	1	1	1	3	6	2	4	2	2	2	2	2	3	2	4	6	6	2	2.5	6.3
5-Sep-06	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	1	1	1	1	0.8	1.5
6-Sep-06	0	1	1	1	A	2	2	2	2	1	1	0	0	1	1	0	0	0	1	1	2	2	1	1	1.0	2.1
7-Sep-06	2	1	1	1	A	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	1	0.9	1.8
8-Sep-06	2	2	3	10	A	4	4	4	4	3	4	3	4	2	4	3	2	2	2	3	3	2	2	2	3.2	10.3
9-Sep-06	3	1	1	1	A	0	1	1	1	1	0	0	2	4	13	17	4	0	0	0	0	0	1	1	2.3	17.5
10-Sep-06	0	1	1	1	A	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
11-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.3	1.1
12-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3	0.7
13-Sep-06	1	0	0	0	A	0	0	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0.6	1.8
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
15-Sep-06	0	0	0	0	A	1	1	2	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0.6	1.9
16-Sep-06	0	0	1	0	A	0	0	0	0	2	2	2	1	1	2	2	0	0	0	0	0	0	0	1	0.7	2.0
17-Sep-06	1	1	1	0	A	0	0	1	14	16	2	6	5	3	3	3	6	0	1	1	1	1	1	1	2.9	15.6
18-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	C	C	C	A	1	1	1	1	0	1	4	1.0	4.1
19-Sep-06	7	3	3	2	A	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.4	6.6
20-Sep-06	1	1	1	1	A	0	0	0	0	1	3	3	2	2	1	P	P	P	P	P	P	P	P	P	N	3.2
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	1	3	3	2	2	1	0	0	0	0	N	3.0
22-Sep-06	A	A	0	0	0	0	1	1	1	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0.4	1.8
23-Sep-06	A	A	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3	1.0
24-Sep-06	A	A	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	2.4
25-Sep-06	A	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.2	1.3
26-Sep-06	A	A	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0.5	1.2
27-Sep-06	2	1	1	1	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.9
28-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
29-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
30-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
Hourly Avg	1.0	0.8	0.7	0.8	N	0.7	0.6	0.7	1.5	1.5	1.3	1.0	1.1	0.9	1.2	1.3	0.9	0.6	0.5	0.5	0.6	0.7	0.7	0.8		
Hourly Max	6.6	2.7	2.7	10.3	0.2	3.5	4.0	4.2	13.8	15.6	8.8	6.1	4.9	4.0	13.4	17.5	5.9	2.2	2.5	2.5	3.9	6.1	5.8	4.1		

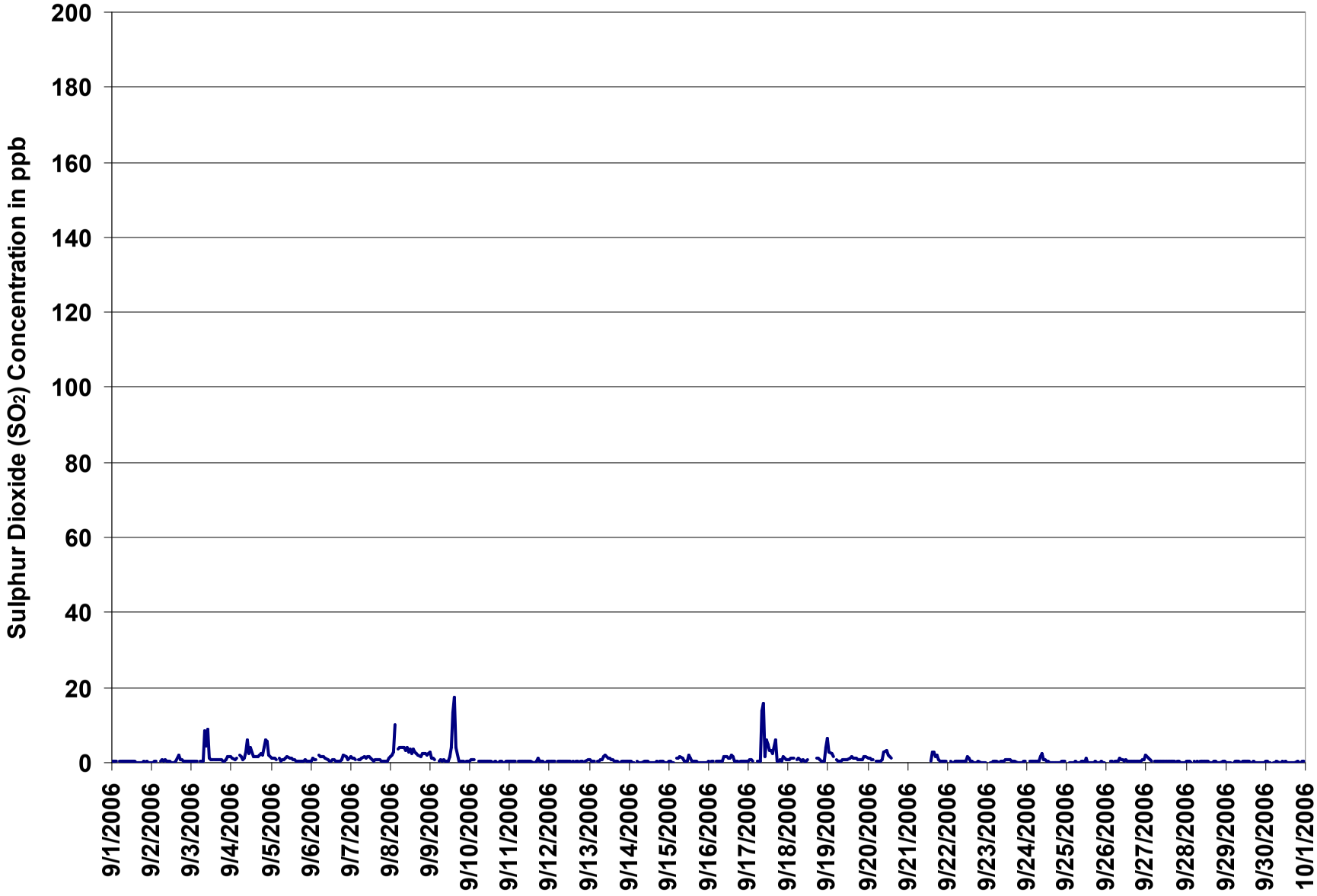
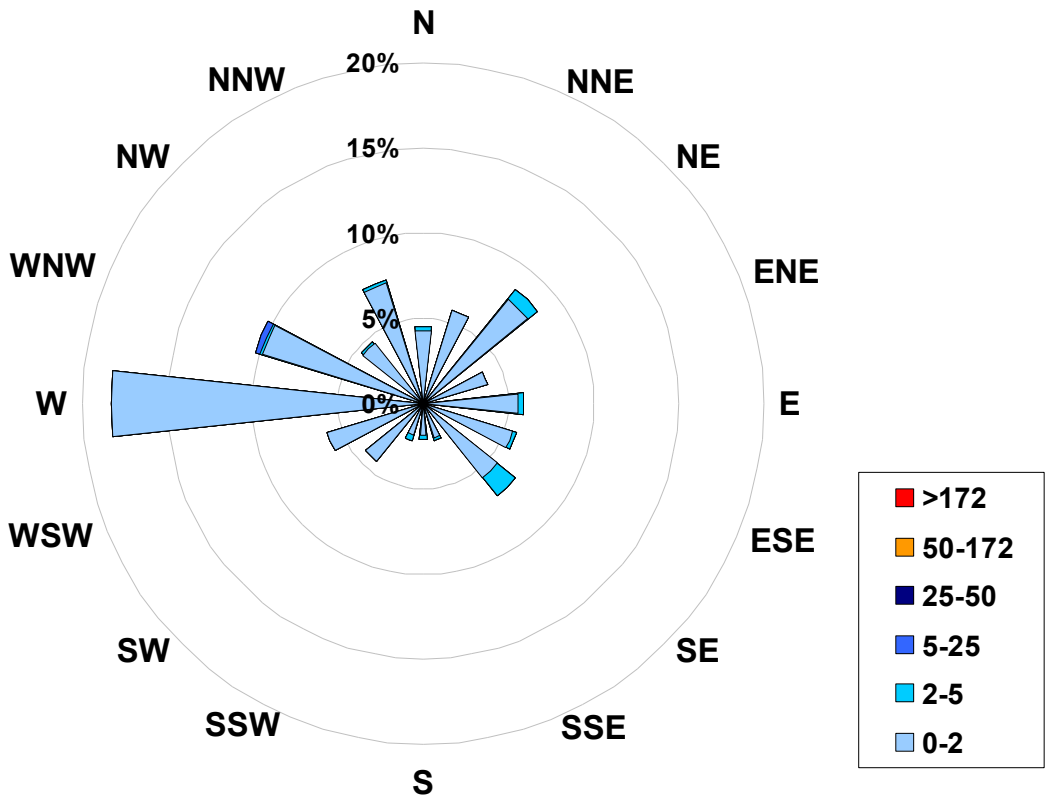


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Beaverlodge Site for September 2006



Calms:	1%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	629
2	to	5	28
5	to	25	2
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			659

PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

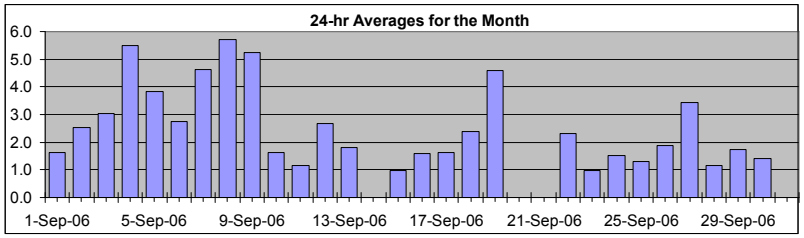
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 212 ppb | 24-hr 106 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	15.6	ppb	7-Sep	5:00 6:00
Maximum 24-hr Average:	5.7	ppb	8-Sep	



AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	10.7	7.4	3.6	1.9	0.9	0.2	0.0	2.6 ppb	1.9 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	3	2	2	2	A	2	3	5	3	1	1	0	0	0	0	0	0	0	1	3	3	2	2	2	1.6	5.2
2-Sep-06	2	3	3	3	A	4	4	3	6	4	3	3	1	0	1	1	1	1	2	3	3	4	2	2	2.5	5.7
3-Sep-06	4	4	4	4	A	7	9	7	5	4	3	3	2	1	1	1	1	1	1	1	1	1	2	2	3.0	8.7
4-Sep-06	3	5	5	5	A	6	15	9	6	6	4	3	4	3	3	4	4	5	5	5	6	6	9	7	5.5	14.6
5-Sep-06	6	5	5	6	A	6	5	8	8	6	6	4	4	3	2	1	1	1	1	2	2	2	2	2	3.8	8.0
6-Sep-06	2	2	3	2	A	6	8	10	5	4	3	2	1	2	1	1	1	1	1	1	2	3	2	1	2.7	9.9
7-Sep-06	7	4	3	6	A	16	6	9	15	9	8	5	3	2	1	1	1	1	1	1	2	1	1	2	4.6	15.6
8-Sep-06	2	3	3	4	A	5	14	11	8	6	7	6	5	5	5	4	4	4	5	4	4	5	8	9	5.7	13.9
9-Sep-06	10	15	7	8	A	10	13	9	11	7	5	2	1	1	1	1	1	2	3	6	5	1	1	1	5.3	15.1
10-Sep-06	1	2	2	2	A	2	4	6	3	3	1	1	1	1	0	0	0	0	1	1	1	1	2	2	1.6	5.9
11-Sep-06	1	1	2	1	A	3	3	3	4	0	0	0	0	0	1	0	1	1	1	1	1	0	0	1	1.2	3.9
12-Sep-06	1	1	3	4	A	5	8	8	5	4	2	0	0	0	0	1	1	1	1	3	6	3	3	2	2.7	8.0
13-Sep-06	2	2	2	2	A	4	4	4	3	4	3	3	1	1	1	1	1	1	1	1	1	1	0	1	1.8	4.2
14-Sep-06	1	1	0	0	A	0	1	1	0	0	0	C	C	C	C	C	A	1	1	1	1	1	1	1	N	1.4
15-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3
16-Sep-06	2	3	3	4	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.6	4.5
17-Sep-06	3	3	2	1	A	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1.6	2.9
18-Sep-06	2	2	2	3	A	3	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	2	2	2.4	3.9
19-Sep-06	2	2	4	2	A	3	4	5	7	6	5	4	4	4	3	3	2	2	6	9	6	8	7	7	4.6	8.6
20-Sep-06	7	5	5	5	A	7	6	5	3	4	3	4	5	6	6	P	P	P	P	P	P	P	P	P	N	6.7
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	4	6	4	3	3	N	5.7
22-Sep-06	A	A	3	4	4	4	4	4	4	3	3	1	3	2	2	1	0	1	1	2	1	1	2	1	2.3	4.2
23-Sep-06	A	A	2	1	1	2	4	3	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1.0	4.4
24-Sep-06	A	A	0	0	0	1	3	2	2	2	1	1	1	0	0	0	1	1	1	3	3	4	5	2	1.5	5.3
25-Sep-06	A	A	0	0	0	1	1	1	2	1	0	1	0	0	1	1	1	1	4	4	4	3	1	1	1.3	4.1
26-Sep-06	A	A	1	1	1	2	2	4	5	3	2	1	0	1	0	1	1	1	1	2	2	2	3	5	1.9	5.3
27-Sep-06	6	5	4	3	A	4	6	8	5	2	2	2	2	2	2	2	2	4	7	6	2	1	1	1	3.5	8.4
28-Sep-06	0	1	1	1	A	3	4	3	2	1	1	0	0	1	1	1	1	1	1	1	2	1	0	0	1.2	4.0
29-Sep-06	0	1	0	0	A	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	4	5	5	3	1.7	5.2
30-Sep-06	3	1	2	4	A	5	3	3	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	1.4	5.0
Hourly Avg	3.0	3.0	2.6	2.8	N	4.0	5.0	4.8	4.2	3.0	2.4	1.9	1.6	1.5	1.4	1.1	1.2	1.3	2.1	2.6	2.5	2.4	2.5	2.3		
Hourly Max	10.2	15.1	7.0	8.4	4.1	15.6	14.6	10.5	14.8	9.3	7.9	6.3	5.2	5.7	5.5	4.0	3.9	4.6	7.5	8.6	6.3	8.3	9.0	8.9		

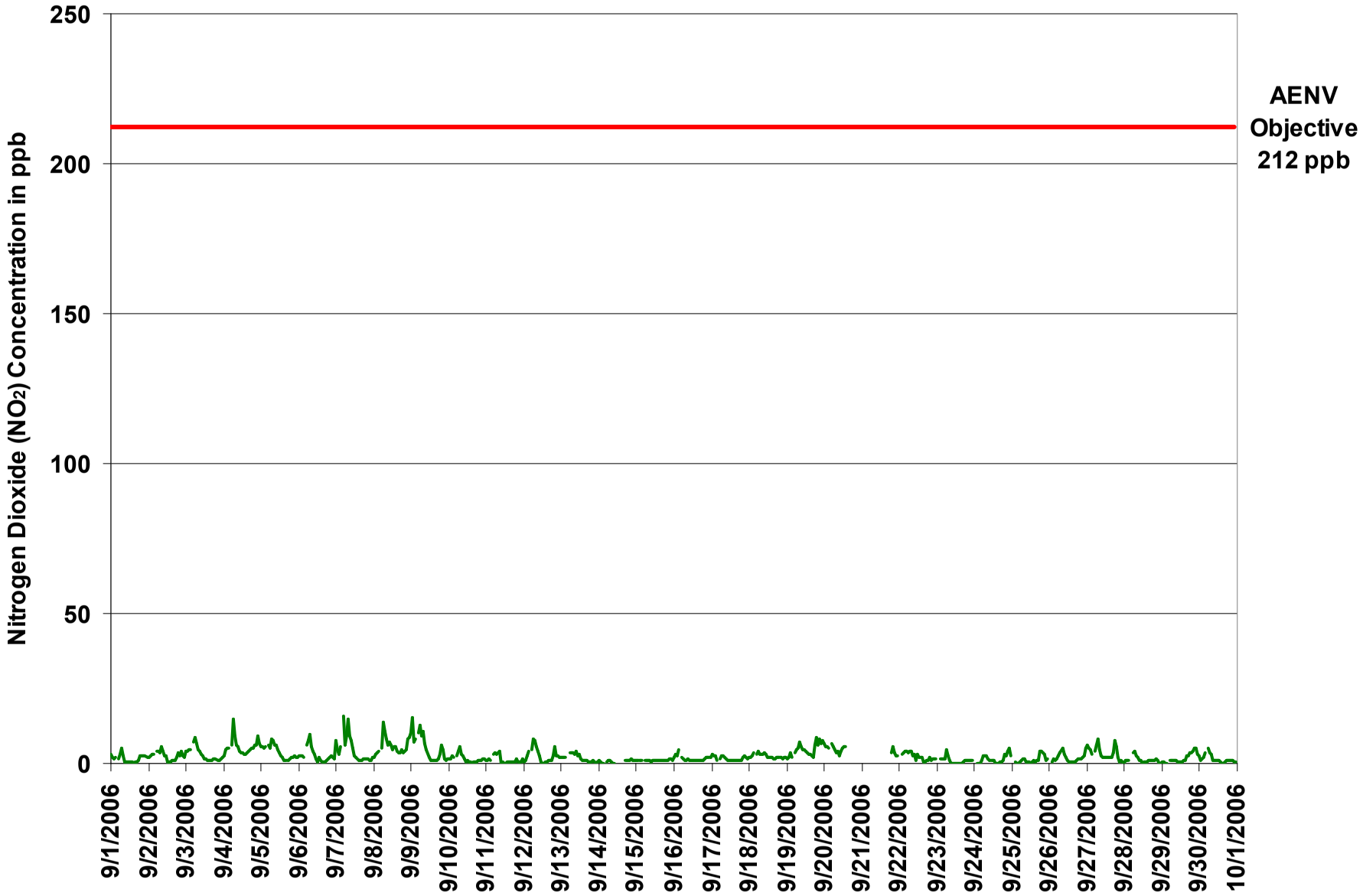


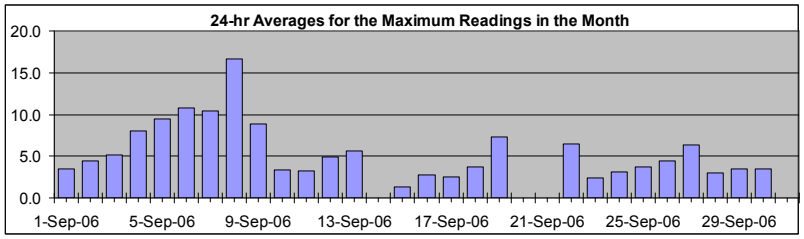
Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	89.5	ppb	6-Sep	13:00 14:00
Maximum 24-hr Value:	16.6	ppb	8-Sep	

AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	41.8	15.6	6.1	3.0	2.0	1.0	0.9	5.5 ppb	3.0 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	4	3	2	4	A	4	7	13	5	1	1	1	1	1	2	1	2	1	2	6	7	5	5	3	3.5	12.7
2-Sep-06	3	3	3	3	A	6	7	6	8	7	4	4	2	1	1	1	1	1	7	8	10	8	5	3	4.4	9.9
3-Sep-06	13	6	6	10	A	11	14	10	7	5	5	4	2	2	2	1	1	1	2	2	3	3	6	3	5.1	14.0
4-Sep-06	12	9	6	8	A	10	19	12	10	8	6	5	6	5	4	5	4	6	6	7	10	7	12	9	8.0	19.0
5-Sep-06	9	7	7	7	A	8	8	10	11	7	7	6	4	32	66	2	2	2	3	5	4	6	3	3	9.4	66.5
6-Sep-06	4	4	3	3	A	18	14	18	12	7	4	3	2	89	36	2	1	1	2	4	3	9	6	3	10.7	89.5
7-Sep-06	16	9	7	22	A	35	10	20	21	11	45	9	4	5	3	4	2	2	2	3	3	2	2	3	10.4	44.9
8-Sep-06	3	3	4	4	A	10	19	12	12	18	89	45	25	36	28	6	4	5	9	11	9	10	11	11	16.6	89.2
9-Sep-06	18	20	9	15	A	17	27	19	20	13	6	4	1	1	2	1	2	3	5	10	7	3	2	2	8.9	26.6
10-Sep-06	3	2	4	3	A	8	8	10	11	3	2	1	2	2	1	1	1	1	2	3	3	2	2	4	3.4	10.7
11-Sep-06	2	2	4	3	A	8	6	10	11	1	1	1	1	2	2	2	2	2	2	4	2	2	2	3	3.2	10.6
12-Sep-06	2	2	8	6	A	7	12	10	10	5	5	1	1	1	3	2	3	2	3	7	12	5	4	4	4.9	12.0
13-Sep-06	4	3	7	4	A	6	4	5	4	39	31	4	3	2	2	3	1	1	1	1	1	1	1	2	5.6	38.8
14-Sep-06	1	1	1	1	A	1	1	1	1	1	1	C	C	C	C	C	A	1	1	2	2	2	2	1	N	2.0
15-Sep-06	1	1	1	1	A	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1.3	2.0
16-Sep-06	5	5	4	6	A	3	4	2	2	2	2	2	2	2	1	1	1	1	2	2	3	4	4	3	2.7	6.1
17-Sep-06	5	3	4	2	A	3	3	4	3	2	2	2	2	2	1	2	1	1	2	2	3	3	3	2	2.5	5.1
18-Sep-06	3	2	3	5	A	4	4	4	4	4	4	4	3	3	2	3	2	2	3	12	3	4	3	3	3.7	11.9
19-Sep-06	2	4	7	3	A	5	6	20	9	7	6	6	5	4	3	3	4	3	15	14	11	11	9	10	7.3	20.3
20-Sep-06	10	7	6	5	A	9	8	8	5	82	4	6	6	6	7	P	P	P	P	P	P	P	P	P	N	82.1
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14	10	5	4	3	N	13.8
22-Sep-06	A	A	4	4	5	8	5	6	5	4	5	2	60	5	4	2	2	3	3	4	2	3	3	3	6.5	60.2
23-Sep-06	A	A	3	4	4	5	11	4	3	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2.4	11.0
24-Sep-06	A	A	1	1	1	2	6	4	4	2	2	1	1	1	1	1	2	2	3	6	6	7	9	5	3.1	9.1
25-Sep-06	A	A	1	1	2	2	2	4	3	3	2	5	2	1	2	1	2	3	13	12	9	8	2	3	3.8	12.6
26-Sep-06	A	A	2	2	2	3	7	7	27	7	4	2	2	1	1	2	1	2	3	5	5	3	4	8	4.4	27.3
27-Sep-06	8	6	6	4	A	5	10	12	10	4	2	2	3	2	4	5	5	12	20	13	4	4	3	2	6.3	20.1
28-Sep-06	1	1	2	2	A	7	7	5	3	3	2	1	1	2	2	4	3	3	3	3	4	6	2	1	3.0	7.1
29-Sep-06	1	2	1	1	A	2	2	2	2	3	2	2	2	1	2	2	4	5	6	6	8	9	10	4	3.4	9.7
30-Sep-06	5	2	4	7	A	13	6	5	2	2	2	2	3	2	1	1	2	3	3	4	4	3	2	2	3.5	12.9
Hourly Avg	5.6	4.4	4.1	4.8	N	7.6	8.2	8.4	7.8	8.7	8.6	4.5	5.2	7.6	6.6	2.2	2.1	2.6	4.5	6.0	5.2	4.8	4.3	3.6		
Hourly Max	18.0	20.0	9.0	21.8	5.1	35.1	26.6	20.3	27.3	82.1	89.2	44.9	60.2	89.5	66.5	6.3	5.1	12.0	20.1	14.1	11.6	11.2	11.8	11.0		

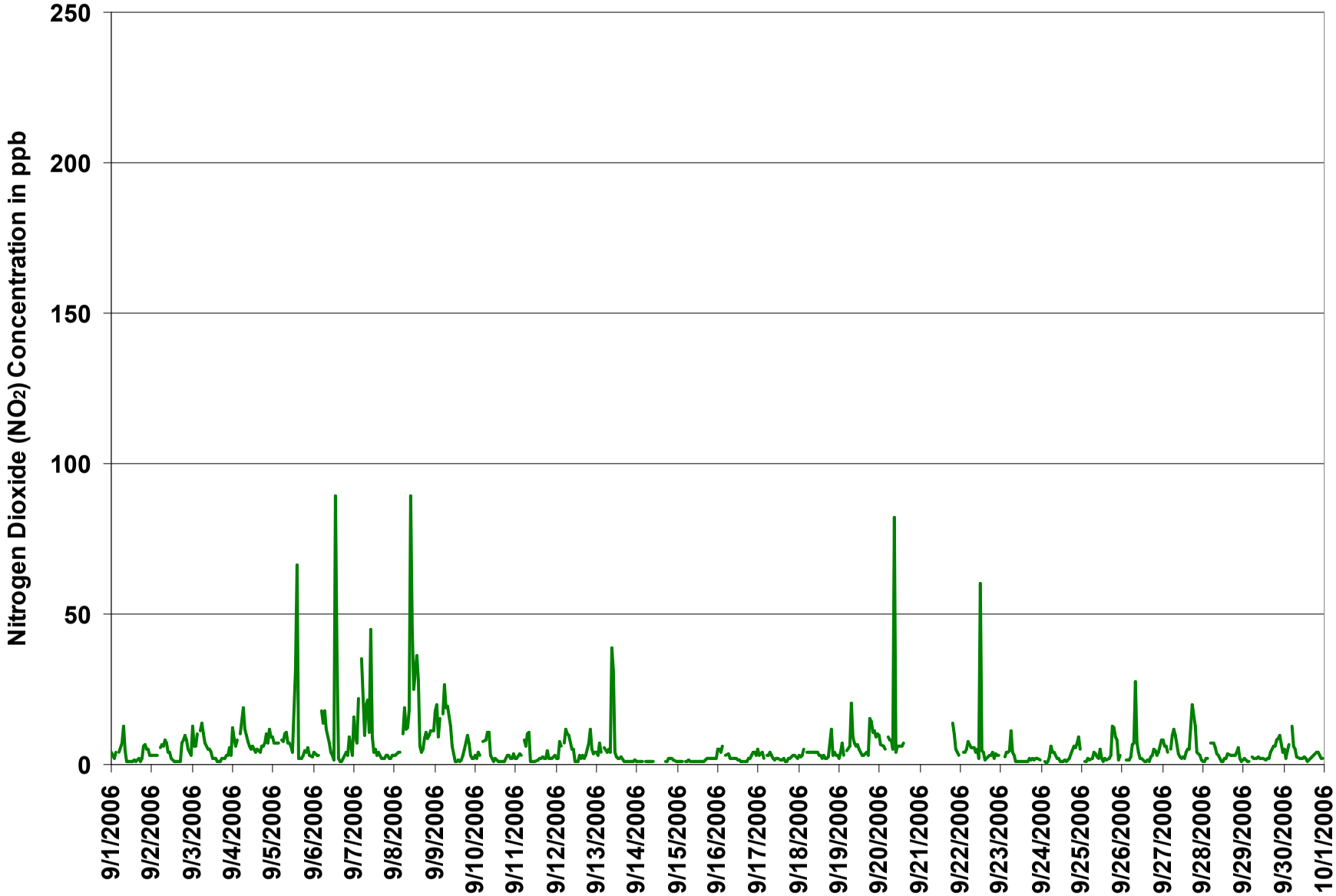
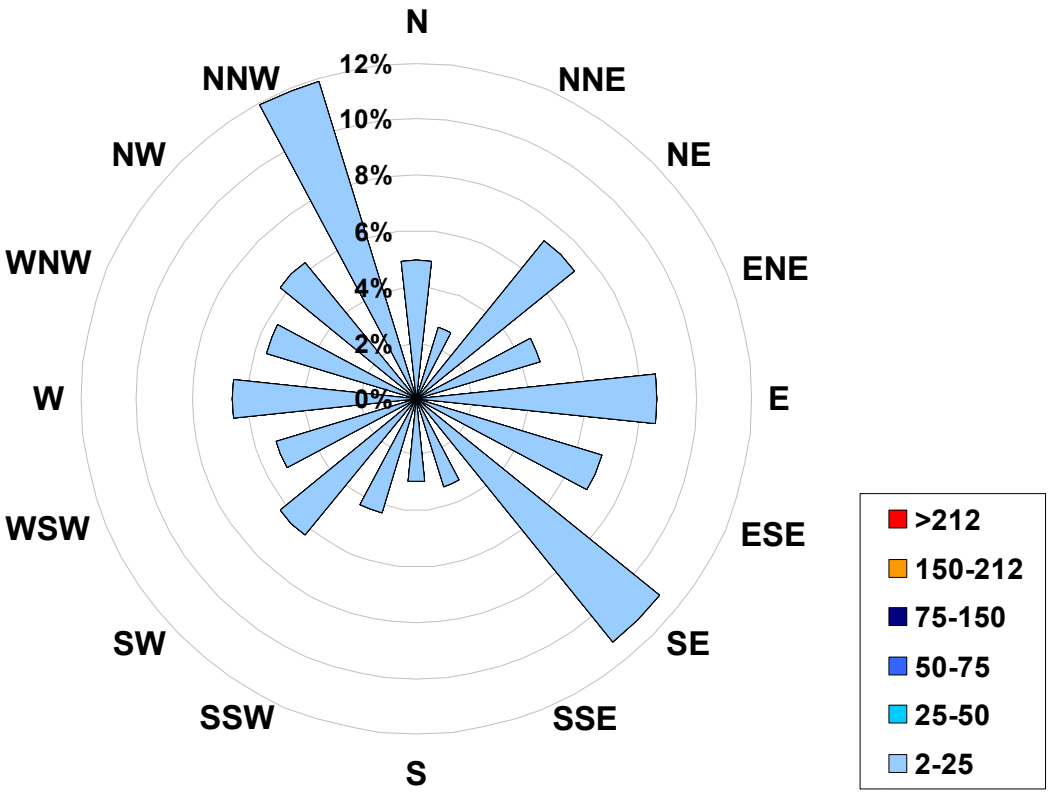


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Nitrogen Dioxide (in ppb) Located at the Beaverlodge Site for September 2006



Calms:	1%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	652
25	to	50	0
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			652

PASZA – Beaverlodge - Nitric Oxide Monthly Summary

HOURLY AVERAGE TABLE

Nitric Oxide (NO)

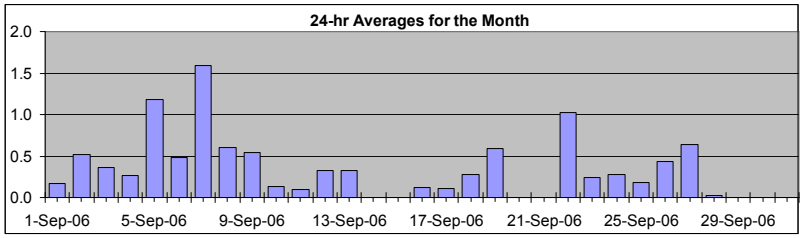
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Guideline Limit: 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	20.7	ppb	7-Sep	8:00 9:00
Maximum 24-hr Average:	1.6	ppb	7-Sep	



AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	5.4	2.4	0.1	0.0	0.0	0.0	0.0	0.4 ppb	0.0 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	A	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.7
2-Sep-06	0	0	0	0	A	0	0	1	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5.4
3-Sep-06	0	0	0	0	A	0	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2.8
4-Sep-06	0	0	0	0	A	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	3.3
5-Sep-06	0	0	0	0	A	0	0	9	9	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1.2	9.3
6-Sep-06	0	0	0	0	A	0	0	5	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5.3
7-Sep-06	0	0	0	0	A	3	0	4	21	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1.6	20.7
8-Sep-06	0	0	0	0	A	0	0	1	1	1	4	2	2	1	2	0	0	0	0	0	0	0	0	0	0.6	3.6
9-Sep-06	0	0	0	0	A	0	2	1	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	6.0
10-Sep-06	0	0	0	0	A	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.1
11-Sep-06	0	0	0	0	A	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.6
12-Sep-06	0	0	0	0	A	0	0	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.3
13-Sep-06	0	0	0	0	A	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	3.1
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	C	C	C	C	C	A	0	0	0	0	0	0	0	N	0.0
15-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
16-Sep-06	0	0	0	0	A	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
17-Sep-06	0	0	0	0	A	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
18-Sep-06	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3	1.2
19-Sep-06	0	0	0	0	A	0	0	0	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0.6	2.2
20-Sep-06	0	0	0	0	A	1	1	2	3	3	2	2	2	1	1	P	P	P	P	P	P	P	P	P	N	3.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	7	5	3	2	1	N	6.7
22-Sep-06	A	A	0	0	0	0	0	1	4	4	5	0	6	2	0	0	0	0	0	0	0	0	0	0	1.0	5.7
23-Sep-06	A	A	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
24-Sep-06	A	A	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	1.2
25-Sep-06	A	A	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0.2	1.7
26-Sep-06	A	A	0	0	0	0	0	1	3	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4	3.2
27-Sep-06	0	0	0	0	A	0	0	3	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.6	3.8
28-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
29-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
30-Sep-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Hourly Avg	0.0	0.0	0.0	0.0	N	0.2	0.3	1.4	2.6	1.5	1.1	0.6	0.7	0.3	0.2	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0		
Hourly Max	0.0	0.0	0.0	0.0	0.1	3.1	3.3	9.3	20.7	4.9	4.9	2.4	5.7	1.8	1.6	0.4	0.3	0.2	0.2	6.7	4.6	3.1	1.9	1.1		

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

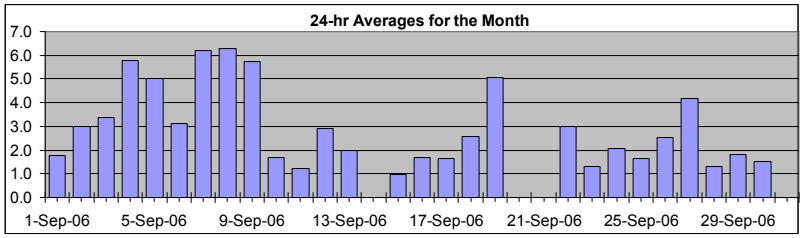
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Guideline Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	35.7	ppb	7-Sep	8:00 9:00
Maximum 24-hr Average:	6.3	ppb	8-Sep	



AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	15.1	8.6	3.9	1.9	1.0	0.3	0.0	3.0 ppb	1.9 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	3	2	2	2	A	2	3	8	4	1	1	1	0	0	0	0	0	0	1	2	2	2	2	2	1.8	7.8
2-Sep-06	2	2	3	3	A	4	4	5	11	7	4	3	1	0	1	1	1	1	2	3	3	4	2	2	3.0	11.2
3-Sep-06	4	4	4	4	A	7	11	9	7	5	4	3	2	1	1	1	1	1	1	1	1	1	2	2	3.4	10.6
4-Sep-06	3	5	5	5	A	6	18	10	7	6	5	4	4	3	3	4	4	5	5	5	6	6	9	7	5.8	17.9
5-Sep-06	6	5	5	6	A	6	6	17	17	10	9	5	4	3	2	1	1	1	1	2	2	2	2	2	5.0	17.3
6-Sep-06	2	2	2	2	A	6	9	15	8	5	4	2	0	2	1	1	0	0	1	1	2	2	2	1	3.1	15.3
7-Sep-06	7	4	3	6	A	19	6	13	36	14	11	6	3	2	1	1	1	1	1	1	1	1	1	2	6.2	35.7
8-Sep-06	2	3	3	4	A	5	14	12	9	7	11	8	7	7	7	4	4	4	5	3	4	5	8	9	6.3	14.2
9-Sep-06	10	15	7	8	A	10	15	11	17	9	6	2	1	1	1	1	1	2	3	6	4	1	1	1	5.7	16.7
10-Sep-06	1	1	2	2	A	2	4	7	4	3	1	1	1	0	0	0	0	0	1	1	1	1	1	2	1.7	6.7
11-Sep-06	1	1	2	1	A	3	3	4	5	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1.2	5.4
12-Sep-06	1	1	3	4	A	5	8	10	8	6	4	0	0	0	0	0	1	1	1	3	5	3	2	2	2.9	9.9
13-Sep-06	2	2	2	2	A	4	4	4	4	7	4	4	2	1	1	1	1	1	0	0	1	0	0	0	2.0	7.3
14-Sep-06	1	0	0	0	A	0	1	1	0	0	0	C	C	C	C	C	A	1	1	1	1	1	1	1	N	1.2
15-Sep-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.2
16-Sep-06	2	3	3	4	A	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1.7	4.4
17-Sep-06	3	2	2	1	A	1	2	3	3	2	2	1	2	1	1	1	1	1	1	1	2	2	2	2	1.7	2.8
18-Sep-06	2	2	2	3	A	3	4	3	3	4	4	4	3	3	2	2	2	2	2	2	2	1	2	2	2.6	4.2
19-Sep-06	1	2	3	2	A	3	4	5	9	8	7	7	6	5	4	3	2	2	6	8	6	8	6	7	5.1	8.7
20-Sep-06	6	5	5	5	A	8	7	6	6	7	5	6	7	7	6	P	P	P	P	P	P	P	P	P	N	8.0
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	11	10	7	5	4	N	10.7
22-Sep-06	A	A	3	3	4	4	3	6	9	7	8	2	8	3	2	0	0	0	0	1	0	1	1	1	3.0	8.5
23-Sep-06	A	A	2	2	2	2	5	3	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	4.9
24-Sep-06	A	A	1	1	1	1	3	3	4	3	2	2	1	1	1	1	1	1	1	3	3	4	5	3	2.1	5.5
25-Sep-06	A	A	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	4	4	4	3	1	1	1.6	4.3
26-Sep-06	A	A	1	2	2	2	3	4	9	6	3	2	2	1	1	1	1	1	1	2	2	2	3	5	2.5	8.6
27-Sep-06	6	5	5	4	A	5	6	11	9	4	3	3	3	3	3	3	2	4	7	6	2	1	1	1	4.2	11.1
28-Sep-06	0	1	1	1	A	3	4	3	2	1	1	0	1	1	1	1	1	1	1	1	2	1	0	0	1.3	4.1
29-Sep-06	0	1	0	0	A	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	4	5	5	3	1.8	5.2
30-Sep-06	3	1	2	4	A	5	3	3	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1.5	5.0
Hourly Avg	2.9	2.9	2.6	2.8	N	4.2	5.4	6.3	6.8	4.5	3.6	2.6	2.2	1.8	1.6	1.2	1.2	1.3	2.0	2.7	2.6	2.5	2.4	2.3		
Hourly Max	10.1	15.0	6.9	8.3	3.6	18.6	17.9	17.3	35.7	14.3	10.8	8.3	8.2	7.0	7.3	4.0	3.9	4.5	7.5	10.7	10.2	8.1	9.0	8.8		

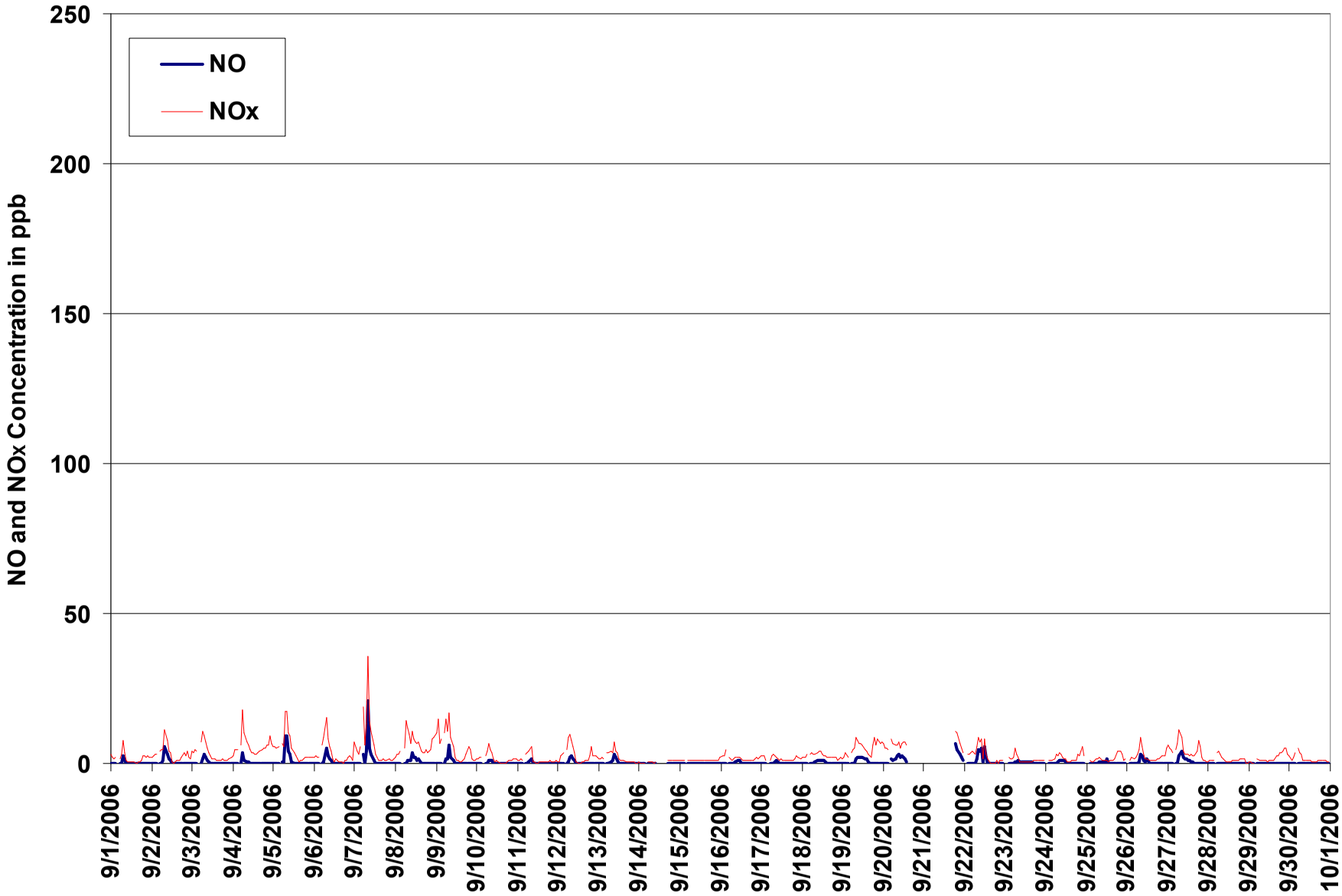


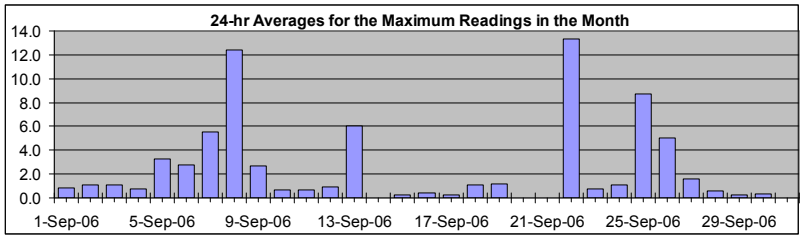
Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	149.6	ppb	22-Sep	13:00 14:00
Maximum 24-hr Value:	13.3	ppb	22-Sep	

AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	55.7	8.7	1.0	0.0	0.0	0.0	0.0	2.7 ppb	0.0 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

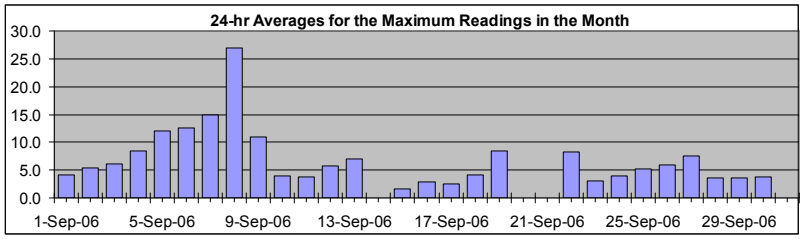
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	0	0	A	0	1	12	3	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.8	11.6
2-Sep-06	0	0	0	0	A	0	1	2	11	6	2	2	0	0	0	0	0	0	0	1	0	1	0	0	1.1	10.8
3-Sep-06	0	0	0	0	A	0	13	4	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1.1	12.9
4-Sep-06	0	0	0	0	A	0	9	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.7	8.5
5-Sep-06	0	0	0	1	A	4	2	23	20	6	15	3	0	1	0	0	0	0	0	0	0	0	0	0	3.3	22.9
6-Sep-06	0	0	0	0	A	1	8	19	8	4	1	1	0	2	19	0	0	0	0	0	0	0	0	0	2.7	19.4
7-Sep-06	0	0	0	1	A	23	1	33	41	7	16	3	0	0	1	1	0	0	0	0	0	0	0	0	5.5	40.8
8-Sep-06	0	0	0	0	A	0	1	2	3	6	63	48	71	41	49	0	0	0	0	0	0	0	0	0	12.4	71.4
9-Sep-06	0	0	0	0	A	2	11	8	33	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	2.7	32.8
10-Sep-06	0	0	0	0	A	1	0	5	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	7.5
11-Sep-06	0	0	0	0	A	2	1	5	6	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0.7	5.6
12-Sep-06	0	0	0	0	A	0	2	4	7	2	3	0	0	0	1	0	1	0	0	0	0	0	0	0	0.9	7.5
13-Sep-06	0	0	0	0	A	0	0	1	1	39	96	1	1	0	0	0	0	0	0	0	0	0	0	0	6.1	96.4
14-Sep-06	0	0	0	0	A	0	0	0	0	0	0	C	C	C	C	C	A	0	0	0	0	0	0	0	N	0.3
15-Sep-06	0	0	0	0	A	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.3	1.0
16-Sep-06	0	0	1	1	A	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	1.0
17-Sep-06	0	0	0	0	A	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	1.0
18-Sep-06	0	0	0	0	A	0	0	0	1	2	1	14	1	1	1	1	0	0	0	3	0	1	0	0	1.1	14.1
19-Sep-06	0	0	0	0	A	0	0	3	3	3	3	4	2	2	2	1	0	1	1	0	1	0	0	0	1.2	4.0
20-Sep-06	1	0	0	0	A	5	4	7	5	21	5	4	3	2	1	P	P	P	P	P	P	P	P	P	N	20.7
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	8	5	4	2	1	N	8.0
22-Sep-06	A	A	0	0	0	3	0	5	6	6	11	2	111	150	0	0	0	0	0	0	0	0	0	0	13.3	149.6
23-Sep-06	A	A	0	0	0	0	2	1	2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.7	2.2
24-Sep-06	A	A	1	1	1	0	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	3.0
25-Sep-06	A	A	0	0	1	1	1	1	1	19	25	1	137	1	1	1	1	0	1	0	0	0	0	0	8.7	136.7
26-Sep-06	A	A	0	0	1	0	1	2	22	10	3	1	68	1	0	1	1	0	0	0	0	0	0	0	5.0	68.3
27-Sep-06	0	0	0	0	A	0	1	8	9	3	2	2	2	2	2	2	1	1	1	0	1	1	0	0	1.6	9.0
28-Sep-06	0	0	0	0	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0.6	1.3
29-Sep-06	0	0	0	0	A	0	0	1	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0.3	1.0
30-Sep-06	0	0	0	0	A	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0.3	1.0
Hourly Avg	0.1	0.0	0.1	0.1	N	1.5	2.1	5.2	6.9	5.2	8.9	3.4	14.4	7.5	3.0	0.4	0.3	0.2	0.2	0.5	0.3	0.3	0.2	0.1		
Hourly Max	0.9	0.0	1.0	1.0	0.9	22.9	12.9	32.7	40.8	38.7	96.4	48.2	136.7	149.6	48.5	2.0	1.0	1.0	1.3	8.0	5.4	4.3	2.2	1.1		

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	124.1	ppb	8-Sep	10:00 11:00
Maximum 24-hr Value:	27.0	ppb	8-Sep	

AIC Time:	35 hrs	Operational Time:	652 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	96.1%

Percentile	99	95	75	50	25	5	1	Average	Median
	67.6	19.7	6.9	3.7	1.9	0.9	0.9	7.0 ppb	3.7 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	4	3	2	3	A	4	8	24	7	1	2	2	2	2	2	1	2	2	2	6	7	5	5	2	4.2	23.7
2-Sep-06	3	3	3	3	A	6	8	8	19	13	6	5	2	1	1	1	1	1	7	9	10	8	5	3	5.4	18.7
3-Sep-06	13	6	6	10	A	11	26	13	10	7	6	5	2	2	2	1	1	1	2	2	3	3	6	3	6.1	26.4
4-Sep-06	12	8	6	8	A	10	25	14	12	9	6	6	6	5	4	5	4	6	6	7	10	7	12	9	8.5	24.9
5-Sep-06	9	7	7	7	A	13	10	32	29	12	11	9	4	33	66	2	2	2	3	5	4	6	3	2	12.1	66.2
6-Sep-06	4	3	3	3	A	18	18	35	20	11	5	3	2	89	46	2	1	1	2	4	3	9	6	3	12.6	89.3
7-Sep-06	16	9	7	22	A	46	10	52	60	17	58	11	4	5	4	5	2	2	2	3	3	2	2	3	15.0	59.9
8-Sep-06	3	3	4	4	A	10	19	14	15	24	124	93	94	71	69	6	4	5	9	11	9	10	11	11	27.0	124.1
9-Sep-06	18	20	9	15	A	17	32	26	49	17	8	4	1	1	2	1	2	3	5	10	7	3	2	2	11.0	48.7
10-Sep-06	3	2	4	2	A	8	8	13	18	5	3	1	2	2	1	1	1	1	2	3	3	2	2	3	3.9	17.8
11-Sep-06	2	2	3	3	A	9	6	15	16	2	2	1	1	2	3	2	3	2	3	4	2	2	2	3	3.8	15.6
12-Sep-06	2	2	8	6	A	8	14	13	17	7	7	1	1	1	4	2	4	2	4	6	12	5	4	4	5.8	17.0
13-Sep-06	4	3	7	4	A	6	4	6	5	56	43	5	3	2	2	3	1	1	1	1	1	1	1	2	7.0	56.2
14-Sep-06	1	1	1	0	A	1	1	1	1	1	1	C	C	C	C	C	A	2	2	2	2	2	1	1	N	2.0
15-Sep-06	1	1	1	1	A	1	1	2	1	1	2	1	2	1	2	2	1	2	2	3	3	2	2	2	1.5	2.9
16-Sep-06	5	5	5	6	A	3	4	2	3	3	2	2	2	2	2	1	1	1	2	2	3	4	4	3	2.9	6.0
17-Sep-06	5	3	4	2	A	3	4	5	4	3	2	2	2	2	2	2	2	1	1	1	2	3	3	2	2.6	4.9
18-Sep-06	2	2	3	5	A	4	4	4	4	5	5	6	4	4	3	4	2	2	3	15	3	4	2	4	4.1	14.7
19-Sep-06	2	4	7	3	A	5	6	22	12	11	10	10	7	6	5	4	4	3	17	14	11	11	9	10	8.4	21.8
20-Sep-06	10	6	6	5	A	15	12	15	9	84	6	9	8	8	8	P	P	P	P	P	P	P	P	P	N	83.9
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	21	15	9	6	4	N	20.5
22-Sep-06	A	A	3	4	4	11	5	10	11	10	16	3	65	14	4	1	1	2	2	3	1	3	3	3	8.2	65.2
23-Sep-06	A	A	3	4	4	5	13	5	4	1	1	1	1	2	2	1	2	3	2	3	2	3	2	2	3.1	13.1
24-Sep-06	A	A	1	1	2	3	7	4	7	4	3	2	2	3	2	2	3	3	4	6	6	8	9	6	3.9	9.0
25-Sep-06	A	A	1	1	3	3	3	5	4	3	6	5	19	2	3	2	3	3	13	13	10	8	2	3	5.2	19.5
26-Sep-06	A	A	2	2	3	3	7	8	37	16	7	3	4	2	2	2	2	3	3	5	5	3	4	8	5.9	36.7
27-Sep-06	8	6	6	4	A	5	10	18	19	6	4	4	4	4	6	7	5	12	20	13	5	5	4	2	7.6	20.0
28-Sep-06	1	1	2	3	A	7	7	6	4	4	4	2	2	3	3	5	4	4	4	4	4	6	2	1	3.5	7.3
29-Sep-06	2	2	1	1	A	3	3	3	2	3	2	2	2	2	2	3	4	5	6	7	8	9	9	4	3.6	9.4
30-Sep-06	5	2	4	7	A	13	6	6	3	3	2	2	4	2	1	2	2	3	3	4	4	3	2	2	3.7	12.7
Hourly Avg	5.6	4.3	4.1	4.8	N	8.5	9.7	13.1	13.8	11.8	12.2	7.1	9.0	9.7	9.0	2.5	2.3	2.7	4.7	6.3	5.4	5.0	4.2	3.6		
Hourly Max	17.9	19.9	8.9	21.9	4.2	46.2	31.8	51.8	59.9	83.9	124.1	92.6	94.4	89.3	69.1	6.9	5.0	12.0	20.0	20.5	15.4	11.0	11.7	10.9		

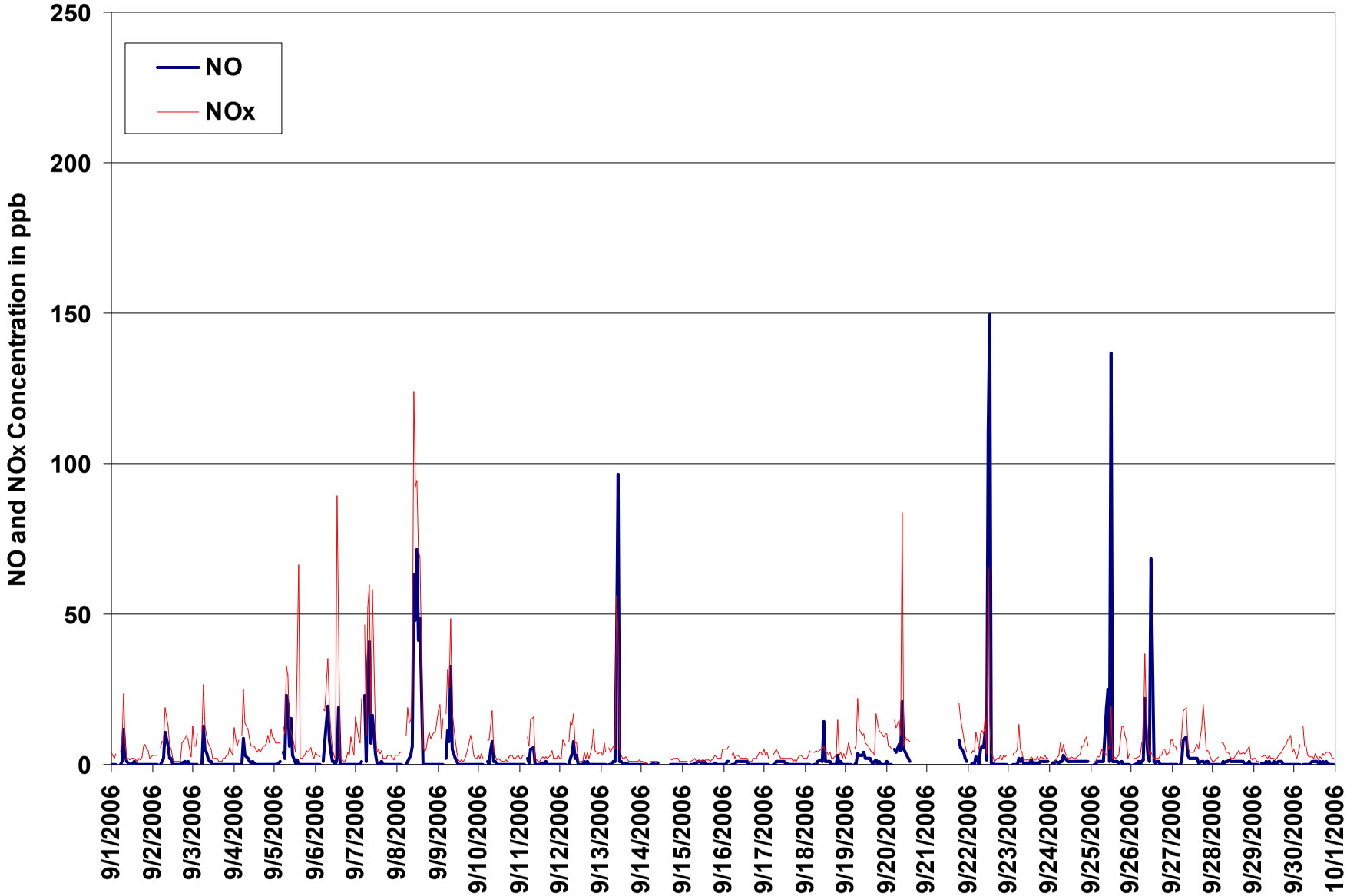


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

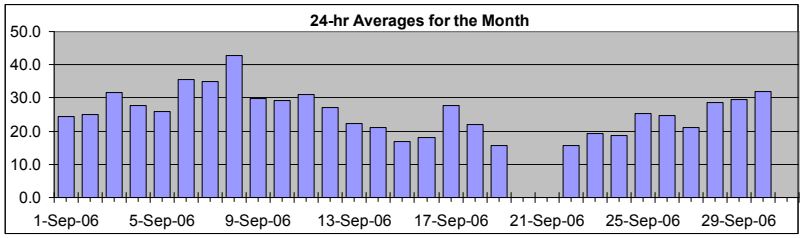
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 82 ppb | 24-hr na ppb

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	58.6	ppb	8-Sep	15:00 16:00
Maximum 24-hr Average:	42.9	ppb	8-Sep	



AIC Time:	35 hrs	Operational Time:	659 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	96.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	50.5	42.0	31.7	24.4	19.0	11.2	5.4	25.4 ppb	24.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	22	22	22	24	A	22	20	16	21	24	25	25	27	28	28	29	31	30	28	24	23	23	22	23	24.3	31.2
2-Sep-06	22	21	18	16	A	12	12	13	12	16	21	26	30	32	33	35	35	36	33	29	32	27	32	31	24.9	35.9
3-Sep-06	23	20	20	21	A	12	10	9	16	26	36	40	39	44	45	42	44	44	42	41	39	38	39	39	31.7	44.9
4-Sep-06	37	31	24	27	A	20	5	11	18	23	26	26	24	26	31	37	40	40	39	38	33	32	23	24	27.6	40.4
5-Sep-06	20	16	16	12	A	7	9	4	6	12	19	33	43	46	40	38	36	36	35	36	34	33	32	31	25.8	46.0
6-Sep-06	29	27	26	25	A	21	16	13	21	28	34	42	45	47	47	48	47	45	45	42	41	41	41	43	35.5	47.5
7-Sep-06	29	37	39	33	A	10	25	16	9	22	33	48	51	49	46	46	45	45	43	40	37	35	33	34	35.1	51.0
8-Sep-06	35	38	39	39	A	35	24	27	32	37	38	40	44	49	54	59	59	59	53	54	50	50	39	35	42.9	58.6
9-Sep-06	33	25	36	24	A	16	13	17	14	23	29	38	40	40	39	40	40	38	32	26	28	31	32	31	29.8	40.2
10-Sep-06	27	28	28	27	A	26	24	22	24	28	31	32	31	32	33	35	35	33	31	31	30	30	28	29	29.4	35.1
11-Sep-06	28	27	24	26	A	22	22	23	24	34	35	35	36	37	38	38	38	36	35	34	32	32	30	28	31.0	37.9
12-Sep-06	28	29	23	21	A	18	13	11	16	19	27	35	37	36	36	36	35	34	33	30	26	27	25	24	27.0	36.5
13-Sep-06	25	21	21	23	A	20	21	20	21	20	23	23	28	31	33	30	26	21	19	17	16	18	19	19	22.4	33.3
14-Sep-06	20	20	21	20	A	20	22	23	24	23	23	23	22	23	22	22	22	21	20	19	19	18	19	19	21.1	23.7
15-Sep-06	21	21	20	20	A	17	16	15	16	17	16	16	17	17	17	18	18	17	16	16	16	15	14	15	17.0	21.3
16-Sep-06	14	12	12	8	A	12	15	14	14	12	13	15	18	20	22	26	25	23	22	23	25	27	23	23	18.1	26.6
17-Sep-06	23	24	21	23	A	23	20	20	24	23	24	31	34	35	36	37	38	35	31	30	28	25	26	27	27.6	38.1
18-Sep-06	27	26	24	21	A	18	15	15	15	15	C	C	C	A	21	23	25	25	25	24	25	26	25	22	21.9	26.7
19-Sep-06	20	18	15	17	A	13	12	11	8	9	11	14	14	17	22	24	24	25	20	16	14	11	12	12	15.6	24.7
20-Sep-06	12	14	12	10	A	3	3	4	6	7	8	11	12	14	18	P	P	P	P	P	P	P	P	P	N	18.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	19	23	19	21	22	20	16	16	17	16	N	22.9
22-Sep-06	A	A	13	11	10	8	8	5	4	6	8	13	15	16	17	20	22	23	24	22	28	26	24	23	15.7	28.0
23-Sep-06	A	A	20	21	19	17	14	14	17	20	20	21	21	21	21	22	22	20	19	19	19	18	18	18	19.2	21.7
24-Sep-06	A	A	20	20	19	18	16	17	16	18	23	23	24	23	22	22	21	20	19	16	16	14	11	15	18.7	24.0
25-Sep-06	A	A	18	19	19	18	19	19	21	27	27	29	29	29	31	34	33	32	27	25	24	24	27	26	25.3	34.0
26-Sep-06	A	A	27	21	23	23	20	16	14	16	18	24	27	31	33	32	32	31	30	27	27	26	25	22	24.7	32.6
27-Sep-06	20	20	20	19	A	12	8	5	8	13	14	17	19	23	27	33	35	31	27	27	30	28	25	25	21.1	34.6
28-Sep-06	25	24	23	23	A	27	26	28	28	29	31	33	33	34	33	33	32	29	29	28	26	27	29	28	28.6	33.8
29-Sep-06	27	27	29	29	A	28	29	31	33	35	36	35	35	36	34	34	30	28	26	23	24	20	22	23	29.5	35.8
30-Sep-06	25	34	32	24	A	31	32	32	34	33	31	30	30	32	34	38	36	35	34	34	33	31	30	30	31.8	37.7
Hourly Avg	24.7	24.2	22.8	21.5	N	18.3	16.9	16.3	17.8	21.1	24.3	27.8	29.5	31.0	31.1	32.8	32.5	31.4	29.7	27.9	27.3	26.4	25.6	25.4		
Hourly Max	36.6	37.6	39.2	38.6	23.0	34.8	31.7	31.6	34.5	36.7	38.0	48.0	51.0	49.0	54.2	58.6	58.5	58.6	52.9	54.0	50.1	50.1	41.4	42.7		

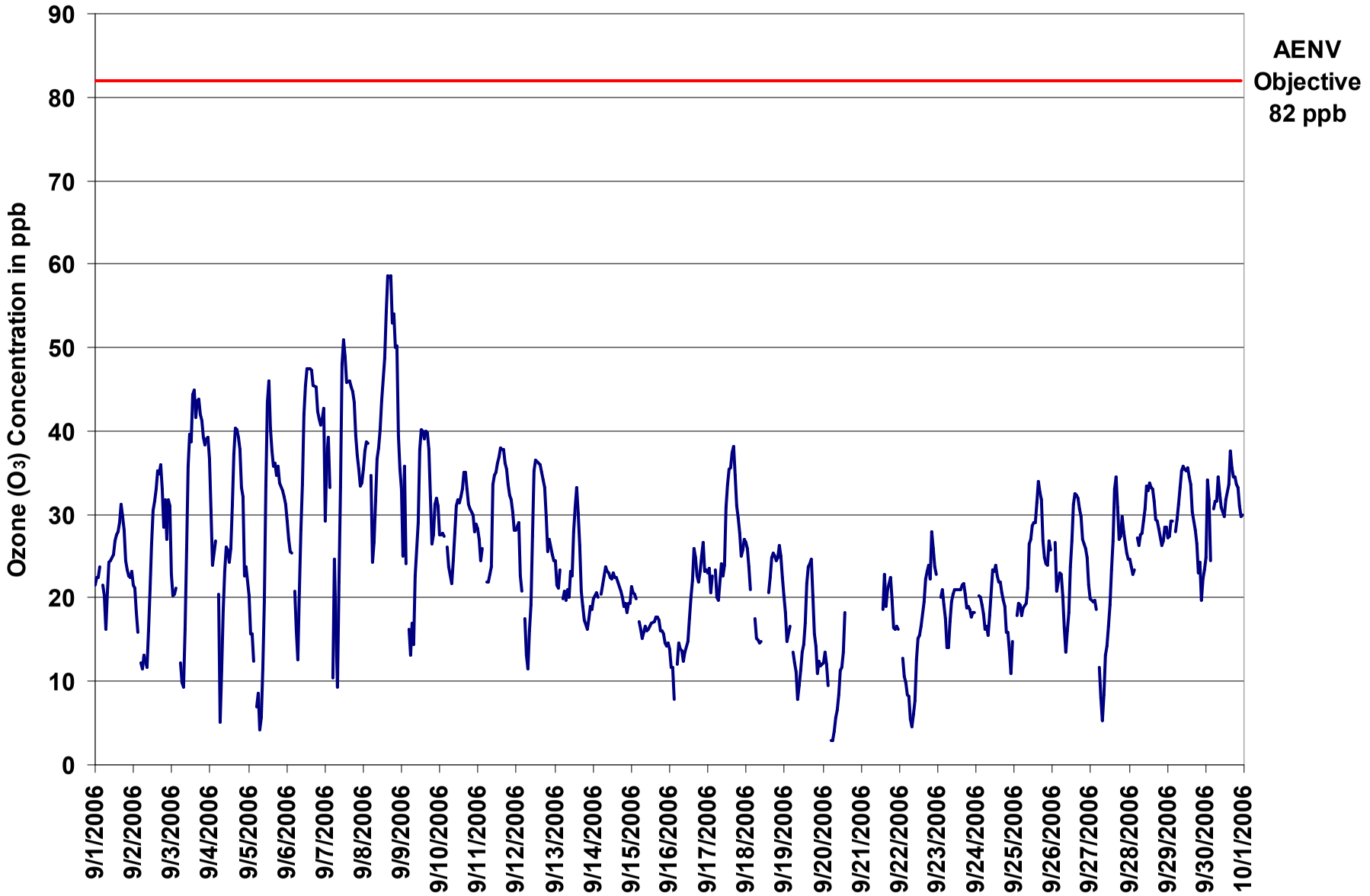


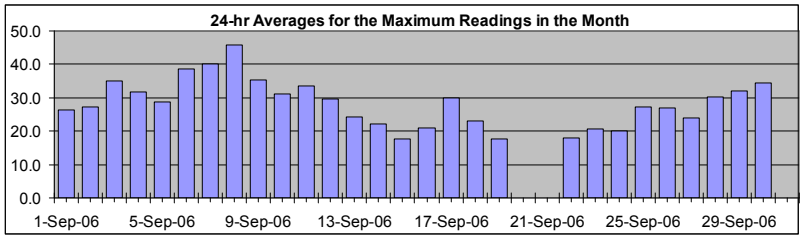
Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	60.2	ppb	8-Sep	17:00 18:00
Maximum 24-hr Value:	45.7	ppb	8-Sep	

AIC Time:	35 hrs	Operational Time:	659 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	96.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	53.7	45.3	34.2	27.3	20.8	13.5	7.6	27.9 ppb	27.3 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	23	23	26	26	A	25	23	22	24	25	25	27	28	29	29	30	33	31	30	27	27	25	24	24	26.5	33.3
2-Sep-06	22	22	20	16	A	14	13	15	15	20	23	29	32	33	35	36	36	36	36	33	35	33	34	34	27.1	36.3
3-Sep-06	30	28	23	24	A	17	14	12	21	31	39	41	41	50	49	44	45	45	43	43	41	39	40	41	34.9	50.2
4-Sep-06	39	34	29	29	A	27	21	16	23	27	29	29	25	28	36	41	41	42	41	40	39	34	34	25	31.7	41.7
5-Sep-06	22	20	19	16	A	11	10	8	9	15	25	39	48	51	42	39	37	39	37	38	35	34	34	32	28.7	51.2
6-Sep-06	32	32	26	26	A	29	21	24	26	33	38	45	47	49	49	49	49	47	47	44	43	44	44	45	38.7	49.2
7-Sep-06	46	40	41	41	A	26	30	30	21	25	44	52	53	51	48	48	48	47	46	42	39	36	34	35	40.2	52.7
8-Sep-06	37	39	39	39	A	37	28	28	36	39	40	43	47	52	59	60	60	60	57	56	53	54	47	40	45.7	60.2
9-Sep-06	46	34	38	38	A	29	31	25	24	27	33	41	41	41	40	41	42	40	36	30	33	34	33	33	35.3	46.4
10-Sep-06	30	29	29	28	A	27	27	26	28	30	34	33	33	33	34	37	36	35	33	32	31	32	30	30	31.1	36.5
11-Sep-06	30	29	29	29	A	27	24	26	33	36	36	36	37	38	39	42	39	38	38	36	33	33	31	30	33.4	41.6
12-Sep-06	30	30	30	22	A	19	17	16	18	24	35	37	38	37	38	37	37	36	35	33	30	29	27	29	29.7	37.6
13-Sep-06	28	25	23	26	A	23	21	21	22	22	24	26	31	32	35	34	29	24	20	19	17	19	19	19	24.4	35.1
14-Sep-06	21	21	21	22	A	21	23	24	25	24	24	24	24	24	23	23	23	22	21	20	21	20	20	20	22.3	24.8
15-Sep-06	23	21	21	21	A	18	17	16	17	17	16	17	17	18	18	19	18	18	17	17	16	16	15	16	17.8	22.8
16-Sep-06	17	15	14	12	A	15	17	16	15	14	15	18	21	22	25	31	27	25	23	26	30	30	25	26	20.8	30.7
17-Sep-06	26	25	24	25	A	25	21	23	27	28	28	34	36	37	37	39	40	38	34	31	30	27	27	28	30.0	40.1
18-Sep-06	27	27	25	23	A	19	17	16	15	16	C	C	C	A	22	24	26	27	26	26	26	27	27	24	23.1	27.5
19-Sep-06	21	20	17	19	A	15	14	12	11	11	13	15	16	19	24	24	25	25	25	20	17	13	13	13	17.7	25.5
20-Sep-06	14	14	14	11	A	5	5	6	7	8	13	13	13	15	20	P	P	P	P	P	P	P	P	P	N	20.2
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	23	25	20	23	25	22	19	17	18	18	N	24.6
22-Sep-06	A	A	14	13	11	11	11	8	6	7	9	16	16	16	20	22	24	26	25	28	29	28	26	25	17.8	29.3
23-Sep-06	A	A	23	23	22	20	19	17	20	21	21	22	22	22	22	22	23	22	20	20	19	19	19	19	20.7	22.7
24-Sep-06	A	A	21	21	20	19	18	18	18	19	25	24	25	24	23	23	21	21	21	19	18	16	14	17	20.2	24.9
25-Sep-06	A	A	18	20	20	19	20	21	26	27	28	31	30	31	34	36	34	34	31	27	27	27	27	28	27.1	35.7
26-Sep-06	A	A	28	26	25	23	23	19	16	18	21	27	32	33	34	33	33	32	31	31	29	27	26	25	26.9	33.6
27-Sep-06	22	21	23	21	A	14	10	8	12	15	15	20	20	28	29	38	37	35	33	33	32	30	26	26	23.9	38.2
28-Sep-06	25	25	24	25	A	30	29	30	29	31	33	34	35	35	34	35	34	31	31	31	29	29	30	30	30.2	35.2
29-Sep-06	28	30	30	30	A	29	31	33	35	36	37	36	37	37	36	35	32	31	30	27	31	30	27	28	32.0	36.7
30-Sep-06	34	36	37	31	A	35	35	35	36	35	33	32	31	33	36	39	38	36	38	35	35	32	31	32	34.5	39.3
Hourly Avg	28.1	26.8	25.1	24.3	N	21.7	20.4	19.7	21.2	23.5	27.1	29.9	31.2	32.8	33.0	34.7	34.1	33.2	32.0	30.6	29.9	28.7	27.8	27.3		
Hourly Max	46.4	40.3	41.3	41.3	25.4	36.9	34.6	35.1	36.0	38.9	44.2	52.2	52.7	51.7	59.1	59.6	60.1	60.2	56.8	56.0	53.4	54.2	46.6	45.3		

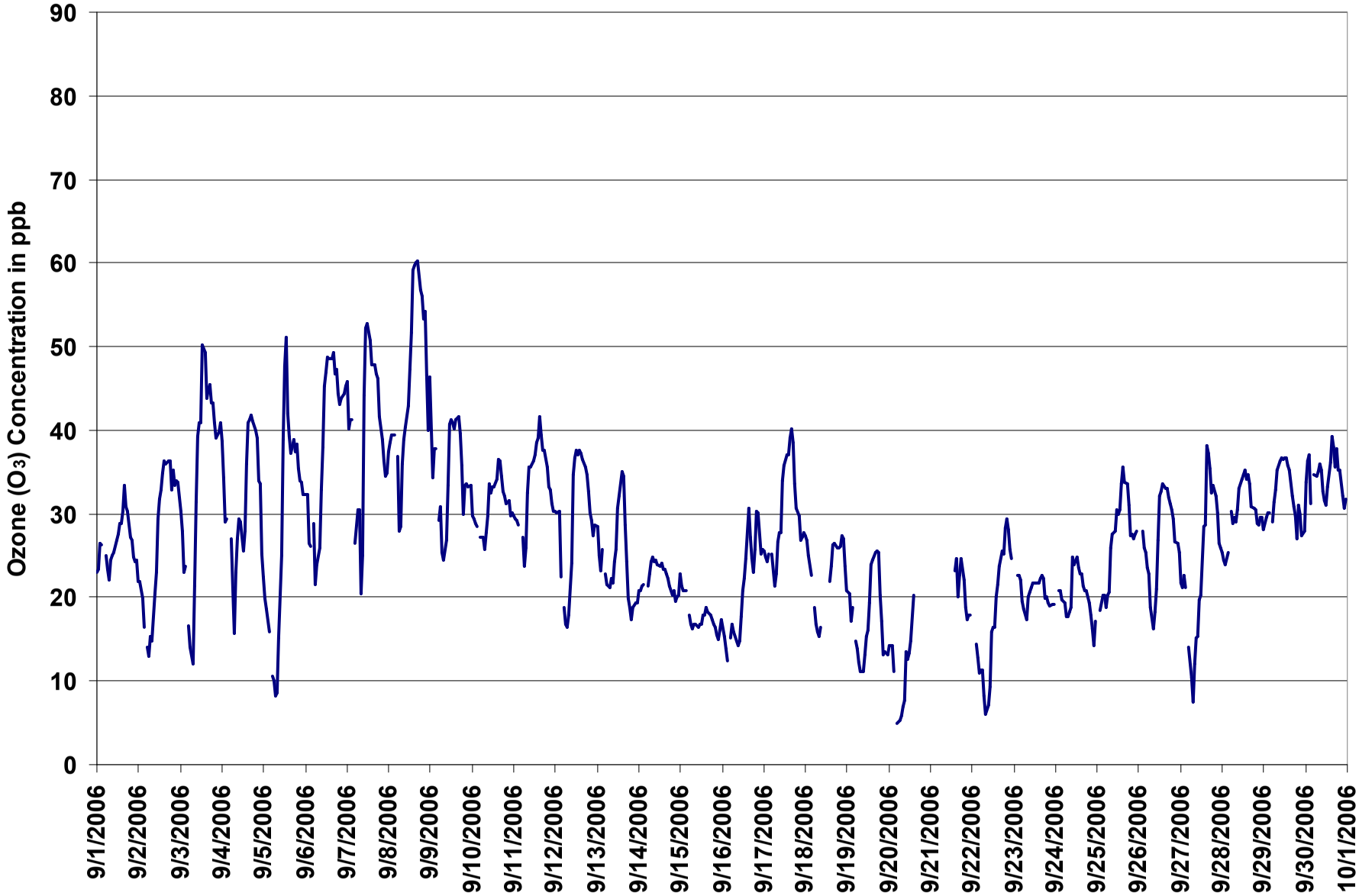
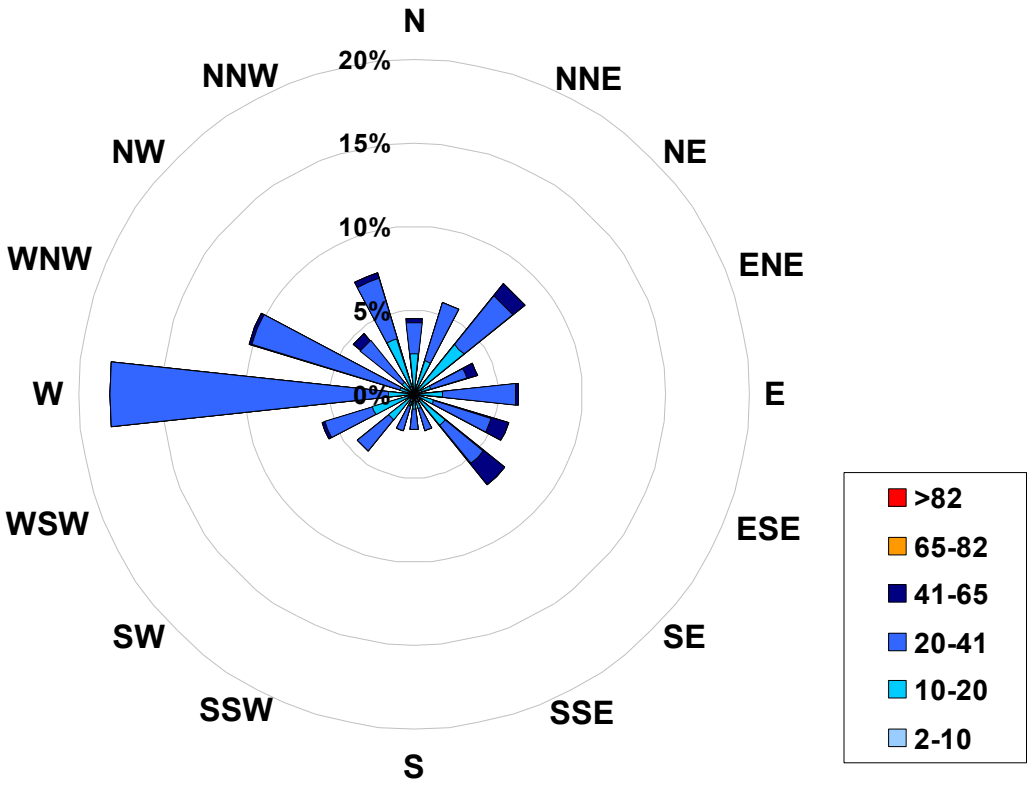


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Beaverlodge Site for September 2006



Calms: 1%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	28
10	to	20	163
20	to	41	429
41	to	65	39
65	to	82	0
	>	82	0
Total Non-Zero Values			659

PASZA - Beaverlodge - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

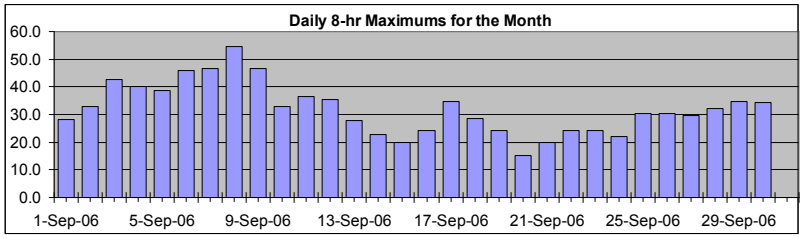
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	54.6	ppb	8-Sep	21:00 22:00



Percentile	99	95	75	50	25	5	1
	48.7	40.8	31.1	24.8	19.7	12.2	7.9

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	12	13	14	15	16	18	20	21	21	21	22	22	22	23	24	26	27	28	28	28	28	27	26	26	28.2
2-Sep-06	24	23	22	21	21	19	18	16	15	14	15	16	18	20	23	26	29	31	33	33	33	32	32	32	33.0
3-Sep-06	30	28	27	26	25	23	20	17	16	16	19	21	23	27	32	36	39	42	42	43	43	42	41	41	42.6
4-Sep-06	40	38	36	34	34	31	26	22	20	18	19	19	19	20	23	26	29	31	33	34	36	36	35	34	40.0
5-Sep-06	31	28	25	22	20	17	15	12	10	9	10	13	17	22	26	30	33	37	38	39	38	36	35	34	38.7
6-Sep-06	33	32	31	30	29	27	25	22	21	21	22	25	27	31	35	39	42	44	46	46	46	45	44	43	46.0
7-Sep-06	41	40	39	38	38	33	31	27	24	22	21	23	27	32	34	38	43	45	47	46	44	42	41	39	46.7
8-Sep-06	38	37	36	36	36	36	35	34	33	33	33	33	34	36	40	44	47	50	52	54	54	55	53	50	54.6
9-Sep-06	47	42	40	37	35	30	26	23	21	20	19	21	24	27	30	33	36	38	38	37	35	34	33	32	46.7
10-Sep-06	31	29	29	29	29	28	27	26	26	26	26	27	27	28	29	31	32	33	33	33	33	32	32	31	32.8
11-Sep-06	30	29	28	28	27	26	25	25	24	25	26	28	29	31	33	34	36	37	37	36	36	35	34	33	36.6
12-Sep-06	32	31	29	28	27	25	23	20	19	17	18	20	22	24	27	30	33	35	35	35	33	32	31	29	35.3
13-Sep-06	28	26	25	24	24	23	22	22	21	21	21	21	22	23	25	26	27	27	26	26	24	23	21	19	28.0
14-Sep-06	19	18	19	19	19	20	20	21	21	22	22	22	22	23	23	23	23	22	22	21	21	21	20	20	22.9
15-Sep-06	20	20	20	20	20	20	19	19	18	17	17	16	16	16	16	17	17	17	17	17	17	17	16	16	19.9
16-Sep-06	15	15	14	13	13	12	12	12	12	12	13	14	14	15	16	18	19	20	21	22	23	24	24	24	24.2
17-Sep-06	24	24	24	24	23	23	22	22	22	22	22	24	25	26	28	30	32	34	35	34	34	32	31	30	34.6
18-Sep-06	28	27	26	25	25	24	22	21	19	17	N	N	N	N	N	N	N	N	N	N	24	24	25	25	28.5
19-Sep-06	24	23	22	21	21	19	17	15	13	12	12	11	12	12	13	15	17	19	20	20	20	19	18	17	24.2
20-Sep-06	15	14	13	12	12	11	9	8	7	6	6	6	7	8	10	11	N	N	N	N	N	N	N	N	15.3
21-Sep-06	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	20	20	19	18	20.0
22-Sep-06	18	N	N	N	N	N	N	N	9	8	8	8	8	9	10	12	14	17	19	20	21	23	24	24	24.0
23-Sep-06	24	N	N	N	N	N	N	N	18	18	18	18	18	19	19	20	21	21	21	21	20	20	20	19	24.3
24-Sep-06	19	N	N	N	N	N	N	N	18	18	18	19	19	20	21	21	22	22	22	21	20	19	17	16	22.2
25-Sep-06	16	N	N	N	N	N	N	N	19	20	21	22	24	25	27	28	30	30	30	30	29	29	28	27	30.4
26-Sep-06	26	N	N	N	N	N	N	N	21	20	19	19	20	21	22	24	27	28	30	30	30	30	29	27	30.3
27-Sep-06	26	24	23	22	21	19	17	15	13	12	11	11	12	14	16	19	23	25	26	28	29	30	30	28	29.7
28-Sep-06	27	26	26	25	25	25	25	25	26	26	27	29	29	30	31	32	32	32	32	31	31	30	29	29	32.3
29-Sep-06	28	28	28	28	28	28	28	29	30	31	32	33	33	34	35	35	34	34	32	31	29	27	26	25	34.8
30-Sep-06	24	25	25	26	26	27	29	30	31	31	31	32	31	32	32	33	33	33	33	34	34	34	34	33	34.3
Hourly Max	46.7	42.5	40.3	38.1	37.6	36.0	34.7	33.7	33.2	33.0	32.9	33.2	34.5	36.2	40.0	44.0	47.3	50.1	51.9	53.6	54.5	54.6	52.8	49.9	

PASZA - Beaverlodge - Particulate Matter (less than 2.5 microns) Monthly Summary

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

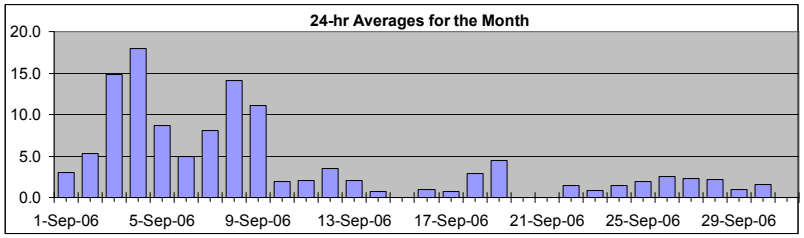
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Draft Objective Limit: **Alberta Environment:** 1-hr - µg/m³ 24-hr 30 µg/m³

Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	34.0	µg/m³	3-Sep	10:00 11:00
Maximum 24-hr Value:	17.9	µg/m³	4-Sep	



AIC Time:	0 hrs	Operational Time:	673 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	93.9%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	22.3	18.0	5.2	2.4	0.6	0.0	0.0	4.4 / 2 µg/m³	2.5 µg/m³

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	2	3	3	3	1	2	2	6	3	0	D	0	0	0	0	0	0	0	6	9	9	8	8	5	3.0	9.4
2-Sep-06	5	5	5	6	4	4	4	4	3	0	8	4	D	0	4	4	2	3	4	11	15	13	6	8	5.3	14.6
3-Sep-06	6	10	10	7	15	11	12	16	19	25	34	28	14	9	12	9	14	14	16	12	11	9	21	18	14.8	34.0
4-Sep-06	18	17	19	16	17	18	19	18	17	18	9	14	16	15	17	16	19	20	21	21	20	26	21	18	17.9	26.3
5-Sep-06	13	10	11	11	12	14	10	17	21	14	13	13	15	0	1	6	2	3	3	1	9	5	3	4	8.7	20.6
6-Sep-06	4	5	6	4	5	4	6	9	13	5	7	D	0	5	0	0	2	0	2	3	10	9	11	4	4.9	13.4
7-Sep-06	12	7	5	7	6	9	9	12	19	18	12	4	2	5	3	7	5	6	8	5	10	8	6	4	8.0	19.5
8-Sep-06	4	5	6	7	8	7	13	13	10	9	10	14	18	15	19	20	20	25	20	17	15	18	22	22	14.1	25.3
9-Sep-06	21	27	20	19	21	21	17	11	14	8	4	0	2	3	7	7	10	7	11	20	12	0	1	2	11.1	26.7
10-Sep-06	2	1	2	3	3	4	3	4	7	4	D	4	0	0	1	0	0	0	1	1	0	1	2	3	2.0	6.6
11-Sep-06	0	2	0	1	2	0	2	1	0	D	0	D	D	0	0	2	9	3	3	6	3	5	2	2	2.0	8.9
12-Sep-06	1	0	0	3	1	2	3	9	7	6	1	D	D	D	0	0	1	1	0	2	11	8	10	7	3.5	10.6
13-Sep-06	2	4	3	2	1	1	3	4	3	4	2	4	2	0	0	4	0	0	0	1	1	2	3	2	2.0	4.4
14-Sep-06	0	0	0	0	0	0	0	0	0	0	1	D	D	D	D	9	3	1	0	0	0	0	0	0	0.7	8.8
15-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
16-Sep-06	1	1	0	2	0	1	1	2	2	3	2	2	0	2	0	0	2	1	0	1	0	1	0	0	1.0	2.6
17-Sep-06	0	0	0	0	0	0	1	2	2	2	0	0	0	D	D	D	0	0	1	0	1	3	1	1	0.7	2.7
18-Sep-06	0	1	1	2	2	1	3	5	3	4	D	3	4	C	C	C	5	3	3	4	4	4	4	3	2.9	5.1
19-Sep-06	3	2	3	3	3	3	3	4	4	3	3	6	4	4	4	4	5	4	7	9	8	7	7	6	4.4	8.9
20-Sep-06	6	5	5	4	4	2	2	0	1	0	1	3	2	2	2	P	P	P	P	P	P	P	P	P	N	6.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	4	7	7	6	5	7	5	4	2	N	7.1
22-Sep-06	3	3	3	2	2	1	1	2	5	2	1	1	0	0	1	1	0	2	2	2	1	0	1	0	1.5	4.6
23-Sep-06	1	1	2	0	2	1	1	1	0	0	0	D	0	1	1	1	0	0	2	1	0	1	2	2	0.9	2.3
24-Sep-06	1	1	0	2	3	1	2	3	2	2	0	2	2	0	0	0	3	0	1	2	2	2	2	1	1.5	3.1
25-Sep-06	1	1	1	1	0	1	0	0	0	0	0	1	0	1	1	2	4	0	4	6	6	7	4	4	1.9	6.6
26-Sep-06	5	5	5	5	3	2	3	4	4	2	2	0	0	0	0	0	0	1	3	3	2	5	3	2	2.5	5.2
27-Sep-06	2	1	2	2	2	3	3	3	3	0	1	0	0	4	4	1	0	3	8	4	3	1	3	1	2.2	8.5
28-Sep-06	3	2	1	2	2	1	1	2	1	2	0	1	2	2	1	3	2	4	3	4	4	4	3	3	2.2	3.8
29-Sep-06	0	1	1	1	1	1	0	1	0	2	1	1	2	0	2	3	1	2	0	0	0	2	0	1	1.0	2.6
30-Sep-06	1	0	3	3	3	3	4	4	0	0	0	0	0	0	D	0	2	1	3	5	3	0	1	1	1.6	4.7
Hourly Avg	4.0	4.1	4.1	4.1	4.2	4.0	4.4	5.4	5.6	4.8	4.3	4.4	3.5	2.7	3.2	3.8	4.0	3.8	4.8	5.3	5.8	5.2	5.3	4.4		
Hourly Max	20.8	26.7	20.5	19.1	20.9	20.7	19.5	17.6	20.6	25.2	34.0	28.3	17.7	15.4	19.1	19.8	19.8	25.3	21.4	20.6	20.1	26.3	22.4	22.2		

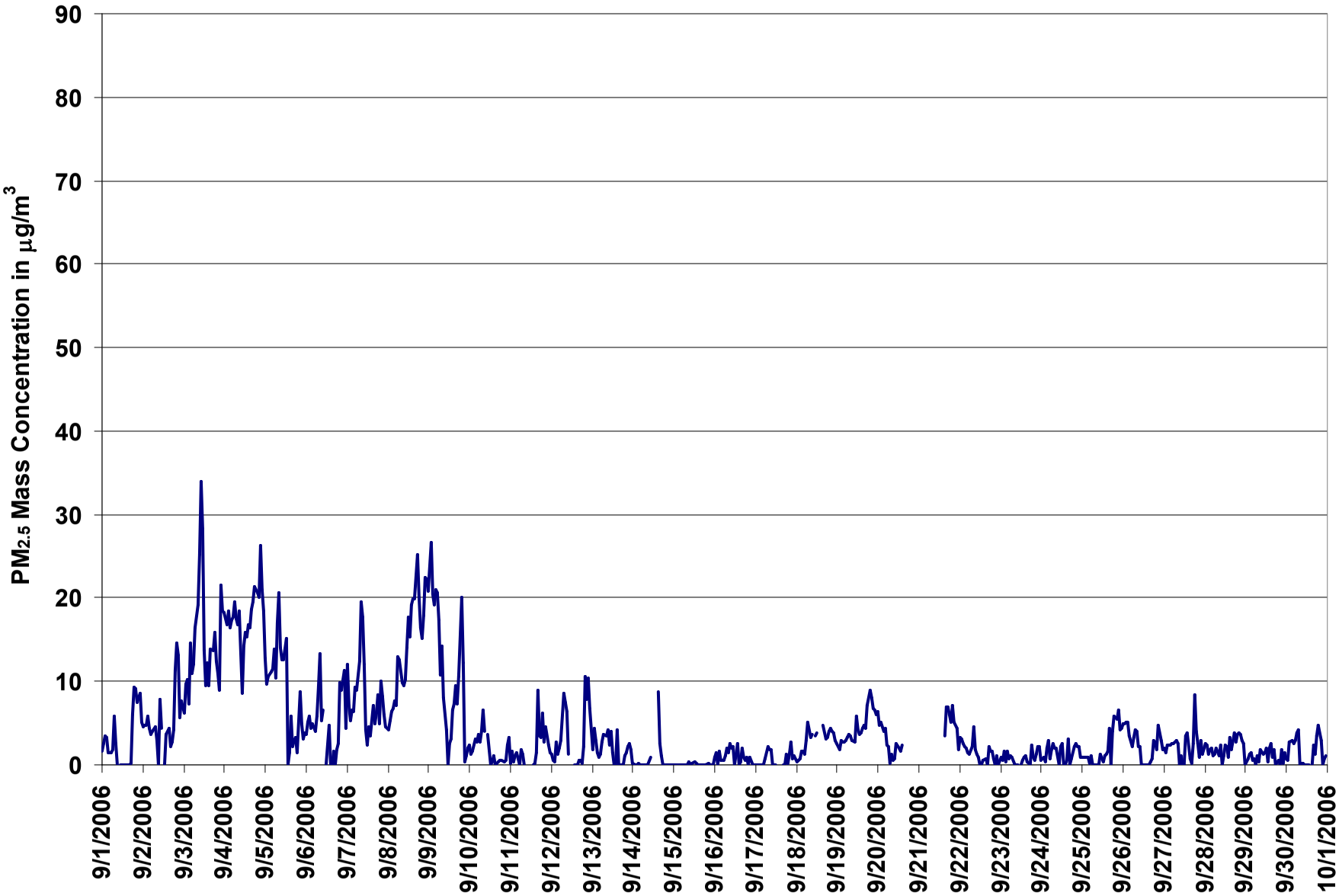


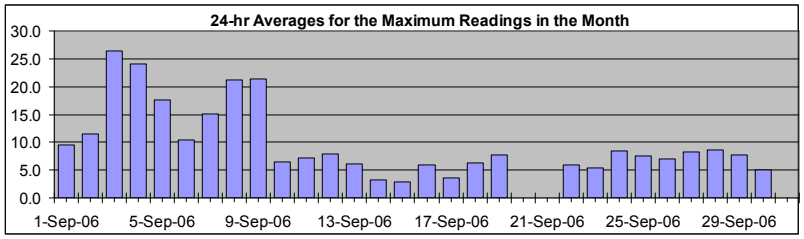
Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	57.3	µg/m³	8-Sep	12:00 13:00
Maximum 24-hr Value:	26.4	µg/m³	3-Sep	

AIC Time:	0 hrs	Operational Time:	673 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	93.9%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	40.0	26.1	12.1	7.5	4.8	1.7	0.6	10.0 7 µg/m˘	8.4 µg/m˘

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	3	4	7	7	6	5	5	10	10	1	D	10	10	5	8	7	12	14	15	15	27	12	15	9	9.5	26.8
2-Sep-06	8	7	7	7	6	6	6	9	7	4	20	12	D	12	21	11	10	7	11	21	22	21	15	13	11.5	21.8
3-Sep-06	12	17	18	11	21	16	16	22	49	33	54	55	32	23	24	30	30	24	36	18	17	12	37	29	26.4	54.8
4-Sep-06	23	23	23	20	23	21	23	23	20	27	16	25	22	23	27	25	24	26	28	26	26	36	27	24	24.1	35.9
5-Sep-06	16	18	18	18	16	25	15	40	38	19	18	19	20	18	11	21	10	14	11	11	17	10	7	8	17.5	40.3
6-Sep-06	7	8	9	7	6	6	10	13	19	16	12	D	11	11	7	5	10	6	10	17	17	11	14	7	10.4	19.2
7-Sep-06	24	11	8	9	10	17	12	22	24	23	25	17	9	11	16	17	12	14	16	12	20	15	11	6	15.1	24.8
8-Sep-06	6	7	8	8	10	9	23	20	12	14	18	17	57	22	26	25	26	51	28	22	24	24	25	30	21.3	57.3
9-Sep-06	31	36	25	27	33	40	29	30	44	28	13	13	10	8	11	13	21	12	19	29	22	4	7	8	21.4	43.6
10-Sep-06	8	3	3	5	5	9	5	10	15	8	D	12	8	8	7	1	9	6	6	3	2	3	8	5	6.5	14.5
11-Sep-06	3	6	5	5	4	5	9	5	3	D	1	D	D	2	5	9	34	10	8	10	5	10	6	6	7.2	34.0
12-Sep-06	6	2	4	5	4	4	7	11	14	10	8	D	D	D	12	8	4	5	3	6	17	12	14	9	7.9	16.9
13-Sep-06	4	7	5	4	3	5	4	6	6	7	7	10	7	3	0	20	9	1	2	4	4	10	14	8	6.2	19.5
14-Sep-06	3	1	2	4	1	1	1	0	2	6	6	D	D	D	D	21	5	4	1	1	1	2	2	2	3.3	20.8
15-Sep-06	1	2	1	1	1	1	2	2	5	5	3	5	4	4	4	4	2	2	3	4	4	3	3	4	2.9	5.5
16-Sep-06	7	5	6	7	7	6	9	9	12	9	6	5	3	8	3	4	8	5	4	3	5	4	3	2	5.9	12.1
17-Sep-06	2	2	3	0	1	1	5	6	5	8	6	4	3	D	D	D	4	6	4	2	3	5	2	3	3.6	8.3
18-Sep-06	2	2	3	4	3	4	5	13	5	6	D	11	11	C	C	C	14	7	5	7	6	5	5	5	6.3	13.5
19-Sep-06	7	7	8	6	7	6	6	7	7	8	8	7	6	5	17	6	6	6	12	12	10	8	8	7	7.8	16.5
20-Sep-06	8	8	9	7	8	5	5	6	7	6	7	4	3	3	4	P	P	P	P	P	P	P	P	P	N	8.8
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	13	12	10	11	9	10	11	12	11	N	12.7
22-Sep-06	12	10	6	5	4	5	3	4	9	6	9	4	4	3	10	14	6	4	4	4	2	2	4	4	5.9	14.5
23-Sep-06	4	5	4	5	6	6	5	5	2	6	5	D	4	3	4	4	4	4	4	7	6	8	12	12	5.4	12.4
24-Sep-06	8	13	11	14	14	4	4	5	4	9	2	8	10	6	7	11	17	6	8	11	4	9	10	10	8.5	17.0
25-Sep-06	8	6	3	6	5	8	5	8	8	2	5	9	12	7	7	9	8	5	7	10	11	13	11	7	7.5	13.4
26-Sep-06	7	8	7	8	9	8	8	10	9	7	6	2	1	4	7	6	9	11	15	6	4	6	7	6	7.1	15.2
27-Sep-06	6	6	6	6	6	7	8	9	6	6	3	1	6	11	12	6	7	14	19	9	12	7	14	8	8.2	19.1
28-Sep-06	11	12	5	5	7	2	5	8	9	7	10	9	7	9	9	10	8	12	5	8	14	13	8	10	8.6	14.3
29-Sep-06	7	7	11	6	7	12	8	13	12	11	9	8	9	8	11	11	3	12	2	2	2	5	2	6	7.6	12.7
30-Sep-06	4	3	7	5	4	5	6	7	2	2	3	0	1	0	D	2	14	12	7	7	4	4	7	8	5.0	13.8
Hourly Avg	8.5	8.5	8.0	7.7	8.2	8.6	8.6	11.5	12.5	10.6	10.7	11.2	10.8	8.8	10.8	11.6	11.7	10.7	10.5	10.3	11.0	9.9	10.7	9.2		
Hourly Max	31.2	36.2	24.8	27.0	33.4	39.8	29.2	40.3	48.9	33.5	54.4	54.8	57.3	23.4	26.6	30.1	34.0	51.1	35.5	28.8	26.8	35.9	37.4	29.6		

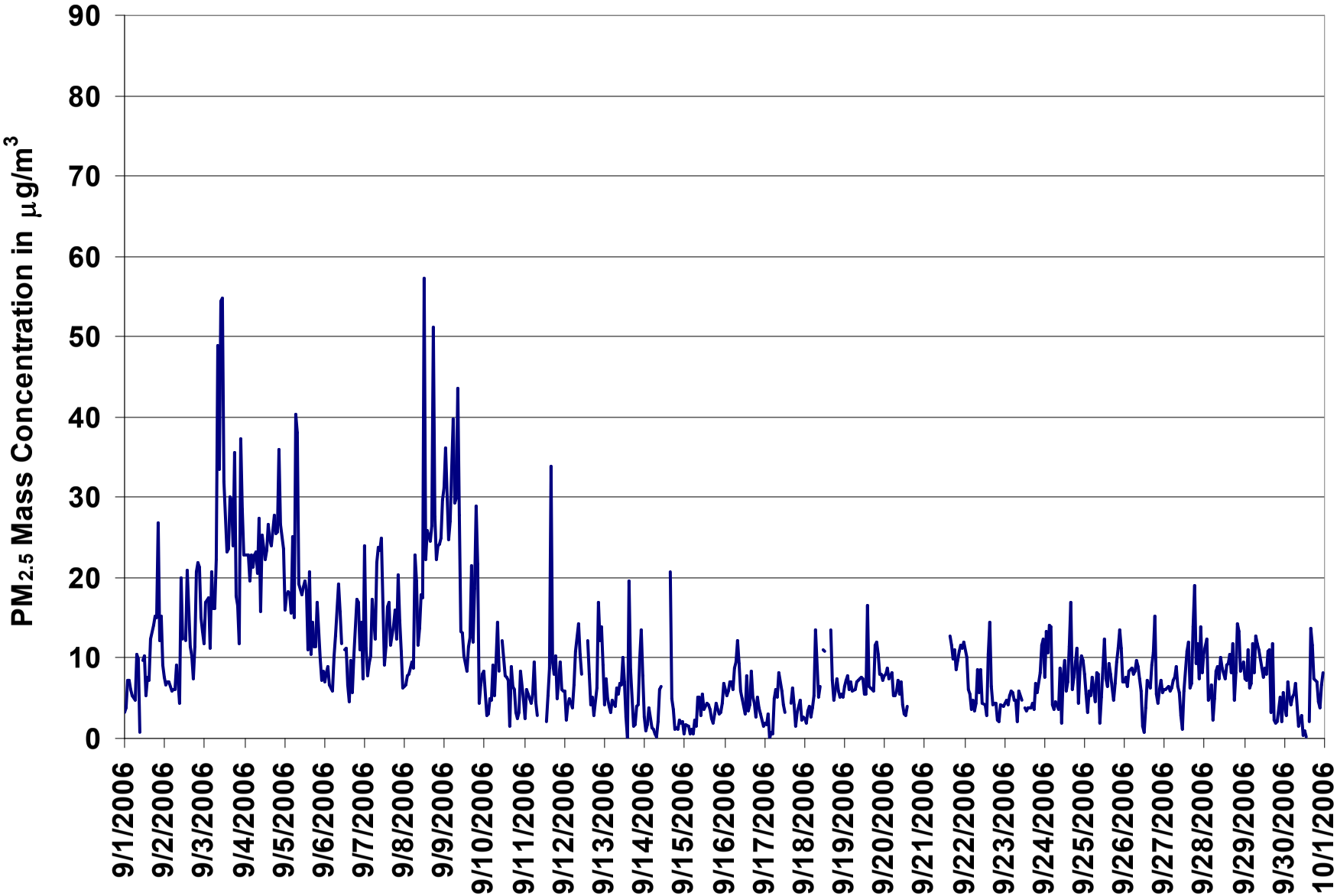
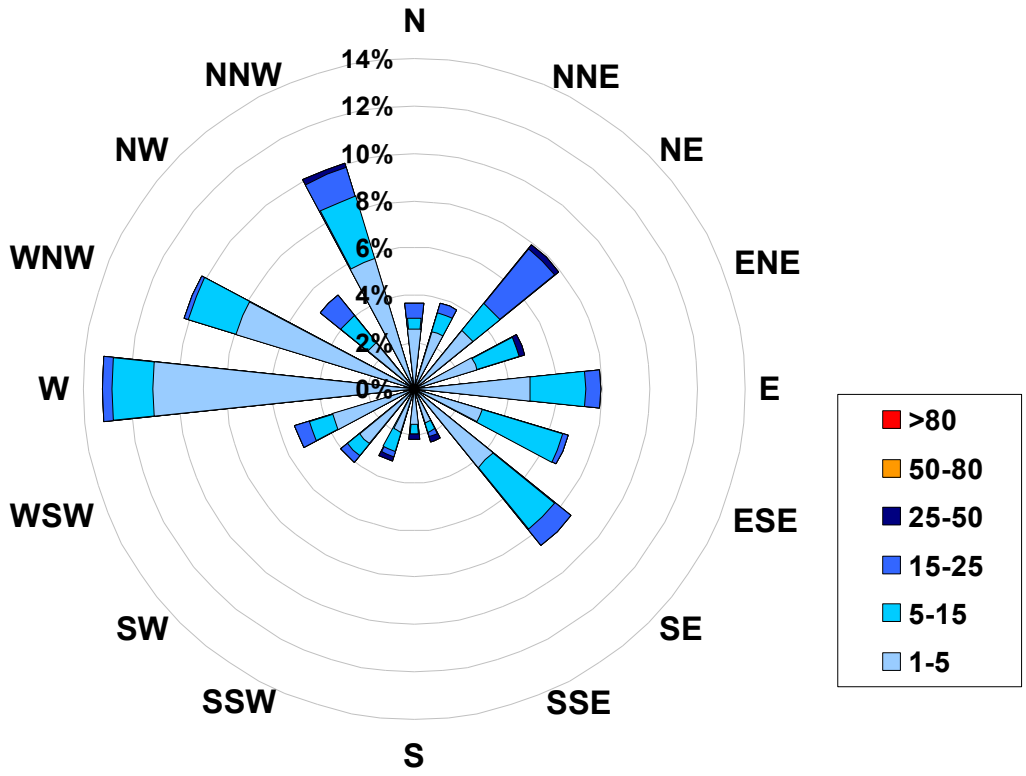


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Beaverlodge Site for September 2006



Calms:	1%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	494
5	to	15	124
15	to	25	49
25	to	50	6
50	to	80	0
	>	80	0
Total Non-Zero Values			673

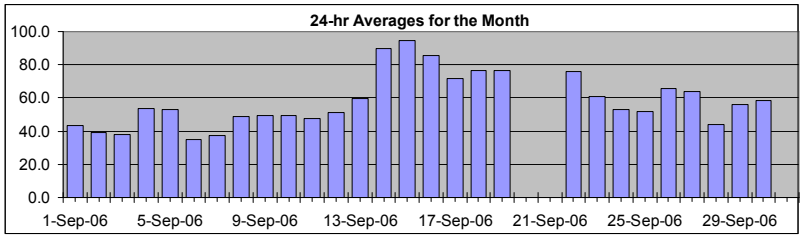
PASZA - Beaverlodge - Relative Humidity Monthly Summary

HOURLY AVERAGE TABLE

Relative Humidity (RH)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	97.1	%	15-Sep	4:00 5:00
Maximum 24-hr Value:	94.3	%	15-Sep	

AIC Time:	0 hrs	Operational Time:	698 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	96.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	96.2	93.7	76.8	59.2	43.0	23.1	16.4	59.1 %	59.2 %

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	58	62	65	63	65	70	68	59	49	41	37	33	31	29	27	23	22	23	25	31	38	41	44	46	43.6	70.0
2-Sep-06	52	54	61	62	65	69	69	54	47	41	34	27	20	19	19	19	18	19	21	26	32	37	35	36	38.9	69.3
3-Sep-06	46	55	55	56	71	72	72	68	51	38	31	25	23	21	18	15	16	17	22	25	26	26	29	31	37.9	72.1
4-Sep-06	39	45	57	56	66	68	76	72	63	52	45	44	48	46	40	35	38	42	46	50	56	61	71	74	53.7	76.3
5-Sep-06	80	87	87	93	94	94	92	87	81	69	55	47	36	25	18	17	17	17	21	23	27	31	35	37	53.0	94.5
6-Sep-06	41	50	54	57	60	63	67	60	46	36	30	20	16	16	14	14	14	15	16	21	26	29	32	32	34.7	67.4
7-Sep-06	43	39	40	44	53	68	63	58	57	43	33	27	21	20	19	20	22	23	25	28	30	35	43	47	37.4	67.6
8-Sep-06	50	51	53	56	60	64	69	63	58	54	51	48	40	34	32	30	29	32	39	40	45	50	59	64	48.9	69.2
9-Sep-06	68	73	71	82	82	88	82	67	60	44	35	28	24	24	25	24	27	29	34	42	43	42	44	45	49.3	88.1
10-Sep-06	51	52	57	63	64	68	69	65	54	44	37	38	41	38	35	35	33	36	41	46	53	54	60	60	49.7	69.3
11-Sep-06	62	67	71	68	76	75	72	62	49	34	31	30	28	26	26	30	29	29	32	41	47	48	54	59	47.9	76.3
12-Sep-06	63	61	72	77	79	83	83	79	65	53	41	35	30	28	27	29	30	31	31	36	43	48	53	56	51.4	83.2
13-Sep-06	58	67	70	66	66	71	67	64	59	58	53	55	53	46	39	49	52	50	53	59	64	66	71	78	59.8	77.9
14-Sep-06	80	82	83	88	90	90	89	88	85	86	88	89	87	86	89	92	93	93	94	94	95	96	96	96	89.5	96.3
15-Sep-06	96	96	97	97	97	97	96	94	93	94	93	94	94	91	91	91	91	93	95	96	95	94	94	95	94.3	97.1
16-Sep-06	94	95	95	95	94	93	89	89	87	87	87	82	80	78	75	74	77	80	76	79	83	83	87	88	85.4	95.1
17-Sep-06	87	87	89	91	89	91	93	88	79	79	74	65	61	55	50	47	46	48	54	62	66	71	72	73	71.4	93.3
18-Sep-06	76	79	82	84	86	87	87	86	84	82	80	82	77	71	68	66	64	63	65	70	73	72	73	76	76.3	86.9
19-Sep-06	79	81	83	82	83	84	85	84	84	82	78	72	71	69	57	61	64	63	69	77	82	83	83	83	76.6	84.6
20-Sep-06	86	87	90	91	94	95	94	92	85	79	76	69	69	68	70	P	P	P	P	P	P	P	P	P	N	95.4
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	82	79	75	79	73	69	74	80	85	86	88	N	87.6
22-Sep-06	89	90	91	93	95	96	96	96	92	87	80	72	63	63	62	56	51	53	58	62	64	70	74	75	76.1	96.4
23-Sep-06	78	81	82	78	80	79	79	75	61	51	47	44	41	40	43	43	46	53	58	59	61	64	59	57	60.8	81.6
24-Sep-06	56	53	55	56	58	61	65	70	70	61	51	46	46	35	36	36	40	44	46	51	53	56	62	59	52.8	70.3
25-Sep-06	58	56	54	56	60	64	64	65	60	48	44	44	40	39	36	32	36	41	46	53	55	61	63	68	51.7	68.3
26-Sep-06	73	70	73	81	80	77	80	81	79	73	76	67	57	47	42	41	45	48	54	61	64	65	68	72	65.7	81.4
27-Sep-06	77	81	82	84	88	90	92	89	76	69	66	58	54	46	43	37	39	44	48	51	49	55	58	59	64.0	92.2
28-Sep-06	56	57	57	55	50	45	46	44	43	39	34	32	34	34	34	34	34	40	44	49	53	53	47	45	44.1	57.0
29-Sep-06	48	49	45	46	47	49	48	47	45	43	39	40	43	43	55	65	74	78	74	78	73	77	69	68	55.9	78.1
30-Sep-06	66	52	55	64	65	59	68	70	67	65	61	59	55	48	41	36	45	51	55	58	64	64	67	67	58.5	70.1
Hourly Avg	65.8	67.6	69.9	71.9	74.5	76.2	76.6	73.0	66.5	59.7	54.7	50.8	47.7	45.5	43.7	42.3	43.9	45.7	48.6	53.2	56.5	59.1	61.6	63.2		
Hourly Max	96.1	96.2	96.7	97.0	97.1	97.0	96.4	95.9	93.1	93.9	93.2	93.7	93.8	90.7	90.9	91.6	93.4	93.5	95.3	95.6	95.1	96.1	96.3	96.2		

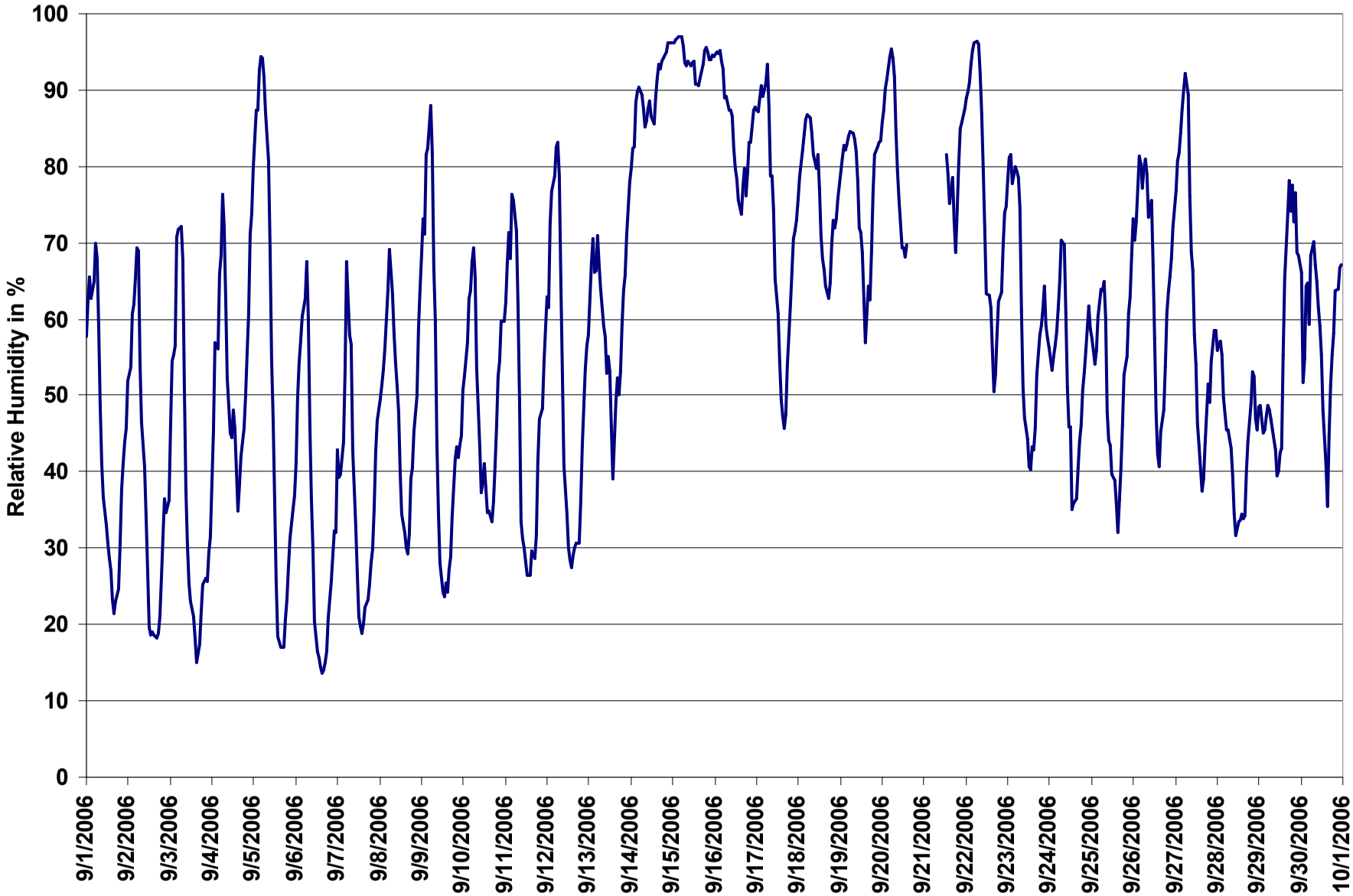


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

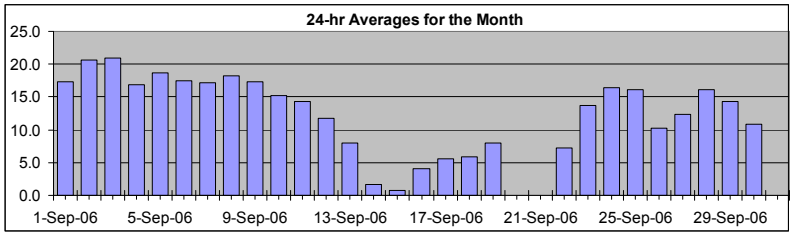
PASZA - Beaverlodge - Temperature Monthly Summary

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.8	°C	3-Sep	15:00 16:00
Maximum 24-hr Value:	20.9	°C	3-Sep	

AIC Time:	0 hrs	Operational Time:	698 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	96.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	29.3	25.5	17.4	12.1	7.2	1.4	0.3	12.6 °C	12.1 °C

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	9	9	8	10	9	8	9	12	16	19	20	22	23	23	24	26	26	26	25	22	19	18	17	16	17.3	26.0
2-Sep-06	15	15	13	13	12	11	11	15	17	19	22	25	28	28	28	29	30	29	28	25	22	20	21	20	20.6	29.6
3-Sep-06	16	14	14	13	10	9	9	10	16	19	22	26	28	29	30	31	31	30	28	26	24	23	23	22	20.9	30.8
4-Sep-06	19	17	14	14	12	11	10	11	14	17	18	18	18	19	21	23	22	22	21	20	18	18	15	15	16.9	23.1
5-Sep-06	13	11	11	9	9	9	10	11	12	16	20	23	26	29	30	30	29	28	26	23	21	19	18	17	18.7	29.8
6-Sep-06	15	12	11	10	9	9	7	9	14	17	20	23	24	25	26	26	26	26	23	20	18	17	16	16	17.5	26.4
7-Sep-06	12	13	13	12	9	6	7	9	10	15	19	22	24	25	26	26	25	25	23	21	20	19	18	17	17.2	25.7
8-Sep-06	16	16	15	14	13	12	11	12	14	16	17	18	21	23	25	26	27	26	24	22	20	19	16	15	18.3	26.6
9-Sep-06	14	13	13	10	9	8	9	11	13	17	20	23	24	24	24	25	24	23	21	19	18	18	17	17	17.3	25.1
10-Sep-06	16	15	13	12	11	10	10	10	14	17	19	19	18	19	20	19	20	19	18	16	14	13	12	12	15.3	20.2
11-Sep-06	11	10	9	10	8	8	9	11	14	17	18	19	20	21	21	19	18	19	18	15	14	13	12	11	14.3	20.6
12-Sep-06	10	10	7	7	6	5	4	5	9	12	16	17	18	18	19	18	17	17	16	13	11	9	8	7	11.7	18.6
13-Sep-06	7	5	4	6	5	4	5	6	7	8	10	10	11	13	14	12	12	11	10	8	7	6	5	4	7.9	14.5
14-Sep-06	4	3	3	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	0	0	0	0	1.6	3.9
15-Sep-06	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	0.8	2.0
16-Sep-06	2	1	1	1	2	2	3	3	3	3	4	5	6	6	7	7	6	6	6	5	5	4	4	3	4.0	6.9
17-Sep-06	3	3	3	2	1	1	0	2	4	4	5	8	9	10	11	11	11	11	9	7	6	5	5	5	5.6	11.2
18-Sep-06	4	4	3	3	3	3	3	3	3	4	5	5	6	8	8	9	9	10	10	8	7	7	7	7	5.9	9.8
19-Sep-06	6	6	6	6	6	6	6	6	6	7	8	9	9	10	13	12	11	12	10	8	8	8	8	8	7.9	12.8
20-Sep-06	7	6	5	5	4	4	4	4	5	7	8	10	11	11	11	P	P	P	P	P	P	P	P	P	N	11.1
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	9	9	9	9	10	10	9	7	6	6	6	N	10.4
22-Sep-06	5	5	4	3	2	1	1	1	3	4	7	9	11	12	13	13	13	12	11	10	10	8	7	7	7.2	13.4
23-Sep-06	7	6	6	7	7	8	8	9	14	16	17	18	20	20	19	19	18	17	15	15	15	14	15	16	13.7	20.1
24-Sep-06	16	16	15	15	15	14	12	11	12	14	17	19	19	22	21	21	20	19	18	17	16	15	14	14	16.4	21.6
25-Sep-06	15	16	16	16	16	15	15	15	15	17	18	18	19	20	20	20	19	17	16	14	14	13	12	11	16.1	19.9
26-Sep-06	9	10	10	7	8	8	8	7	8	10	10	11	12	14	15	16	14	14	12	10	9	8	8	7	10.2	15.8
27-Sep-06	6	5	5	5	5	5	4	5	8	10	11	14	16	19	20	22	20	19	18	17	18	17	15	15	12.3	21.6
28-Sep-06	15	14	14	14	14	15	15	15	15	16	18	19	18	19	19	19	19	18	17	15	14	14	16	16	16.1	19.4
29-Sep-06	15	15	16	16	16	16	16	16	16	16	17	17	16	16	14	13	12	11	12	11	11	11	11	11	14.3	16.6
30-Sep-06	11	12	12	11	10	11	10	10	11	11	12	12	13	14	15	15	13	11	10	9	8	7	6	5	10.8	15.3
Hourly Avg	10.3	9.7	9.1	8.7	8.1	7.6	7.5	8.3	10.2	12.1	13.8	15.2	16.2	17.0	17.6	17.9	17.5	16.9	15.7	14.1	13.0	12.2	11.5	11.0		
Hourly Max	19.5	17.1	16.4	16.3	16.0	15.9	15.7	15.7	17.3	19.1	21.9	25.6	27.7	28.9	30.0	30.8	30.6	29.8	28.2	25.8	24.1	23.5	23.0	22.5		

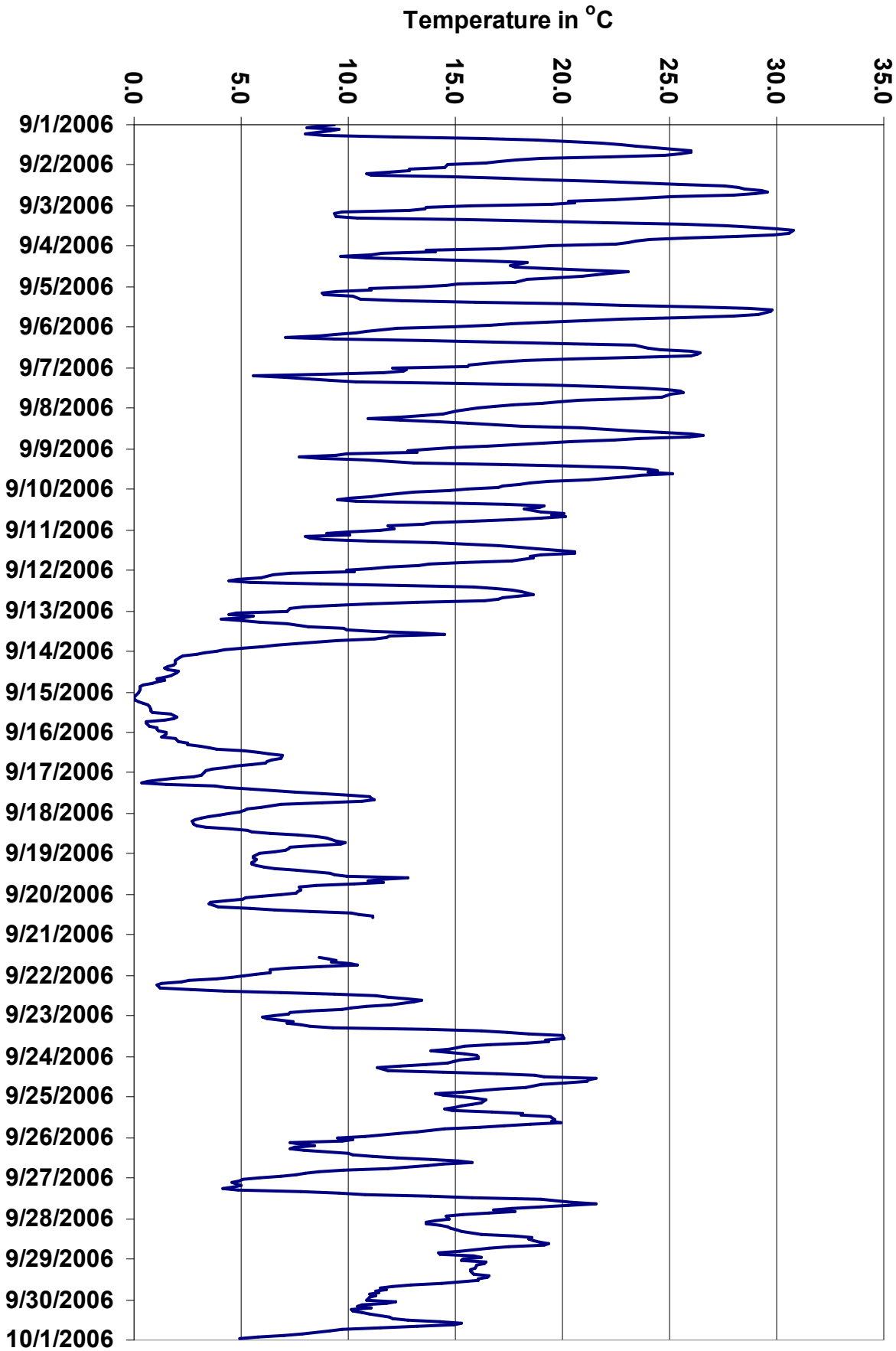


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

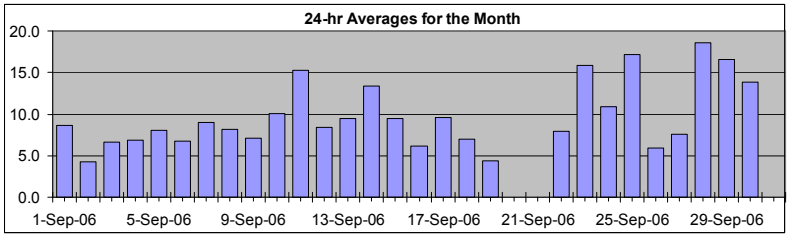
PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	31.4	km/hr	23-Sep	15:00 16:00
Maximum 24-hr Value:	18.5	km/hr	28-Sep	

Calm Time:	5 hrs	**1%** calms	Operational Time: 693 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 96.9%

Percentile	99	95	75	50	25	5	1	AverageS
	28.2	24.1	13.4	7.7	4.3	2.3	1.8	9.6 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Sep-06	4	2	2	3	4	3	2	3	9	18	19	15	18	16	14	18	19	15	8	2	2	3	3	3	8.6	19.4
2-Sep-06	3	3	3	2	3	3	3	2	2	4	5	4	5	7	9	7	6	3	3	5	6	5	5	3	4.2	8.6
3-Sep-06	3	5	4	1	calm	calm	1	4	2	3	4	7	11	12	12	11	10	10	8	8	7	7	8	7	6.7	12.5
4-Sep-06	2	4	5	calm	3	4	9	9	9	11	10	13	10	5	4	4	6	8	8	4	3	9	8	10	6.9	12.9
5-Sep-06	8	5	4	3	2	4	5	2	3	3	3	5	4	10	15	18	19	21	18	11	11	8	5	8	8.1	20.5
6-Sep-06	6	4	3	3	5	4	4	3	2	3	3	11	15	14	13	11	11	10	11	8	7	6	2	4	6.8	14.9
7-Sep-06	3	4	4	4	calm	2	3	calm	4	2	3	9	13	14	15	13	12	12	10	9	13	17	16	15	9.0	16.7
8-Sep-06	13	11	9	10	10	7	3	4	9	10	10	9	8	8	10	8	6	5	6	8	9	6	10	5	8.1	13.3
9-Sep-06	6	11	11	6	4	5	6	5	5	5	6	9	9	9	9	8	12	10	7	4	4	9	6	6	7.1	11.8
10-Sep-06	5	6	4	2	3	2	3	2	3	5	11	18	14	13	17	22	23	24	18	12	12	12	3	6	10.1	23.6
11-Sep-06	6	4	3	6	3	5	6	7	13	19	20	25	26	26	25	27	28	23	22	20	17	18	12	8	15.3	28.1
12-Sep-06	4	5	5	5	3	3	4	4	3	2	7	16	17	19	17	18	18	13	13	9	5	5	2	2	8.4	18.7
13-Sep-06	3	3	2	5	3	3	6	7	8	8	8	7	7	7	9	15	19	14	15	14	16	18	16	15	9.5	19.1
14-Sep-06	14	15	18	17	14	14	13	15	18	18	17	17	17	17	15	14	11	9	7	8	9	7	8	9	13.4	18.1
15-Sep-06	10	10	8	8	9	12	10	10	13	14	16	14	12	10	8	9	10	10	7	7	5	4	4	4	9.5	16.0
16-Sep-06	2	4	6	6	6	5	4	4	5	6	7	5	5	7	9	11	8	7	7	9	10	6	5	5	6.2	10.6
17-Sep-06	3	4	3	4	5	7	7	6	9	12	11	12	13	13	14	13	14	15	11	10	9	10	13	13	9.6	14.9
18-Sep-06	12	12	11	8	7	7	4	4	3	2	2	4	5	6	9	8	9	9	7	8	7	7	9	9	7.0	12.5
19-Sep-06	9	4	5	7	4	5	6	5	5	5	4	3	3	4	3	3	4	3	3	5	4	3	3	4	4.3	9.1
20-Sep-06	4	4	3	3	4	4	3	2	1	2	2	2	2	2	3	P	P	P	P	P	P	P	P	P	N	4.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	12	11	11	10	6	6	5	6	7	6	8	N	12.0
22-Sep-06	9	8	6	2	1	3	3	3	2	4	5	8	9	9	11	16	21	18	13	10	12	7	6	5	7.9	20.8
23-Sep-06	4	3	4	5	4	7	6	5	11	19	25	28	27	30	29	31	28	21	15	15	14	12	17	19	15.8	31.4
24-Sep-06	19	19	16	19	17	11	7	6	5	5	4	6	7	19	19	16	17	15	12	7	5	5	2	5	10.9	19.1
25-Sep-06	12	13	20	26	25	21	17	13	12	17	19	22	28	25	24	27	23	19	10	9	7	8	9	4	17.1	27.8
26-Sep-06	2	6	6	3	5	5	5	7	8	10	8	7	8	8	8	8	7	6	4	4	4	5	4	4	6.0	9.8
27-Sep-06	3	3	4	4	3	2	2	3	2	5	5	5	6	7	11	14	10	8	7	7	22	19	17	13	7.5	21.9
28-Sep-06	12	9	8	9	10	12	16	17	19	29	27	31	28	28	24	20	18	22	24	18	14	11	17	19	18.5	31.2
29-Sep-06	13	10	25	28	20	21	19	24	25	27	29	25	25	21	24	25	16	8	4	2	3	2	2	2	16.6	28.5
30-Sep-06	4	5	4	2	2	6	10	10	12	14	13	14	15	20	24	29	23	20	19	22	19	15	16	14	13.9	29.1
1-hr Average	7.0	6.7	7.2	7.1	6.7	6.7	6.4	6.7	7.7	9.8	10.4	12.1	12.6	13.3	13.8	15.0	14.5	12.5	10.6	9.0	9.0	8.6	8.1	7.9		
Hourly Max	18.8	18.8	24.9	28.1	24.8	21.1	18.8	23.7	25.5	29.1	28.5	31.2	27.8	29.8	28.6	31.4	28.1	23.6	24.2	22.3	21.9	18.7	17.4	19.1		

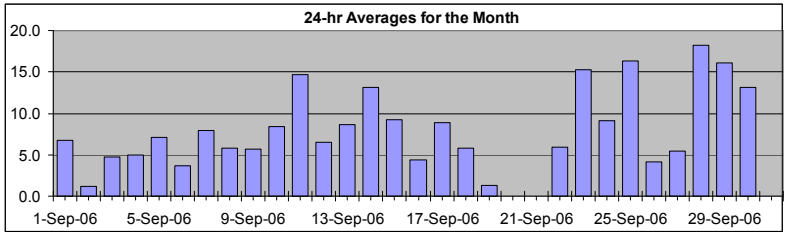
PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	31.2	km/hr	23-Sep	15:00 16:00
Maximum 24-hr Value:	18.2	km/hr	28-Sep	

Calm Time:	13 hrs	**2%** calms	Operational Time: 685 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 96.9%

Percentile	99	95	75	50	25	5	1	AverageV
	28.1	24.1	13.3	7.5	3.9	1.6	1.0	13.9 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Sep-06	4	2	calm	2	4	1	2	2	9	18	19	15	18	16	13	18	19	15	8	calm	1	1	3	3	6.8	18.8
2-Sep-06	3	3	3	2	3	3	3	2	2	4	5	3	4	6	8	5	5	2	3	4	2	2	4	2	1.1	7.7
3-Sep-06	2	2	4	1	calm	calm	1	2	2	2	4	7	11	12	11	10	9	10	8	8	7	7	8	6	4.7	11.9
4-Sep-06	1	4	4	calm	calm	4	8	5	7	9	9	12	9	4	3	4	6	8	8	4	3	9	7	10	5.0	11.5
5-Sep-06	7	2	2	calm	2	3	4	calm	3	2	1	3	1	9	14	18	19	20	18	11	11	8	5	7	7.1	20.2
6-Sep-06	5	3	3	3	5	2	2	1	2	3	3	10	15	14	12	10	11	9	11	8	7	5	2	4	3.7	14.6
7-Sep-06	2	4	4	4	calm	calm	3	calm	4	2	2	9	13	14	14	13	12	12	10	9	13	17	16	15	8.0	16.6
8-Sep-06	13	11	9	10	10	7	3	4	9	10	9	9	8	8	9	8	6	4	5	8	9	4	10	3	5.7	13.3
9-Sep-06	4	10	11	4	3	2	3	4	4	4	6	8	8	8	8	7	12	10	7	4	4	9	6	5	5.7	11.5
10-Sep-06	5	6	4	1	2	2	3	1	3	4	11	18	14	13	16	21	23	23	18	12	12	11	calm	6	8.4	23.3
11-Sep-06	6	2	2	5	3	4	6	7	13	19	20	24	26	25	24	26	28	22	22	19	17	18	11	7	14.7	28.0
12-Sep-06	3	5	5	5	3	2	3	3	3	1	5	16	17	18	17	18	18	13	13	9	5	4	1	1	6.5	18.3
13-Sep-06	1	2	2	3	3	1	5	7	8	8	8	7	6	6	7	14	19	13	15	14	16	18	16	15	8.7	18.9
14-Sep-06	13	15	18	16	14	14	13	15	18	18	17	17	17	17	15	14	11	9	7	8	8	7	8	9	13.1	18.0
15-Sep-06	10	10	8	8	8	12	10	10	13	14	16	14	12	10	8	9	10	10	7	7	5	4	4	4	9.2	16.0
16-Sep-06	2	3	5	5	6	5	4	4	4	6	7	5	4	6	9	10	8	6	7	9	10	6	5	5	4.4	10.3
17-Sep-06	3	3	3	4	5	7	7	6	8	11	11	12	12	13	14	12	14	15	11	10	9	10	13	13	8.9	14.7
18-Sep-06	12	12	11	8	7	7	4	4	2	1	calm	3	4	5	9	8	9	9	7	7	7	7	9	9	5.8	12.4
19-Sep-06	9	3	5	6	3	5	5	4	4	5	3	2	3	2	2	3	4	3	3	4	4	3	3	3	1.3	9.0
20-Sep-06	4	4	3	3	4	4	2	2	1	2	2	1	1	1	3	P	P	P	P	P	P	P	P	P	N	4.3
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	12	11	11	10	6	6	5	6	7	6	8	N	11.8
22-Sep-06	9	8	5	1	1	2	2	3	2	4	5	7	9	9	11	16	21	18	13	10	12	7	6	5	5.9	20.7
23-Sep-06	4	2	3	4	4	7	6	4	11	19	24	28	27	30	28	31	28	21	15	15	14	12	17	19	15.3	31.2
24-Sep-06	19	19	16	19	16	10	7	6	5	2	3	5	5	19	19	16	17	15	12	7	5	4	1	4	9.1	18.8
25-Sep-06	12	13	20	26	25	21	17	13	12	17	19	22	28	25	24	26	23	19	10	9	7	8	9	2	16.4	27.6
26-Sep-06	1	6	6	2	4	5	5	7	8	9	8	7	7	7	7	7	5	5	4	4	4	5	4	3	4.1	9.4
27-Sep-06	3	3	4	3	3	2	2	2	2	4	4	4	6	6	11	13	10	8	7	7	22	19	16	13	5.4	21.8
28-Sep-06	12	9	8	8	10	12	16	17	19	29	27	31	28	28	24	20	18	22	24	18	14	11	17	19	18.2	31.1
29-Sep-06	13	9	25	28	20	21	19	24	25	27	28	25	25	21	24	25	16	8	4	1	2	2	1	1	16.1	28.5
30-Sep-06	3	4	2	2	1	6	10	10	12	14	13	14	15	20	23	29	23	19	19	22	19	14	16	14	13.1	28.9
1-hr Vector	2.0	2.4	2.4	2.2	1.5	1.9	2.5	2.6	2.5	4.9	5.4	6.8	6.8	7.0	6.8	7.9	7.5	5.8	4.4	2.9	2.9	2.3	2.2	2.3		
Hourly Max	18.8	18.8	24.8	28.1	24.8	21.0	18.8	23.6	25.4	29.0	28.5	31.1	27.6	29.7	28.4	31.2	28.0	23.3	24.1	22.1	21.8	18.7	17.3	19.0		

PASZA - Beaverlodge - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms													Operational Time:													698 hrs	
Calibration Time:	0 hrs														AMD Operational Uptime:													96.9%	
Percentile	99	95	75	50	25	5	1	Average																					
	352.4	339.1	280.4	228.5	93.1	22.1	5.2	294 deg																					

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Sep-06	206	214	315	258	250	94	97	109	266	268	276	279	258	274	289	284	270	285	289	311	73	139	79	99	273	W
2-Sep-06	128	107	92	97	94	143	90	103	214	215	192	184	223	239	233	268	232	207	170	97	16	346	30	336	195	SSW
3-Sep-06	312	343	57	41	228	41	241	42	149	205	186	154	146	140	131	123	125	116	96	62	62	71	84	91	110	ESE
4-Sep-06	218	270	42	276	314	45	315	337	29	283	356	330	316	311	55	30	52	47	48	42	50	35	333	340	355	N
5-Sep-06	334	350	338	227	215	338	18	275	240	266	338	237	238	311	300	298	292	295	305	312	318	319	336	329	305	NW
6-Sep-06	315	231	81	71	58	11	300	93	164	196	192	299	311	313	306	344	341	355	50	51	63	56	75	51	350	N
7-Sep-06	122	63	52	46	91	47	55	220	223	209	192	131	128	125	123	131	118	110	103	101	102	107	109	112	114	ESE
8-Sep-06	111	109	99	97	105	122	176	132	135	133	143	144	135	143	126	122	129	74	44	36	41	5	339	3	106	ESE
9-Sep-06	1	332	336	319	55	44	339	331	305	297	294	300	285	285	285	291	257	249	262	244	279	291	279	270	297	WNW
10-Sep-06	212	242	254	87	87	64	82	87	114	214	265	275	269	283	290	279	271	267	262	280	271	277	306	277	271	W
11-Sep-06	325	347	242	300	67	314	315	299	287	281	283	283	275	275	277	278	273	287	283	270	280	275	276	276	282	WNW
12-Sep-06	356	300	225	236	214	94	99	83	155	74	288	280	267	263	282	268	269	290	285	286	277	257	92	334	274	W
13-Sep-06	305	87	81	351	338	24	348	333	339	340	342	342	25	59	5	45	28	8	11	5	12	23	23	16	12	NNE
14-Sep-06	16	20	25	30	27	21	17	22	31	29	33	34	37	32	34	27	19	24	14	5	6	345	359	8	24	NNE
15-Sep-06	16	16	11	9	32	45	39	39	48	47	50	49	46	35	33	47	48	47	36	42	46	68	51	50	40	NE
16-Sep-06	22	346	3	360	33	32	59	50	26	22	47	37	38	56	72	78	87	82	88	111	118	156	169	161	68	ENE
17-Sep-06	150	134	109	89	91	90	99	89	132	156	164	137	138	152	158	145	143	125	118	104	110	113	109	112	128	SE
18-Sep-06	109	108	110	133	113	98	94	105	131	140	271	251	46	96	99	104	90	79	89	82	60	53	47	39	92	E
19-Sep-06	43	343	344	21	328	354	345	5	342	327	335	295	289	283	137	221	230	214	170	136	123	116	127	140	357	N
20-Sep-06	134	131	135	148	155	146	125	104	170	215	264	195	198	114	133	P	P	P	P	P	P	P	P	P	N	-
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	340	348	352	329	339	337	319	308	318	335	333	N	-
22-Sep-06	328	331	334	9	203	61	76	71	188	208	192	214	227	226	233	255	265	269	265	272	259	245	233	226	256	WSW
23-Sep-06	204	200	227	235	264	246	246	255	264	278	285	284	282	282	274	269	270	259	250	253	256	257	268	270	268	W
24-Sep-06	279	285	294	287	289	313	352	352	35	102	172	265	246	275	276	262	258	271	282	247	246	229	220	233	278	W
25-Sep-06	259	257	256	262	258	258	257	254	259	272	276	288	279	285	300	297	292	305	304	295	291	280	287	283	277	W
26-Sep-06	40	291	293	82	38	332	18	4	347	337	347	351	332	344	337	311	18	50	58	69	71	91	103	127	2	N
27-Sep-06	144	169	139	127	166	148	163	131	157	183	183	186	226	234	239	280	292	284	264	271	272	261	268	275	251	WSW
28-Sep-06	286	301	297	280	287	275	270	269	268	271	276	285	285	291	281	297	284	274	274	262	251	262	280	275	278	W
29-Sep-06	278	285	271	265	272	266	270	272	274	272	272	272	274	274	266	263	268	275	251	244	270	69	76	138	270	W
30-Sep-06	10	353	317	184	241	300	315	300	274	263	267	261	265	261	265	271	280	265	271	264	267	262	258	264	271	W
Hourly Avg	326	323	321	301	310	337	329	333	294	277	284	283	277	283	282	286	284	292	297	302	305	304	318	313		

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 698 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 96.9%

Percentile	99	95	75	50	25	5	1
	56.1	45.2	19.2	9.4	5.5	3.0	2.5

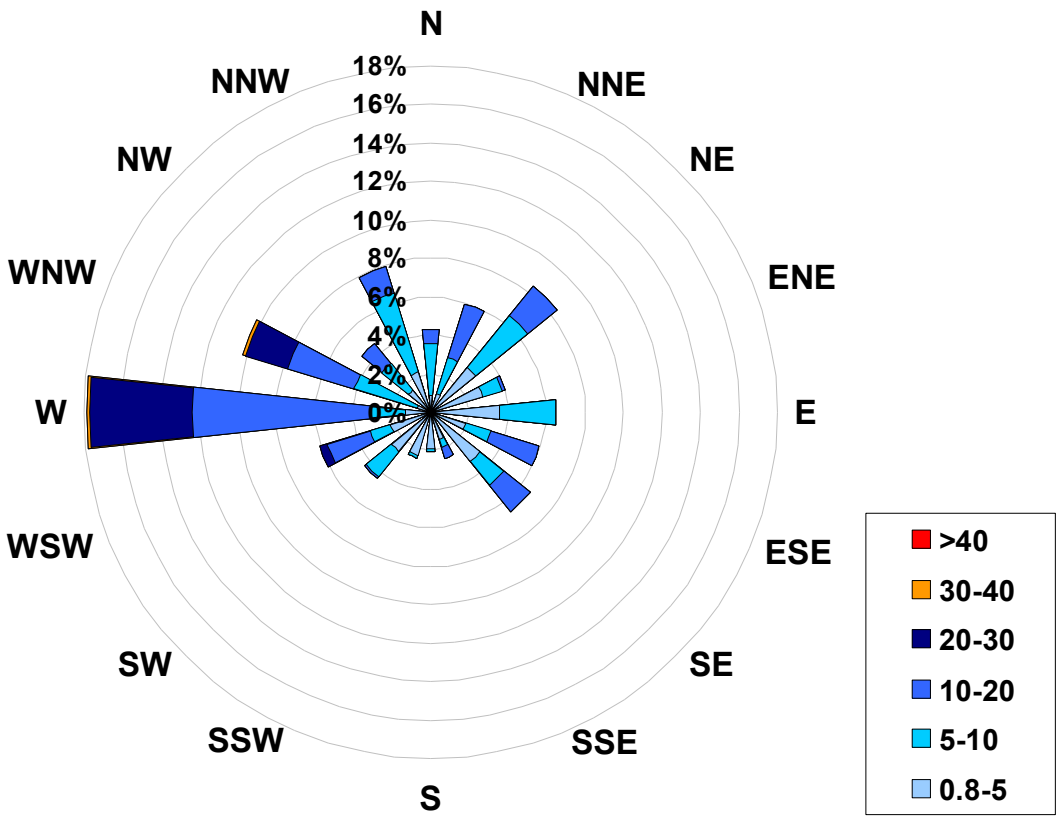
Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	16	26	48	24	20	45	31	21	40	7	9	12	7	7	11	9	10	8	7	41	56	48	13	12	56.1
2-Sep-06	16	10	15	8	8	10	26	15	31	19	21	34	30	41	32	48	39	47	42	9	14	60	11	19	59.6
3-Sep-06	21	26	9	56	18	61	24	40	23	24	19	15	10	15	12	16	16	8	7	7	6	6	5	17	60.5
4-Sep-06	42	13	16	50	42	28	16	38	33	22	22	23	24	35	36	34	14	6	5	35	27	3	23	8	49.5
5-Sep-06	52	25	27	30	28	26	16	38	12	24	38	56	56	20	14	10	8	7	4	3	5	6	20	8	56.5
6-Sep-06	18	33	9	11	12	47	39	37	31	30	40	31	11	14	15	20	15	17	5	16	8	35	14	22	46.7
7-Sep-06	20	7	12	25	34	34	21	45	10	50	48	13	12	12	15	12	9	6	4	3	2	2	3	3	50.4
8-Sep-06	2	3	4	4	4	6	16	8	7	8	9	12	15	14	12	13	15	15	10	9	5	18	7	51	51.3
9-Sep-06	39	34	4	25	24	35	26	29	34	22	13	15	16	20	25	35	10	8	5	9	13	3	8	18	39.5
10-Sep-06	11	7	8	35	43	18	17	31	43	26	19	8	8	10	10	7	7	11	3	4	3	3	41	6	43.4
11-Sep-06	20	17	44	22	9	30	6	8	4	6	9	9	7	9	8	6	4	6	6	5	4	4	2	14	44.3
12-Sep-06	20	9	13	9	12	37	19	27	19	50	40	9	9	9	11	12	9	7	6	4	7	34	25	38	49.9
13-Sep-06	48	37	39	14	21	56	15	7	11	11	13	11	18	19	27	14	7	10	8	8	6	4	5	6	55.8
14-Sep-06	7	6	4	5	5	5	7	6	6	6	4	5	6	8	5	5	5	6	8	8	8	9	9	8	9.1
15-Sep-06	6	5	6	7	6	3	4	5	5	3	3	4	4	5	7	6	5	3	3	3	4	4	5	5	7.2
16-Sep-06	16	11	6	6	7	8	13	7	10	11	7	12	17	21	15	10	11	10	6	6	5	9	5	7	20.8
17-Sep-06	12	6	9	5	4	2	2	4	6	8	11	10	11	16	12	14	10	8	3	4	3	4	3	4	16.0
18-Sep-06	4	3	3	8	6	6	13	10	24	44	62	37	36	15	17	13	9	8	8	5	4	5	4	4	61.9
19-Sep-06	5	23	12	10	23	7	12	14	12	13	27	49	31	37	48	45	18	44	9	13	7	10	5	8	49.3
20-Sep-06	5	3	15	9	10	13	28	22	46	21	33	50	43	39	18	P	P	P	P	P	P	P	P	P	49.8
21-Sep-06	P	P	P	P	P	P	P	P	P	P	P	P	P	11	11	12	6	13	18	8	4	3	4	4	18.0
22-Sep-06	3	3	11	47	33	51	30	11	17	10	12	11	10	10	9	6	5	4	3	4	5	4	5	7	51.4
23-Sep-06	10	18	48	17	57	6	8	36	7	8	6	7	7	6	6	5	4	5	3	3	3	3	3	3	57.2
24-Sep-06	3	3	3	2	3	16	11	11	25	21	28	40	25	10	8	8	4	4	5	6	8	6	49	38	48.7
25-Sep-06	3	3	3	2	3	3	3	3	5	6	6	7	6	7	7	6	5	4	4	3	4	3	3	12	12.4
26-Sep-06	48	5	5	51	13	7	11	12	9	12	13	14	24	22	20	26	26	17	8	7	10	7	7	8	50.5
27-Sep-06	14	9	11	10	12	14	17	16	31	15	15	15	16	16	11	10	9	13	5	7	3	3	3	3	31.0
28-Sep-06	3	4	6	10	8	4	3	4	4	3	6	5	7	6	6	7	8	4	4	4	3	8	5	3	10.4
29-Sep-06	3	7	4	3	4	3	4	4	4	4	4	5	5	5	4	3	3	7	33	60	50	45	23	25	60.4
30-Sep-06	20	19	26	53	21	10	6	5	4	3	5	5	6	7	15	5	10	5	6	4	4	4	4	3	52.7
Hourly Max	52	37	48	56	57	61	39	45	46	50	62	56	56	41	48	48	39	47	42	60	56	60	49	51	

1-hr Average Wind Rose (in km/hr) Located at the Beaverlodge Site for September 2006



Calms:	1%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	226
5	to	10	210
10	to	20	199
20	to	30	56
30	to	40	2
	>	40	0
Total Non-Zero Values			693

PASZA – Portable - Falher Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Portable-Fahler - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

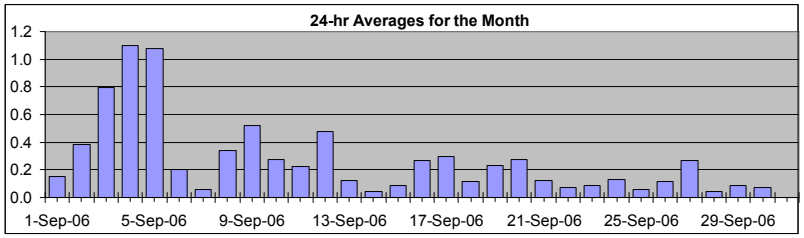
Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 172 ppb | 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	4.2	ppb	4-Sep	15:00 16:00
Maximum 24-hr Average:	1.1	ppb	4-Sep	



AIC Time:	33 hrs	Operational Time:	684 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.5	1.0	0.4	0.1	0.0	0.0	0.0	0.3 ppb	0.1 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
2-Sep-06	0	A	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	1.1
3-Sep-06	A	0	0	0	0	0	1	1	1	1	1	1	2	3	1	1	1	1	0	0	1	1	0	A	0.8	2.6
4-Sep-06	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	4	4	3	2	1	1	1	A	1	1.1	4.2
5-Sep-06	1	1	0	0	1	1	1	0	0	0	1	1	3	3	3	2	1	1	1	1	1	A	1	1	1.1	3.0
6-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.2	0.5
7-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.1	0.3
8-Sep-06	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	A	0	0	0	0	1	0.3	1.3
9-Sep-06	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	A	0	0	0	0	0	0	0.5	1.1
10-Sep-06	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.3	0.6
11-Sep-06	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.2	1.2
12-Sep-06	0	0	0	0	0	0	0	0	0	1	1	1	0	0	A	1	1	1	1	1	1	0	0	0	0.5	1.3
13-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.4
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
15-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
16-Sep-06	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0.3	0.8
17-Sep-06	0	0	0	0	0	0	0	1	0	A	1	0	1	0	0	0	0	0	0	0	1	1	0	1	0.3	1.2
18-Sep-06	0	0	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6
19-Sep-06	0	0	0	0	0	0	0	A	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0.2	0.6
20-Sep-06	0	0	0	0	0	0	A	0	0	0	0	1	C	C	C	A	0	0	1	0	0	0	0	0	0.3	1.1
21-Sep-06	0	0	0	A	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.1	1.0
22-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
23-Sep-06	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
24-Sep-06	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	A	0.1	1.0
25-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.1	0.2
26-Sep-06	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.1	0.9
27-Sep-06	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.3	0.7
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.0	0.2
29-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.1	0.3
30-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.1	0.3
Hourly Avg	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2		
Hourly Max	1.0	0.8	1.2	0.8	0.9	1.1	1.2	0.6	0.8	1.0	1.2	1.2	3.0	3.0	3.0	4.2	3.8	2.7	1.8	1.1	1.0	1.0	0.6	1.3		

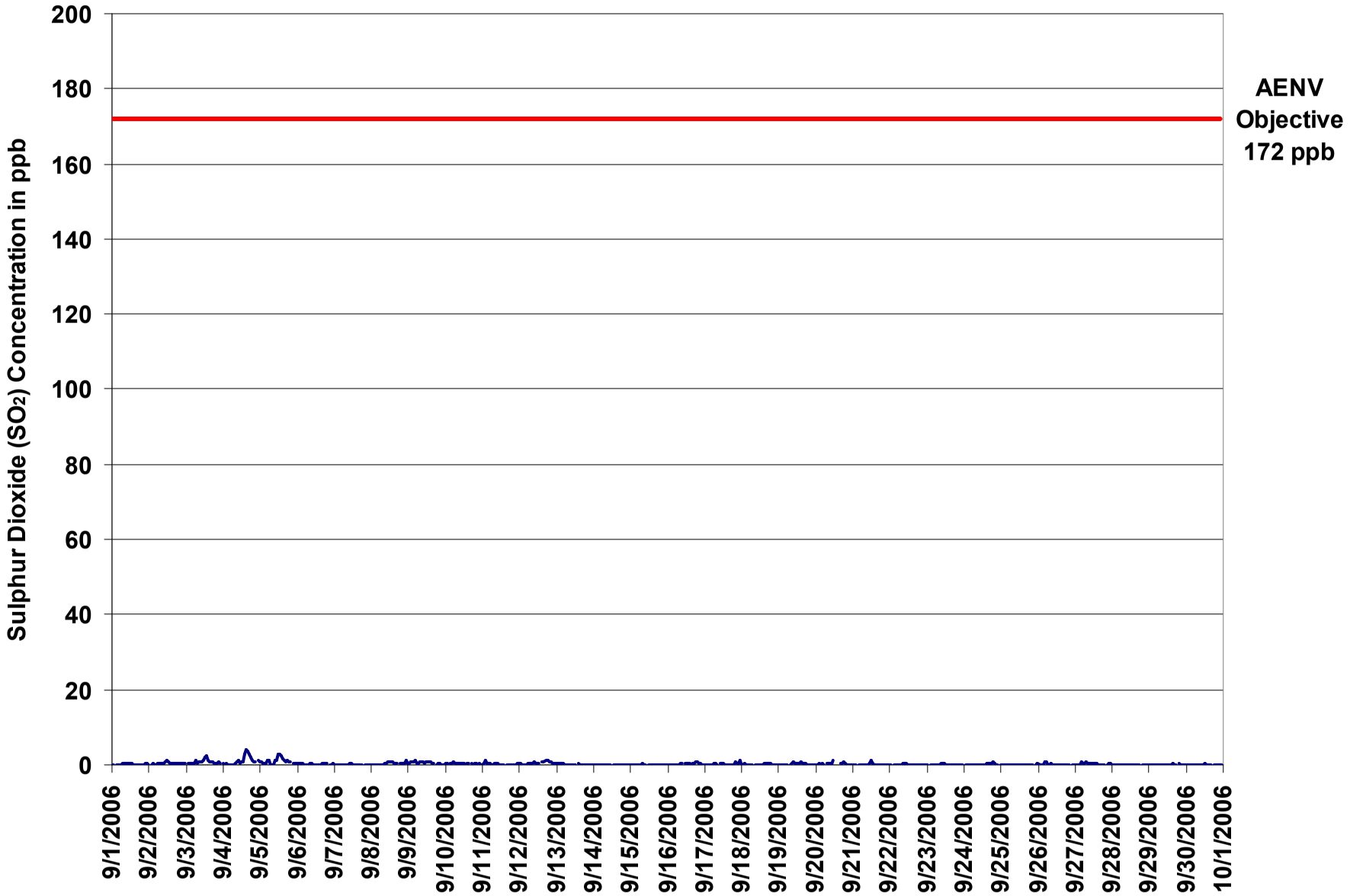


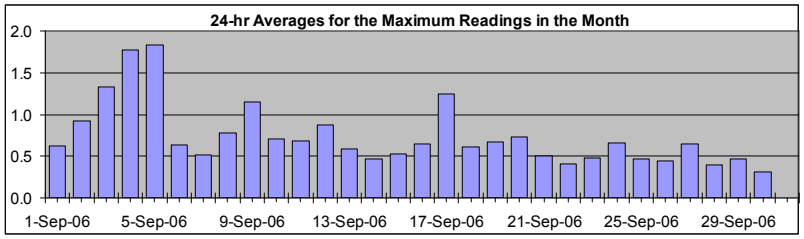
Figure 46. PASZA - Portable-Fahler Sulphur Dioxide 1-hr Average Monthly Trend

Station: Portable-Fahler
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	7.5	ppb	17-Sep	23:00 0:00
Maximum 24-hr Value:	1.8	ppb	5-Sep	

AIC Time:	33 hrs	Operational Time:	684 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.9	1.9	0.8	0.5	0.5	0.1	0.0	0.7 ppb	0.5 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	A	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.6	1.1
2-Sep-06	1	A	1	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0.9	2.2
3-Sep-06	A	1	1	1	1	1	2	1	1	1	1	2	4	3	2	1	1	1	1	1	1	1	1	A	1.3	3.5
4-Sep-06	1	0	0	1	0	0	0	1	1	1	2	1	1	2	4	5	5	4	3	2	1	1	A	3	1.8	4.9
5-Sep-06	2	2	1	1	2	2	2	0	0	1	3	2	4	4	3	2	2	1	1	1	1	A	1	1	1.8	3.9
6-Sep-06	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	A	0	0	1	0.6	1.3
7-Sep-06	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0.5	1.3
8-Sep-06	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	3	0.8	3.4
9-Sep-06	2	1	2	2	2	2	1	1	2	1	1	1	1	2	1	1	1	A	1	1	1	1	1	1	1.1	2.1
10-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	0	1	1	0	1	1	0.7	0.9
11-Sep-06	0	1	2	1	1	1	1	1	1	1	1	0	0	1	0	A	0	1	1	0	0	0	1	1	0.7	1.8
12-Sep-06	1	1	0	0	0	0	1	1	1	1	1	1	1	1	A	1	1	2	2	1	1	1	1	1	0.9	2.0
13-Sep-06	1	1	1	1	0	0	0	0	0	0	0	0	1	A	3	0	0	0	0	0	0	0	0	0	0.6	2.8
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	1	1	0	0.5	0.5
15-Sep-06	0	1	1	1	1	0	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.6
16-Sep-06	1	1	1	1	1	0	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
17-Sep-06	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	2	4	2	7	1.2	7.5
18-Sep-06	1	1	3	1	0	1	1	0	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.6	2.5
19-Sep-06	0	1	0	1	0	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.7	1.0
20-Sep-06	1	1	1	1	1	1	A	1	1	1	1	2	C	C	C	A	1	1	2	1	1	0	0	1	0.7	1.7
21-Sep-06	0	0	1	A	0	0	1	0	1	1	1	1	2	1	1	1	1	1	0	1	0	0	0	0	0.5	1.5
22-Sep-06	0	0	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0.4	0.5
23-Sep-06	0	A	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.5	0.5
24-Sep-06	A	0	1	1	0	0	0	1	0	0	0	0	1	1	0	1	1	1	1	4	3	1	0	A	0.7	4.0
25-Sep-06	1	1	1	0	1	1	1	1	1	0	0	1	1	1	0	1	0	1	1	1	1	0	A	1	0.5	0.5
26-Sep-06	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	A	0	0	0.4	2.2
27-Sep-06	0	0	1	1	2	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1	A	1	1	1	0.6	1.5
28-Sep-06	1	1	0	1	0	0	0	0	1	1	1	1	0	0	1	1	0	1	1	A	1	1	0	1	0.4	0.5
29-Sep-06	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	A	1	0	1	0	0	0.5	0.6
30-Sep-06	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	A	0	0	0	0	0	0	0.3	0.6
Hourly Avg	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	1.0		
Hourly Max	2.4	2.4	2.5	1.6	2.2	2.0	2.4	1.3	1.6	1.4	2.9	2.5	3.9	3.6	4.4	4.9	4.9	3.9	2.6	4.0	2.5	3.9	2.0	7.5		

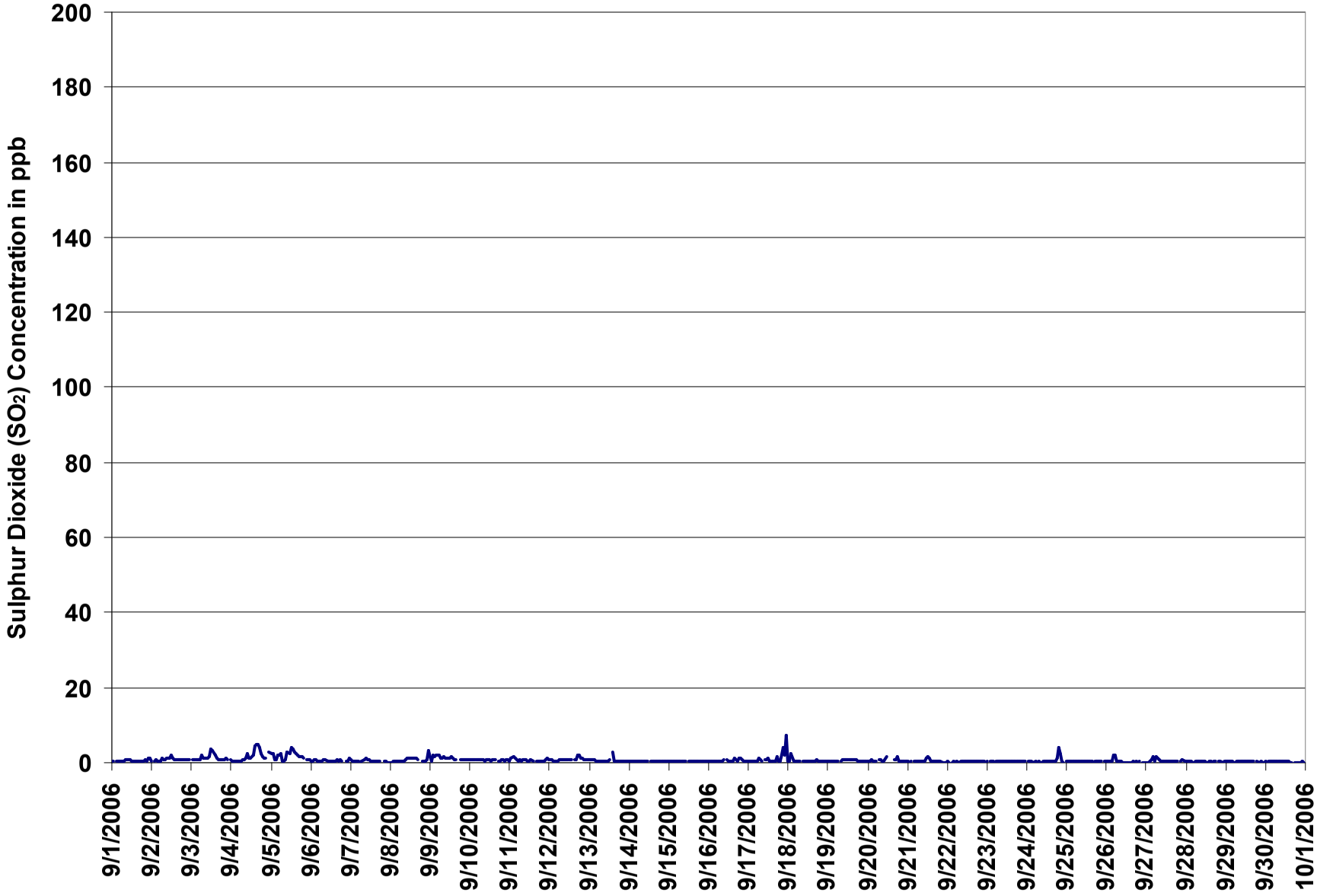
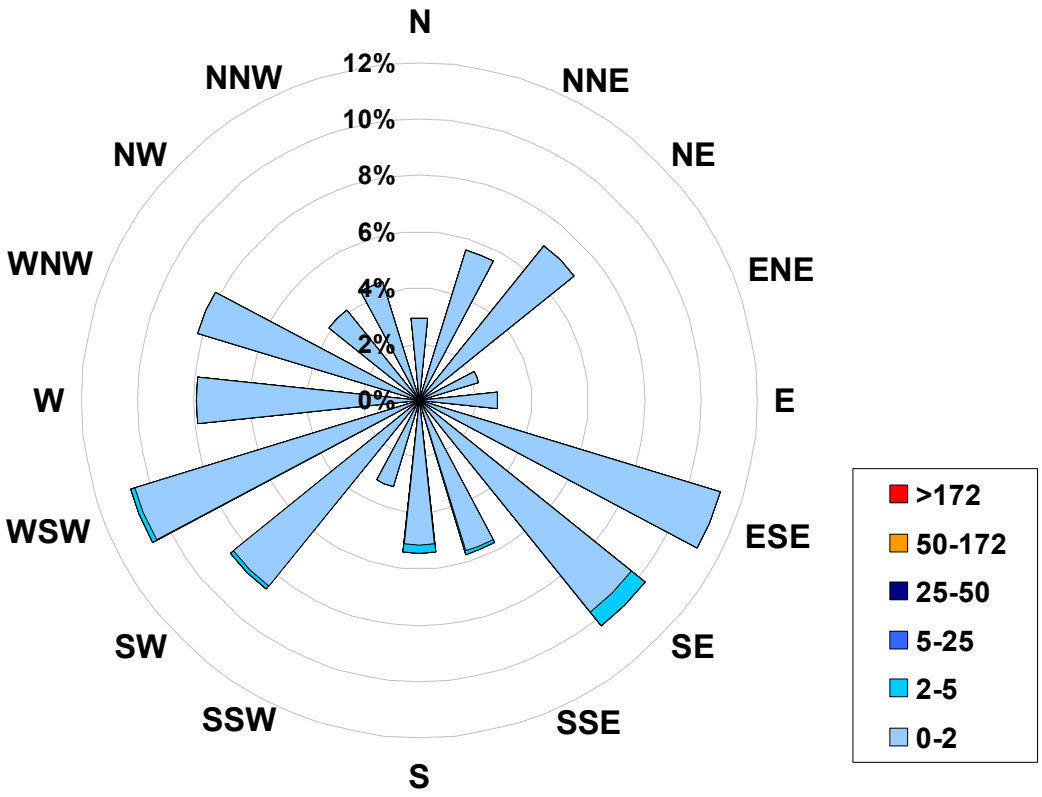


Figure 47. PASZA - Portable-Fahler Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Portable-Fahler Site for September 2006



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	675
2	to	5	9
5	to	25	0
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			684

PASZA - Portable-Fahler - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

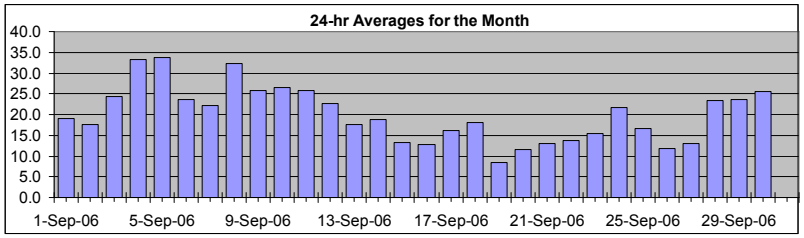
Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr 82 ppb | 24-hr na ppb

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	63.9	ppb	4-Sep	15:00 16:00
Maximum 24-hr Average:	33.8	ppb	5-Sep	



AIC Time:	32 hrs	Operational Time:	684 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	53.0	39.3	27.3	18.7	12.2	5.0	3.0	20.1 ppb	18.7 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	16	15	A	14	14	9	9	15	19	21	22	24	25	26	25	26	27	29	28	23	17	14	10	9	19.0	29.3
2-Sep-06	13	A	10	8	7	5	5	10	15	21	25	29	29	28	29	29	29	28	25	22	13	11	9	7	17.6	29.0
3-Sep-06	A	8	9	7	6	5	8	11	17	25	29	35	47	52	42	36	35	36	30	24	21	27	27	A	24.4	52.1
4-Sep-06	19	19	19	17	18	18	18	18	19	24	29	34	42	48	57	64	59	52	48	40	35	39	A	31	33.3	63.9
5-Sep-06	28	26	23	20	16	18	18	18	15	21	30	43	55	63	62	57	53	46	46	44	34	A	24	18	33.8	63.1
6-Sep-06	15	20	20	19	15	13	14	14	17	21	28	31	34	35	35	36	39	41	35	31	A	17	7	6	23.6	40.5
7-Sep-06	9	12	8	6	10	8	6	7	18	22	30	34	37	38	39	39	39	36	29	A	22	22	20	20	22.1	39.4
8-Sep-06	17	18	18	19	20	19	20	21	25	30	34	38	42	44	46	46	45	45	A	43	42	38	37	33	32.3	46.0
9-Sep-06	29	30	23	19	18	16	15	13	18	26	29	32	35	42	43	41	41	A	38	29	17	12	12	15	25.8	43.0
10-Sep-06	27	25	24	24	21	22	20	18	26	29	30	33	34	33	33	32	A	29	29	30	26	23	24	18	26.5	34.2
11-Sep-06	20	21	18	18	15	18	15	15	22	28	30	33	34	35	36	A	36	35	33	29	29	28	24	25	25.8	36.0
12-Sep-06	23	21	20	18	15	13	13	15	22	28	29	31	32	33	A	33	34	33	29	29	22	14	5	8	22.6	33.7
13-Sep-06	7	12	14	12	10	7	11	12	17	22	27	28	27	A	28	26	27	25	20	13	15	16	16	13	17.6	27.8
14-Sep-06	14	16	19	20	19	20	21	23	22	22	23	23	A	21	20	20	19	17	16	15	16	16	15	14	18.7	23.4
15-Sep-06	14	14	14	14	15	14	14	14	14	14	15	A	16	16	16	15	15	13	10	7	9	11	12	11	13.3	15.9
16-Sep-06	10	10	11	10	11	12	11	12	13	14	A	15	15	18	19	20	18	14	16	13	11	8	6	5	12.7	19.6
17-Sep-06	5	5	3	4	1	3	4	5	6	A	15	21	28	31	33	33	33	32	29	26	20	16	10	10	16.2	33.2
18-Sep-06	12	11	10	12	10	8	9	12	A	19	23	25	27	27	27	28	28	26	23	20	19	15	14	13	18.2	28.3
19-Sep-06	11	10	8	7	6	5	4	A	5	7	10	12	11	12	13	12	13	13	8	8	6	4	4	4	8.5	13.5
20-Sep-06	7	7	5	6	5	4	A	3	5	6	C	C	C	C	20	22	20	18	13	20	23	17	11	11	11.7	22.6
21-Sep-06	14	14	10	A	7	7	9	11	15	12	10	12	19	21	24	22	23	17	17	14	9	6	5	4	13.1	23.6
22-Sep-06	4	4	A	3	4	4	2	3	7	10	13	17	21	26	26	27	28	26	20	16	15	14	12	14	13.8	28.3
23-Sep-06	12	A	15	16	14	12	9	9	12	15	17	18	19	20	21	21	20	19	17	17	14	14	13	12	15.5	21.4
24-Sep-06	A	11	12	10	12	20	17	20	23	28	32	34	34	34	32	29	28	26	18	16	13	13	14	A	21.6	34.3
25-Sep-06	12	13	12	11	13	11	11	15	18	17	19	23	25	28	30	29	28	16	11	10	9	11	A	11	16.6	29.7
26-Sep-06	9	6	9	8	8	7	6	3	6	12	17	21	22	22	21	20	19	17	13	10	8	A	3	2	11.7	22.1
27-Sep-06	3	5	5	6	4	4	3	5	10	10	11	13	16	18	24	26	23	18	16	14	A	18	21	24	13.0	26.4
28-Sep-06	22	20	18	16	12	12	16	16	19	21	25	28	30	32	33	35	34	31	28	A	25	21	24	22	23.4	34.8
29-Sep-06	21	21	20	17	17	16	13	10	15	23	26	29	31	32	33	33	33	30	A	27	25	22	23	24	23.6	33.5
30-Sep-06	23	22	20	22	21	20	25	29	30	29	29	28	28	29	31	31	32	A	26	26	23	21	21	19	25.5	32.4
Hourly Avg	14.8	14.9	14.1	13.1	12.0	11.7	12.1	13.0	16.2	19.9	23.5	26.5	29.2	30.9	30.9	30.7	30.4	27.5	23.9	21.9	19.2	17.4	15.0	14.4		
Hourly Max	28.7	30.1	23.6	24.0	21.5	22.2	25.4	29.1	30.3	30.2	34.4	43.1	55.4	63.1	62.2	63.9	59.3	51.7	47.9	43.9	42.2	38.8	37.0	33.2		

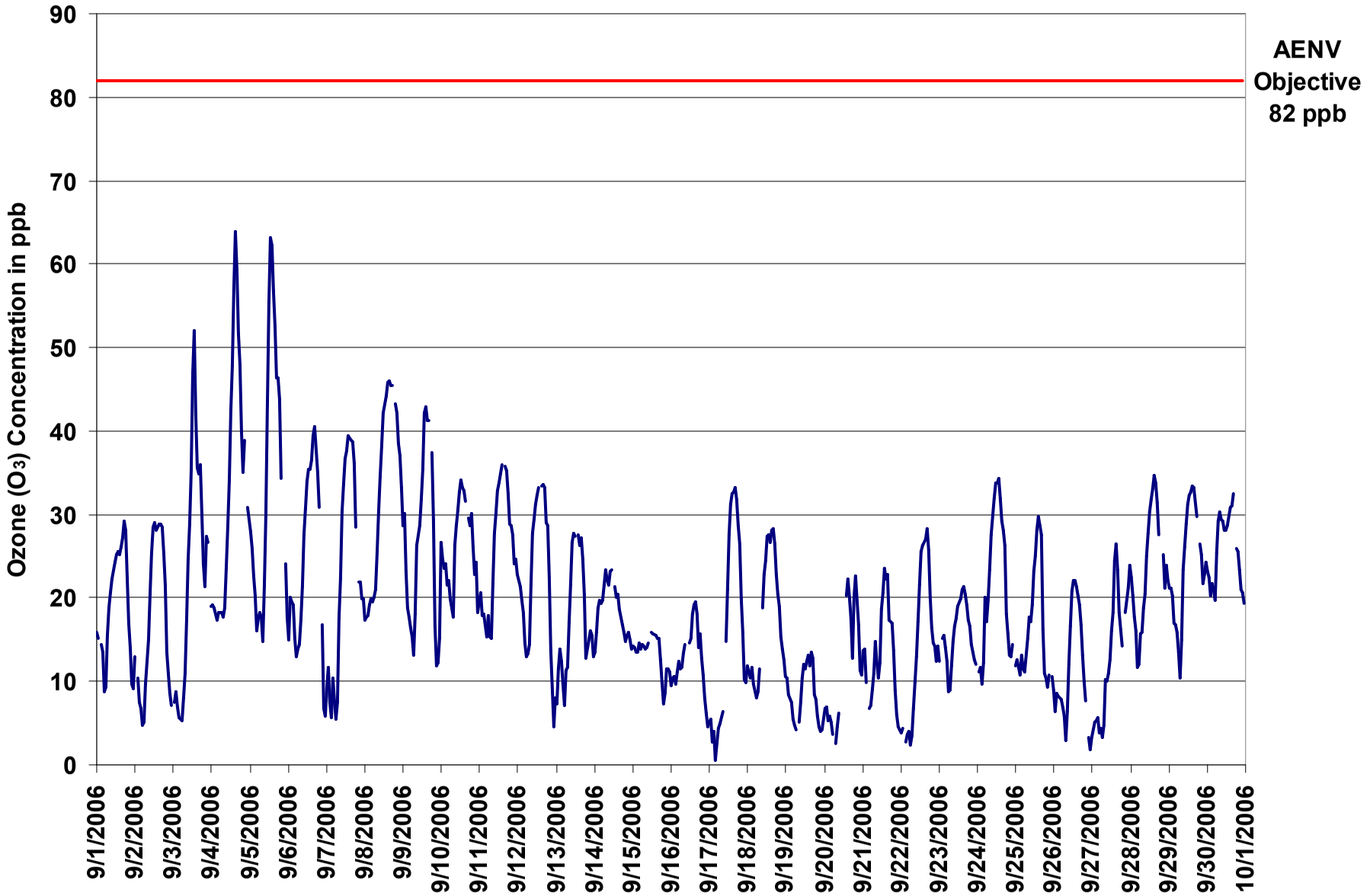


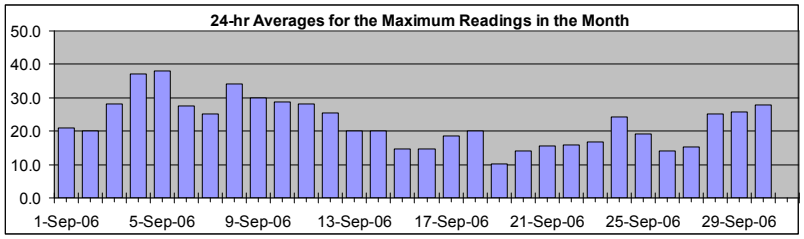
Figure 48. PASZA - Portable-Fahler Ozone 1-hr Average Monthly Trend

Station: Portable-Fahler
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	68.9	ppb	4-Sep	16:00 17:00
Maximum 24-hr Value:	38.1	ppb	5-Sep	

AIC Time:	32 hrs	Operational Time:	684 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	58.1	41.5	29.1	21.4	14.4	6.7	4.6	22.6 ppb	21.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	17	17	A	16	15	10	11	18	21	22	24	26	26	27	27	27	29	31	31	25	22	17	14	13	21.0	30.5
2-Sep-06	14	A	14	10	9	6	9	11	19	23	27	31	31	29	30	30	30	29	29	27	21	13	10	10	20.2	31.5
3-Sep-06	A	10	14	10	6	8	12	15	22	27	31	40	54	56	47	37	38	38	35	27	25	30	32	A	28.0	56.2
4-Sep-06	24	22	21	21	21	20	21	20	20	27	32	39	46	52	63	68	69	56	57	45	38	41	A	33	37.3	68.9
5-Sep-06	30	28	25	23	20	19	21	20	19	25	36	50	62	67	65	59	58	49	49	47	45	A	29	28	38.1	66.9
6-Sep-06	22	24	24	21	19	17	17	17	20	25	30	32	35	36	37	40	41	45	39	36	A	26	15	12	27.4	44.6
7-Sep-06	13	15	14	9	15	11	9	13	21	26	32	36	38	40	41	40	40	39	33	A	26	25	21	21	25.2	41.4
8-Sep-06	19	19	19	21	22	21	21	23	28	34	36	40	44	46	47	47	47	47	A	44	44	40	38	37	34.2	47.3
9-Sep-06	33	32	29	20	21	18	18	17	24	29	31	35	40	45	46	43	42	A	41	39	26	17	18	25	29.9	46.3
10-Sep-06	28	26	25	26	23	23	24	26	28	30	32	34	35	34	34	33	A	31	30	31	30	27	26	23	28.6	35.2
11-Sep-06	22	22	22	22	19	22	20	20	27	29	33	34	35	36	37	A	37	37	36	31	30	29	29	26	28.3	37.1
12-Sep-06	25	24	21	22	20	16	16	17	25	29	31	32	33	34	A	34	35	34	34	30	29	22	11	11	25.5	34.8
13-Sep-06	13	18	17	18	15	10	14	13	20	25	29	29	29	A	29	28	29	27	24	14	17	17	17	14	20.2	29.0
14-Sep-06	16	18	20	21	21	22	23	25	23	23	25	25	A	23	22	22	21	18	17	16	17	17	16	15	20.2	25.4
15-Sep-06	15	15	14	15	15	14	15	15	14	15	15	A	17	17	17	16	16	14	12	14	12	13	12	12	14.7	17.2
16-Sep-06	11	12	13	11	12	13	13	13	15	16	A	17	17	20	21	21	22	15	17	15	15	11	9	7	14.6	22.3
17-Sep-06	7	9	7	7	2	4	7	6	9	A	19	26	30	33	34	34	35	34	31	28	25	19	12	12	18.7	34.8
18-Sep-06	14	13	13	13	12	9	10	13	A	23	24	27	29	29	27	31	30	28	26	22	20	18	14	14	20.1	31.2
19-Sep-06	11	12	12	8	7	6	6	A	7	9	13	14	13	14	14	14	15	15	12	10	8	5	5	7	10.3	15.2
20-Sep-06	8	8	8	7	6	5	A	4	6	7	C	C	C	C	23	25	22	19	18	27	26	21	15	13	14.0	26.6
21-Sep-06	17	16	14	A	8	9	10	15	17	14	11	16	23	24	25	26	25	20	19	16	13	8	6	6	15.5	25.6
22-Sep-06	5	5	A	4	5	6	3	6	11	12	15	19	25	27	28	28	30	28	23	19	17	16	14	17	15.7	30.1
23-Sep-06	14	A	17	17	15	14	11	11	13	16	18	19	20	21	22	22	21	20	18	18	16	14	13	13	16.7	21.9
24-Sep-06	A	12	13	12	17	26	21	23	27	31	34	35	35	35	35	30	29	29	21	20	15	15	15	A	24.1	35.3
25-Sep-06	13	13	13	12	14	13	14	17	20	21	21	24	27	29	31	31	29	30	13	12	11	14	A	13	19.0	31.3
26-Sep-06	11	11	11	9	9	9	8	5	11	15	21	23	24	24	23	22	21	19	15	12	11	A	6	3	14.0	23.7
27-Sep-06	4	6	6	7	5	5	5	9	11	11	12	15	19	24	28	28	27	23	19	17	A	20	25	25	15.2	27.8
28-Sep-06	24	22	19	17	15	14	18	19	20	24	27	29	32	33	35	36	35	33	29	A	26	25	25	24	25.3	35.7
29-Sep-06	22	22	23	23	18	17	16	16	19	26	28	30	32	33	34	34	34	32	A	28	26	24	24	26	25.6	34.4
30-Sep-06	26	25	23	24	24	24	27	31	32	30	30	30	29	30	33	33	36	A	30	29	26	22	23	21	27.8	36.4
Hourly Avg	17.1	17.0	16.8	15.4	14.3	13.8	14.5	15.9	18.9	22.2	25.6	28.9	31.4	32.8	32.9	32.5	32.6	30.0	27.1	25.0	22.7	20.2	17.7	17.2		
Hourly Max	32.7	31.8	29.0	25.9	23.9	26.1	27.4	30.9	31.9	33.7	36.4	50.2	61.7	66.9	65.1	68.0	68.9	55.8	56.8	46.9	45.0	41.1	38.5	37.0		

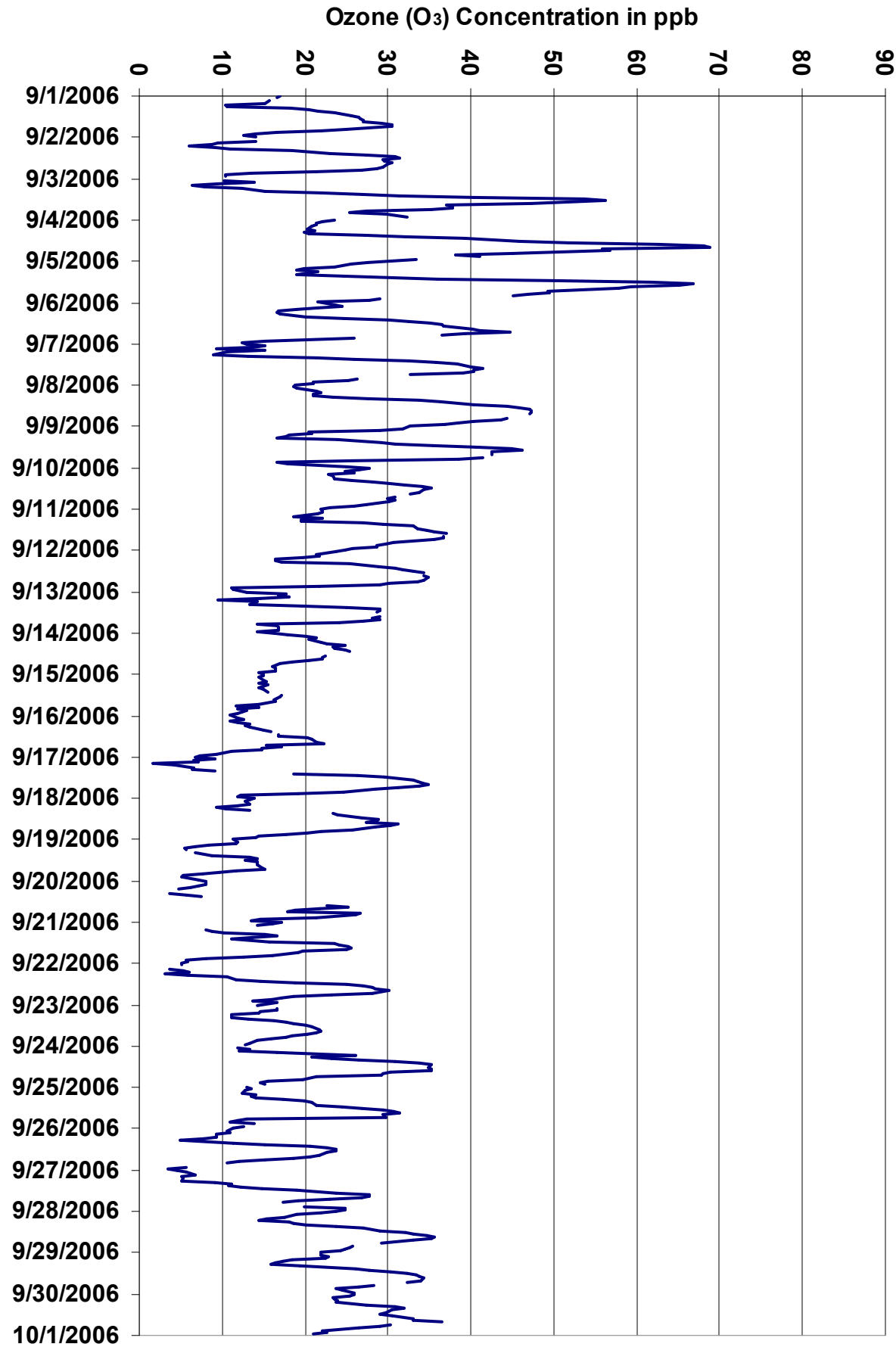
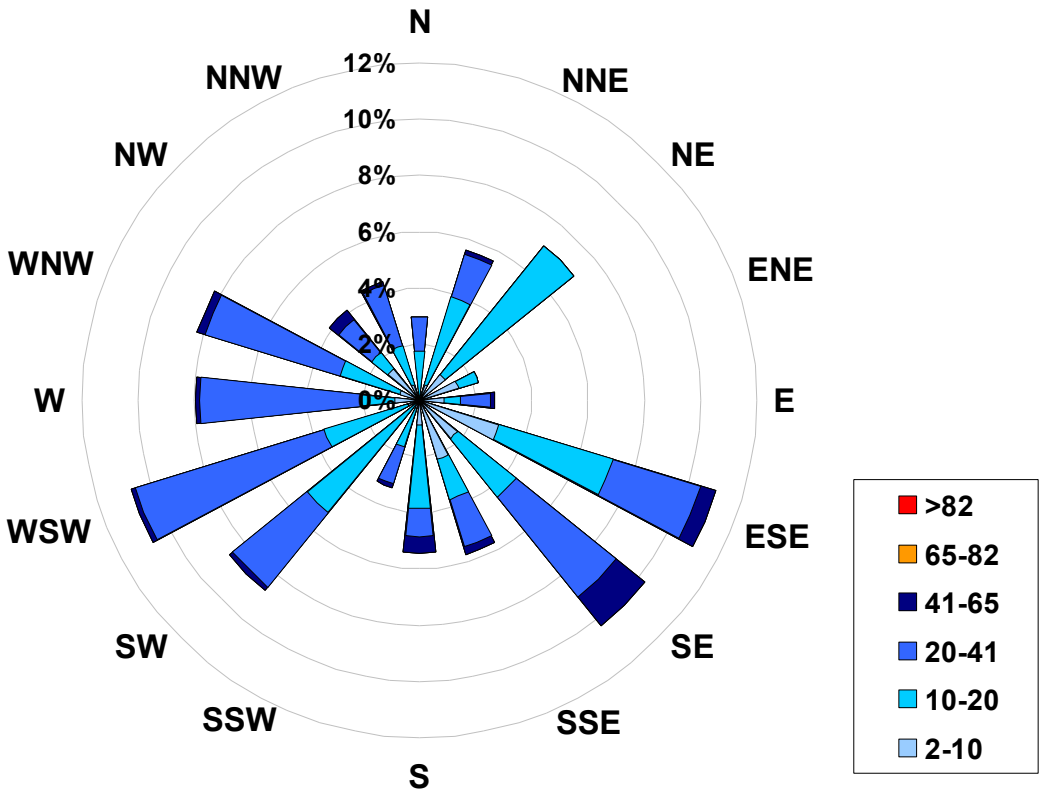


Figure 49. PASZA - Portable-Fahler Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Portable-Fahler Site for September 2006



Calms: 0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	115
10	to	20	262
20	to	41	276
41	to	65	31
65	to	82	0
	>	82	0
Total Non-Zero Values			684

PASZA - Portable-Fahler - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

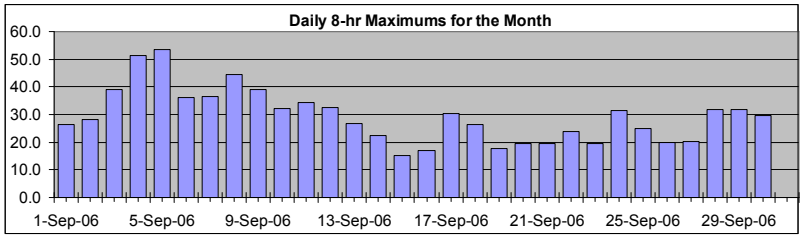
Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	53.3	ppb	5-Sep	19:00 20:00



Percentile	99	95	75	50	25	5	1
	49.2	37.6	25.7	19.1	13.2	6.5	3.9

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	11	12	11	11	11	12	13	13	14	14	15	17	18	20	22	23	25	26	26	26	25	24	22	20	26.4
2-Sep-06	18	16	14	12	10	9	8	8	8	10	12	14	17	20	23	25	27	28	28	27	25	23	21	18	28.2
3-Sep-06	16	13	11	9	8	7	7	8	9	11	13	17	22	28	32	35	37	39	39	38	35	31	29	29	39.1
4-Sep-06	26	24	22	21	21	20	18	18	18	19	20	22	25	29	34	39	45	48	51	51	50	49	48	43	51.3
5-Sep-06	39	35	32	29	26	23	22	21	19	19	19	22	27	33	38	43	48	51	53	53	51	49	43	38	53.3
6-Sep-06	33	29	25	21	19	18	17	16	17	17	18	19	22	24	27	30	33	35	36	36	36	33	29	25	36.1
7-Sep-06	21	17	13	9	9	8	8	8	9	11	13	17	20	24	28	32	35	36	36	37	34	32	29	27	36.6
8-Sep-06	24	21	19	19	19	19	19	19	20	22	24	26	29	32	35	38	41	43	44	45	45	44	43	41	44.6
9-Sep-06	38	36	35	31	28	26	23	20	19	19	19	21	23	26	30	33	36	38	39	39	36	32	27	23	38.9
10-Sep-06	21	22	20	19	20	21	22	23	22	23	24	25	27	28	30	31	32	32	32	31	30	29	28	26	32.1
11-Sep-06	25	24	22	21	20	19	18	17	18	19	20	22	24	26	29	31	33	34	34	34	33	32	30	30	34.4
12-Sep-06	28	26	25	23	22	20	18	17	17	18	19	21	23	25	27	30	32	32	32	32	31	28	25	22	32.4
13-Sep-06	18	16	14	12	10	9	10	11	12	13	15	17	19	21	23	25	26	27	26	24	22	21	20	18	26.8
14-Sep-06	16	15	15	16	16	17	18	19	20	21	21	22	22	22	22	22	21	21	20	18	18	17	17	16	22.3
15-Sep-06	15	15	15	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	14	13	12	12	11	11	15.2
16-Sep-06	10	10	10	10	11	11	11	11	11	12	12	13	13	14	15	16	17	17	17	17	16	15	13	11	17.0
17-Sep-06	10	9	7	6	5	4	4	4	4	4	5	8	12	16	20	24	28	28	30	31	30	28	25	22	30.5
18-Sep-06	19	17	14	13	11	10	10	10	10	11	13	15	17	20	23	25	26	26	26	26	25	23	22	20	26.5
19-Sep-06	18	16	14	12	11	9	8	7	7	6	6	7	8	9	10	10	12	12	12	11	11	10	9	8	17.6
20-Sep-06	7	6	6	5	5	5	5	5	5	5	N	N	N	N	N	N	N	N	N	N	19	19	18	17	19.3
21-Sep-06	16	15	15	14	12	11	10	10	10	10	10	10	12	14	15	17	18	18	19	20	18	16	14	12	19.5
22-Sep-06	9	8	7	5	4	4	4	3	4	5	6	8	10	12	15	18	21	23	24	24	23	22	20	18	24.0
23-Sep-06	16	15	14	14	14	14	13	12	12	13	13	13	14	15	16	18	19	19	19	19	19	18	17	16	19.5
24-Sep-06	15	14	13	12	12	13	13	15	16	18	20	23	26	28	30	31	31	31	29	27	25	22	20	18	31.3
25-Sep-06	16	14	13	12	12	12	12	12	13	14	14	16	17	20	22	24	25	25	24	22	20	18	16	14	24.8
26-Sep-06	11	10	9	9	9	8	8	7	7	7	8	10	12	14	16	18	19	20	19	18	16	15	13	10	19.9
27-Sep-06	8	6	5	5	4	4	4	4	5	6	7	8	9	11	13	16	18	19	19	20	20	20	20	19	20.2
28-Sep-06	19	19	20	20	19	18	17	16	16	16	17	18	21	23	25	28	30	31	31	32	31	30	28	26	31.8
29-Sep-06	25	23	22	21	20	20	18	17	16	17	17	19	21	23	25	28	30	31	32	31	30	29	28	26	31.6
30-Sep-06	25	24	23	23	22	22	22	23	24	25	26	27	27	29	29	29	30	30	29	29	28	27	26	24	29.8
Hourly Max	38.9	36.1	34.5	31.5	28.4	25.7	22.9	22.9	23.8	24.6	25.7	26.5	28.8	32.9	38.4	43.3	48.0	51.2	53.2	53.3	50.7	49.2	48.1	43.4	

PASZA - Portable-Fahler - Total Reduced Sulphur Monthly Summary

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

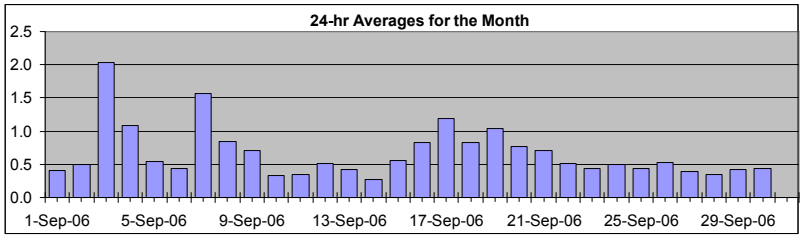
Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Objective Limit: **Alberta Environment:** 1-hr na ppb | 24-hr na ppb

Summary

Maximum 1-hr Average:	8.1	ppb	3-Sep	1:00 2:00
Maximum 24-hr Value:	2.0	ppb	3-Sep	



AIC Time:	33 hrs	Operational Time:	684 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.9	1.9	0.6	0.4	0.4	0.2	0.2	0.7 ppb	0.4 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4	0.5
2-Sep-06	1	A	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.5	1.9
3-Sep-06	A	8	7	4	7	6	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	A	2.0	8.1
4-Sep-06	1	2	4	3	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	1	1	1	A	1	1.1	3.8
5-Sep-06	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	A	1	1	0.5	1.0
6-Sep-06	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	1	0.4	1.0
7-Sep-06	1	0	4	4	3	4	4	7	3	1	0	0	0	0	0	0	0	0	0	A	1	1	2	1	1.6	6.6
8-Sep-06	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	1	0.8	2.3
9-Sep-06	0	0	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	A	0	1	1	1	1	1	0.7	1.8
10-Sep-06	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	0.3	0.5
11-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.3	0.5
12-Sep-06	0	0	0	0	0	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	2	1	1	0.5	2.3
13-Sep-06	1	1	1	1	1	1	1	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.4	0.9
14-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4
15-Sep-06	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	1	0	1	1	1	1	1	1	1	0.6	1.0
16-Sep-06	1	1	1	1	1	1	1	1	1	0	A	1	0	0	1	0	0	1	1	1	1	2	2	2	0.8	2.3
17-Sep-06	2	2	3	3	3	2	2	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.2
18-Sep-06	2	2	2	1	1	1	1	1	A	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0.8	2.3
19-Sep-06	1	1	1	1	1	2	1	A	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1.0	1.6
20-Sep-06	1	1	1	1	1	1	A	1	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	0.8	1.5
21-Sep-06	1	1	1	A	1	2	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0.7	1.5
22-Sep-06	1	1	A	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.0
23-Sep-06	0	A	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	1	0	0	0.4	0.5
24-Sep-06	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	A	0.5	2.4
25-Sep-06	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	1	A	1	0.4	0.6
26-Sep-06	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	0.5	1.2
27-Sep-06	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.4	0.9
28-Sep-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	1	1	0.3	0.6
29-Sep-06	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.4	0.5
30-Sep-06	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	A	1	0	0	0	0	1	0.4	0.6
Hourly Avg	0.7	1.0	1.2	1.0	1.0	1.1	0.9	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.7		
Hourly Max	2.3	8.1	7.0	4.2	7.1	6.0	3.6	6.6	2.5	1.2	1.4	1.1	0.9	0.6	0.6	0.6	0.8	0.8	1.1	2.4	1.6	2.3	2.5	2.3		

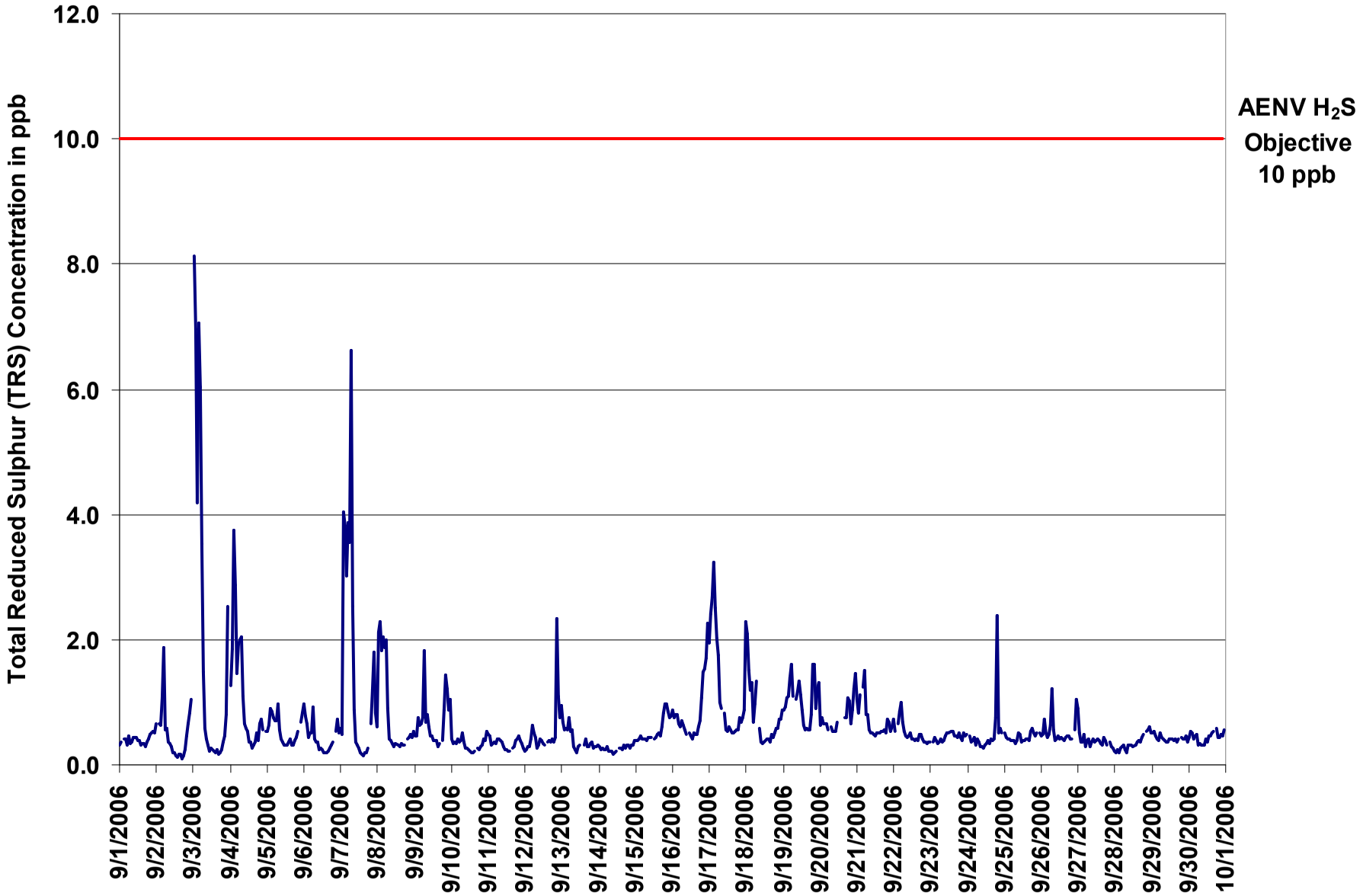


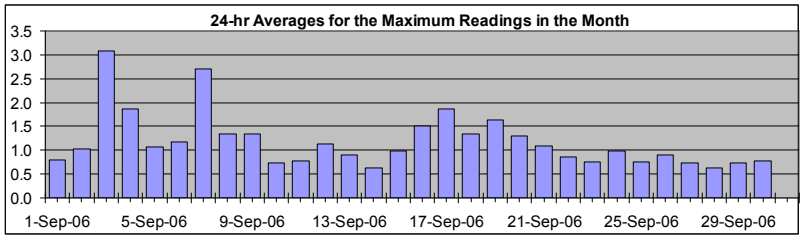
Figure 50. PASZA - Portable-Fahler Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Portable-Fahler
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Value:	10.6	ppb	3-Sep	1:00 2:00
Maximum 24-hr Value:	3.1	ppb	3-Sep	

AIC Time:	33 hrs	Operational Time:	684 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	8.0	2.9	1.1	0.8	0.7	0.6	0.5	1.2 ppb	0.8 ppb

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
2-Sep-06	1	A	1	1	2	3	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	2	1.0	2.8
3-Sep-06	A	11	9	5	10	8	8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	A	3.1	10.6
4-Sep-06	2	4	5	4	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	A	1	1.9	4.9
5-Sep-06	1	1	2	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.1	3.3
6-Sep-06	2	1	1	1	1	1	8	1	1	1	1	1	1	1	1	0	1	1	1	1	A	1	1	1	1.2	8.3
7-Sep-06	1	1	7	5	5	9	5	10	5	1	1	1	1	1	1	0	1	1	1	A	2	2	2	2	2.7	9.9
8-Sep-06	1	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1.3	3.0
9-Sep-06	1	1	1	1	1	1	4	1	2	1	1	1	1	1	1	1	1	A	1	2	3	2	2	2	1.4	4.3
10-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.7	1.0
11-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.8	1.3
12-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	5	4	1	1.1	5.3
13-Sep-06	3	1	1	1	1	1	1	1	1	1	0	1	1	A	1	1	1	1	1	1	1	1	1	1	0.9	2.6
14-Sep-06	1	1	1	1	1	1	1	1	1	0	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
15-Sep-06	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	2	1	1	1	1	1.0	1.6
16-Sep-06	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	3	2	4	4	4	1.5	4.2
17-Sep-06	3	4	4	5	3	3	2	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.9	5.5
18-Sep-06	3	3	2	2	2	1	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	3.2
19-Sep-06	1	1	1	2	2	2	2	A	1	2	2	1	1	1	1	1	1	1	1	2	3	2	3	3	1.6	3.0
20-Sep-06	1	1	1	1	1	1	A	1	1	1	1	1	C	C	C	A	1	1	2	3	1	1	2	2	1.3	2.8
21-Sep-06	2	1	2	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.3
22-Sep-06	1	1	A	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.6
23-Sep-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
24-Sep-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	1	1	1	A	1.0	5.0
25-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.8	1.0
26-Sep-06	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.9	1.6
27-Sep-06	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.7	1.6
28-Sep-06	1	0	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.6	0.9
29-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.7	1.0
30-Sep-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.8	0.9
Hourly Avg	1.3	1.6	1.8	1.6	1.6	1.7	1.9	1.5	1.1	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.2	1.1	1.4	1.4	1.3		
Hourly Max	3.2	10.6	8.5	5.5	9.5	8.8	8.3	9.9	4.7	2.1	2.1	1.5	1.3	1.0	1.0	1.0	1.1	1.1	2.5	5.0	3.0	5.3	3.7	4.2		

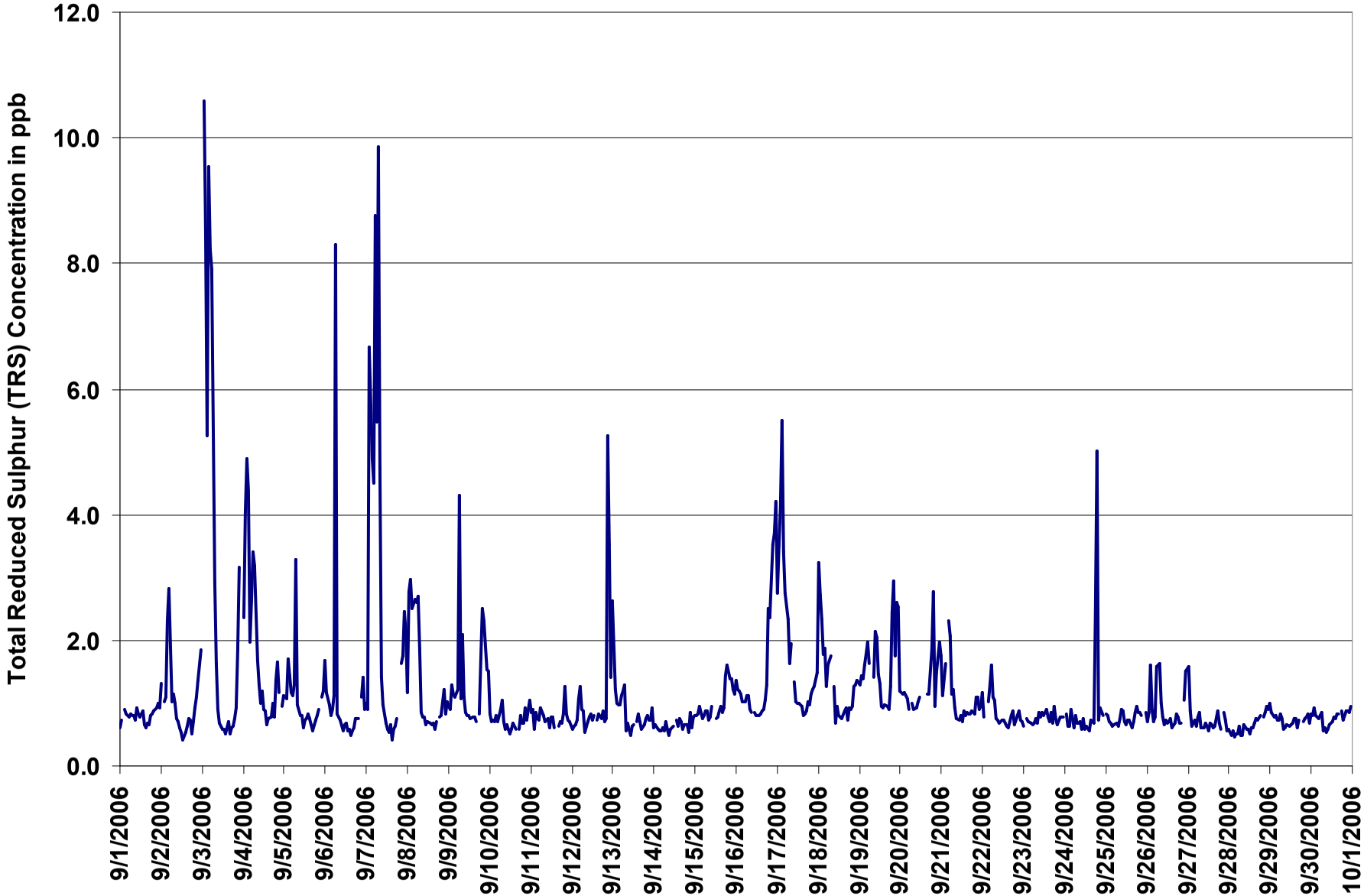
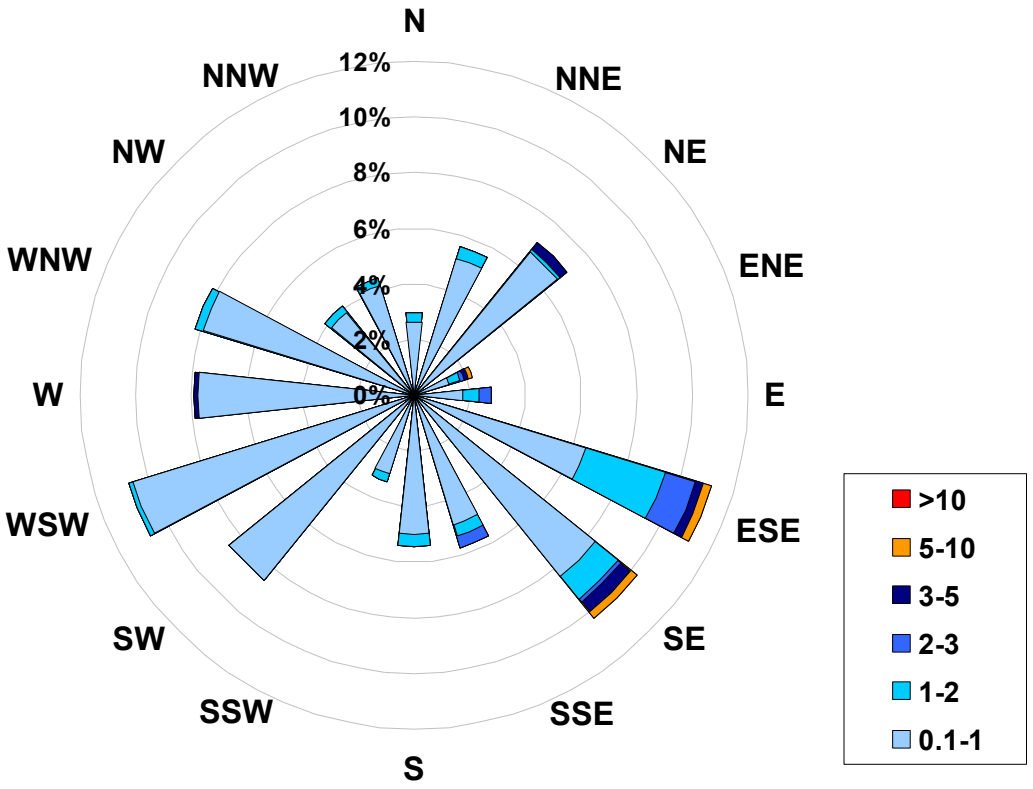


Figure 51. PASZA - Portable-Fahler Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Portable-Fahler Site for September 2006



Calms: 0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	599
1	to	2	55
2	to	3	16
3	to	5	9
5	to	10	5
	>	10	0
Total Non-Zero Values			684

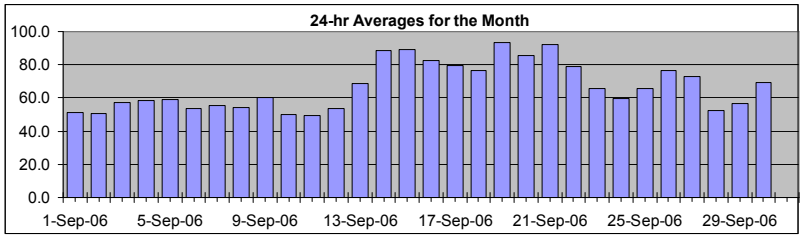
PASZA - Portable-Fahler - Relative Humidity Monthly Summary

HOURLY AVERAGE TABLE

Relative Humidity (RH)

Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	99.9	%	21-Sep	7:00 8:00
Maximum 24-hr Value:	93.2	%	19-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	99.1	96.3	85.4	69.9	49.3	30.6	25.4	66.8 %	69.9 %

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	65	68	68	70	72	80	79	65	56	51	47	44	40	36	32	29	28	27	29	36	42	49	55	61	51.3	80.4
2-Sep-06	64	63	70	76	82	84	81	70	58	48	39	32	28	25	25	24	23	24	27	33	45	52	61	70	50.3	84.2
3-Sep-06	80	84	85	88	92	95	89	84	71	55	44	36	33	31	28	26	25	25	27	36	47	56	69	72	57.3	94.7
4-Sep-06	74	76	81	88	87	86	85	83	80	72	59	48	38	32	28	29	32	35	41	48	46	44	52	56	58.4	87.7
5-Sep-06	62	68	76	82	87	86	85	85	81	70	55	39	33	33	38	39	35	33	37	44	51	58	63	71	58.8	86.8
6-Sep-06	76	71	63	60	74	80	80	79	73	66	52	44	38	34	32	31	28	28	33	35	43	51	55	61	53.6	79.9
7-Sep-06	67	69	77	83	82	85	88	80	69	57	45	40	34	30	27	26	25	28	36	45	52	59	64	67	55.6	87.7
8-Sep-06	76	77	80	80	79	80	77	71	58	48	41	36	33	32	30	27	28	31	37	46	53	59	61	62	54.3	80.3
9-Sep-06	67	67	73	79	82	83	86	82	74	72	67	62	55	48	40	35	34	33	38	43	51	57	60	62	60.5	86.4
10-Sep-06	59	58	58	59	64	67	65	68	52	45	40	35	31	32	33	35	36	39	41	43	49	57	59	67	49.8	68.4
11-Sep-06	69	71	71	76	77	73	78	74	62	45	39	30	29	28	27	26	26	26	30	39	42	45	49	51	49.2	77.7
12-Sep-06	60	65	71	75	80	83	83	78	64	48	42	36	33	33	32	31	31	32	36	39	48	56	63	63	53.4	83.1
13-Sep-06	66	67	70	70	79	84	82	82	76	66	53	49	47	43	44	58	54	59	71	78	79	83	88	95	68.5	95.4
14-Sep-06	93	89	87	87	86	85	85	82	83	86	85	89	92	90	90	86	87	88	88	90	93	94	95	95	88.4	94.6
15-Sep-06	93	93	94	92	90	91	89	89	89	88	87	82	84	87	91	90	89	90	92	94	89	86	85	85	89.1	94.5
16-Sep-06	87	87	87	88	87	86	87	86	84	81	82	80	79	74	78	83	79	79	74	77	78	84	86	90	82.6	89.8
17-Sep-06	88	92	95	98	98	99	98	98	98	99	90	71	61	51	48	47	47	51	61	71	82	88	91	92	79.8	98.8
18-Sep-06	90	90	91	92	94	95	94	92	88	79	71	65	59	57	55	54	53	55	61	68	76	81	83	86	76.3	94.6
19-Sep-06	91	91	93	94	95	96	96	97	97	95	94	93	92	91	89	89	85	86	92	93	96	98	99	96	93.2	98.5
20-Sep-06	94	95	96	96	96	96	97	97	96	90	87	81	73	66	63	61	67	74	77	82	85	92	96	98	85.6	97.9
21-Sep-06	98	98	99	99	99	100	100	100	97	96	96	90	77	76	71	74	81	91	91	94	96	96	96	97	92.2	99.9
22-Sep-06	98	97	98	99	99	99	99	100	98	91	82	74	66	56	52	51	50	53	61	66	71	74	79	75	78.8	99.7
23-Sep-06	79	78	78	80	83	86	91	89	81	70	61	55	49	46	42	40	41	44	52	56	63	67	71	73	65.6	90.8
24-Sep-06	74	75	75	81	80	70	75	72	68	60	49	42	41	39	40	43	44	44	51	56	61	64	60	65	59.7	81.4
25-Sep-06	65	64	65	69	64	67	68	62	60	78	67	51	45	40	37	42	47	74	81	83	86	86	89	90	65.8	90.1
26-Sep-06	93	95	94	95	94	94	94	96	95	92	81	66	53	47	43	44	44	51	60	71	76	81	86	89	76.5	96.0
27-Sep-06	90	89	90	90	92	92	92	88	82	79	73	67	58	52	46	46	50	57	71	75	72	72	65	57	72.8	92.3
28-Sep-06	57	60	68	72	77	76	70	68	61	54	44	40	37	36	34	33	33	36	43	46	47	54	54	58	52.4	76.6
29-Sep-06	63	66	64	68	71	74	73	73	67	53	47	42	39	38	37	36	37	43	51	58	63	68	68	66	56.9	73.9
30-Sep-06	67	69	72	75	78	75	73	73	76	72	68	65	61	57	51	53	72	71	67	67	71	75	75	77	69.1	77.7
Hourly Avg	76.9	77.8	79.7	82.0	83.9	84.9	84.8	82.2	76.4	70.2	63.0	56.1	51.2	48.0	46.1	46.3	47.0	50.3	55.1	60.3	65.2	69.5	72.5	74.9		
Hourly Max	98.1	98.3	98.9	99.1	99.4	99.6	99.8	99.9	98.4	98.8	96.3	92.8	92.0	90.8	90.8	90.4	89.5	90.9	91.9	94.5	96.2	98.3	98.5	97.9		

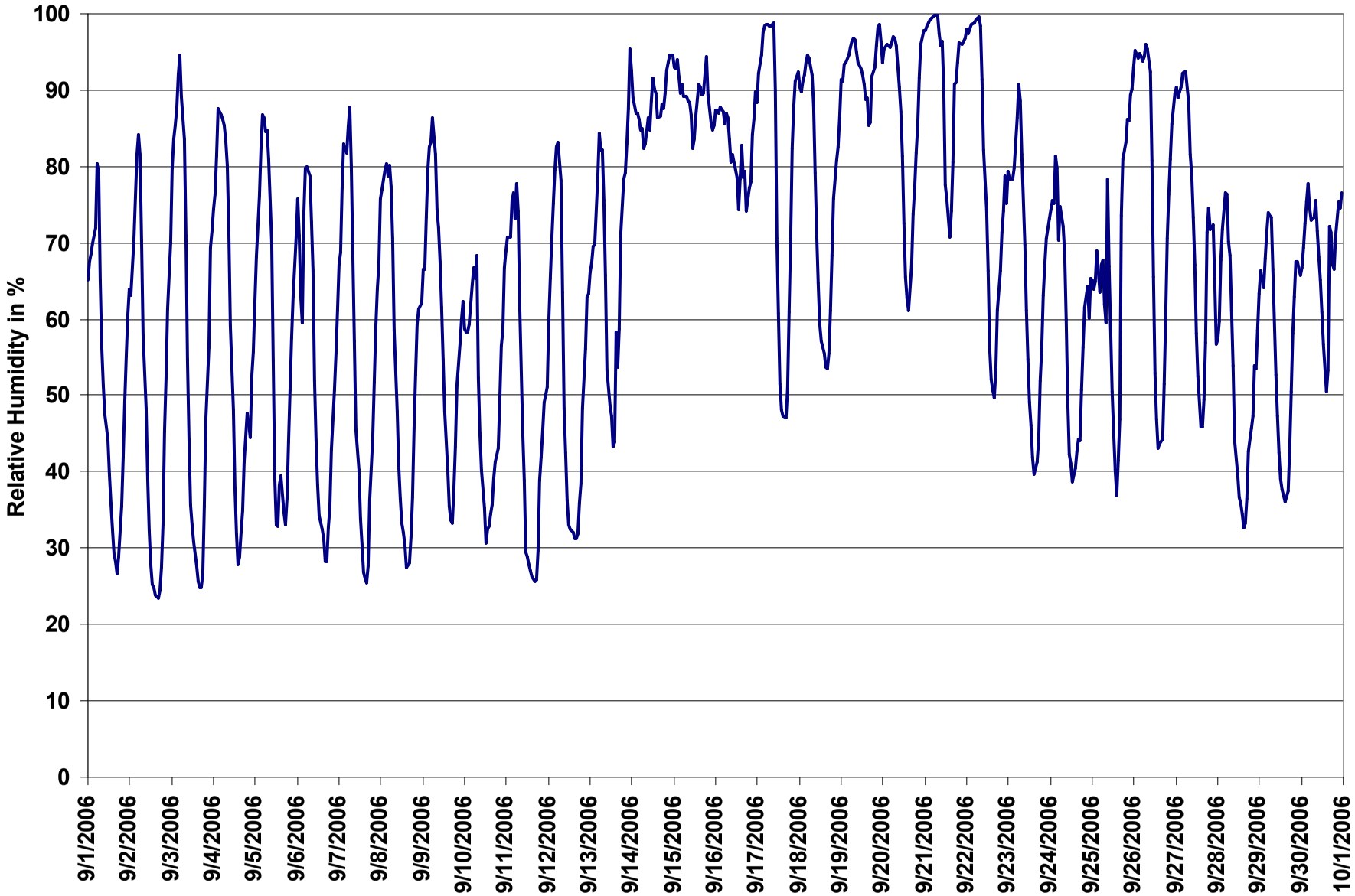


Figure 52. PASZA - Portable-Fahler Relative Humidity 1-hr Average Monthly Trend

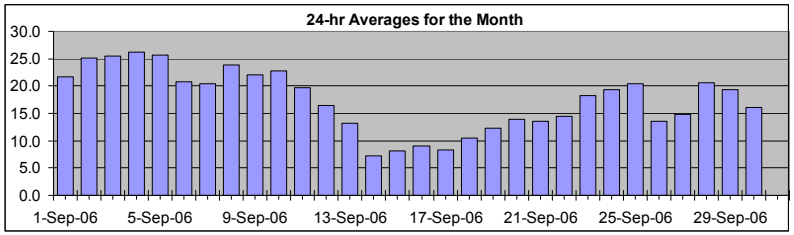
PASZA - Portable-Fahler - Temperature Monthly Summary

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	36.7	°C	3-Sep	16:00 17:00
Maximum 24-hr Value:	26.2	°C	4-Sep	

AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	35.7	31.7	22.1	16.7	11.7	6.7	4.3	17.4 °C	16.7 °C

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Sep-06	14	13	13	13	13	10	11	16	19	21	23	25	27	30	31	32	32	32	31	28	25	22	20	19	21.6	32.0
2-Sep-06	18	19	16	15	14	13	14	18	22	25	29	32	34	35	35	36	36	36	35	32	26	23	21	19	25.1	35.9
3-Sep-06	18	19	18	16	15	15	16	18	21	25	29	32	33	35	36	36	37	37	35	30	26	24	22	21	25.6	36.7
4-Sep-06	19	19	19	18	18	18	18	19	21	24	27	30	33	35	36	36	35	33	31	29	28	28	26	26	26.2	35.9
5-Sep-06	24	22	20	19	18	18	19	20	21	24	28	30	32	34	34	34	34	33	33	30	27	24	22	19	25.7	33.9
6-Sep-06	17	17	17	15	14	13	13	15	18	21	23	25	27	28	28	29	29	28	26	24	21	19	17	15	20.7	29.1
7-Sep-06	14	14	12	11	12	11	10	13	18	21	24	26	28	29	30	30	31	30	27	24	21	20	18	18	20.4	30.5
8-Sep-06	17	16	16	16	16	15	16	18	21	24	26	28	30	31	32	34	34	32	30	27	25	23	22	21	23.8	33.6
9-Sep-06	19	20	18	16	16	16	15	16	18	19	20	22	24	27	29	29	30	30	28	26	23	22	21	20	22.0	30.4
10-Sep-06	22	21	20	20	19	19	19	18	22	24	26	27	29	29	28	28	27	26	25	23	21	18	18	16	22.8	28.6
11-Sep-06	15	15	15	13	13	14	12	15	18	22	23	25	25	26	26	26	26	26	25	21	19	17	16	16	19.6	26.4
12-Sep-06	14	13	12	11	9	9	8	11	15	18	20	21	23	23	24	24	24	23	21	19	16	14	10	11	16.4	23.8
13-Sep-06	10	11	11	11	10	7	7	8	12	15	18	18	19	20	20	17	18	17	15	13	11	10	10	9	13.2	20.2
14-Sep-06	9	9	8	8	8	7	7	7	7	7	7	7	7	7	8	8	8	8	7	7	6	6	5	6	7.2	9.2
15-Sep-06	6	7	7	7	7	7	7	7	7	7	8	8	8	8	9	9	10	10	10	9	10	9	9	9	8.1	9.9
16-Sep-06	8	8	7	7	7	7	7	7	8	9	9	10	10	11	11	11	11	12	12	11	10	9	9	8	9.1	11.6
17-Sep-06	8	6	5	5	2	2	2	3	4	7	10	12	13	14	15	15	15	14	13	10	8	6	5	4	8.3	15.1
18-Sep-06	5	5	4	4	4	4	4	6	8	10	12	13	14	15	15	16	16	16	15	14	14	13	13	12	10.5	16.3
19-Sep-06	12	12	11	11	11	11	11	11	11	12	12	13	13	14	14	14	15	15	14	13	12	12	11	12	12.3	14.6
20-Sep-06	12	11	10	11	11	10	10	10	11	12	14	16	18	19	20	20	19	18	17	15	14	13	12	12	13.9	19.7
21-Sep-06	12	11	11	11	11	11	12	12	13	13	13	14	16	17	18	17	16	15	15	14	13	13	12	12	13.5	17.8
22-Sep-06	11	12	12	11	11	11	10	10	11	12	15	16	18	19	20	20	20	19	17	16	15	14	13	14	14.5	19.8
23-Sep-06	13	13	12	12	11	10	9	11	14	17	20	22	24	25	26	27	27	26	24	22	20	19	18	18	18.3	26.8
24-Sep-06	17	17	16	15	15	16	16	16	17	17	18	19	21	22	23	24	24	24	22	20	20	20	22	20	19.3	24.2
25-Sep-06	19	19	19	19	20	19	19	21	22	20	22	24	25	26	27	25	24	21	19	17	16	16	15	15	20.4	26.6
26-Sep-06	14	13	13	12	11	12	12	12	13	14	16	17	18	19	19	19	19	18	15	12	10	8	7	5	13.6	19.5
27-Sep-06	4	5	5	6	5	5	6	8	10	12	14	16	19	22	24	24	24	23	20	19	20	19	21	22	14.7	24.3
28-Sep-06	21	20	18	16	15	15	16	16	19	21	23	24	24	24	24	25	25	24	23	22	21	19	20	18	20.6	25.3
29-Sep-06	17	16	17	16	15	14	14	15	18	21	23	24	24	24	25	25	24	23	21	19	18	17	17	18	19.3	24.6
30-Sep-06	18	17	17	16	16	16	16	16	17	17	18	18	19	20	21	20	16	16	14	14	13	11	11	10	16.1	21.1
Hourly Avg	14.3	14.0	13.3	12.7	12.2	11.9	11.9	13.1	15.2	17.1	18.9	20.5	21.9	22.9	23.5	23.7	23.5	22.8	21.3	19.4	17.6	16.4	15.5	14.8		
Hourly Max	24.0	22.1	19.8	20.2	20.0	19.2	19.4	21.1	22.2	25.5	28.9	31.8	33.7	35.4	36.3	36.4	36.7	36.6	35.3	31.9	27.9	28.3	26.3	26.0		

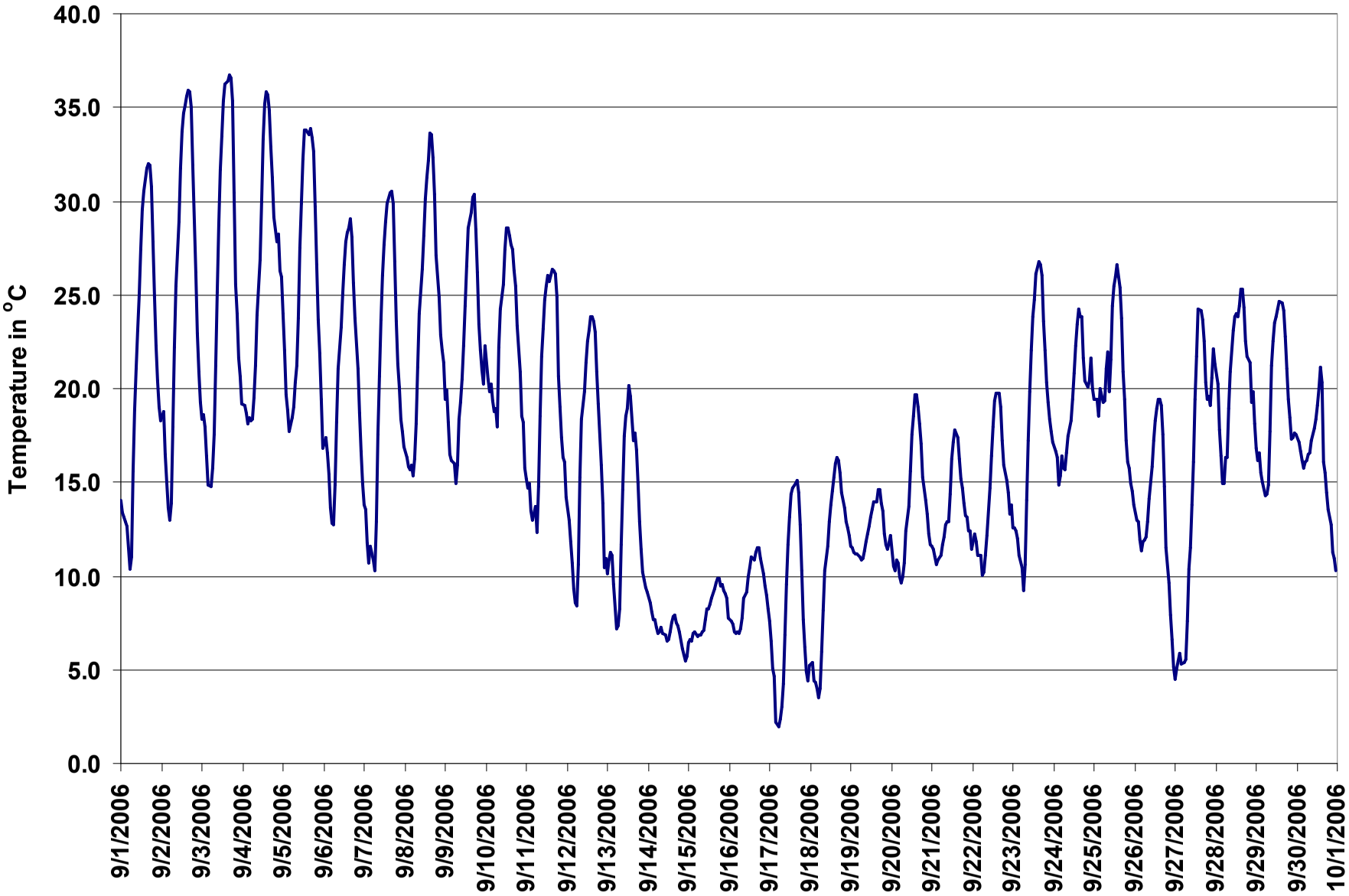


Figure 53. PASZA - Portable-Fahler Temperature 1-hr Average Monthly Trend

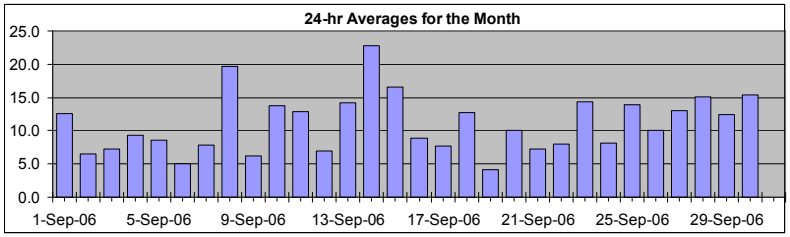
PASZA - Portable-Fahler - Scalar Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.7	km/hr	8-Sep	14:00 15:00
Maximum 24-hr Value:	22.8	km/hr	14-Sep	

Calm Time:	0 hrs	**0%** calms	Operational Time:	720 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageS
	27.0	23.9	14.3	9.7	6.2	3.2	2.3	11.0 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Sep-06	10	10	10	10	8	6	6	13	17	18	15	16	16	18	20	19	18	18	12	8	8	9	8	8	12.6	20.3
2-Sep-06	8	6	7	6	8	8	8	9	8	8	8	7	6	6	7	6	5	5	4	4	7	5	4	8	6.5	9.3
3-Sep-06	8	10	6	6	8	4	2	4	7	4	3	4	6	6	11	12	11	11	7	9	10	9	7	8	7.2	11.7
4-Sep-06	8	11	10	8	10	8	9	8	9	10	7	3	4	3	8	13	10	12	8	6	13	22	13	12	9.3	22.4
5-Sep-06	11	8	6	8	10	14	12	8	6	7	7	13	14	13	11	13	11	10	3	3	5	5	4	4	8.6	14.1
6-Sep-06	6	4	3	7	4	6	4	2	3	4	3	3	5	6	10	10	10	8	2	3	3	5	5	5	5.1	10.0
7-Sep-06	5	4	6	6	8	6	2	3	8	9	8	8	8	9	8	8	9	10	9	11	12	9	10	11	7.8	12.2
8-Sep-06	10	11	11	12	13	13	15	19	24	26	28	29	26	27	31	30	29	27	18	17	18	16	14	9	19.7	30.7
9-Sep-06	8	11	10	9	9	7	3	3	7	8	7	8	8	6	6	8	5	1	4	4	4	4	4	6	6.2	11.1
10-Sep-06	12	9	6	6	6	7	7	5	12	20	19	20	22	25	27	24	19	19	13	16	9	10	11	8	13.8	26.7
11-Sep-06	7	5	6	10	8	9	9	7	12	18	22	27	26	25	22	20	17	14	9	9	5	5	8	10	12.9	27.4
12-Sep-06	9	5	5	3	6	5	7	4	9	12	12	10	11	10	6	8	9	8	6	3	4	6	5	6	7.0	12.1
13-Sep-06	4	7	3	5	4	6	6	3	10	13	17	18	15	11	16	18	22	22	26	23	24	23	23	22	14.2	25.9
14-Sep-06	25	25	24	22	21	21	23	26	25	25	26	23	21	23	23	25	25	21	22	23	22	19	20	19	22.8	26.0
15-Sep-06	20	24	21	19	23	23	22	20	19	20	21	24	24	20	18	15	14	7	4	6	6	8	10	11	16.5	24.1
16-Sep-06	7	6	7	9	10	10	7	10	8	9	11	14	16	20	17	10	12	9	6	3	3	2	3	4	8.9	19.6
17-Sep-06	5	4	2	2	5	4	6	4	3	3	4	6	8	8	11	12	11	15	14	13	12	11	10	10	7.7	14.7
18-Sep-06	11	11	10	10	10	10	11	16	16	19	17	14	13	12	12	12	13	13	15	13	14	12	9	11	12.7	19.1
19-Sep-06	7	9	6	6	4	4	5	4	5	3	3	3	2	3	3	4	3	2	3	2	5	3	3	7	4.2	8.6
20-Sep-06	10	9	11	8	9	12	11	13	12	12	14	15	14	15	14	12	15	13	5	5	5	3	2	3	10.1	15.4
21-Sep-06	5	4	4	4	4	4	6	7	7	6	7	8	7	12	14	16	13	11	10	6	5	5	5	5	7.3	15.9
22-Sep-06	5	5	4	4	3	3	4	3	4	5	7	9	9	11	15	14	14	12	9	10	9	11	10	12	7.9	15.0
23-Sep-06	9	11	14	13	15	14	10	8	7	10	15	18	22	19	19	22	20	21	16	15	14	13	10	10	14.3	22.0
24-Sep-06	10	8	8	8	8	7	5	5	6	9	8	6	8	7	8	10	5	7	9	12	9	9	13	13	8.2	12.8
25-Sep-06	15	14	11	10	12	11	12	18	20	14	15	24	24	25	25	23	13	12	5	10	5	5	4	5	13.8	25.2
26-Sep-06	3	3	11	11	8	6	3	4	5	9	13	16	17	18	20	16	17	17	11	8	6	7	6	7	10.0	19.5
27-Sep-06	9	10	9	10	11	13	13	13	19	18	16	15	14	14	16	12	8	6	10	11	14	12	17	22	13.0	22.3
28-Sep-06	17	13	9	7	7	8	9	10	11	14	21	25	27	23	23	24	22	18	14	13	15	10	11	10	15.2	27.0
29-Sep-06	12	12	9	7	5	3	3	3	6	14	18	22	28	26	22	21	17	13	14	12	11	7	6	7	12.4	27.6
30-Sep-06	8	10	8	9	9	11	13	16	18	18	21	22	23	25	26	24	18	19	15	16	13	11	8	9	15.3	25.8
1-hr Average	9.4	9.2	8.5	8.6	8.8	8.8	8.3	8.8	10.8	12.2	13.1	14.3	14.8	14.8	15.6	15.3	13.8	12.7	10.2	9.8	9.7	9.3	8.8	9.3		
Hourly Max	25.5	24.8	23.6	22.3	22.6	23.3	23.2	25.5	24.8	26.1	28.2	28.9	27.6	26.9	30.7	30.2	29.4	27.0	25.9	23.3	23.9	23.0	23.0	22.3		

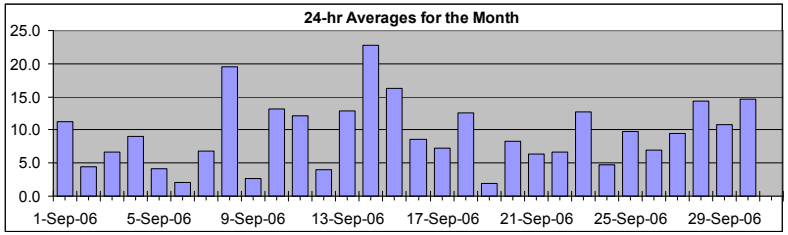
PASZA - Portable-Fahler - Vector Wind Speed Monthly Summary

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006



Summary

Maximum 1-hr Average:	30.5	km/hr	8-Sep	14:00 15:00
Maximum 24-hr Value:	22.8	km/hr	14-Sep	

Calm Time:	1 hrs	**0%** calms	Operational Time: 719 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	26.9	23.8	14.0	9.6	5.7	2.5	1.5	1.2 km/hr

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Sep-06	10	10	10	10	8	6	6	13	17	18	15	15	15	17	20	19	18	17	12	8	8	9	8	8	11.2	19.7
2-Sep-06	8	6	6	6	8	8	8	9	8	8	8	6	5	5	5	5	3	5	3	2	6	5	4	8	4.4	9.3
3-Sep-06	8	10	1	4	8	3	2	4	7	4	3	4	6	5	9	11	10	10	7	9	10	9	7	7	6.7	11.2
4-Sep-06	8	11	10	8	10	8	9	8	8	10	7	2	1	2	7	12	10	10	5	3	12	22	11	12	9.0	22.2
5-Sep-06	11	7	6	8	10	14	12	7	6	6	7	13	13	11	11	13	11	10	3	3	5	5	3	3	4.2	14.1
6-Sep-06	5	4	3	7	3	5	4	2	3	3	2	1	3	5	10	9	9	8	2	2	1	5	5	5	2.1	9.6
7-Sep-06	4	3	5	6	8	4	2	3	8	8	8	7	8	8	7	7	9	10	9	11	12	9	10	11	6.8	12.2
8-Sep-06	10	11	11	12	13	13	15	18	24	26	28	29	25	27	30	30	29	27	18	17	18	16	14	9	19.5	30.5
9-Sep-06	8	11	10	9	8	7	2	3	6	8	7	8	7	5	5	8	4	calm	4	4	4	2	3	5	2.6	11.0
10-Sep-06	11	9	6	6	6	7	6	4	12	19	19	19	22	25	26	23	19	19	13	16	9	10	11	8	13.2	26.1
11-Sep-06	7	4	6	10	8	9	9	6	12	17	21	27	26	25	22	19	17	14	9	9	5	5	8	10	12.2	27.0
12-Sep-06	9	4	4	2	6	4	7	4	9	12	12	9	10	9	4	6	9	8	6	3	3	6	5	6	4.0	11.7
13-Sep-06	4	6	1	2	3	5	6	3	10	13	17	18	14	11	16	18	22	22	26	23	24	23	23	22	12.8	25.7
14-Sep-06	25	25	24	22	21	21	23	25	25	25	26	22	20	23	23	25	25	21	22	23	22	19	20	19	22.8	25.9
15-Sep-06	20	24	21	18	23	23	22	19	18	20	20	24	24	20	18	15	14	7	4	6	6	8	10	11	16.3	24.1
16-Sep-06	7	6	7	9	10	10	7	10	8	9	11	13	16	19	17	10	11	9	6	3	3	2	2	3	8.5	19.4
17-Sep-06	5	2	1	2	5	4	5	4	3	2	3	5	7	7	10	11	11	14	14	13	12	11	10	10	7.2	14.4
18-Sep-06	11	11	10	10	10	10	11	16	16	19	16	14	13	12	12	11	13	13	15	13	14	12	9	11	12.6	18.9
19-Sep-06	7	8	6	6	4	4	5	4	5	3	3	3	2	2	3	4	2	2	3	2	4	3	3	7	1.9	8.5
20-Sep-06	10	9	11	8	9	12	11	13	12	12	14	15	14	15	13	12	15	12	5	4	5	2	2	3	8.3	15.2
21-Sep-06	5	4	3	4	4	4	6	7	7	6	7	7	7	12	13	16	13	11	10	6	5	5	5	5	6.3	15.7
22-Sep-06	5	5	4	4	2	2	4	2	4	5	6	8	9	11	15	14	13	12	9	10	9	11	10	12	6.7	14.6
23-Sep-06	9	11	14	13	14	14	10	8	7	10	15	18	22	18	19	22	19	21	16	15	14	13	10	10	12.8	21.7
24-Sep-06	10	8	8	8	8	7	4	5	5	9	8	6	7	6	7	10	5	7	9	12	8	9	13	13	4.8	12.8
25-Sep-06	15	14	11	10	12	11	11	18	20	13	15	24	24	25	24	21	12	11	5	10	4	4	3	5	9.8	24.8
26-Sep-06	2	2	11	10	8	6	3	3	5	9	12	16	17	18	19	15	16	16	11	8	6	7	6	6	6.9	19.2
27-Sep-06	9	10	9	10	11	13	13	12	19	18	15	15	14	14	15	12	8	6	10	11	14	12	16	22	9.4	22.1
28-Sep-06	17	13	9	7	5	8	9	10	11	14	21	25	27	23	23	24	22	18	14	13	15	10	11	10	14.3	26.8
29-Sep-06	12	12	8	7	5	2	3	3	6	13	17	21	28	26	22	20	17	13	14	12	11	7	5	7	10.8	27.5
30-Sep-06	7	10	8	9	9	11	13	16	18	18	21	22	23	25	26	23	16	18	14	16	13	11	8	9	14.7	25.6
1-hr Vector	1.3	1.5	1.3	1.9	2.5	2.5	1.7	1.7	2.5	2.6	2.8	3.7	4.6	4.9	5.0	4.7	3.7	1.7	0.7	0.6	2.0	2.2	1.2	1.3		
Hourly Max	25.3	24.7	23.6	22.3	22.5	23.3	23.1	25.4	24.7	26.0	28.1	28.7	27.5	26.8	30.5	30.1	29.3	26.9	25.7	23.2	23.8	23.0	22.9	22.1		

PASZA - Portable-Fahler - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Portable-Fahler
Station Owner: PASZA

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms								Operational Time:																			720 hrs	
Calibration Time:	0 hrs									AMD Operational Uptime:																			100.0%	
Percentile	99	95	75	50	25	5	1	Average																						
	346.0	324.5	258.6	177.5	111.0	25.7	8.0	236 deg																						

Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Sep-06	217	218	219	220	220	185	199	227	238	251	261	255	252	247	254	260	255	252	251	207	186	186	168	162	235	SW
2-Sep-06	162	159	132	122	121	116	128	149	166	182	174	196	197	185	220	170	176	229	275	33	78	66	61	76	150	SSE
3-Sep-06	113	110	128	103	115	141	137	146	161	172	169	155	151	176	133	124	124	145	127	109	103	107	96	129	128	SE
4-Sep-06	106	109	117	118	116	120	128	126	124	129	146	138	170	168	130	125	128	143	93	150	120	104	144	135	125	SE
5-Sep-06	125	111	105	128	126	132	134	168	222	201	179	195	180	214	257	279	303	315	313	189	201	212	279	134	185	S
6-Sep-06	176	214	325	346	338	249	282	296	302	335	99	203	201	269	299	301	306	320	330	343	93	132	95	62	300	WNW
7-Sep-06	38	105	125	56	56	76	269	69	117	136	139	146	136	137	156	124	132	126	126	120	104	103	113	112	117	ESE
8-Sep-06	111	114	115	115	111	113	109	109	120	126	128	129	133	129	127	124	123	123	124	123	125	125	124	134	123	ESE
9-Sep-06	128	131	123	117	114	128	162	139	187	223	232	232	254	300	325	336	12	89	160	161	128	139	140	204	161	SSE
10-Sep-06	262	290	289	272	241	246	232	178	248	254	262	265	272	255	265	273	281	260	254	258	232	228	245	235	259	W
11-Sep-06	243	253	238	251	230	211	218	228	249	251	257	274	272	275	284	275	278	278	262	254	236	249	226	249	260	W
12-Sep-06	246	243	228	177	166	171	206	225	259	282	284	286	288	291	273	306	318	316	336	330	122	160	105	146	266	W
13-Sep-06	122	169	346	46	306	316	338	313	341	8	12	10	1	1	349	340	341	354	8	12	11	10	10	9	2	N
14-Sep-06	23	30	31	30	24	27	23	25	25	24	26	27	21	25	23	30	34	30	33	36	35	33	36	39	29	NNE
15-Sep-06	46	46	38	49	57	46	42	42	42	45	47	53	53	51	51	52	49	35	2	346	26	35	40	42	45	NE
16-Sep-06	34	34	37	46	53	69	53	50	60	42	3	12	18	39	44	32	26	32	52	28	17	30	42	61	37	NE
17-Sep-06	94	80	168	130	97	105	129	151	132	163	173	152	157	159	135	138	149	139	140	136	125	111	114	108	133	SE
18-Sep-06	110	114	114	109	109	104	104	104	111	106	114	101	91	100	89	103	114	109	106	95	98	107	98	108	105	ESE
19-Sep-06	81	90	85	89	72	68	93	95	116	110	106	136	216	254	254	289	333	287	278	201	180	181	158	174	116	ESE
20-Sep-06	183	172	162	155	159	159	152	153	161	163	159	152	167	173	166	153	132	129	188	339	346	345	333	3	158	SSE
21-Sep-06	9	10	313	290	297	293	304	327	10	16	26	38	1	335	344	334	311	299	301	300	298	316	316	312	330	NNW
22-Sep-06	297	295	300	316	310	246	281	280	261	234	222	224	230	228	230	226	234	229	204	189	185	193	191	215	228	SW
23-Sep-06	216	226	230	226	229	242	240	238	253	265	283	291	304	307	296	283	275	268	264	255	238	241	243	246	262	W
24-Sep-06	243	258	284	335	336	341	299	289	293	304	307	278	249	231	277	261	243	141	147	154	175	218	225	218	252	WSW
25-Sep-06	220	227	226	223	240	225	225	252	255	269	267	284	284	288	288	322	317	6	30	34	19	30	324	356	277	W
26-Sep-06	348	17	36	50	59	43	340	313	277	286	309	317	339	342	351	354	12	42	50	50	78	102	111	110	9	N
27-Sep-06	105	109	116	127	123	125	128	142	168	168	170	170	185	198	210	235	232	195	175	178	196	212	246	266	178	S
28-Sep-06	273	278	276	287	207	253	258	260	255	267	286	295	298	300	299	286	289	282	269	276	274	236	256	248	279	W
29-Sep-06	261	271	250	202	214	176	171	220	224	269	287	297	299	291	292	300	291	262	248	238	236	245	244	248	271	W
30-Sep-06	240	232	231	219	228	228	233	234	239	241	247	246	246	241	240	245	298	257	263	265	264	269	280	262	248	WSW
Hourly Avg	162	139	122	103	116	127	146	157	201	234	260	272	277	275	284	292	308	279	246	175	135	138	149	161		

PASZA - Portable-Fahler - Standard Deviation of Wind Direction Monthly Summary

Station: Portable-Fahler
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: September 1, 2006 to October 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 720 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	49.1	30.7	12.8	6.5	3.9	2.1	1.6

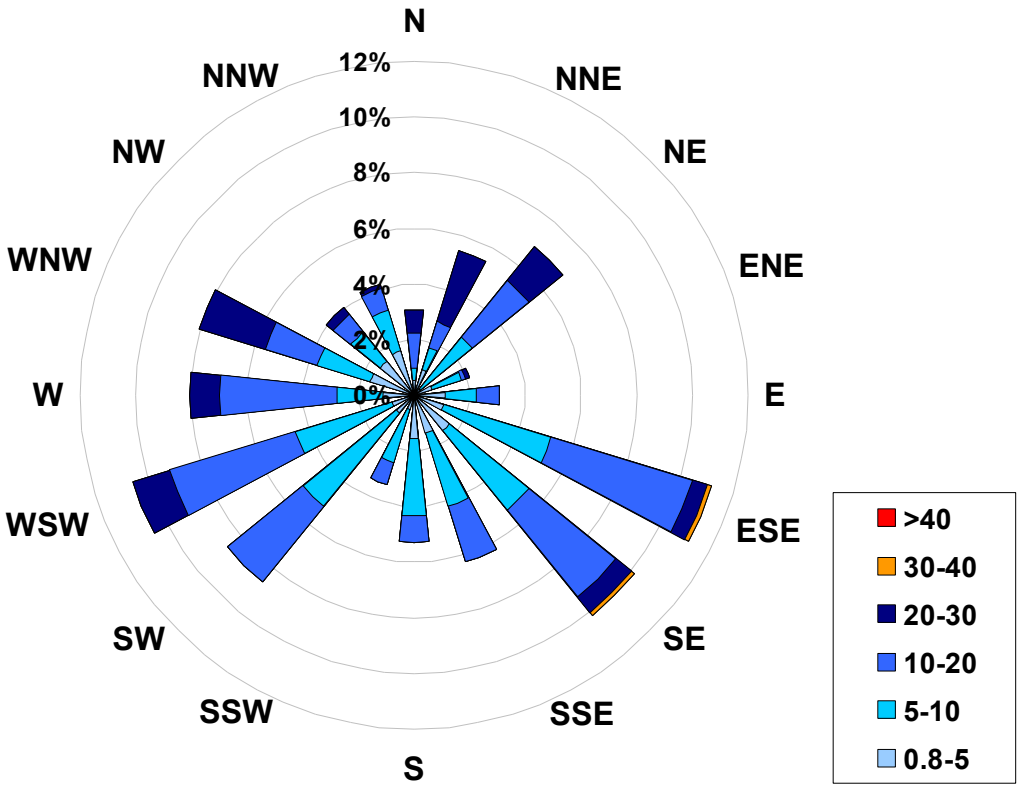
Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Sep-06	1	2	3	3	6	5	4	4	6	9	13	15	11	13	13	12	11	8	5	6	9	5	6	6	14.7
2-Sep-06	4	9	8	11	4	3	5	4	8	10	13	25	31	49	42	42	52	25	14	13	18	7	10	7	52.4
3-Sep-06	7	3	23	18	3	22	14	8	8	22	37	31	28	41	33	16	17	14	5	3	2	3	4	20	40.8
4-Sep-06	3	3	3	2	2	3	2	4	7	5	11	49	48	62	34	9	4	23	22	50	7	5	25	5	62.0
5-Sep-06	5	7	11	15	3	2	3	10	11	14	16	9	14	16	14	12	12	8	10	15	11	9	23	35	34.8
6-Sep-06	9	24	15	8	14	19	14	12	16	31	48	63	53	42	26	16	20	8	13	26	29	11	24	20	62.5
7-Sep-06	22	19	13	8	4	24	31	10	9	13	13	22	24	30	23	37	18	12	2	2	3	4	4	3	37.5
8-Sep-06	3	3	2	2	2	2	2	2	3	5	5	6	7	6	5	4	4	3	2	2	1	1	2	5	6.6
9-Sep-06	7	2	2	4	5	17	22	14	11	10	14	13	20	31	33	18	20	48	12	5	16	23	25	10	48.3
10-Sep-06	6	4	5	4	5	3	15	10	6	6	7	14	11	11	10	9	8	6	6	5	5	6	3	7	14.8
11-Sep-06	5	9	6	10	3	8	4	5	6	9	11	8	9	9	9	9	9	8	9	5	9	9	8	3	10.9
12-Sep-06	4	5	39	29	18	9	7	4	7	10	13	18	19	21	67	29	18	10	6	7	22	6	19	10	67.0
13-Sep-06	18	29	48	33	51	17	8	22	7	8	9	9	9	17	10	4	4	3	4	5	4	3	4	4	51.4
14-Sep-06	4	3	4	3	4	4	4	4	5	6	5	4	6	5	6	5	4	5	3	3	3	3	3	3	6.2
15-Sep-06	3	3	3	4	3	2	3	4	4	4	5	5	4	4	4	4	5	5	6	4	5	2	2	2	6.2
16-Sep-06	3	4	3	3	3	4	7	6	11	13	7	8	8	7	6	11	11	9	7	8	16	27	20	20	27.0
17-Sep-06	6	26	29	44	6	9	7	6	13	35	35	33	21	34	20	18	13	9	3	2	3	2	3	3	44.5
18-Sep-06	3	3	2	2	3	2	2	2	4	7	9	13	12	16	17	16	13	9	4	3	4	4	4	3	17.3
19-Sep-06	7	4	9	5	11	7	5	10	6	14	13	16	27	19	21	14	28	20	6	14	6	9	14	4	27.9
20-Sep-06	3	2	2	4	4	5	6	5	6	8	7	9	13	8	12	13	5	9	5	33	10	16	23	12	32.8
21-Sep-06	6	6	10	4	3	6	5	6	11	16	11	16	18	12	13	8	8	5	5	4	4	8	5	6	18.0
22-Sep-06	5	4	4	7	28	20	7	18	13	12	17	13	15	18	12	12	8	4	3	2	3	3	4	4	28.1
23-Sep-06	2	2	2	2	2	4	2	3	6	14	12	10	8	13	10	9	6	5	2	3	2	1	1	2	13.9
24-Sep-06	4	5	6	4	4	9	17	7	6	7	14	21	24	39	29	18	13	12	2	3	6	4	2	2	38.6
25-Sep-06	2	2	3	3	3	2	4	2	4	3	4	6	7	6	7	9	7	16	14	3	24	30	28	13	29.8
26-Sep-06	20	32	6	5	5	6	15	9	10	8	11	9	12	10	10	13	12	5	3	8	23	8	6	14	32.5
27-Sep-06	4	3	3	3	2	3	2	6	4	5	6	7	11	13	11	7	4	8	5	4	3	2	5	3	12.6
28-Sep-06	3	3	3	6	30	4	5	2	3	7	6	6	6	6	5	6	7	4	4	4	4	7	3	3	29.6
29-Sep-06	2	2	5	6	5	9	19	8	8	7	6	6	5	7	6	7	6	6	6	2	2	4	4	3	18.7
30-Sep-06	4	2	3	3	3	2	3	2	3	4	4	4	5	5	8	6	13	6	5	4	6	4	18	7	17.9
Hourly Max	22	32	48	44	51	24	31	22	16	35	48	63	53	62	67	42	52	48	22	50	29	30	28	35	

1-hr Average Wind Rose (in km/hr) Located at the Portable-Fahler Site for September 2006



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	126
5	to	10	255
10	to	20	252
20	to	30	85
30	to	40	2
	>	40	0
Total Non-Zero Values			720

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for September 2006

Station Number	Station Name	PASZA SO2 ppb	PASZA O3 ppb	PASZA NO2 ppb	Site Legal
Duplicates					
43a	High Prairie	**0.1**	**25.1**	**1.0**	
43b	High Prairie	**0.2**	**25.8**	**1.2**	
44a	Peavine	**0.2**	**21.7**	**0.3**	
44b	Peavine	**0.1**	**20.2**	**0.4**	
45a	Gift Lake	**0.1**	**18.6**	**0.8**	
45b	Gift Lake	**0.1**	**19.6**	**0.8**	
49a	Grande Prairie HP	**0.2**	**23.1**	**6.6**	
49b	Grande Prairie HP	**0.2**	**22.6**	**6.1**	
1	Silver Valley	**0.2**	**24.0**	**1.3**	08-27-081-11 W6M
2	Bay Tree	**0.2**	**25.2**	**0.7**	13-16-078-13 W6M
3	Forth Creek	**0.3**	**30.3**	**0.8**	04-13-082-07 W6M
4	Gordondale	**0.3**	**27.9**	**1.2**	04-34-078-10 W6M
5	Boone Creek	**0.3**	**24.2**	**2.0**	01-23-076-11 W6M
7	Steeprock Creek	**0.2**	**26.3**	**0.8**	09-35-072-13 W6M
9	Spirit River	**0.3**	**24.3**	**1.9**	08-12-079-07 W6M
10	Woking	**0.3**	**23.8**	**1.0**	01-13-076-07 W6M
11	Webber Creek	**0.3**	**22.5**	**1.5**	09-36-074-09 W6M
12	Hythe	**0.4**	**23.9**	**1.4**	14-36-072-11 W6M
14	Sylvester	**0.0**	**19.3**	**0.7**	08-06-069-12 W6M
16	Beaverlodge	**0.3**	**27.3**	**1.9**	15-36-071-10 W6M
17	Poplar	**0.3**	**24.2**	**1.6**	13-06-073-08 W6M
18	Saddle Hills	**0.4**	**23.7**	**1.1**	04-25-074-07 W6M
19	Wanham	**0.3**	**27.2**	**0.7**	16-22-077-03 W6M

Table 1. PASZA Passive Stations for September 2006 (Continued)

		PASZA			
Station Number	**Station Name**	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
20	Shaftesbury	**0.2**	**22.1**	**0.7**	04-03-082-23 W5M
21	Eaglesham	**0.1**	**20.1**	**0.3**	16-21-079-25 W5M
23	Bear Lake	**0.3**	**22.1**	**2.0**	15-31-072-06 W6M
24	Wembley	**0.2**	**23.5**	**2.0**	12-31-070-08 W6M
25	Pinto Creek	**0.2**	**20.9**	**1.0**	04-24-069-11 W6M
26	Flyingshot	**0.2**	**21.9**	**1.7**	15-36-070-07 W6M
27	Grande Prairie I	**0.3**	**22.4**	**5.0**	08-15-071-06 W6M
28	Clairmont Lake	**0.4**	**24.1**	**1.4**	09-06-073-04 W6M
29	Smoky Heights	**0.4**	**29.1**	**1.4**	04-06-075-02 W6M
30	Fitzsimmons	**0.2**	**24.6**	**1.7**	15-36-072-03 W6M
32	Gold Creek	**0.2**	**15.2**	**1.7**	06-33-067-05 W6M
33	Wapiti	**0.2**	**23.4**	**1.4**	02-25-071-03 W6M
34	Puskwaskau	**0.1**	**19.3**	**0.5**	15-35-074-25 W5M
35	Jean Cote	**0.4**	**24.1**	**0.9**	12-35-079-21 W5M
36	Guy	**0.2**	**23.6**	**0.8**	03-04-076-22 W5M
37	Crooked Creek	**0.3**	**25.4**	**1.6**	16-01-071-26 W5M
38	Karr Creek	**0.1**	**16.5**	**0.6**	10-16-065-02 W6M
39	Clouston Creek	**0.3**	**25.1**	**1.1**	12-01-073-22 W5M
40	McLennan	**0.5**	**24.6**	**1.0**	03-29-077-19 W5M
41	Valleyview	**0.6**	**26.8**	**1.2**	09-30-069-22 W5M
42	Sunset House	**0.4**	**29.1**	**0.8**	05-32-070-19 W5M
43	High Prairie	**0.1**	**25.5**	**1.1**	16-13-074-17 W5M
44	Peavine	**0.1**	**20.9**	**0.4**	03-05-079-15 W5M
45	Gift Lake	**0.1**	**19.1**	**0.8**	10-07-079-12 W5M
46	Little Smoky	**0.4**	**20.6**	**2.1**	12-01-065-21 W5M
47	Kinuso	**0.2**	**19.7**	**0.5**	12-10-073-10 W5M
48	Deer Mountain	**0.2**	**21.4**	**0.5**	15-22-068-09 W5M
49	Grande Prairie HP	**0.2**	**22.8**	**6.4**	17-26-071-06 W6M

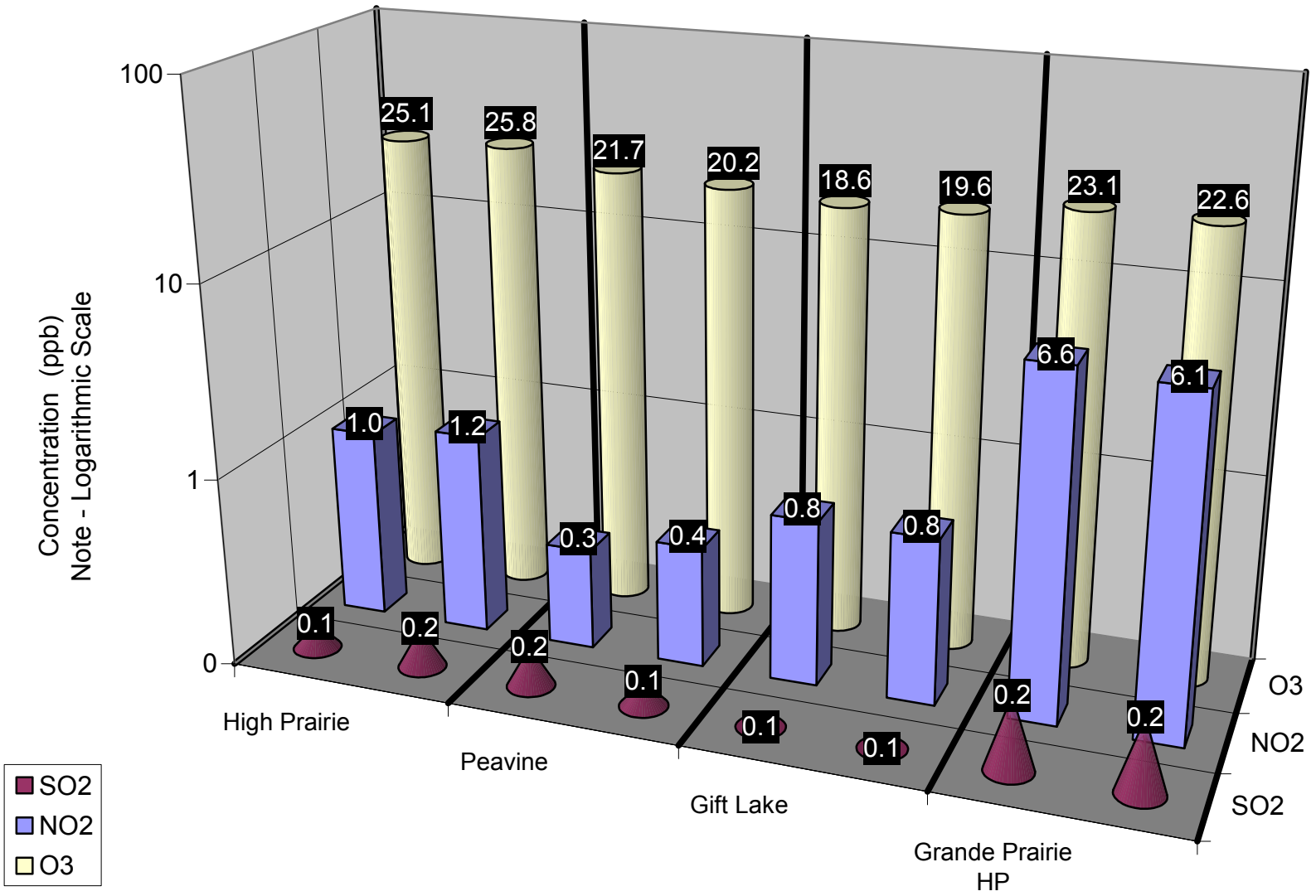


Figure 54. Duplicate Summary Chart

Table 2. Passive Summary Results for September 2006

Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2
	ppb	ppb	ppb
	Passive Summary for September 2006 (PASZA Zone)		
Mean	**0.3**	**23.4**	**1.4**
Standard Deviation	**0.1**	**3.2**	**1.1**
Minimum	**0.0** Sylvester (#14)	**15.2** Gold Creek (#32)	**0.3** Eaglesham (#21)
Maximum	**0.6** Valleyview (#41)	**30.3** Forth Creek (#3)	**6.4** Grande Prairie HP (#49)

Comparison between Continuous and Passive monitoring at Beaverlodge (passive #16 Beaverlodge)

	SO_2	O_3	NO_2
AENV Beaverlodge station	**0.5**	**25.4**	**2.6**
PASZA Beaverlodge passive	**0.3**	**27.3**	**1.9**

Comparison between Continuous and Passive monitoring at Henry Pirker (passive #49 Grande Prairie HP)

	SO_2	O_3	NO_2
PASZA Henry Pirker station	**0.4**	**18.0**	**7.9**
PASZA Grande Prairie passive	**0.2**	**22.8**	**6.4**

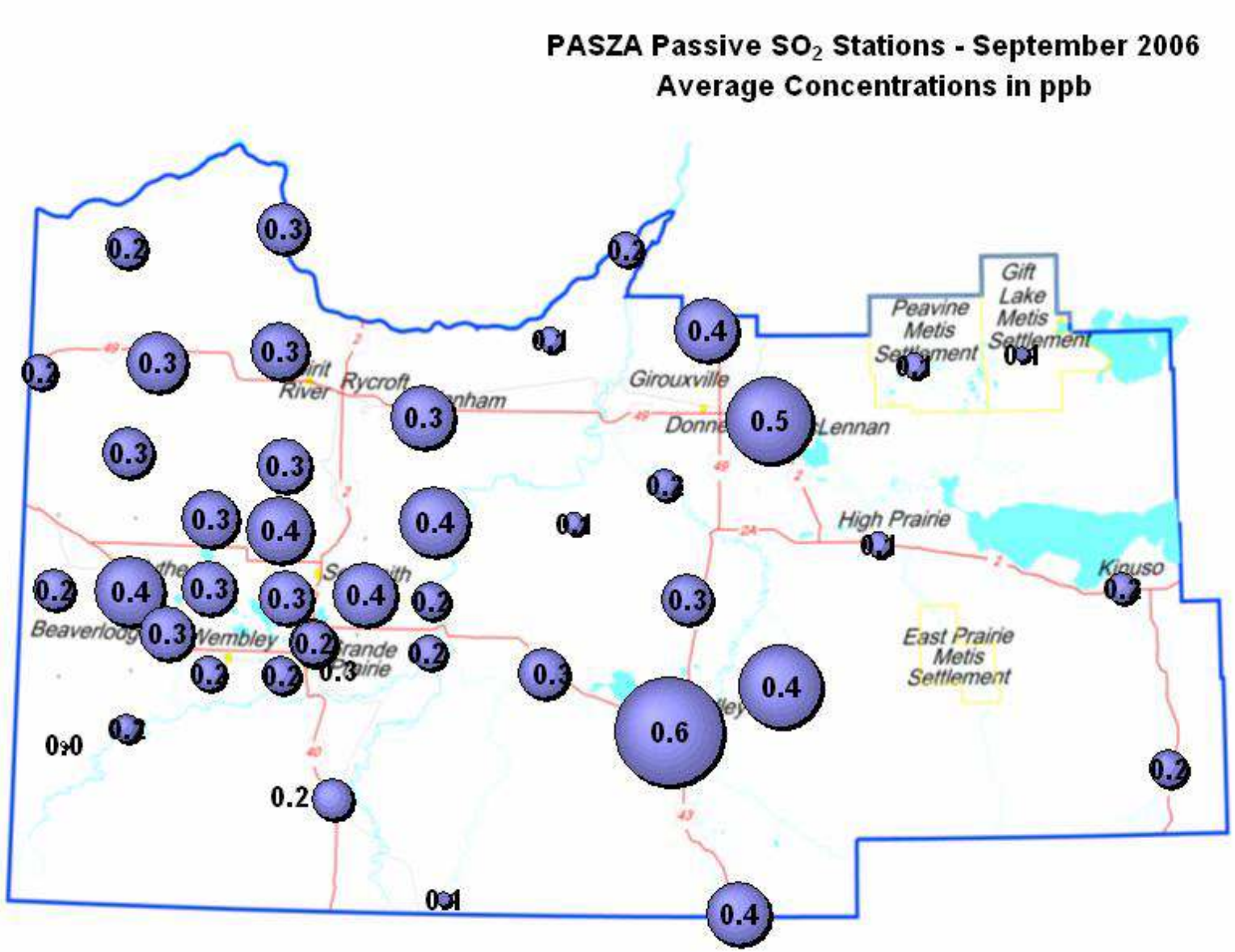


Figure 55. SO_2 Bubble Chart

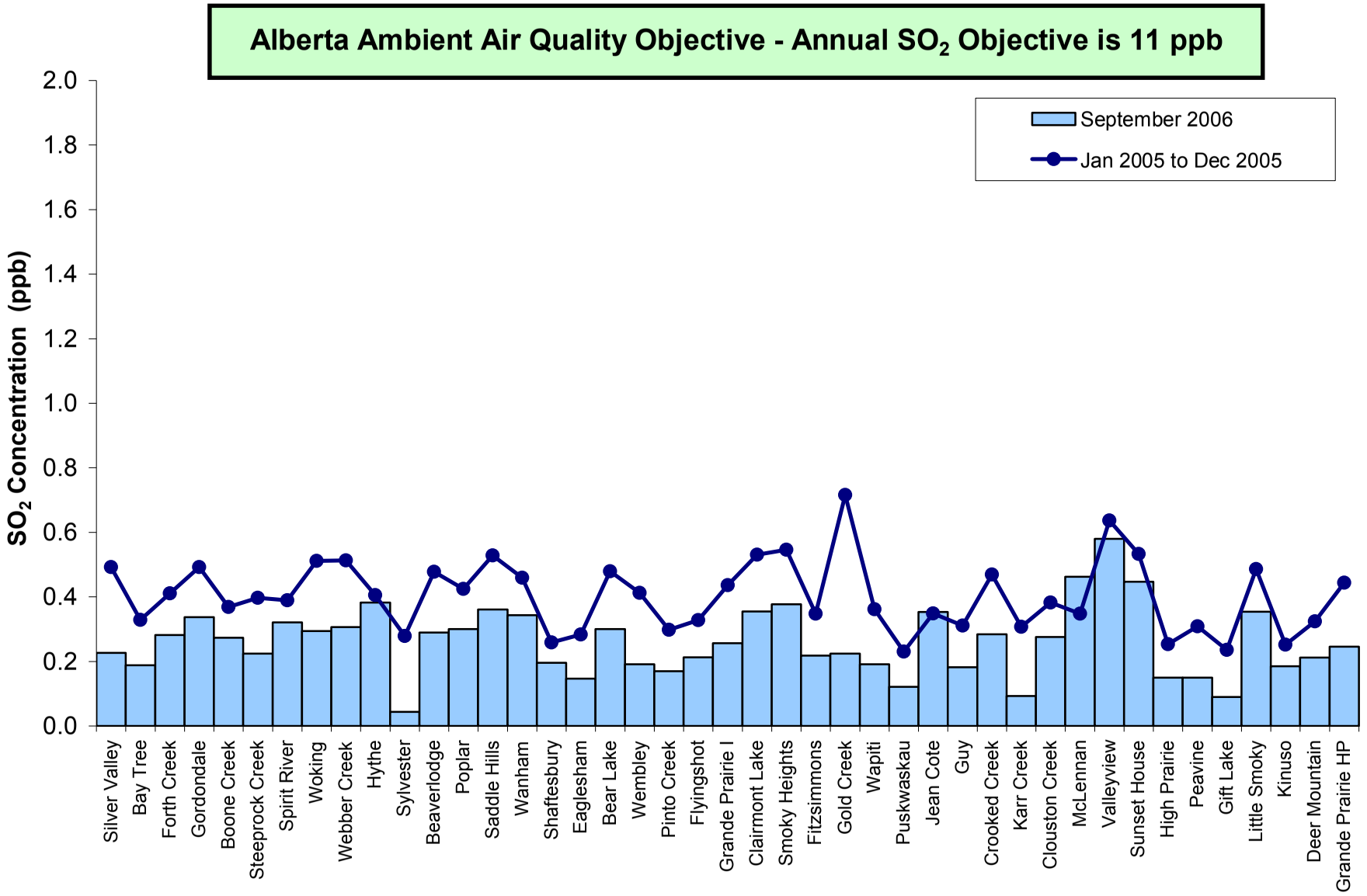


Figure 56. SO_2 Summary Chart

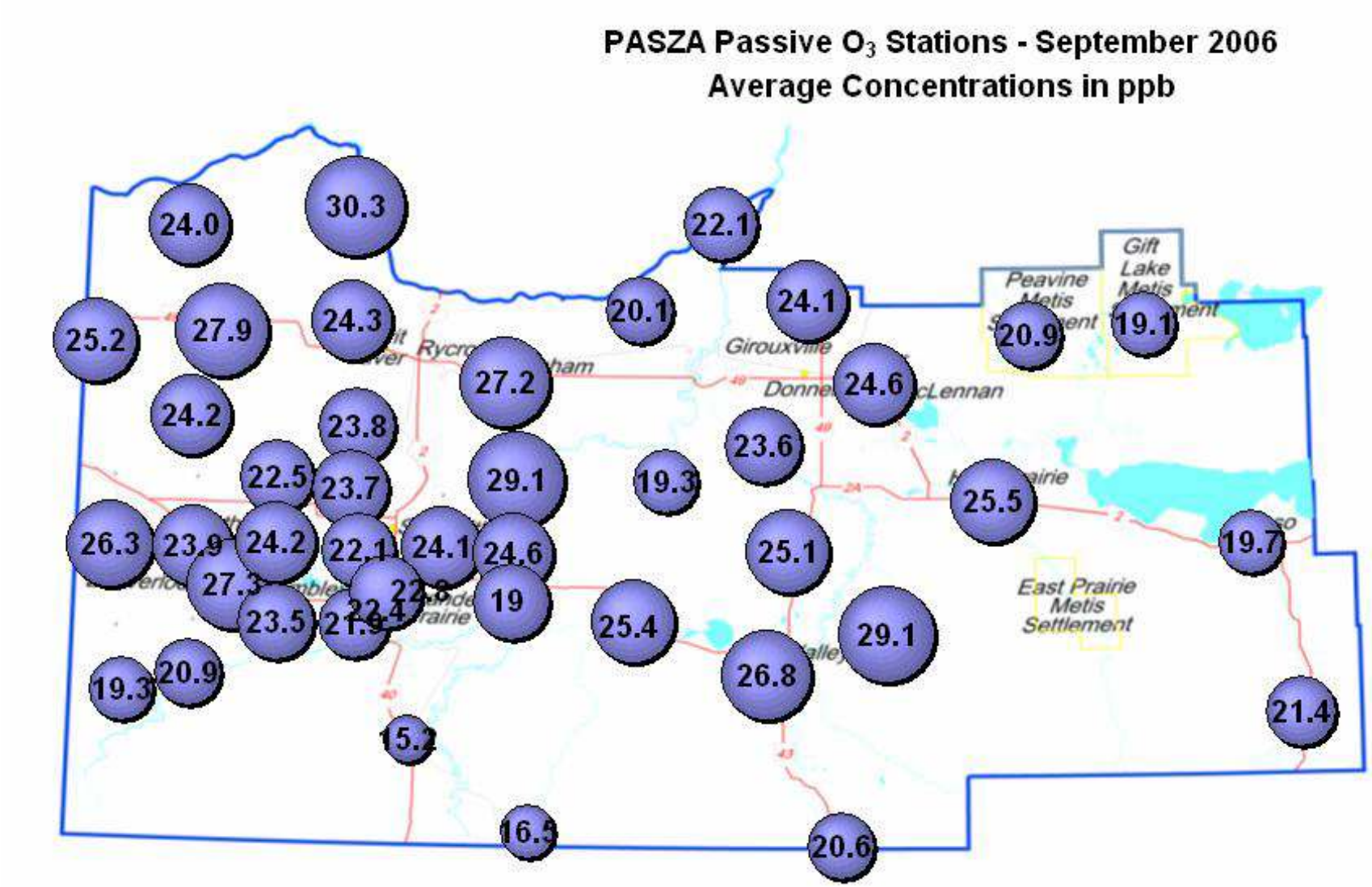


Figure 57. O_3 Bubble Chart

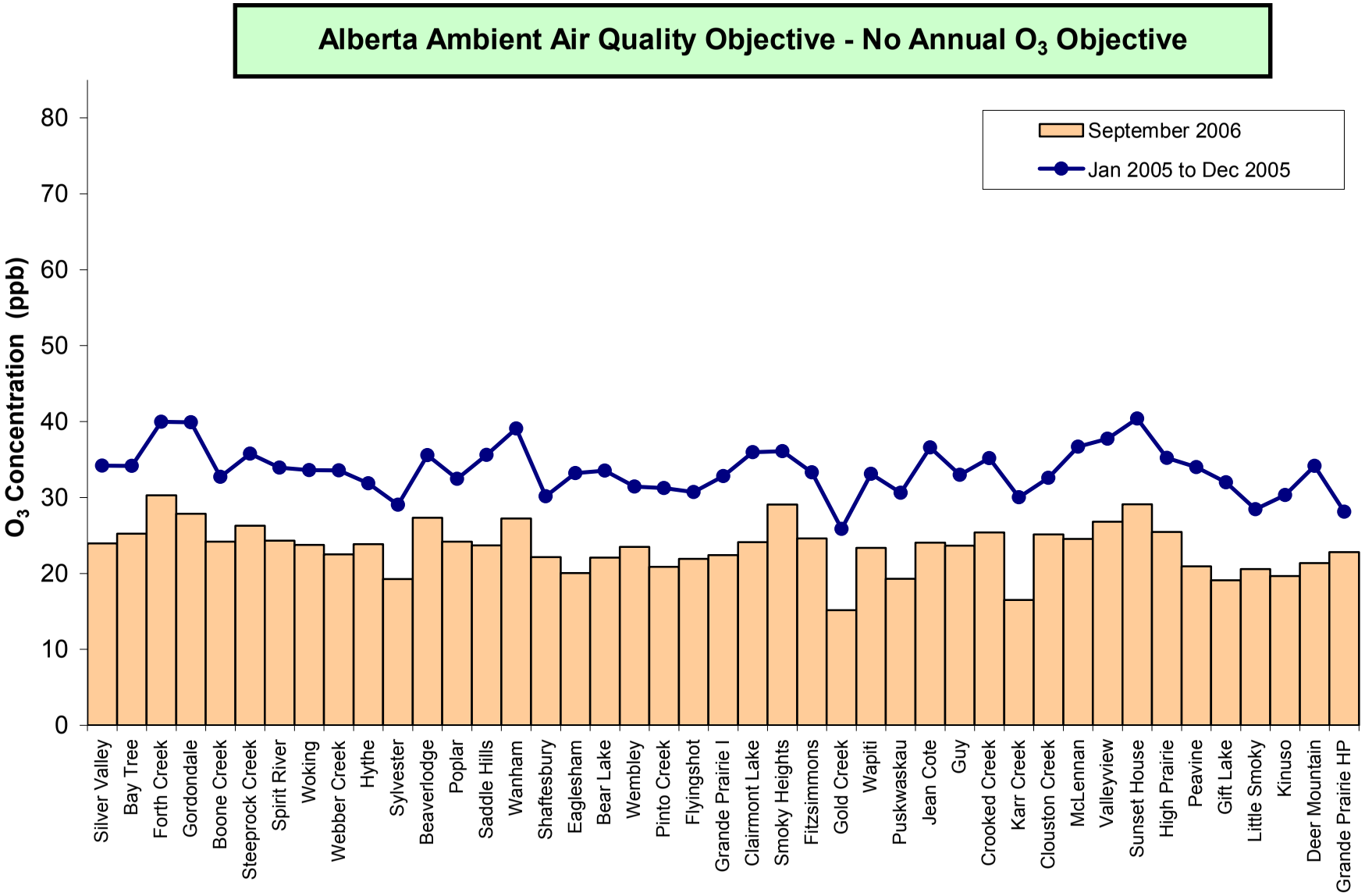


Figure 58. O_3 Summary Chart

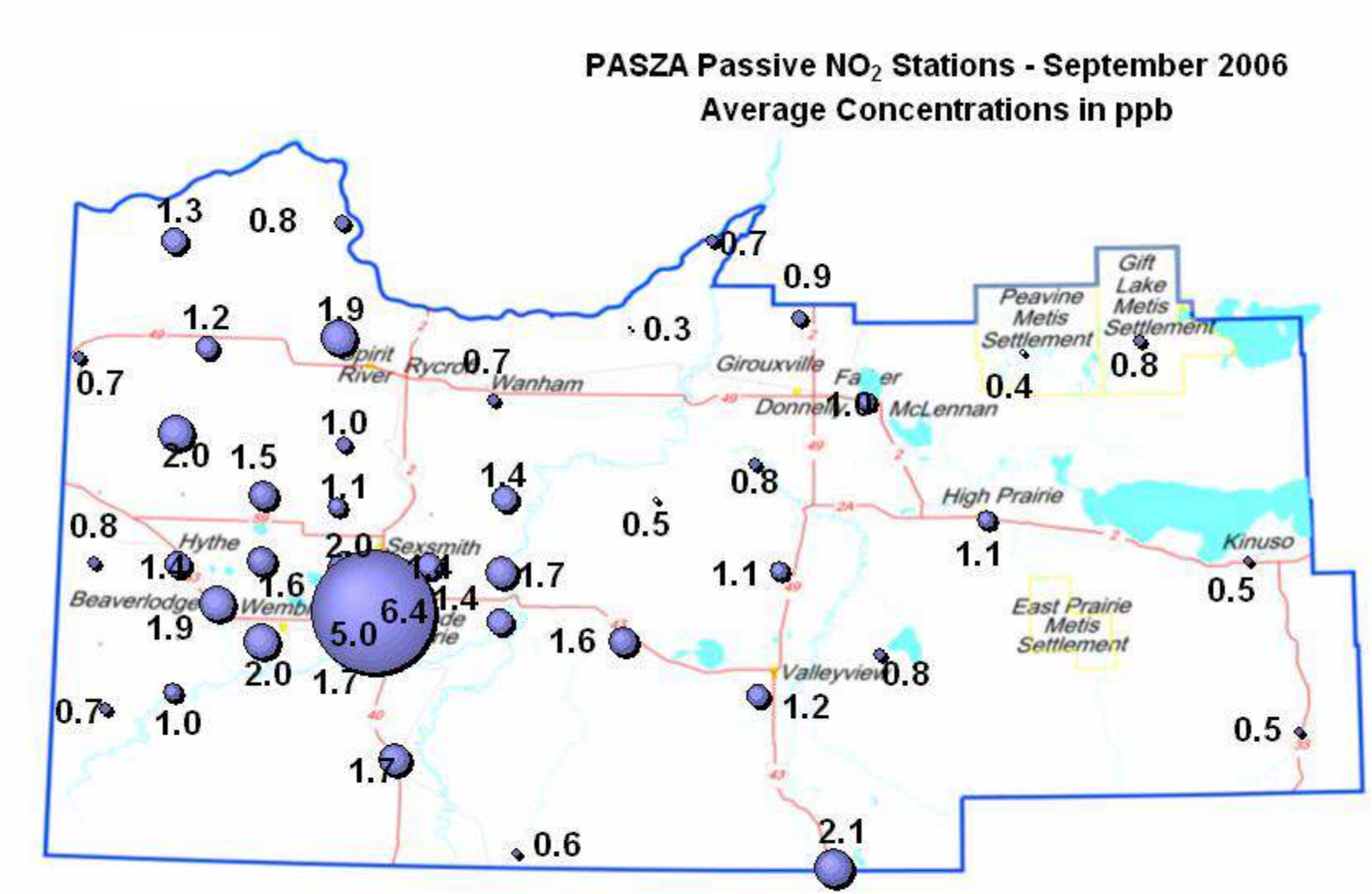


Figure 59. NO_2 Bubble Chart

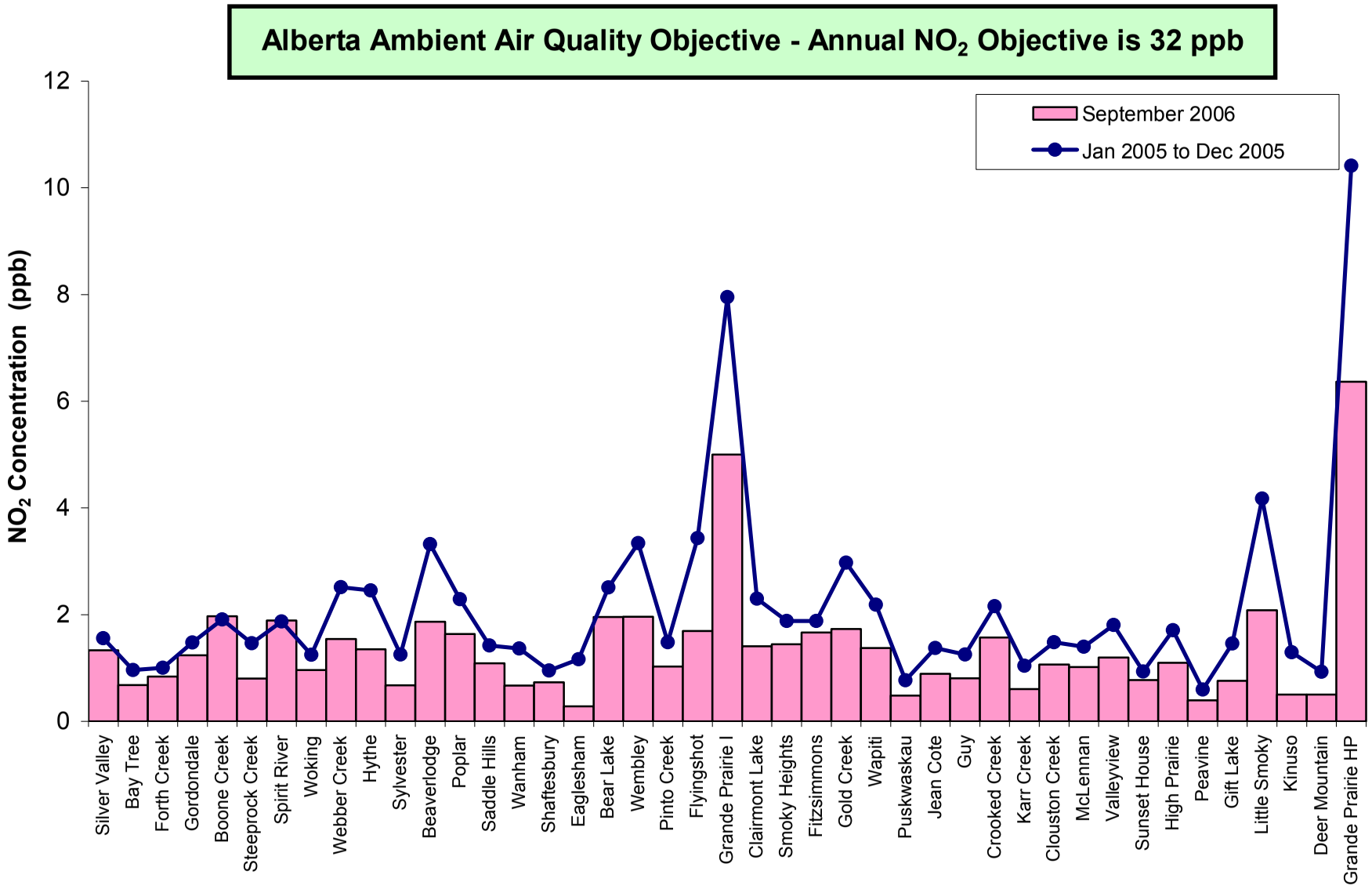


Figure 60. NO_2 Summary Chart

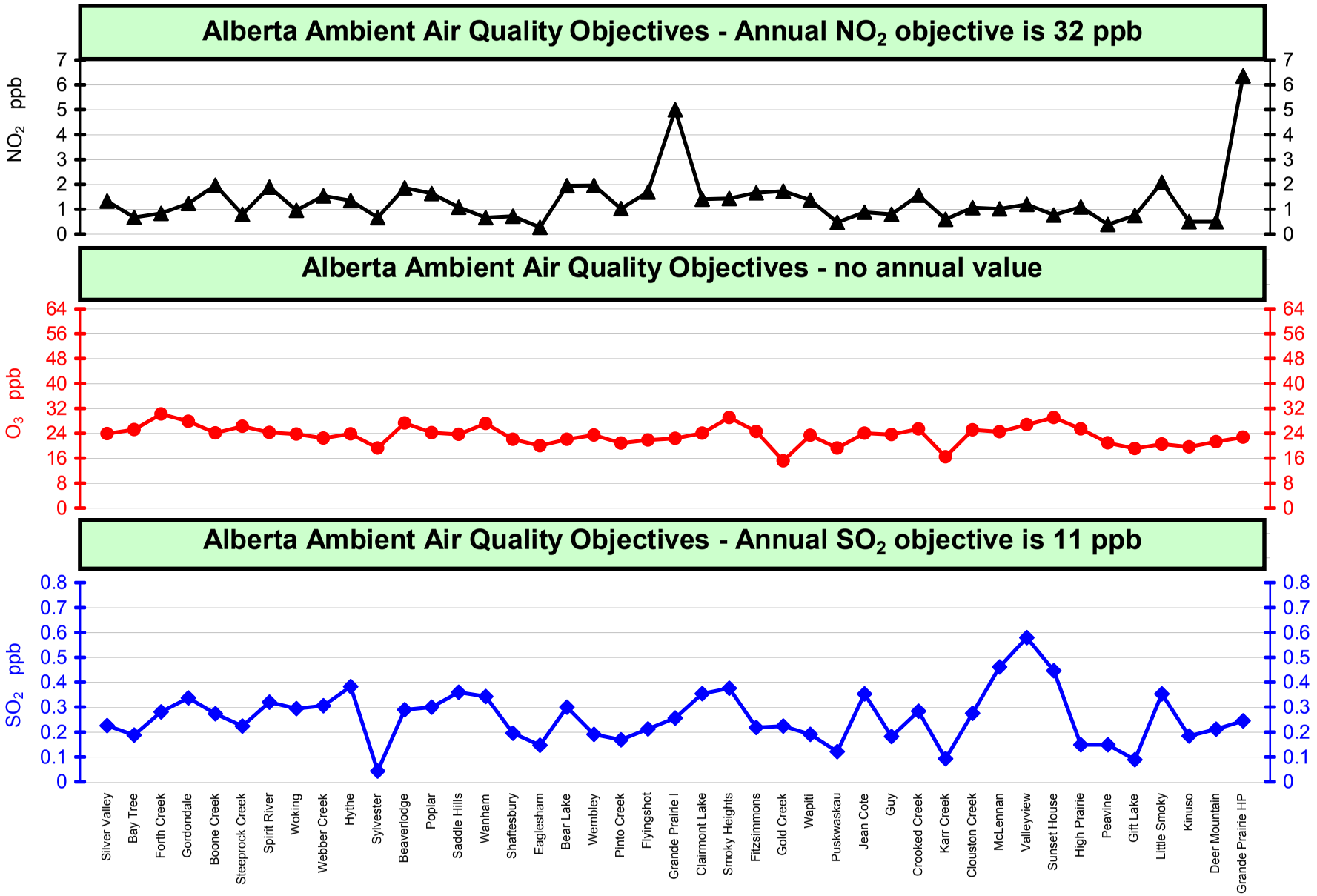


Figure 61. Overview Summary

September 2006 Calibration Reports

PASZA - Henry Pirker Station with the following calibrations:

SO_2, NO, NO_2, NO_x, O_3, CO, THC, TRS, $PM_{2.5}$

PASZA – Evergreen Park Station with the following calibrations:

SO_2, TRS, $PM_{2.5}$

PASZA – Smoky Heights Station with the following calibrations:

SO_2, TRS, $PM_{2.5}$

PASZA – Beaverlodge Station with the following calibrations:

SO_2, NO, NO_2, NO_x, O_3, $PM_{2.5}$

PASZA – Falher (Portable) Station with the following calibrations:

SO_2, TRS, O_3

PASZA – Valleyview Station with the following calibrations:

SO_2, H_2S

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 28, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	9:40	End Time (MST)	13:50
Barometric Pressure	27.4 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.931743	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	1.002876	Calculated slope	0.989582
Calculated intercept	-0.959281	Calculated intercept	-0.636477

Analyzer make: TEI Model 43A — Analyzer serial #: 43A-21120-195

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 zero pot	166		166	
SO2 span pot	138		175	
UV Lamp voltage	942	V	939	V
Vacuum	22.2	" Hg	22.2	" Hg
Sample Flow	420	ccm	425	ccm

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2394.6	0.0	0.1	N/A
2570	2394.6	310.2	313.9	0.9882
4975	4635.4	160.2	162.5	0.9860
9000	8385.7	88.6	90.9	0.9741
zero	2413.2	0.0	0.1	As Found Zero
2590	2413.2	307.8	308.1	As Found Span
			Average Correction Factor	0.9828

Calculated value of As Found Response: 307.928 ppm Percent Change of As Found: 0.0%

	before calibration		after calibration	
Auto zero	-0.8	ppm	-0.3	ppm
Auto span	266.2	ppm	277.0	ppm

Notes: Adjusted span.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

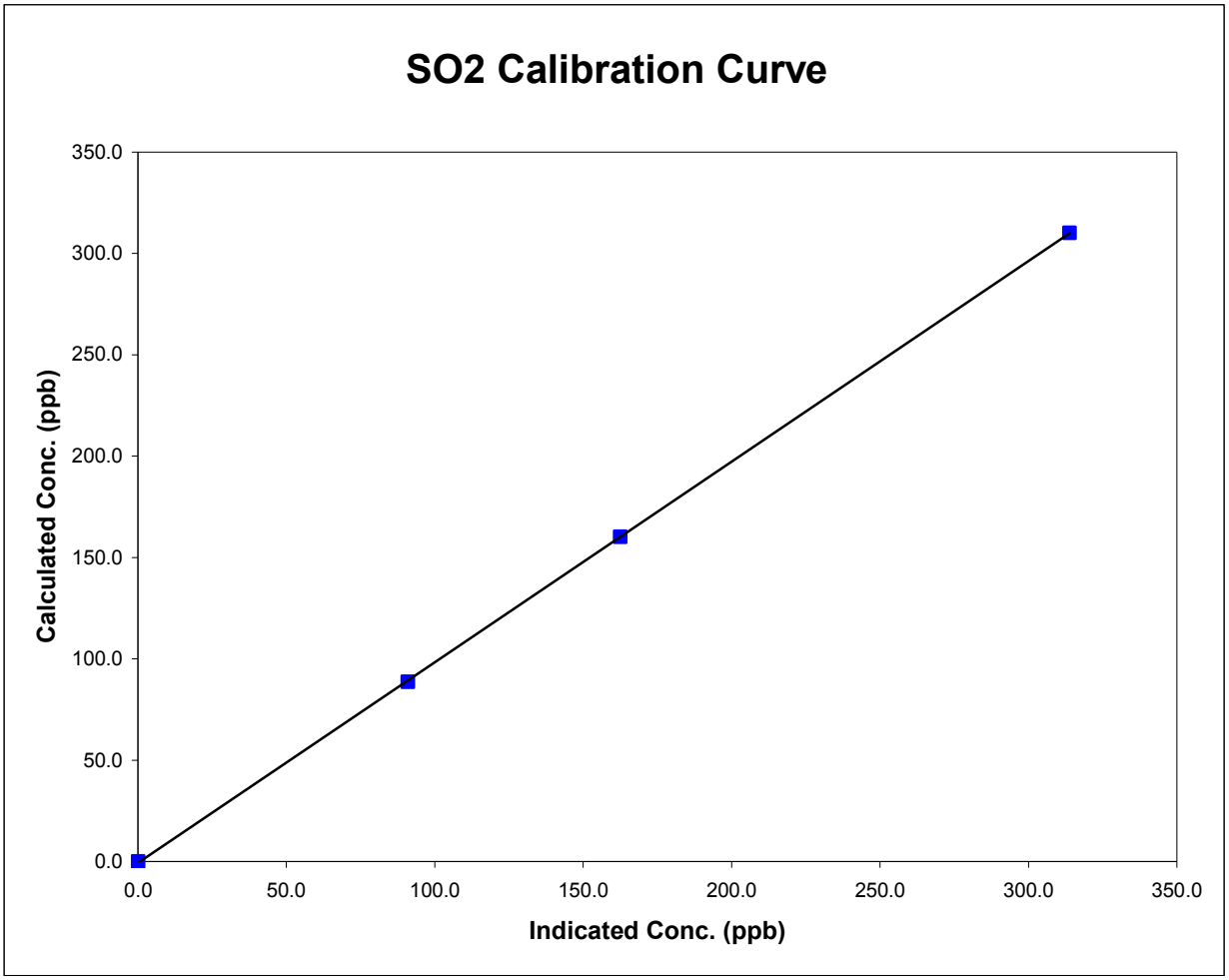
Air Monitoring Network **PASZA**

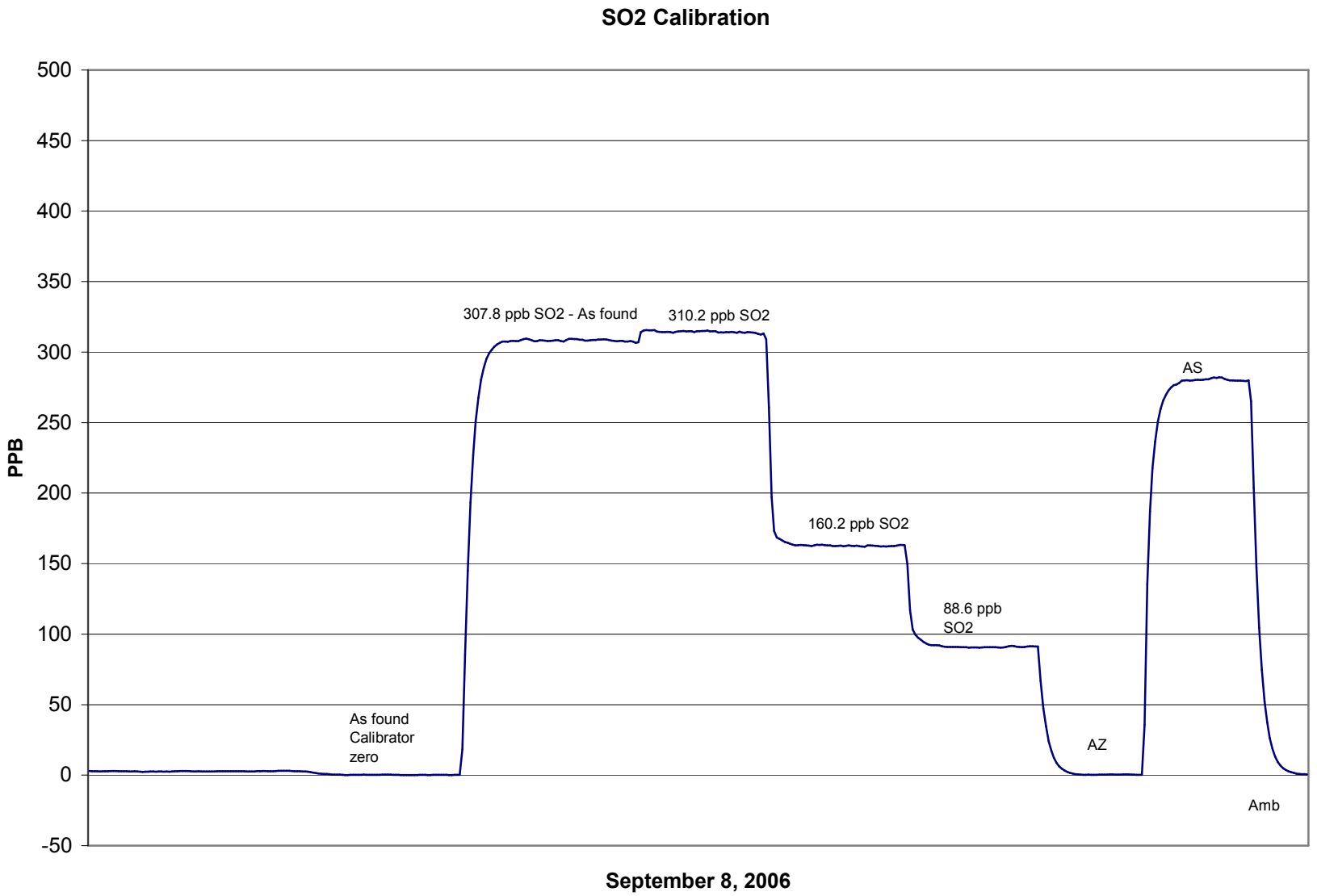
Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 28, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:40	End Time (MST)	13:50
Analyzer make/model	TEI Model 43A	Analyzer serial #	43A-21120-195

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
310.2	313.9	0.9882	Correlation Coefficient	0.999983
160.2	162.5	0.9860		
88.6	90.9	0.9741	Slope	0.989582
			Intercept	-0.636477




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
307.8 ppb SO2 - As found
310.2 ppb SO2
160.2 ppb SO2
88.6 ppb SO2
AS
As found Calibrator zero
AZ
Amb
September 8, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 11, 2006	Previous Calibration	August 14, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	9:01		End Time (MST)	14:40	
Barometric Pressure	0.922	Atm	Station Temperature	20.0	Deg C
Calibrator	Environics 6103		Serial Number	2844	
NO Cal Gas Conc	50.3	ppm	Cal Gas Expiry Date	22-Nov-06	
NOx Cal Gas Conc	50.5	ppm	Cal Gas Serial #	BAL786	

DACS Information

DACS make: FOCUS AP1000 DACS serial No.: 45269

Parameter		NO2	NOx	NO
Before	Data Slope	0.993430	0.994620	0.987444
	Data Offset	0.301847	0.343588	1.195965
After	Data Slope	1.008795	1.003387	0.998934
	Data Offset	-0.321511	0.483780	0.400078
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model: Teco 42C Analyzer serial #: 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	8.0	ppb	8.5	mV
NOx background	8.3	ppb	8.7	mV
NO coefficient	0.807		0.809	
NOx coefficient	0.993		0.986	
Chamber Temp	49.9	Deg C	49.8	Deg C
Cooler Temp	-2.4	Deg C	-2.5	Deg C
Converter Temp	318.0	Deg C	318.0	Deg C
Vacuum	188.4	mm Hg	190.5	mm Hg

Notes: Adjusted span and zero.

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: September 11, 2006 Station Location: Muskoseepi Park

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor
zero	4992	0.00	0.0	0.0	0.0	0.1	0.0	0.0	N/A	N/A
1	4992	39.93	400.7	399.1	1.6	399.1	399.3	-0.2	1.0040	0.9997
2	4992	19.91	200.6	199.8	0.8	199.3	199.7	-0.4	1.0065	1.0006
3	4992	10.00	101.0	100.6	0.4	99.5	99.7	-0.3	1.0148	1.0084
AFZ	4992	0.00	0.0	0.0	0.0	0.6	0.2	0.0	0.0000	0.0000
AFS	4992	39.93	400.7	399.1	1.6	401.5	399.1	2.4	0.9981	1.0000
							Average Correction Factor		1.0084	1.0029

As Found Concentrations: NO_X= 401.3 NO= 400.1 As Found Percent Change NO_X= 0.1% NO= 0.2%

GPT Calibration Data

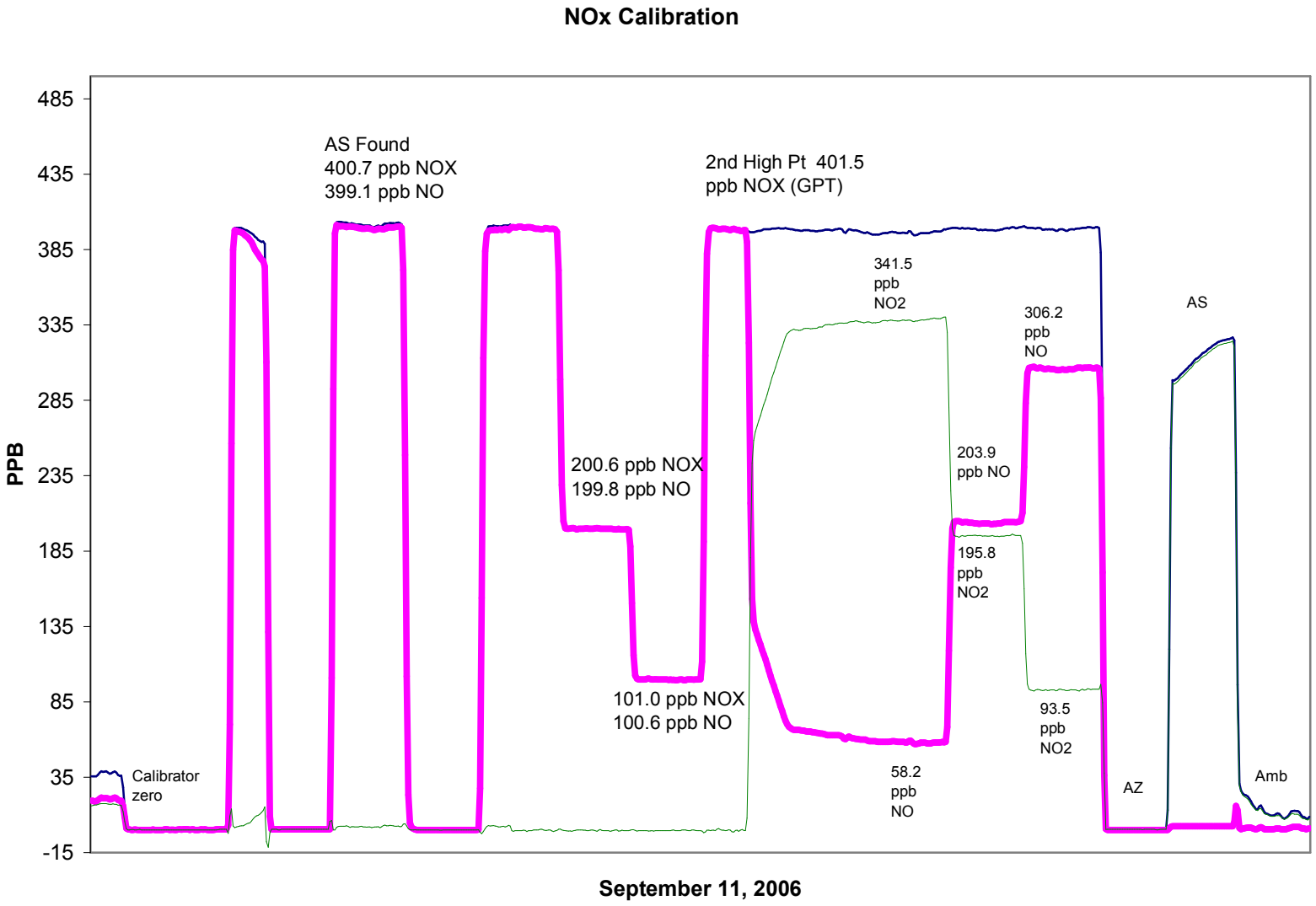
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

O3 Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	NO2 Correction factor	Converter Efficiency
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
NO point	399.7	398.4	1.3	398.3	398.4	-0.2	1.0035	0.9999	N/A	N/A
350	399.7	58.2	341.5	396.1	57.9	338.4	1.0091	1.0058	1.0090	99.1%
200	399.7	203.9	195.8	398.6	203.7	195.1	1.0029	1.0009	1.0036	99.6%
100	399.7	306.2	93.5	399.0	306.2	93.0	1.0019	1.0002	1.0050	99.5%
					Average Correction Factor		1.0046	1.0023	1.0059	99.4%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	1.2	1.1	1.4	ppb	1.0	1.1	1.0	ppb
Auto span	325.7	322.2	4.1	ppb	325.6	324.2	2.9	ppb

Calibration Performed By: Dawn Ewan


NOx Calibration
PPB
485
435
385
335
285
235
185
135
85
35
-15
AS Found
400.7 ppb NOX
399.1 ppb NO
2nd High Pt 401.5
ppb NOX (GPT)
341.5
ppb
NO2
306.2
ppb
NO
AS
200.6 ppb NOX
199.8 ppb NO
203.9
ppb NO
195.8
ppb
NO2
101.0 ppb NOX
100.6 ppb NO
93.5
ppb
NO2
58.2
ppb
NO
Calibrator
zero
AZ
Amb
September 11, 2006

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

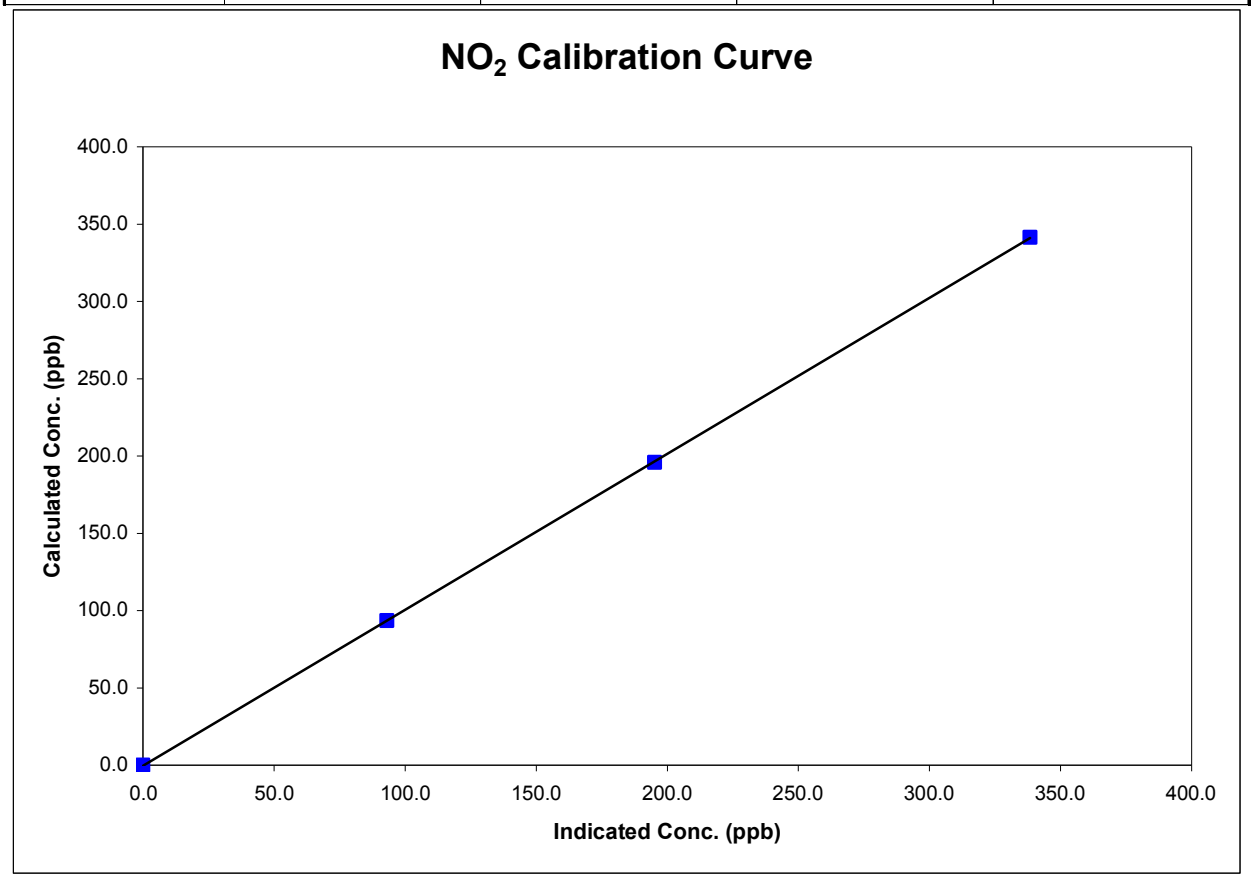
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 11, 2006	Previous Calibration	August 14, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:01	End Time (MST)	14:40
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	0.0000		
341.5	338.4	1.0090	Correlation Coefficient	0.999988
195.8	195.1	1.0036		
93.5	93.0	1.0050	Slope	1.008795
			Intercept	-0.321511



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

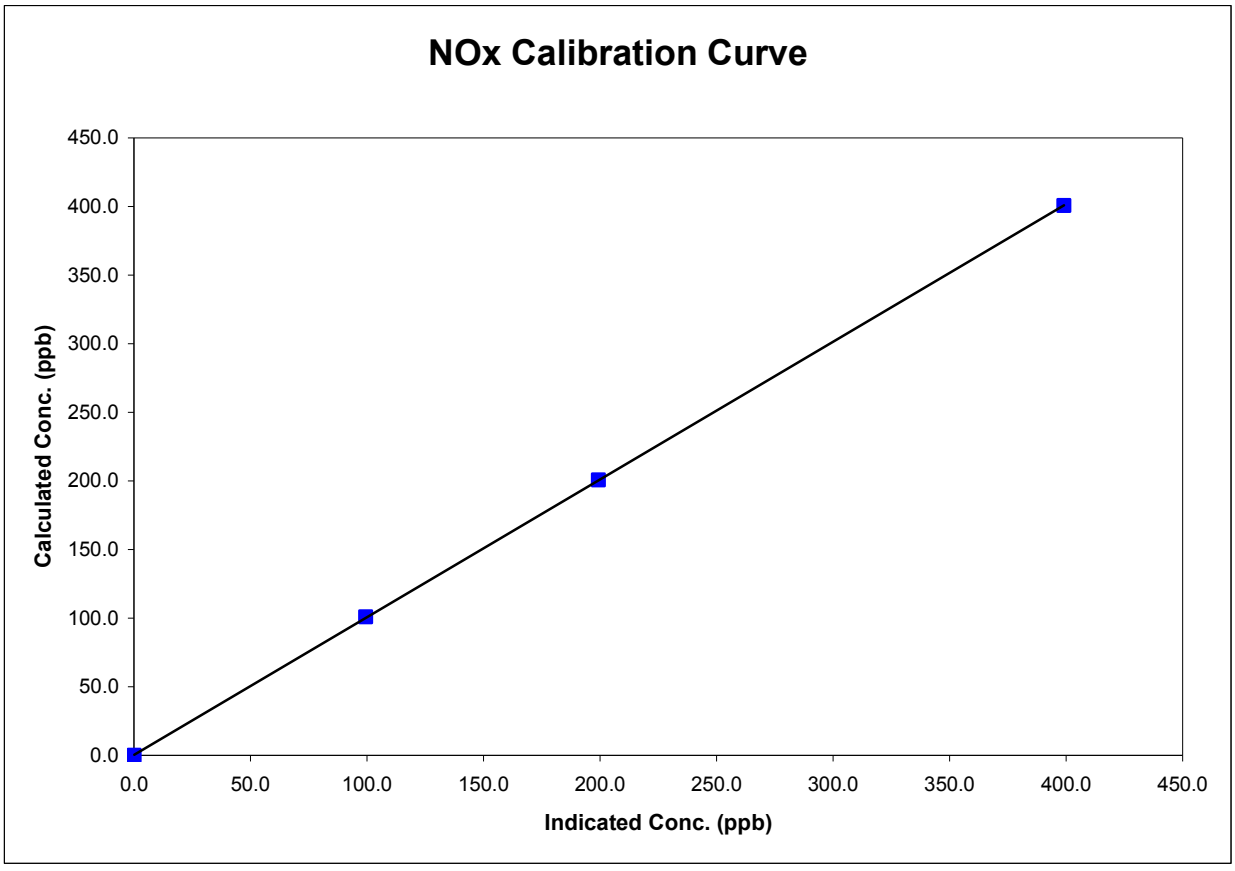
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 11, 2006	Previous Calibration	August 14, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:01	End Time (MST)	14:40
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000		
400.7	399.1	1.0040	Correlation Coefficient	0.999991
200.6	199.3	1.0065		
101.0	99.5	1.0148	Slope	1.003387
			Intercept	0.483780



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

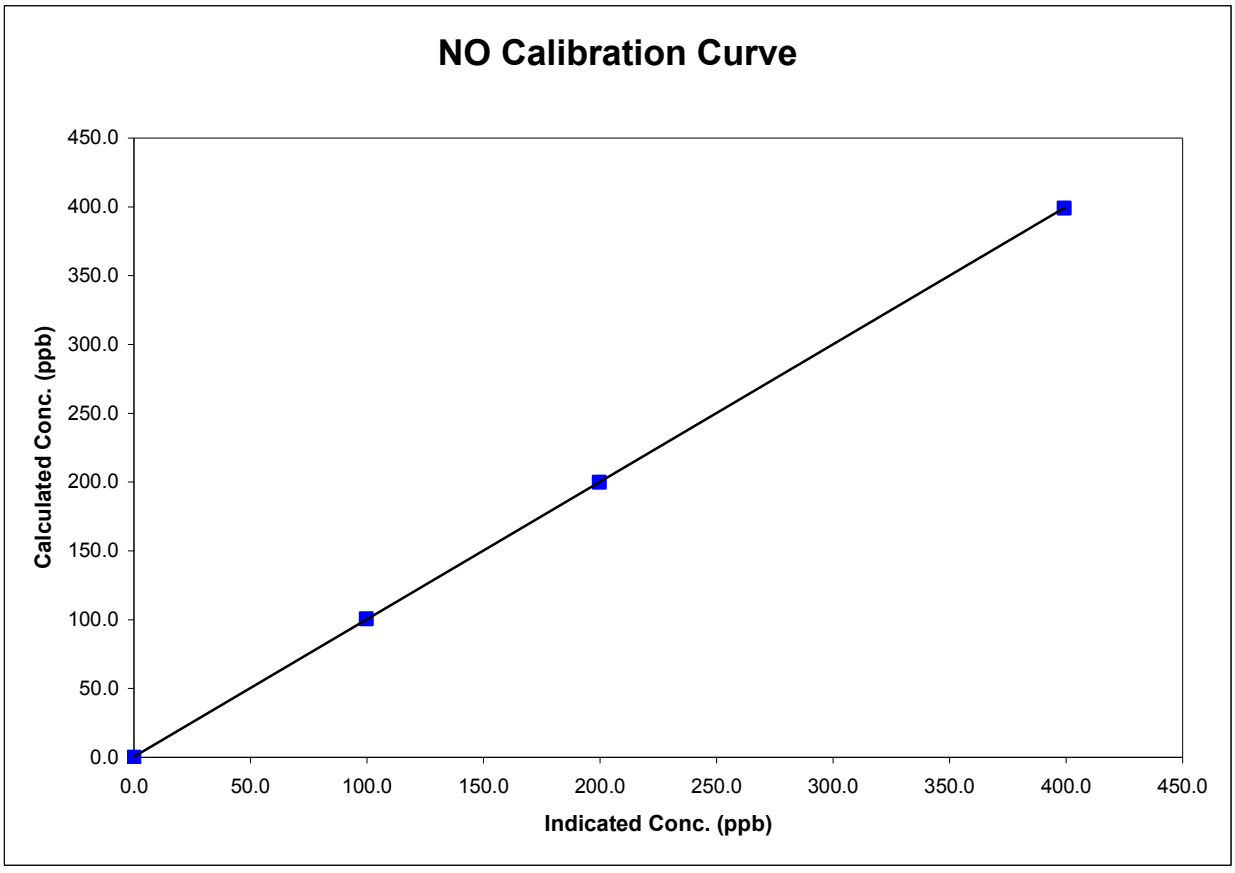
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 11, 2006	Previous Calibration	August 14, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:01	End Time (MST)	14:40
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
399.1	399.3	0.9997	Correlation Coefficient	0.999995
199.8	199.7	1.0006		
100.6	99.7	1.0084	Slope	0.998934
			Intercept	0.400078



Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 12, 2006	Previous Calibration	August 24, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	10:02	End Time (MST)	14:00
Barometric Pressure	0.928 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	0.999708	Calculated slope	0.996703
Calculated intercept	0.100182	Calculated intercept	-0.066119
Analyzer make	API Model 400	Analyzer serial #	383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.48	ppb	-0.8	ppb
slope	1.085		1.055	
Lamp measure	3839	mV	3733	mV
Lamp Reference	3838	mV	3734	mV
Pressure	27.8	inches Hg	27.5	inches Hg
Sample Flow	686	ccm	671	ccm
ANA Lamp temp	52	Deg C	52	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.5	N/A
4992	0.00	341.5	343.0	0.9955
4992	0.00	195.8	196.1	0.9984
4992	0.00	93.5	93.5	1.0001
4992	0.00	0.0	2.1	As found zero
4992	0.00	341.5	333.5	As found span
			Average Correction Factor	0.9980

Calculated value of As Found Response: 331.4 ppm Percent Change of As Found: -3.0%

	before calibration		after calibration	
Auto zero	0.6	ppb	0.8	ppb
Auto span	204.3	ppb	210.2	ppb

Notes: Zero adjusted. Span adjusted.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

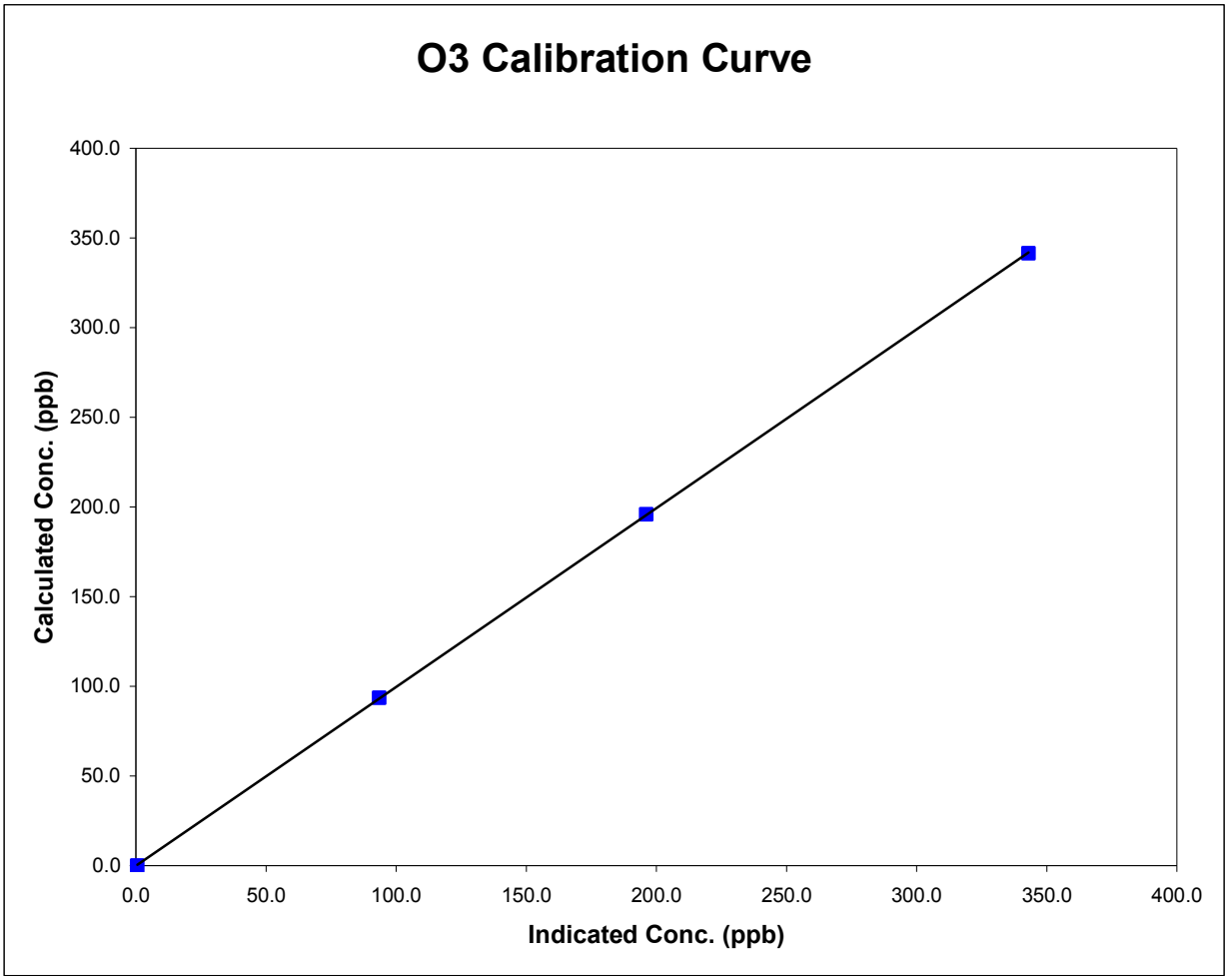
FOCUS AIR QUALITY MONITORING

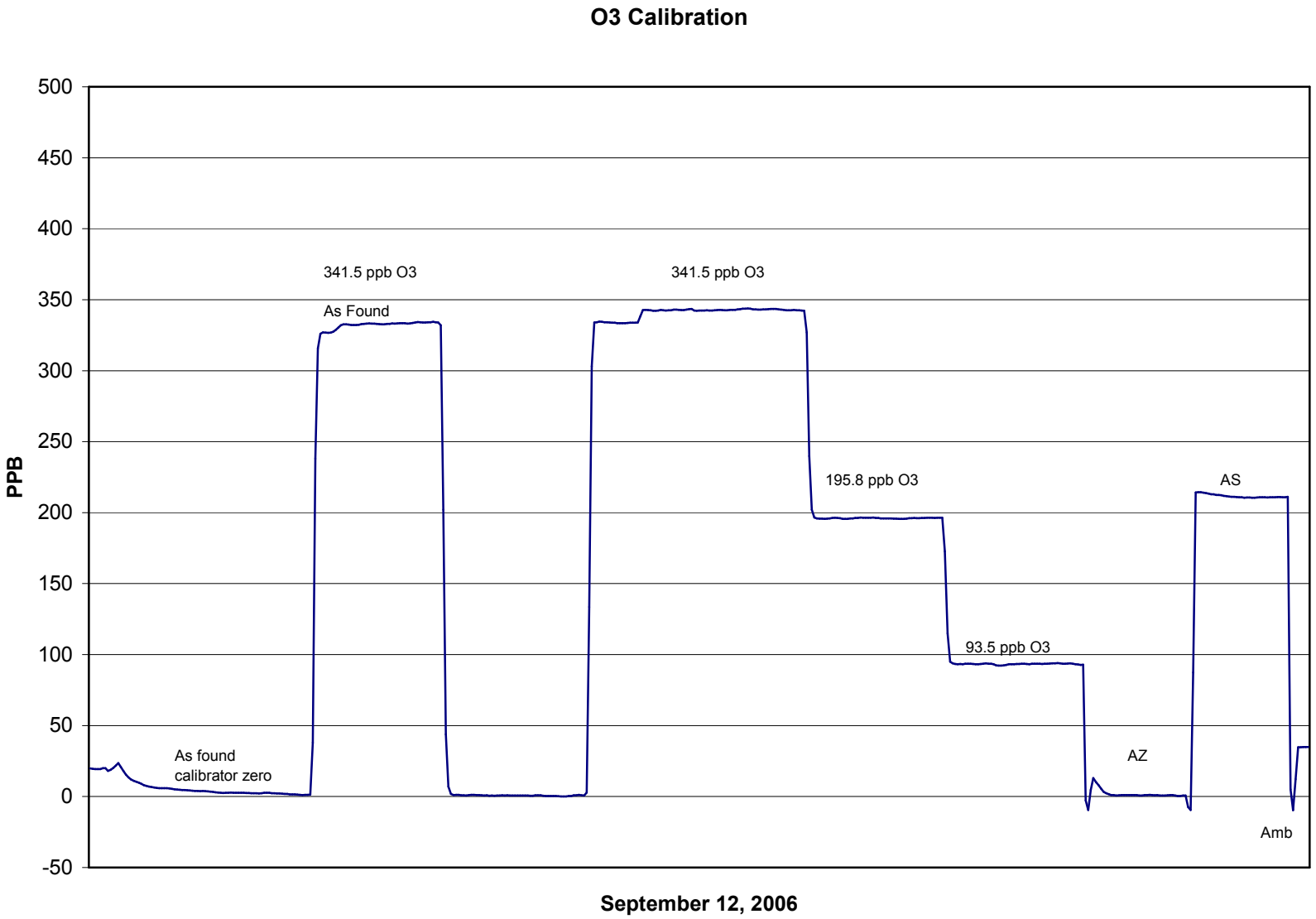
Station Information

Calibration Date	September 12, 2006	Previous Calibration	August 24, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:02	End Time (MST)	14:00
Analyzer make/model	API Model 400	Analyzer serial #	383

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	NA		
341.5	343.0	0.9955	Correlation Coefficient	0.999990
195.8	196.1	0.9984		
93.5	93.5	1.0001	Slope	0.996703
			Intercept	-0.066119




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
341.5 ppb O3
As Found
341.5 ppb O3
195.8 ppb O3
93.5 ppb O3
AS
AZ
Amb
As found
calibrator zero
September 12, 2006

Calibration Report

Parameter **CO**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 8, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	13:00	End Time (MST)	16:06
Barometric Pressure	0.916 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Conc	3000 ppm	Cal Gas Expiry Date	AUG 28/05
		Cal Gas Cylinder #	AAL20565
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.005144	Calculated slope	1.010399
Calculated intercept	0.017192	Calculated intercept	-0.092031

Analyzer make	TEI Model 48C	Analyzer serial # 508011062

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.042		1.042	
CO zero setting	6.363		6.583	
Sample pressure	686.2	mm Hg	685.4	mm Hg
Sample Flow	1.074	LPM	1.074	LPM

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4994	0.00	0.00	0.02	N/A
4994	39.94	23.80	23.66	1.0060
4994	19.91	11.91	11.78	1.0111
4994	9.50	5.70	5.88	0.9680
4994	0.00	0.00	0.23	As Found Zero
4994	39.94	23.80	24.03	As Found Span
			Average Correction Factor	0.9951

Calculated value of As Found Response: 23.945 ppm Percent Change of As Found: -0.6%

	before calibration		after calibration	
Auto zero	0.08	ppm	0.10	ppm
Auto span	20.81	ppm	21.00	ppm

Notes: Adjusted zero.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **CO**

Air Monitoring Network **PASZA**

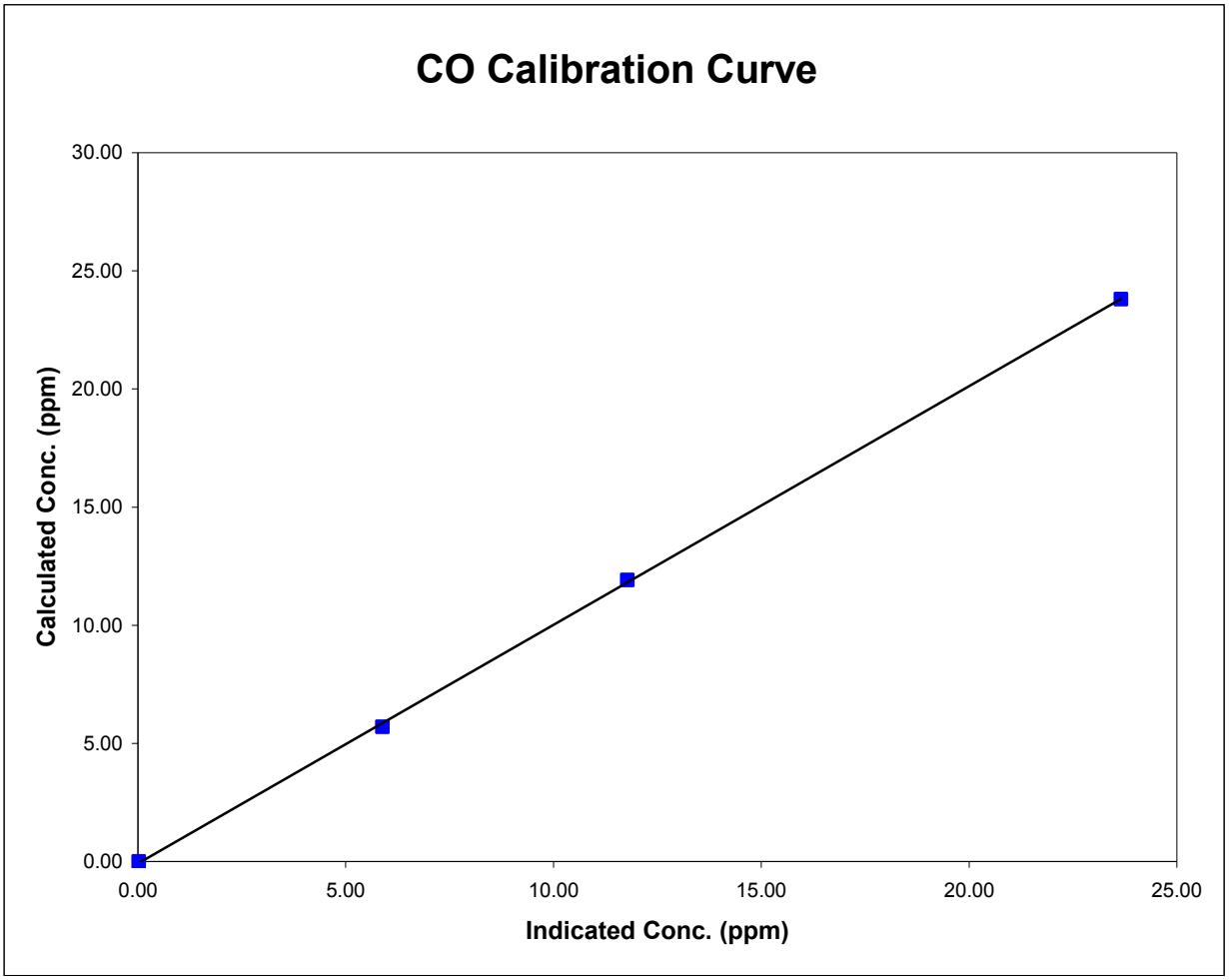
FOCUS AIR QUALITY MONITORING

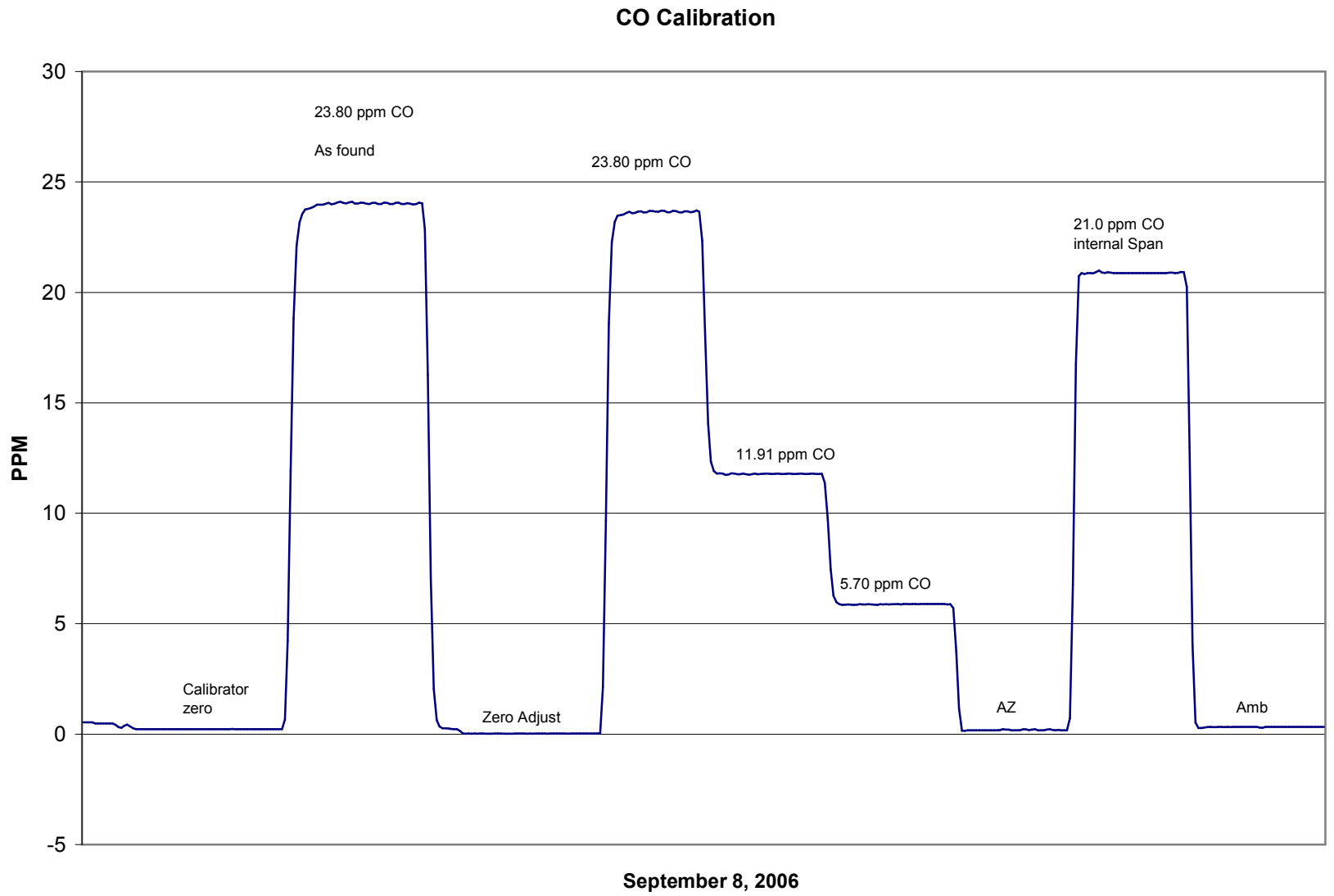
Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	13:00	End Time (MST)	16:06
Analyzer make/model	TEI Model 48C	Analyzer serial #	508011062

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.024	N/A		
23.802	23.659	1.0060	Correlation Coefficient	0.999873
11.913	11.782	1.0111		
5.696	5.884	0.9680	Slope	1.010399
			Intercept	-0.092031




CO Calibration
30
25
20
15
10
5
0
-5
PPM
23.80 ppm CO
As found
23.80 ppm CO
11.91 ppm CO
5.70 ppm CO
21.0 ppm CO
internal Span
Calibrator
zero
Zero Adjust
AZ
Amb
September 8, 2006

Calibration Report

Parameter **THC**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 8, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	10:50	End Time (MST)	13:41
Barometric Pressure	0.916 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.001337	Calculated slope	1.001002
Calculated intercept	-0.026394	Calculated intercept	0.025849

Analyzer make: TEI Model 51C-LT — Analyzer serial #: 51CLT-79009-390

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
THC sample pressure	6.1	psi	6.1	psi
THC span counts	6909	capture	6874	capture
THC zero counts	1268	capture	1268	capture

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.00	0.03	N/A
4992	64.92	19.54	19.53	1.0008
4992	34.95	10.58	10.50	1.0078
4992	9.92	3.02	2.95	1.0221
4992	0.00	0.00	0.03	As Found Zero
4992	64.92	19.54	19.44	As Found Span
			Average Correction Factor	1.0102

Calculated value of As Found Response: 19.414 ppm Percent Change of As Found: 0.7%

	before calibration		after calibration	
Auto zero	0.04	ppm	-0.02	ppm
Auto span	22.82	ppm	21.89	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **THC**

Air Monitoring Network **PASZA**

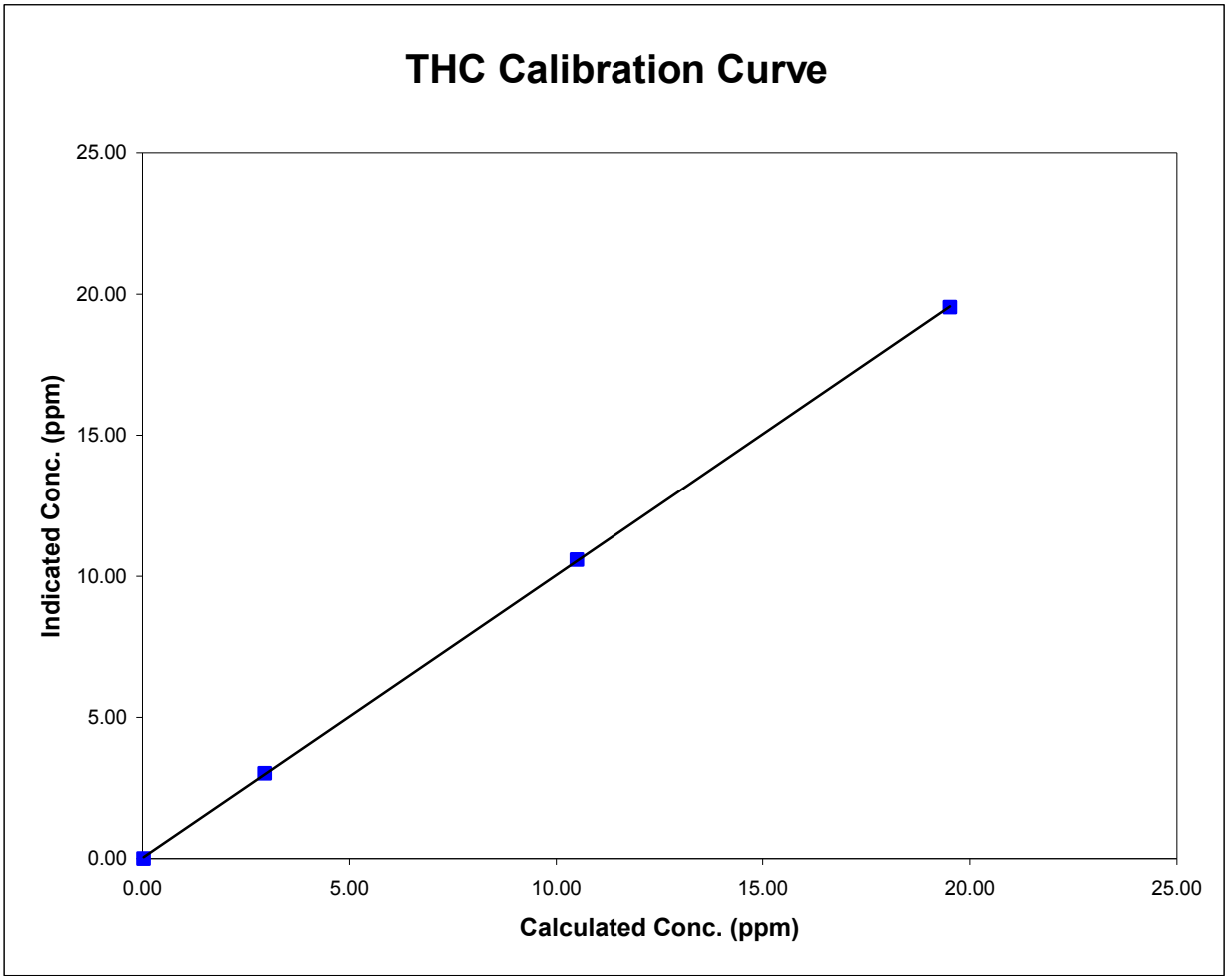
FOCUS AIR QUALITY MONITORING

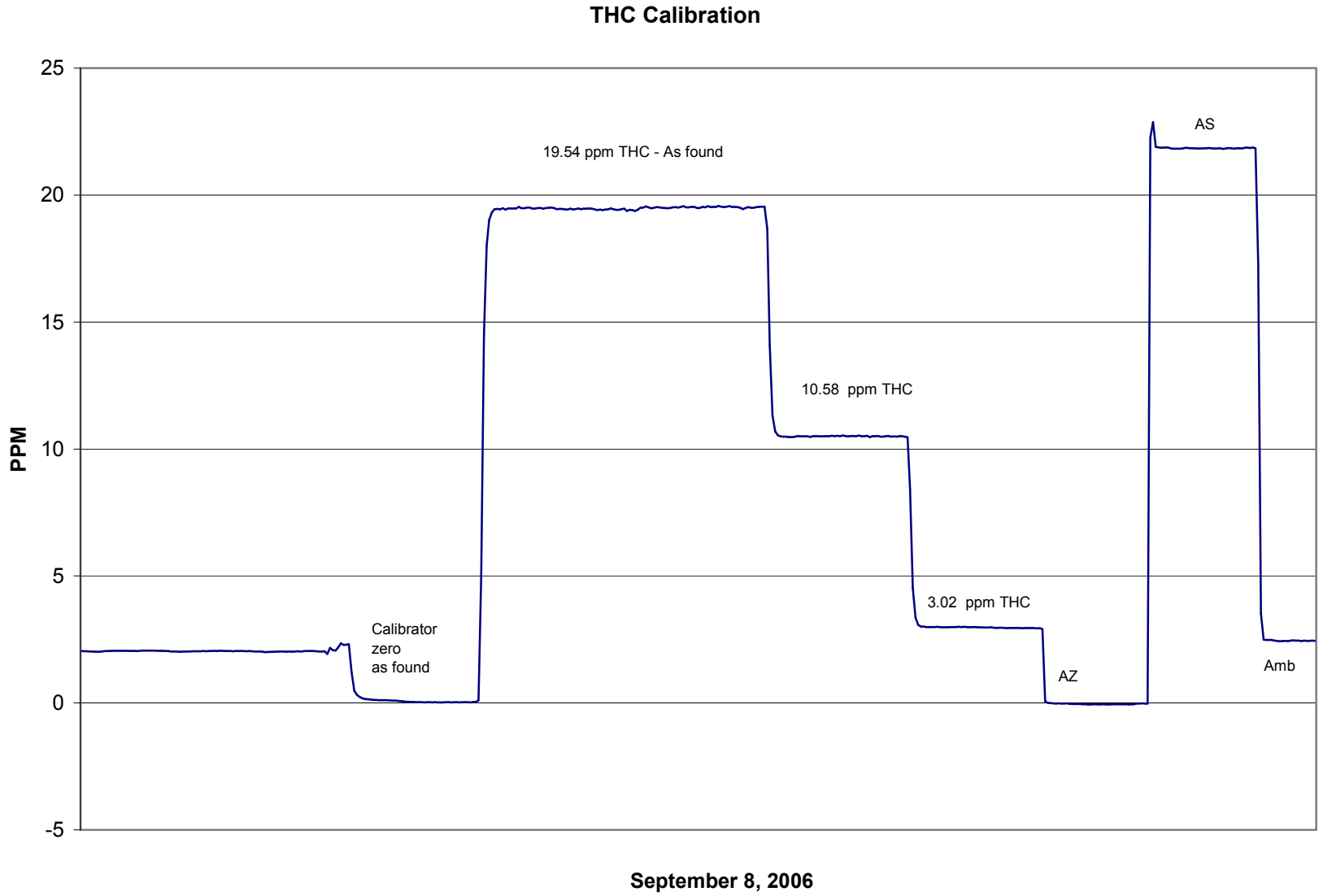
Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:50	End Time (MST)	13:41
Analyzer make/model	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.026	N/A		
19.542	19.526	1.0008	Correlation Coefficient	0.999969
10.583	10.501	1.0078		
3.019	2.954	1.0221	Slope	1.001002
			Intercept	0.025849




THC Calibration
25
20
15
10
5
0
-5
PPM
19.54 ppm THC - As found
10.58 ppm THC
3.02 ppm THC
AS
AZ
Amb
Calibrator
zero
as found
September 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 28, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:40	End Time (MST)	13:50
Barometric Pressure	27.4 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.931743	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	1.000502	Calculated slope	0.989303
Calculated intercept	0.213490	Calculated intercept	0.015019
Analyzer make	TEI Model 43C	Analyzer serial #	31990000000491

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	27.7	ppb	25.4	ppb
coefficient	1.06		1.128	
Lamp Voltage	900	volts	896	volts
Chamber Temp	44.5	Deg C	44.6	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	662.3	mm Hg	664	mm Hg
Sample Flow	530	ccm	534	ccm
Lamp Intensity	39,200	mv	39,900	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2394.6	0.0	0.2	N/A
2570	2394.6	70.6	71.4	0.9881
4975	4635.4	36.5	36.8	0.9917
9000	8385.7	20.1	20.1	1.0015
zero	2413.2	0.0	0.2	As Found Zero
2590	2413.2	70.0	67.0	As Found Span
			Average Correction Factor	0.9938

Calculated value of As Found Response: 67.10 ppm Percent Change of As Found: 4.2%

	before calibration		after calibration	
Auto zero	0.4	ppm	0.3	ppm
Auto span	66.6	ppm	69.8	ppm

Notes: Adjusted span.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **TRS**

Air Monitoring Network **PASZA**

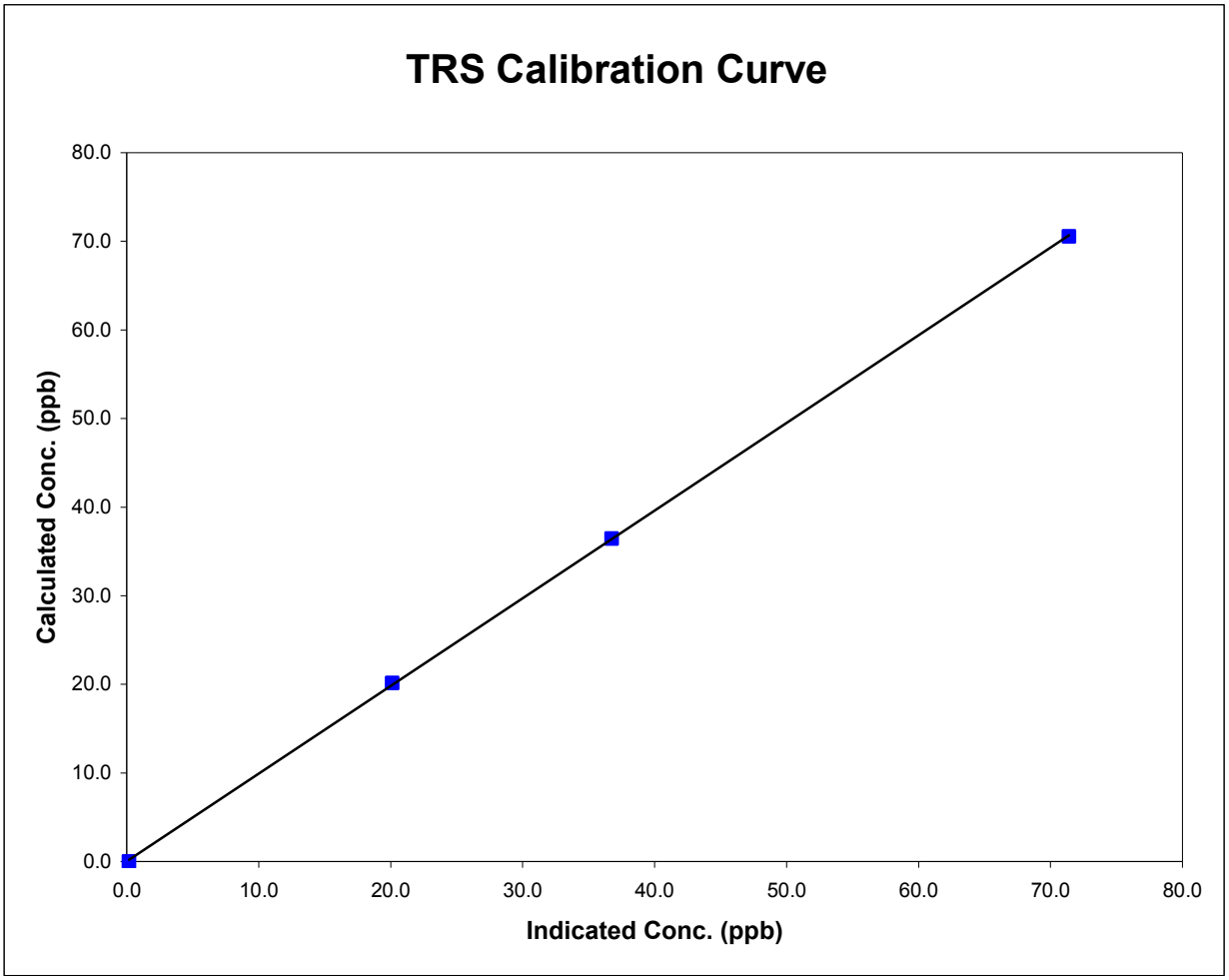
FOCUS AIR QUALITY MONITORING

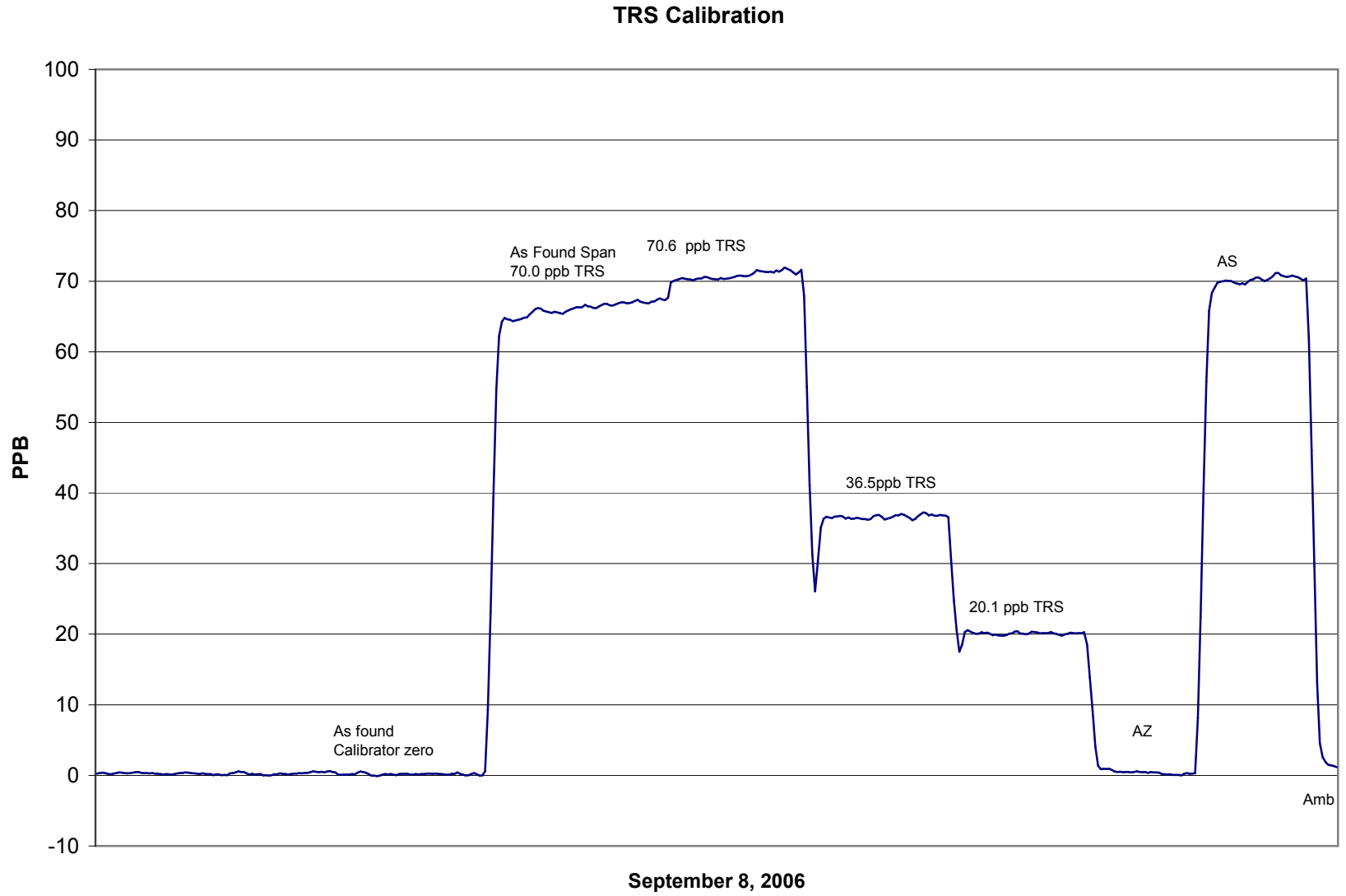
Station Information

Calibration Date	September 8, 2006	Previous Calibration	August 28, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:40	End Time (MST)	13:50
Analyzer make/model	TEI Model 43C	Analyzer serial #	31990000000491

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.2	N/A		
70.6	71.4	0.9881	Correlation Coefficient	0.999959
36.5	36.8	0.9917		
20.1	20.1	1.0015	Slope	0.989303
			Intercept	0.015019




TRS Calibration
100
90
80
70
60
50
40
30
20
10
0
-10
PPB
As Found Span
70.0 ppb TRS
70.6 ppb TRS
AS
36.5ppb TRS
20.1 ppb TRS
As found
Calibrator zero
AZ
Amb
September 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 12, 2006	Previous Calibration	August 28, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	11:23	End Time (MST)	13:00
Barometric Pressure	0.928 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15

Analyzer Information

Analyzer make	R&P	Control Unit serial #	140AB246340305
Analyzer model	TEOM 1400AB	Sensor Unit serial #	140AB246340305

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.66	SLPM	13.68	SLPM
Filter Load	24	%	14	%
Ko Factor	13020		13020	
Temperature	16.50	Deg C	16.50	Deg C
Pressure	0.928	ATM	0.928	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.01		0.01
zero flow - auxillary	0.0	0.03		0.03
flow recovery - main	45 - 60 Seconds	30.00	45 - 60 Seconds	30.00
flow recovery - aux	46 - 60 Seconds	45.00	46 - 60 Seconds	45.00
Temperature	measured	16.5	+/- 1.0 Deg C	16.5
Pressure	measured	0.928	+/- 1.5% Δ_{ATM}	0.928
Total Flow	16.67 SLPM	16.59		16.59
Main Flow	13.67 SLPM	13.96	+/- 1.0 SLPM	13.96
Auxillary Flow	3.0 SLPM	3.043	+/- 0.2 SLPM	3.043
Leak Check - main	0.0	0.06	<0.15 SLPM	0.06
Leak Check - aux	0.0	0.03	<0.15 SLPM	0.03
Ko Factor (w/o filter)	measured	337.776	filter weight (g)	0.11423
Ko Factor (w/ filter)	measured	238.422	% Ko difference	0.61%

Notes: New Mass filter.
All checks ok.

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 5, 2006	Previous Calibration	August 28, 2006
Station Number	2	Station Location	Evergreen Park

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	9:00	End Time (MST)	13:48
Barometric Pressure	28.0 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.951799	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.979263	Calculated slope	0.992755
Calculated intercept	0.623751	Calculated intercept	-0.225346

Analyzer make	TECO	Analyzer serial # 43A-25573-221

	before		after	
Concentration range	1000	ppb	1000	ppb
Sample Flow	550	ccm	475	ccm
Lamp Voltage	792	mv	788	mv
Vacuum	22	" Hg	22	" Hg
Span Pot	87		535	
Zero Pot	114		90	

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2379.5	0.0	-0.6	N/A
2500	2379.5	312.2	314.3	0.9932
5000	4759.0	156.1	157.6	0.9903
9000	8566.2	86.7	88.6	0.9790
zero	2579.4	0.0	-0.2	As Found Zero
2710	2579.4	288.0	334.0	As Found Span
			Average Correction Factor	0.9875

Calculated value of As Found Response: 327.940 ppm Percent Change of As Found: -13.9%

	before calibration		after calibration	
Auto zero	0.2	ppm	-0.4	ppm
Auto span	142.6	ppm	141.7	ppm

Notes: Adjusted PMT

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

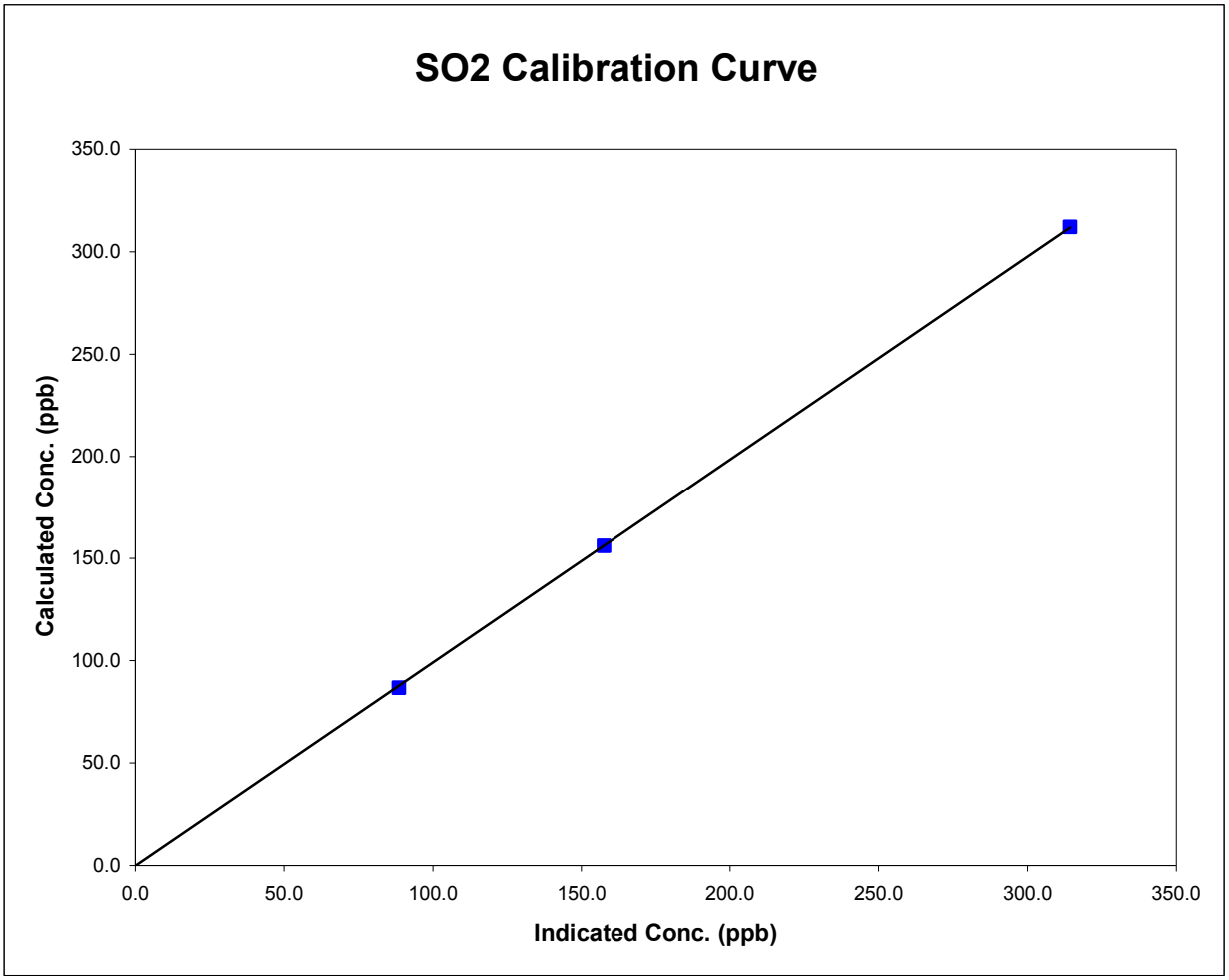
Air Monitoring Network **PASZA**

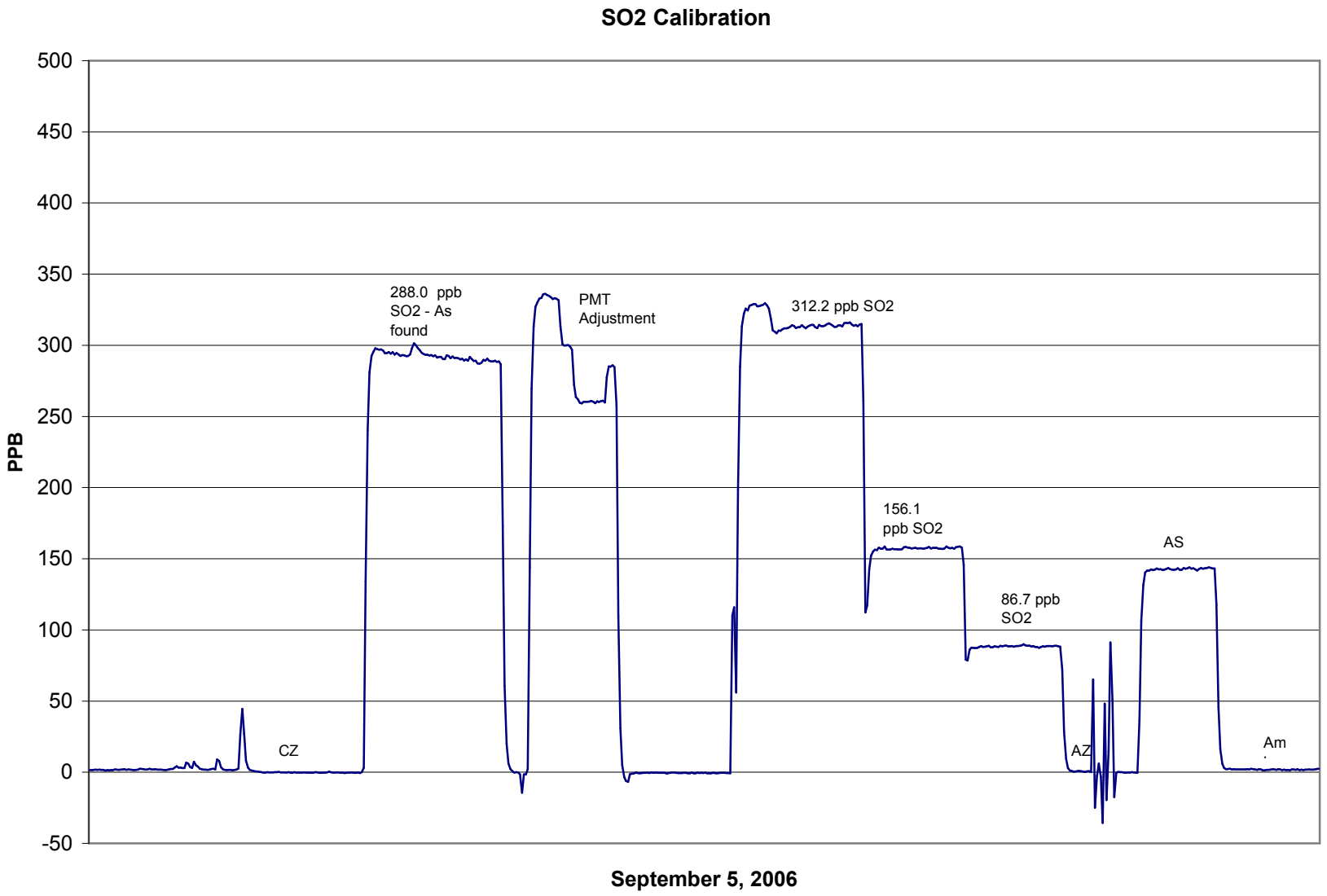
Station Information

Calibration Date	September 5, 2006	Previous Calibration	August 28, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	9:00	End Time (MST)	13:48
Analyzer make/model	TECO	Analyzer serial #	43A-25573-221

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.6	N/A		
312.2	314.3	0.9932	Correlation Coefficient	0.999966
156.1	157.6	0.9903		
86.7	88.6	0.9790	Slope	0.992755
			Intercept	-0.225346




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
288.0 ppb SO2 - As found
PMT Adjustment
312.2 ppb SO2
156.1 ppb SO2
86.7 ppb SO2
AS
CZ
AZ
Am
September 5, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 5, 2006	Previous Calibration	August 28, 2006
Station Number	2	Station Location	Evergreen Park
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐

Start Time (MST)	9:00	End Time (MST)	13:49
Barometric Pressure	28.00 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Expiry Date	8/8/2006
Correction factor	0.951799	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	1.001391	Calculated slope	0.998536
Calculated intercept	0.020654	Calculated intercept	-0.004617

Analyzer make	TEI Model 43C	Analyzer serial #	0436610005

	before		after	
Concentration range	100	ppb	100	ppb
Background	15.4	ppb	15.6	ppb
coefficient	0.919		0.934	
Lamp Voltage	817	volts	816	volts
Chamber Temp	43.9	Deg C	44.1	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	637.2	mm Hg	643.2	mm Hg
Sample Flow	470	ccm	473	ccm
Lamp Intesity	49,900	mv	49,500	mv

110

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2379.5	0.0	0.1	N/A
2500	2379.5	71.0	71.2	0.9973
5000	4759.0	35.5	35.4	1.0043
9000	8566.2	19.7	19.8	0.9944
zero	2579.4	0.0	0.1	As Found Zero
2710	2579.4	65.5	63.6	As Found Span
			Average Correction Factor	0.9987

Calculated value of As Found Response: 63.62 ppm Percent Change of As Found: 2.9%

	before calibration		after calibration	
Auto zero	-0.1	ppm	-0.3	ppm
Auto span	55.8	ppm	55.3	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

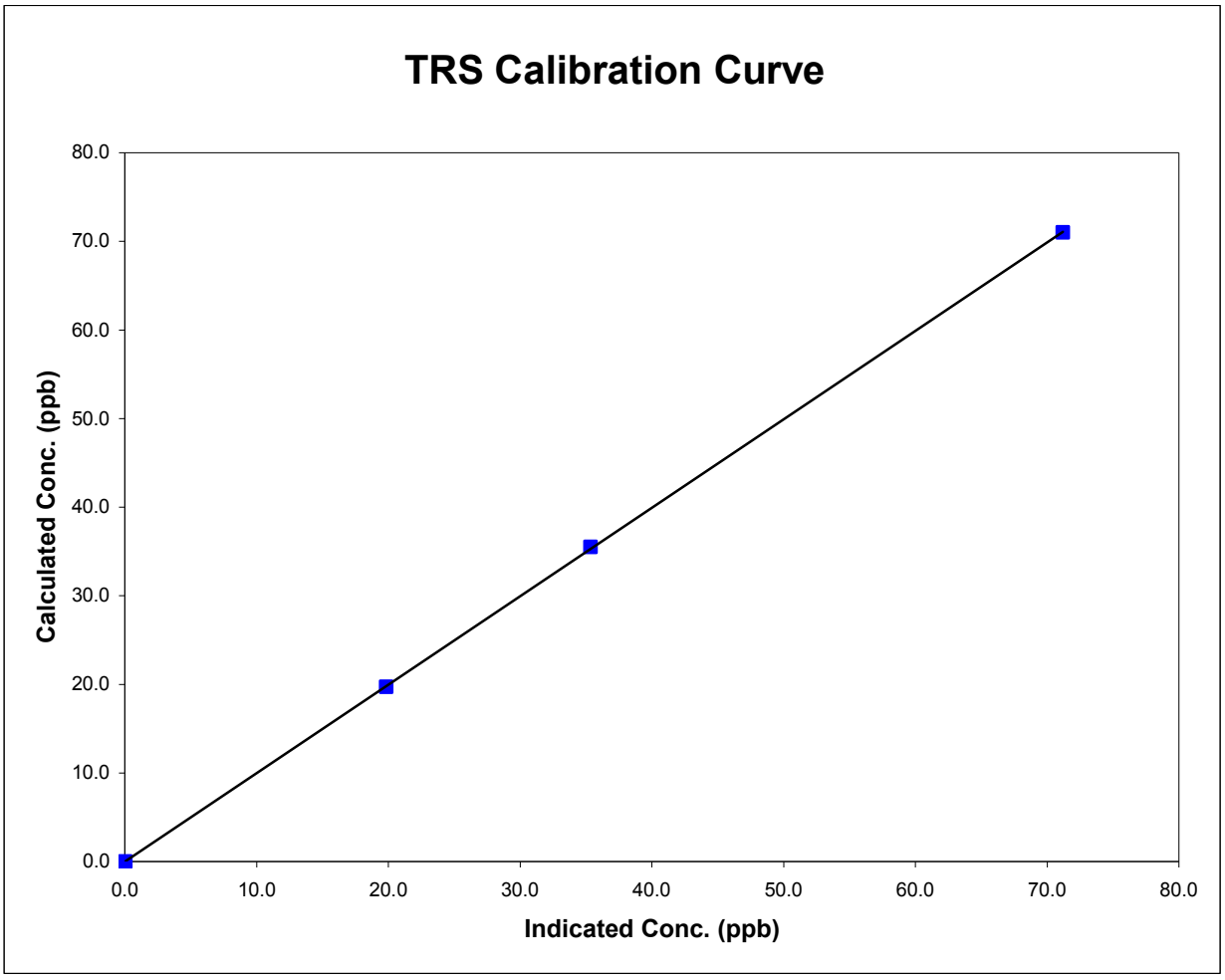
Air Monitoring Network **PASZA**

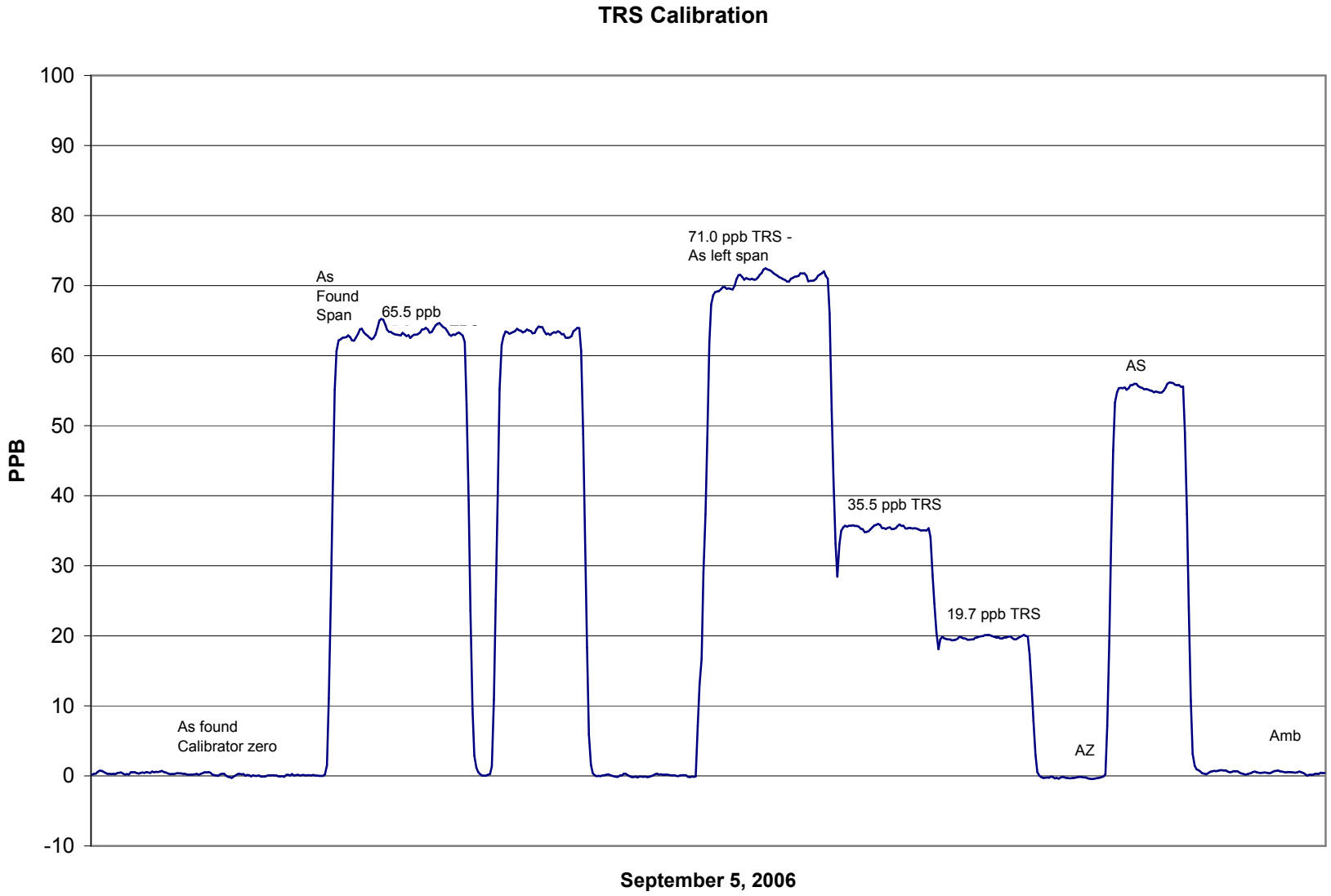
Station Information

Calibration Date	September 5, 2006	Previous Calibration	August 28, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	9:00	End Time (MST)	13:49
Analyzer make/model	TEI Model 43C	Analyzer serial #	0436610005

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
71.0	71.2	0.9973	Correlation Coefficient	0.999978
35.5	35.4	1.0043		
19.7	19.8	0.9944	Slope	0.998536
			Intercept	-0.004617




TRS Calibration
100
90
80
70
60
50
40
30
20
10
0
-10
PPB
As
Found
Span
65.5 ppb
71.0 ppb TRS -
As left span
35.5 ppb TRS
19.7 ppb TRS
AS
AZ
Amb
As found
Calibrator zero
September 5, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 21, 2006	Previous Calibration	August 28, 2006
Station Number	2	Station Location	Evergreen Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	9:19	End Time (MST)	16:00
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15
	Before		After
DACS slope	0.050000	DACS slope	0.050000
DACS intercept	-50.000000	DACS intercept	-50.000000

Analyzer Information

Analyzer make	R&P	Control Unit serial #	140AB246340305
Analyzer model	TEOM 1400AB	Sensor Unit serial #	140AB246340305

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	31	%	19	%
Ko Factor	10124		10124	
Temperature	7.4	Deg C	7.4	Deg C
Pressure	0.924	ATM	0.924	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.07		0.07
zero flow - auxillary	0.0	0.04		0.04
flow recovery - main	45 - 60 Seconds	32.0	45 - 60 Seconds	32.0
flow recovery - aux	46 - 60 Seconds	45.0	46 - 60 Seconds	45.0
Temperature	measured	7.6	+/- 1.0 Deg C	7.6
Pressure	measured	0.924	+/- 1.5% Δ_{ATM}	0.924
Total Flow	16.67 SLPM			
Main Flow	13.67 SLPM	14.40	+/- 1.0 SLPM	14.40
Auxillary Flow	3.0 SLPM	3.140	+/- 0.2 SLPM	3.140
Leak Check - main	0.0		<0.15 SLPM	
Leak Check - aux	0.0		<0.15 SLPM	
Ko Factor (w/o filter)	measured		filter weight (g)	0.11012
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: New filter.

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 19, 2006	Previous Calibration	August 30, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	9:15	End Time (MST)	12:39
Barometric Pressure	27.77 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Expiry Date	8/6/2006
Correction factor	0.943980	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	1.001420	Calculated slope	0.999691
Calculated intercept	-0.500222	Calculated intercept	0.138074
Analyzer make	API 102A	Analyzer serial #	212

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	574	ccm	569	ccm
UV Lamp Voltage	3072	mv	3459	mv
Lamp Ratio	100	%	100.5	%
Rx Cell Temp	51	Deg C	51.4	Deg C
PMT Temp	7	Deg C	6.9	Deg C
IZS Temp	45	Deg C	45	Deg C
Slope	0.851		0.854	
Intercept	23.4		27	

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2407.1	0.0	-0.1	N/A
2550	2407.1	308.6	308.4	1.0006
4975	4696.3	158.2	158.6	0.9971
8000	7551.8	98.4	97.8	1.0058
zero	2407.1	0.0	-0.1	As Found Zero
2550	2407.1	308.6	267.5	As Found Span
			Average Correction Factor	1.0011

Calculated value of As Found Response: 267.506 ppm Percent Change of As Found: 13.3%

	before calibration		after calibration	
Auto zero	-1.0	ppm	1.2	ppm
Auto span	226.2	ppm	229.7	ppm

Notes: Repeaked lamp. Recalibrated lamp. Adjusted high point.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

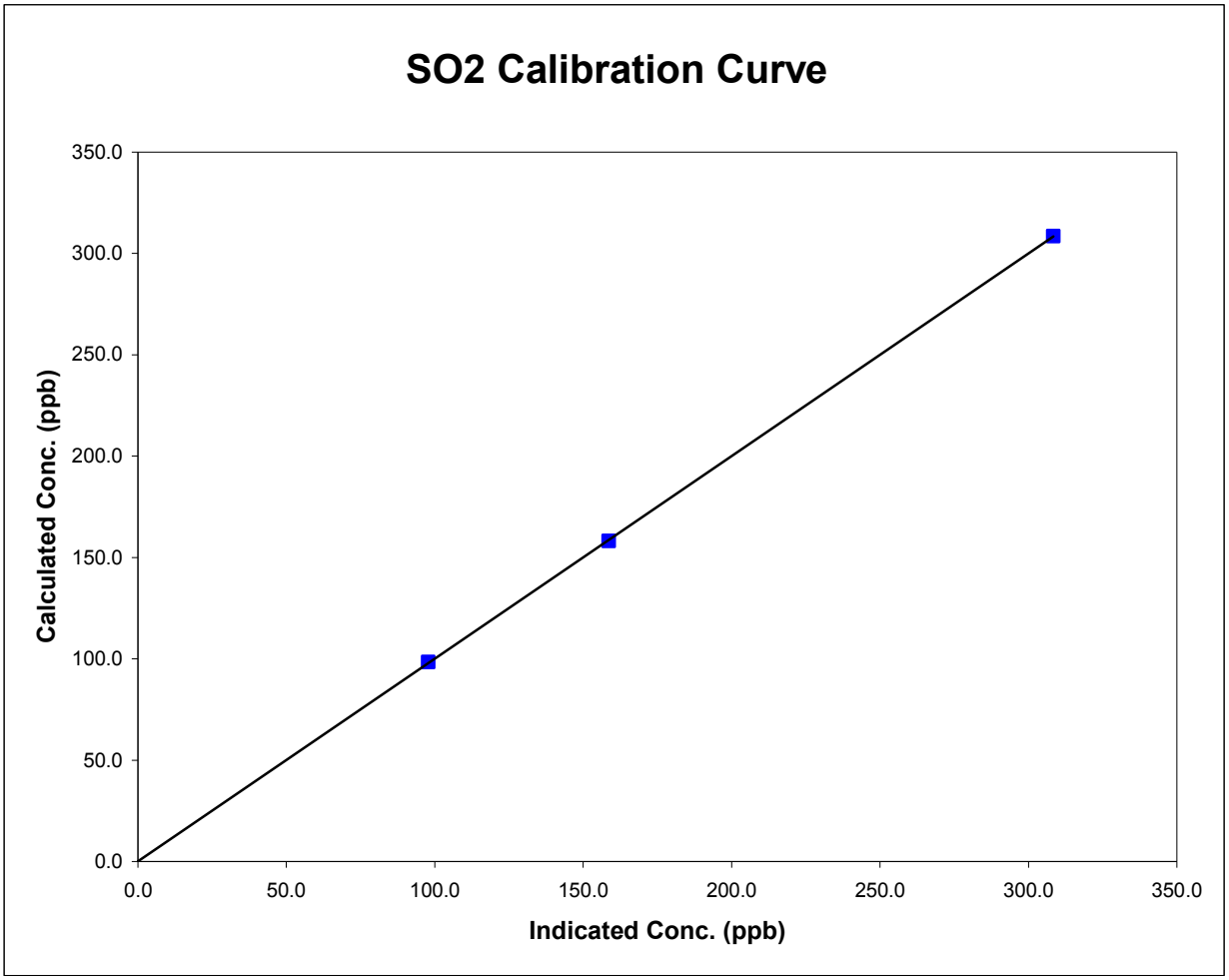
Air Monitoring Network **PASZA**

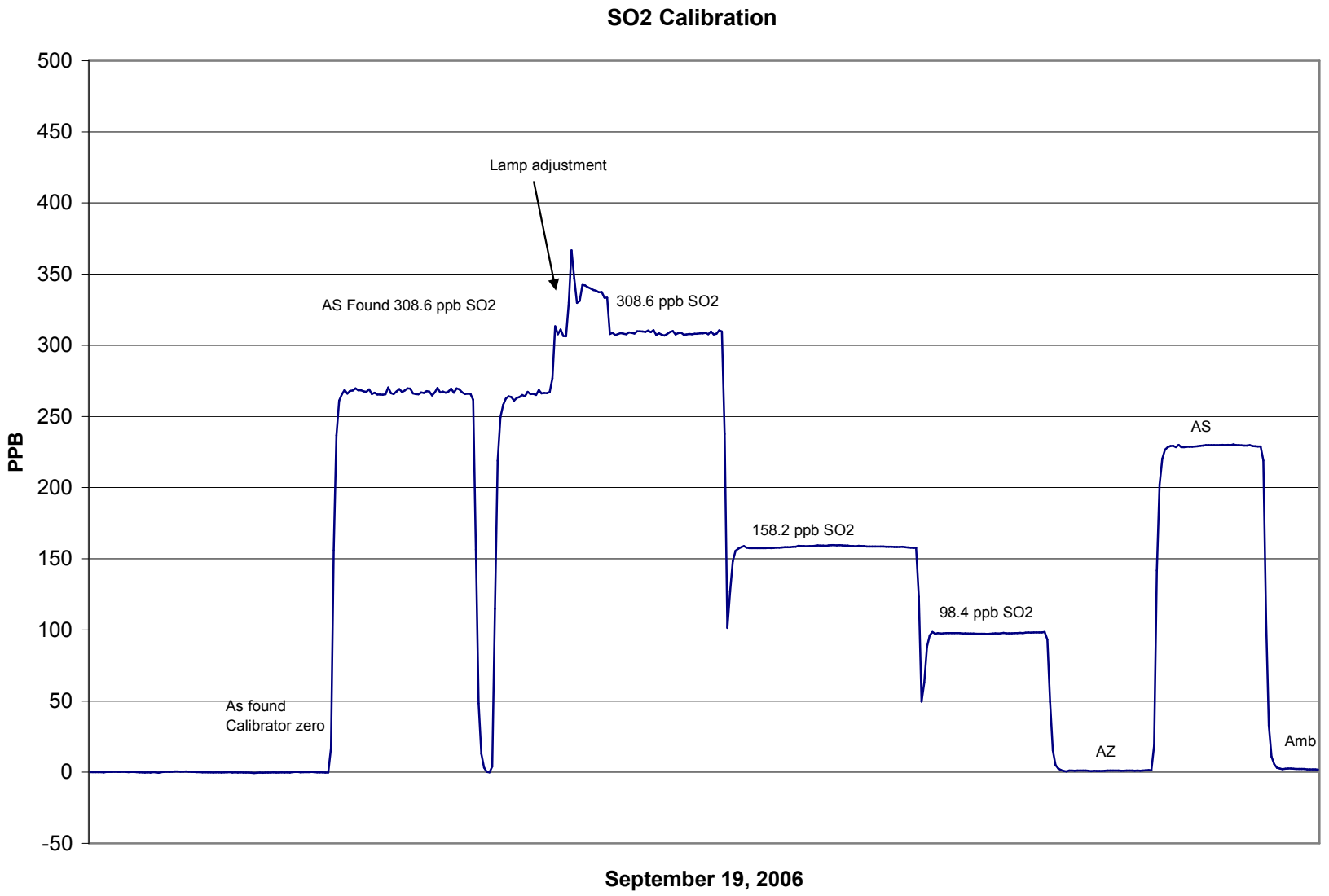
Station Information

Calibration Date	September 19, 2006	Previous Calibration	August 30, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	9:15	End Time (MST)	12:39
Analyzer make/model	API 102A	Analyzer serial #	212

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
308.6	308.4	1.0006	Correlation Coefficient	0.999989
158.2	158.6	0.9971		
98.4	97.8	1.0058	Slope	0.999691
			Intercept	0.138074




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
Lamp adjustment
AS Found 308.6 ppb SO2
308.6 ppb SO2
158.2 ppb SO2
98.4 ppb SO2
AS
As found
Calibrator zero
AZ
Amb
September 19, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 19, 2006	Previous Calibration	August 30, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine: ■ Install: ☐ Removal: ☐ Other: ☐		
Start Time (MST)	9:15	End Time (MST)	12:39
Barometric Pressure	27.77 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/6/2006
Correction factor	0.943980	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	0.995775	Calculated slope	1.001145
Calculated intercept	-0.064007	Calculated intercept	-0.148357
Analyzer make	TEI Model 43C	Analyzer serial #	436610004

	before		after	
Concentration range	100	ppb	100	ppb
Background	10.5	ppb	11.7	ppb
coefficient	1.045		1.074	
Lamp Voltage	760	volts	771	volts
Chamber Temp	44	Deg C	43.9	Deg C
Perm Gas Temp	45	Deg C	44.99	Deg C
Pressure	487.9	mm Hg	508.4	mm Hg
Sample Flow	762	ccm	798	ccm
Lamp Intesity	32,300	mv	32,200	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2407.1	0.0	-0.3	N/A
2550	2407.1	70.2	69.9	1.0043
4975	4696.3	36.0	36.6	0.9819
8000	7551.8	22.4	22.7	0.9847
zero	2407.1	0.0	-0.3	As Found Zero
2550	2407.1	70.2	69.7	As Found Span
			Average Correction Factor	0.9903

Calculated value of As Found Response: 69.57 ppm Percent Change of As Found: 0.9%

	before calibration		after calibration	
Auto zero	-0.2	ppm	-0.4	ppm
Auto span	44.1	ppm	45.5	ppm

Notes: Adjusted high point.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **TRS**

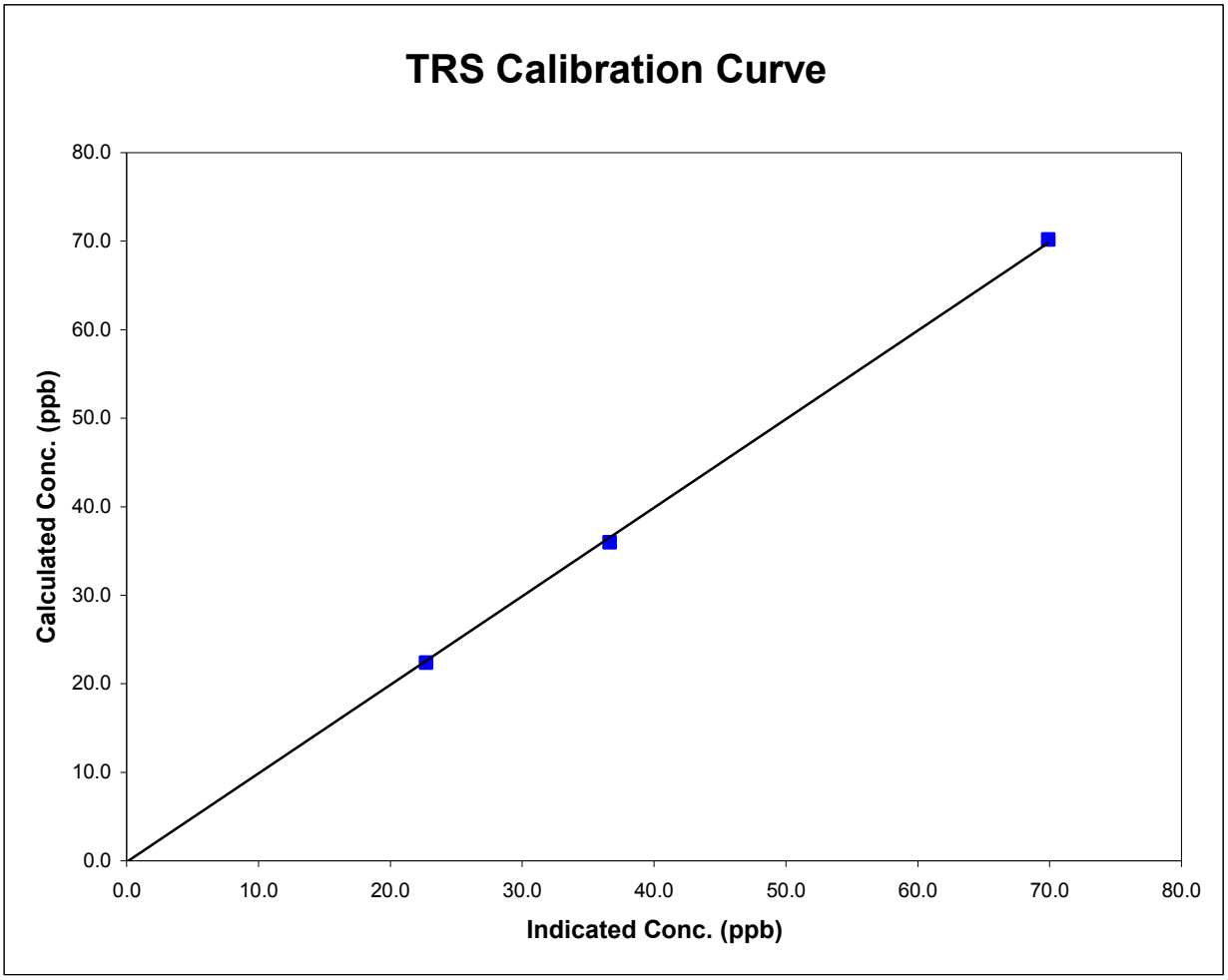
Air Monitoring Network **PASZA**

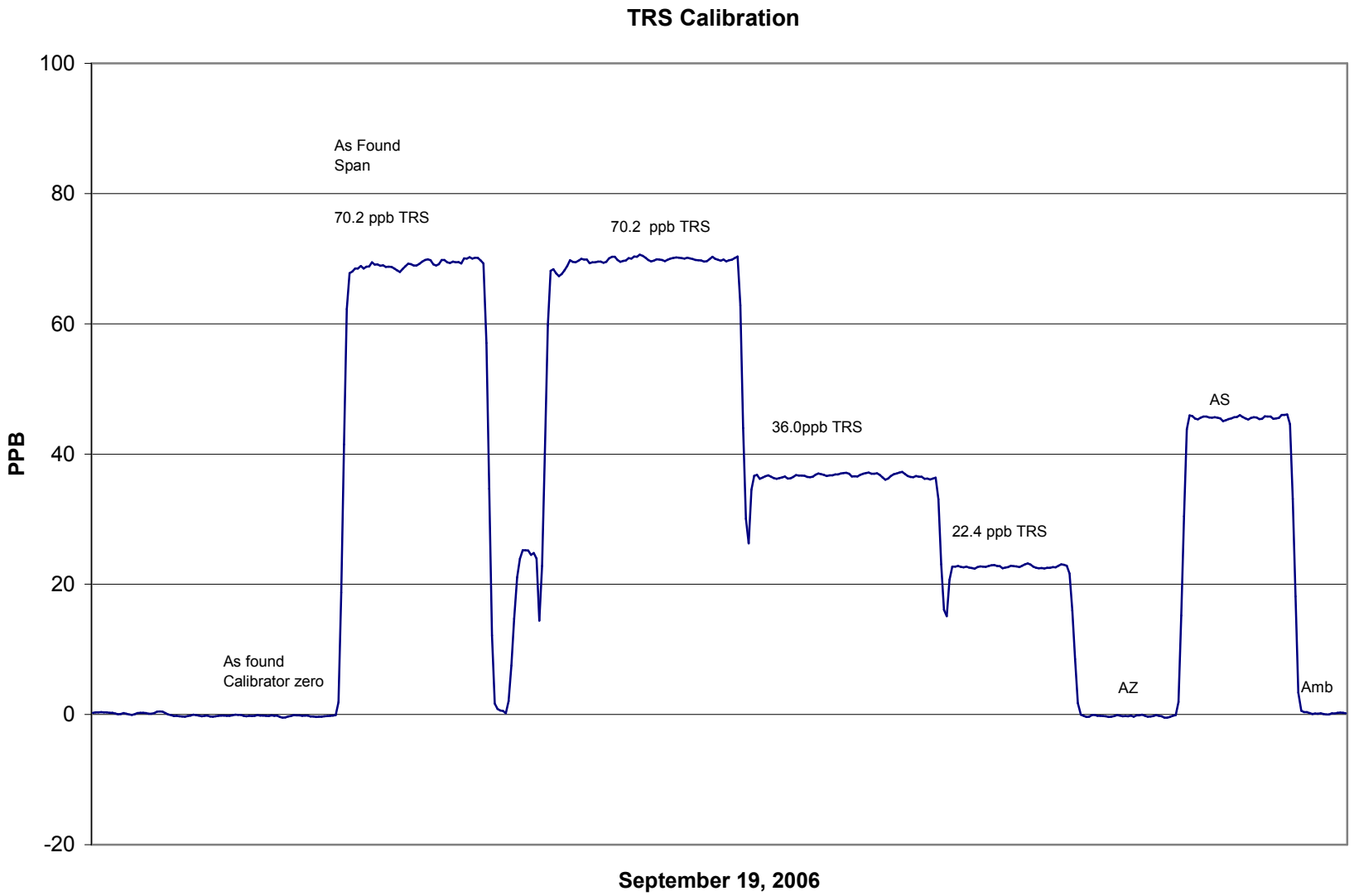
Station Information

Calibration Date	September 19, 2006	Previous Calibration	August 30, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	9:15	End Time (MST)	12:39
Analyzer make/model	TEI Model 43C	Analyzer serial #	436610004

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	N/A		
70.2	69.9	1.0043	Correlation Coefficient	0.999741
36.0	36.6	0.9819		
22.4	22.7	0.9847	Slope	1.001145
			Intercept	-0.148357




TRS Calibration
100
80
60
40
20
0
-20
PPB
As Found
Span
70.2 ppb TRS
70.2 ppb TRS
36.0ppb TRS
22.4 ppb TRS
AS
As found
Calibrator zero
AZ
Amb
September 19, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 19, 2006	Previous Calibration	July 11, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	11:45	End Time (MST)	13:00
Barometric Pressure	0.925 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15

Analyzer Information

Analyzer make	R&P	Control Unit serial #	140AB246340305
Analyzer model	TEOM 1400AB	Sensor Unit serial #	140AB246340305

	before		after	
Main Flow Set Point	2.990	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	36	%	17	%
Ko Factor	12122		12122	
Temperature	8.5	Deg C	8.5	Deg C
Pressure	0.928	ATM	0.928	ATM
Main Fadj	1.000		1.000	
Aux Fadj	1.000		1.000	

Calibration Data

Parameter	Set Point	As Found	Tolerance	New Reading
zero flow - main	0.0	0.01		0.01
zero flow - auxillary	0.0	-0.02		-0.02
flow recovery - main	45 - 60 Seconds	25	45 - 60 Seconds	25
flow recovery - aux	46 - 60 Seconds	35	46 - 60 Seconds	35
Temperature	measured	8.5	+/- 1.0 Deg C	8.5
Pressure	measured	0.928	+/- 1.5% Δ_{ATM}	0.928
Total Flow	16.67 SLPM	16.35		16.35
Main Flow	13.67 SLPM	13.61	+/- 1.0 SLPM	13.61
Auxillary Flow	3.0 SLPM	3.044	+/- 0.2 SLPM	3.044
Leak Check - main	0.0	0.01	<0.15 SLPM	0.01
Leak Check - aux	0.0	-0.03	<0.15 SLPM	-0.03
Ko Factor (w/o filter)	measured		filter weight (g)	0.11014
Ko Factor (w/ filter)	measured		% Ko difference	

Notes: New mass filter.

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 18, 2006	Previous Calibration	August 11, 2006
Station Number	4	Station Location	Beaverlodge

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	13:08	End Time (MST)	16:22
Barometric Pressure	0.916 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2488
Cal Gas Make	Scott	Cal Gas Expiry Date	December 12, 2005
Cal Gas Conc.	10.3 ppm	Cal Gas Cylinder #	BLM002816
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3

	Before		After
Calculated slope	0.997178	Calculated slope	0.996355
Calculated intercept	0.265768	Calculated intercept	0.116911

Analyzer make	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.54	ppb	2.4	ppb
Coefficient	0.809		0.868	
Lamp Voltage	901.0	Volts	903.0	Volts
Chamber Temp	43.6	Deg C	43.6	Deg C
Sample Flow	618	ccm	619	ccm

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.00	-0.09	N/A
4996	39.94	81.69	81.78	0.9988
4996	19.97	41.01	41.32	0.9924
4996	9.95	20.47	20.21	1.0131
4996	0.00	0.00	-0.43	As Found Zero
4996	39.94	81.69	75.65	As Found Span
			Average Correction Factor	1.0015

Calculated value of As Found Response: 76.129 ppm Percent Change of As Found: 6.8%

	before calibration		after calibration	
Auto zero	0.18	ppm	0.00	ppm
Auto span	27.59	ppm	28.70	ppm

Notes: Adjusted zero and span.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

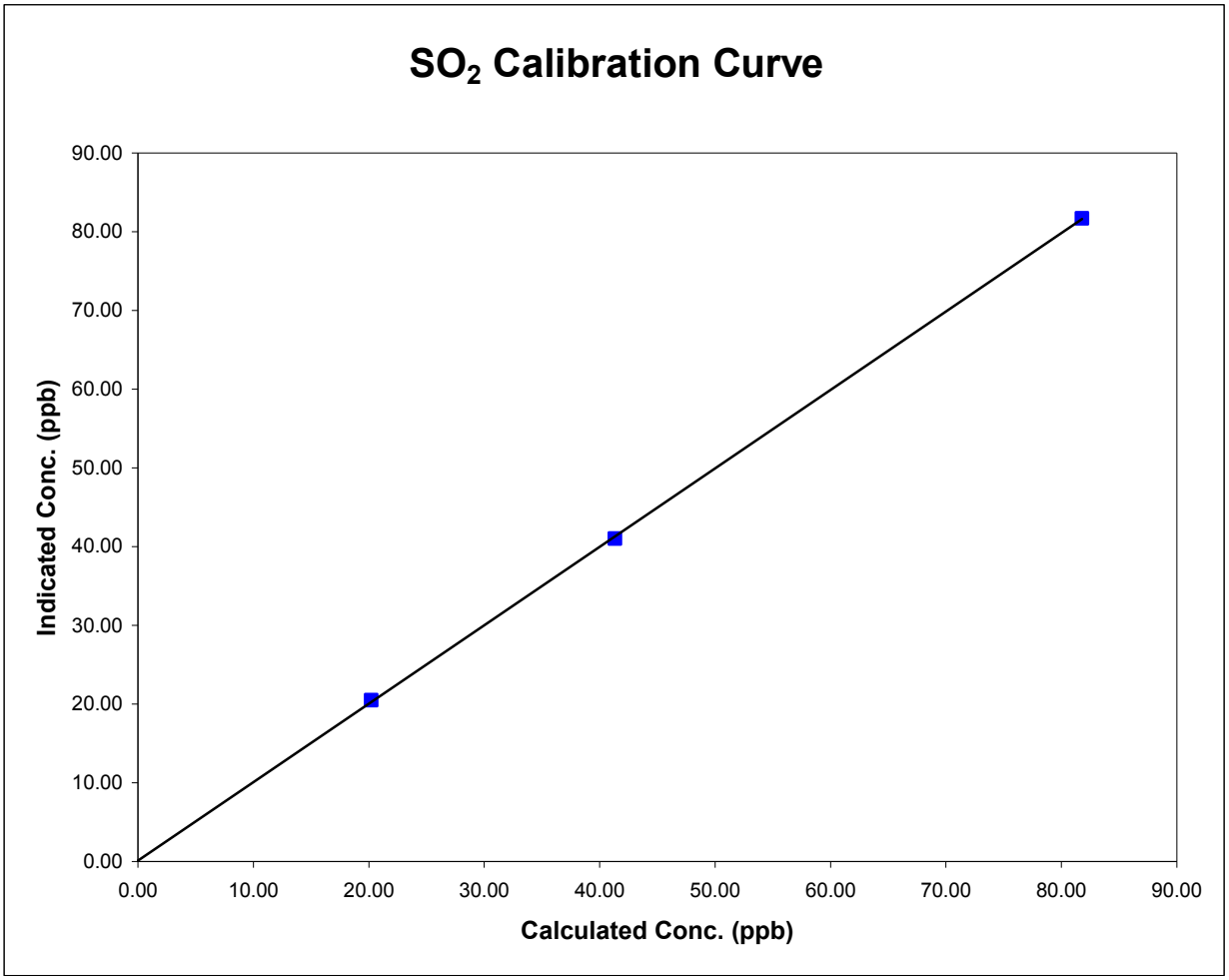
Air Monitoring Network **PASZA**

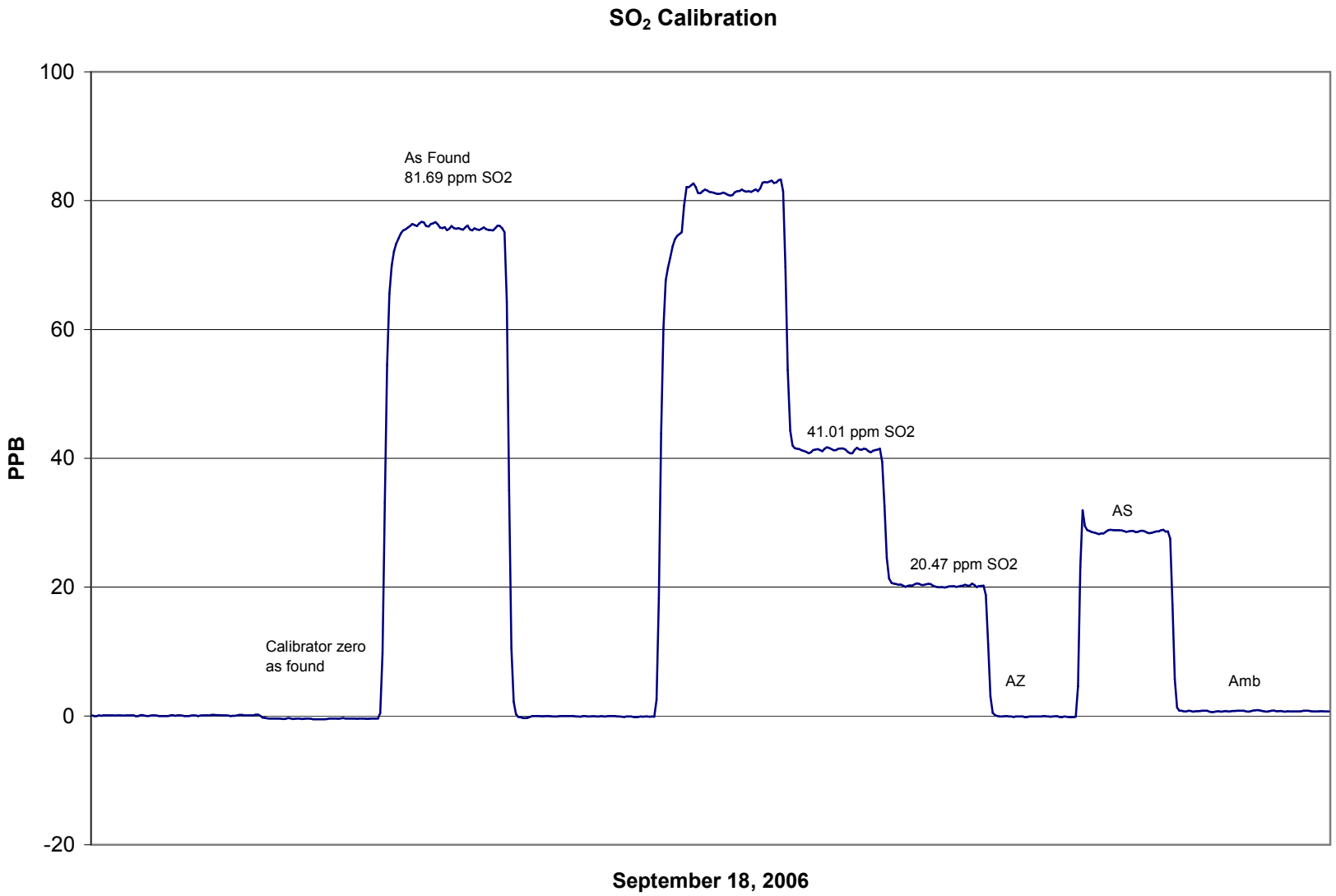
Station Information

Calibration Date	September 18, 2006	Previous Calibration	August 11, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	13:08	End Time (MST)	16:22
Analyzer make/model	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	-0.089	N/A		
81.689	81.784	0.9988	Correlation Coefficient	0.999963
41.007	41.321	0.9924		
20.473	20.208	1.0131	Slope	0.996355
			Intercept	0.116911




SO2 Calibration
100
80
60
40
20
0
-20
PPB
As Found
81.69 ppm SO2
41.01 ppm SO2
20.47 ppm SO2
AS
Calibrator zero
as found
AZ
Amb
September 18, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 14, 2006	Previous Calibration	August 10, 2006
Station Number	4	Station Location	Beaverlodge

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	11:15		End Time (MST)	16:10	
Barometric Pressure	0.923	Atm	Station Temperature	20.0	Deg C
Calibrator	Environics 6103		Serial Number	2844	
NO Cal Gas Conc	50.3	ppm	Cal Gas Expiry Date	Nov 22/06	
NOx Cal Gas Conc	50.5	ppm	Cal Gas Serial #	BAL786	

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269

Parameter		NO2	NOx	NO
Before	Data Slope	1.005629	1.000758	0.998218
	Data Offset	0.807509	0.412138	0.274738
After	Data Slope	1.023964	1.003319	1.002750
	Data Offset	-0.005318	0.384815	-2.729670
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model	TEI Model 42	Analyzer serial #	42-28486-231

Test Point	before		after	
Concentration range	0-1000	ppb	0-1000	ppb
NO background	1.2	ppb	1.3	mV
NOx background	1.4	ppb	1.5	mV
NO coefficient	1.002		1.042	
NOx coefficient	0.984		0.973	
Box Temp	31.9	ccm	35	ccm
Chamber Temp	49.4	Deg C	49.2	Deg C
Cooler Temp	-2.0	Deg C	-2.0	Deg C
Converter Temp	324.0	Deg C	323.0	Deg C
Sample Flow	818.0	LPM	821.0	LPM
Ozonator Flow	0.087	LPM	0.087	LPM
Pressure	165.7	inches HG	168.3	inches Hg

Notes: No zero adjust.
Adjusted high point.

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: September 14, 2006 Station Location: Beaverlodge

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor
zero	4996	0.00	0.0	0.0	0.0	-0.4	-0.4	-0.4	N/A	N/A
1	4996	79.86	794.5	791.4	3.1	791.0	788.7	1.5	1.0045	1.0034
2	4996	39.98	400.9	399.3	1.6	400.8	407.2	-6.9	1.0004	0.9807
3	4996	20.00	201.4	200.6	0.8	199.3	202.9	-4.1	1.0105	0.9886
AFZ	4996	0.00	0.0	0.0	0.0	-0.4	-0.4	-0.4	0.0000	0.0000
AFS	4996	79.86	794.5	791.4	3.1	774.2	762.0	11.4	1.0263	1.0385
							Average Correction Factor		1.0051	0.9909

As Found Concentrations: NO_X= 775.0 NO= 762.7 As Found Percent Change NO_X= -2.5% NO= -3.6%

GPT Calibration Data

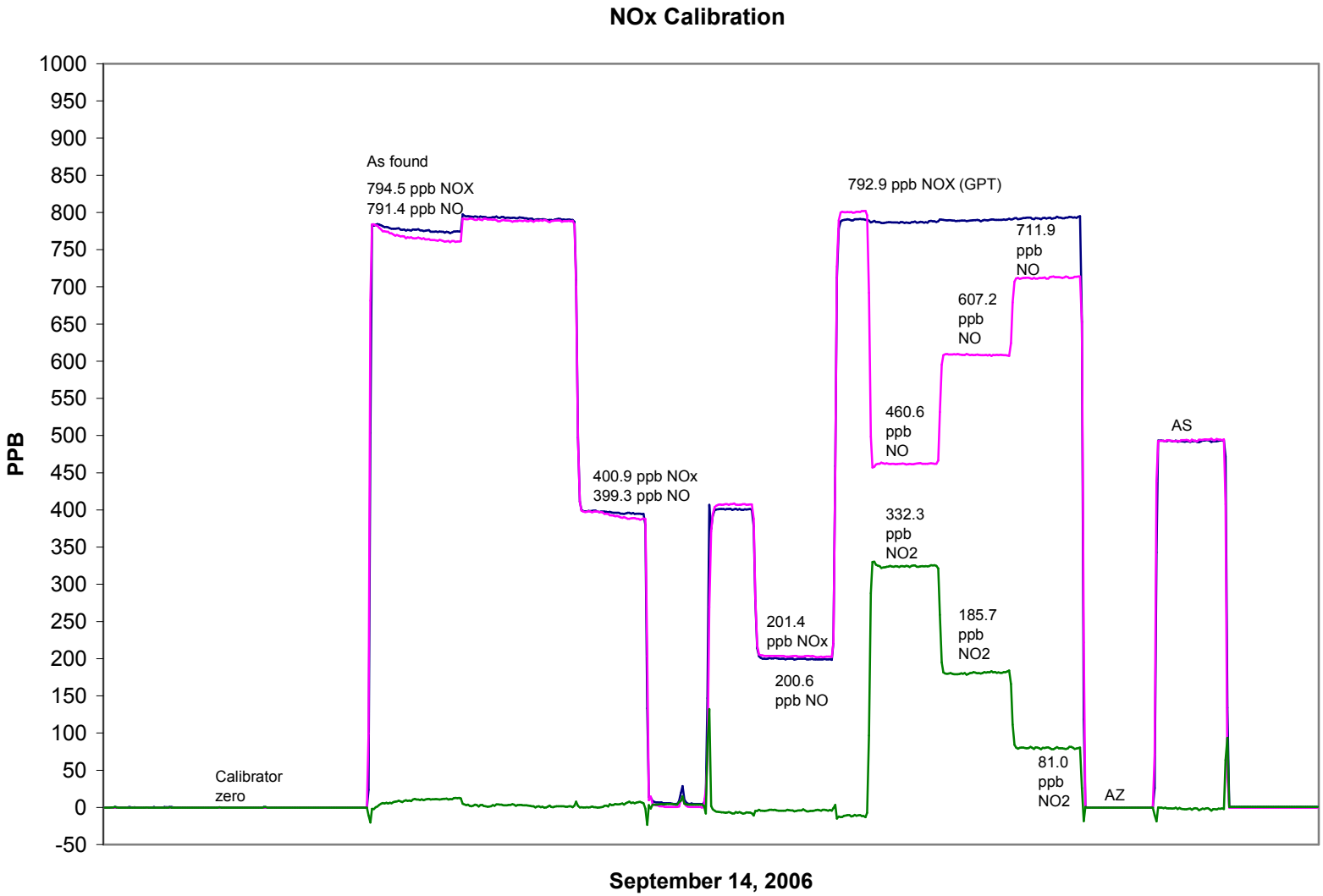
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

O3 Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	NO2 Correction factor	Converter Efficiency
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
NO point	792.9	800.2	-7.3	790.3	800.7	-11.5	1.0033	0.9993	N/A	N/A
350	792.9	460.6	332.3	786.9	462.0	324.5	1.0076	0.9968	1.0242	97.6%
200	792.9	607.2	185.7	789.8	608.3	181.2	1.0039	0.9983	1.0246	97.6%
100	792.9	711.9	81.0	792.9	712.7	79.7	0.9999	0.9989	1.0162	98.4%
					Average Correction Factor		1.0038	0.9980	1.0217	97.9%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.1	0.4	-0.1	ppb	0.1	-0.3	-3.1	ppb
Auto span	490.2	9.3	479.8	ppb	494.5	-2.3	492.7	ppb

Calibration Performed By: Dawn Ewan


NOx Calibration
PPB
1000
950
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
-50
As found
794.5 ppb NOX
791.4 ppb NO
400.9 ppb NOx
399.3 ppb NO
201.4
ppb NOx
200.6
ppb NO
792.9 ppb NOX (GPT)
460.6
ppb
NO
607.2
ppb
NO
711.9
ppb
NO
332.3
ppb
NO2
185.7
ppb
NO2
81.0
ppb
NO2
AS
AZ
Calibrator
zero
September 14, 2006

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

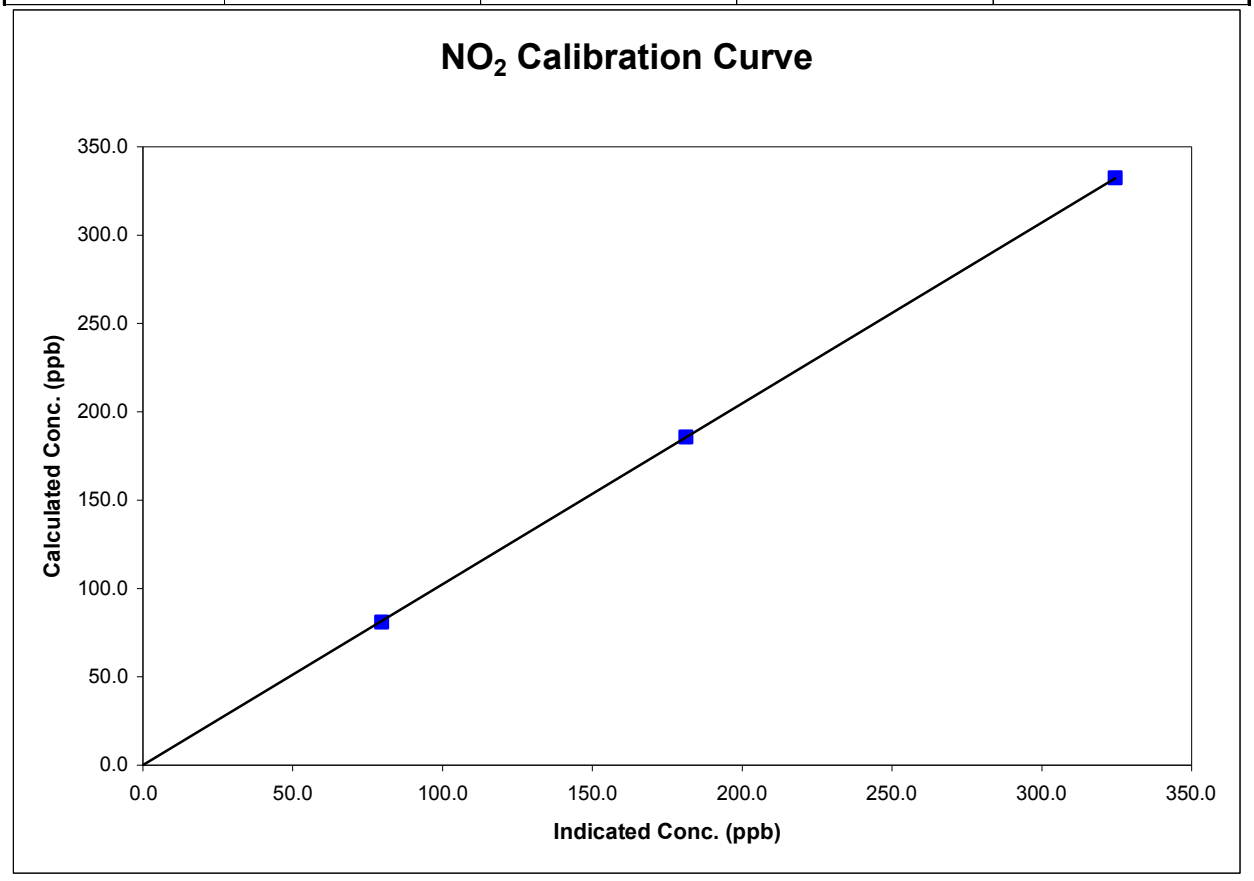
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 14, 2006	Previous Calibration	August 10, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	11:15	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.4	0.0000		
332.3	324.5	1.0242	Correlation Coefficient	0.999991
185.7	181.2	1.0246		
81.0	79.7	1.0162	Slope	1.023964
			Intercept	-0.005318



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

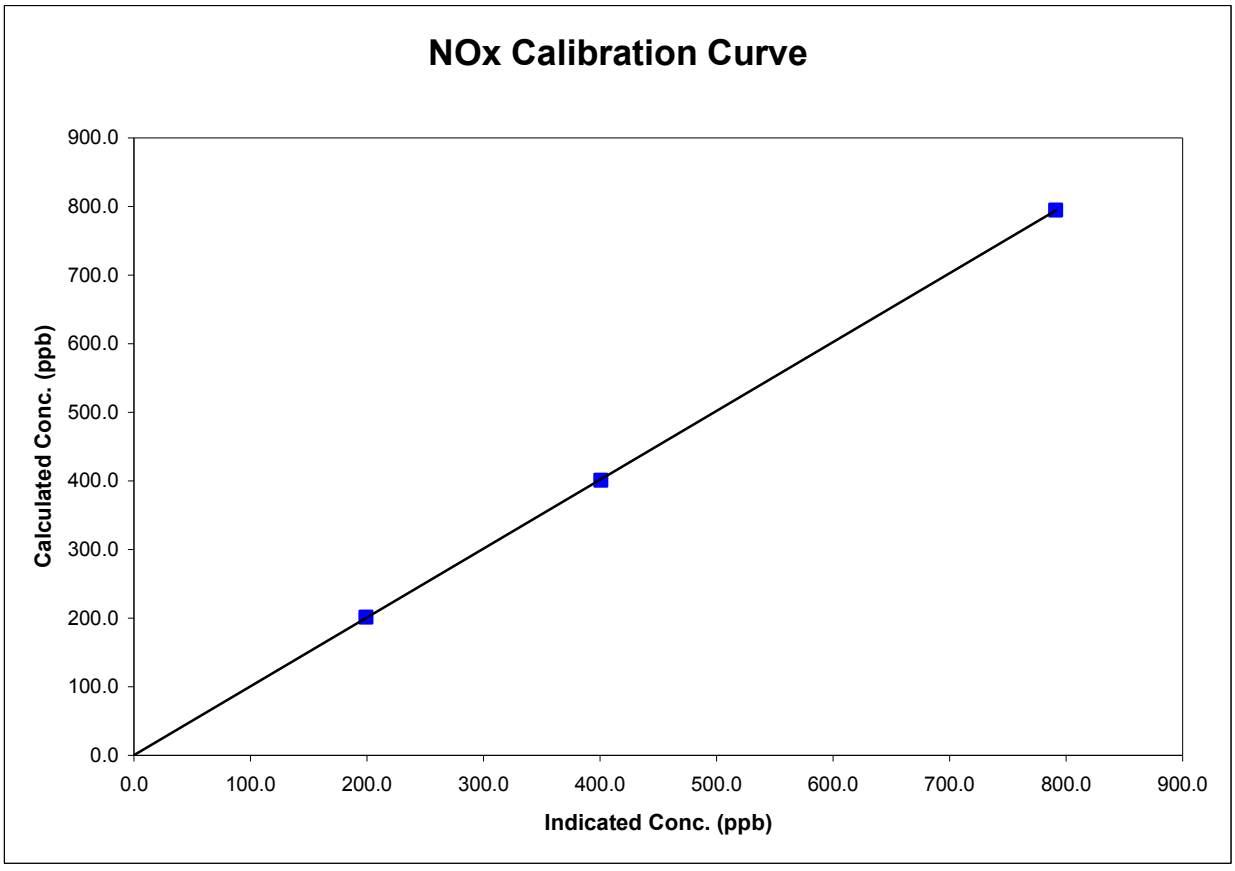
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 14, 2006	Previous Calibration	August 10, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	11:15	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.4	0.0000		
794.5	791.0	1.0045	Correlation Coefficient	0.999989
400.9	400.8	1.0004		
201.4	199.3	1.0105	Slope	1.003319
			Intercept	0.384815



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

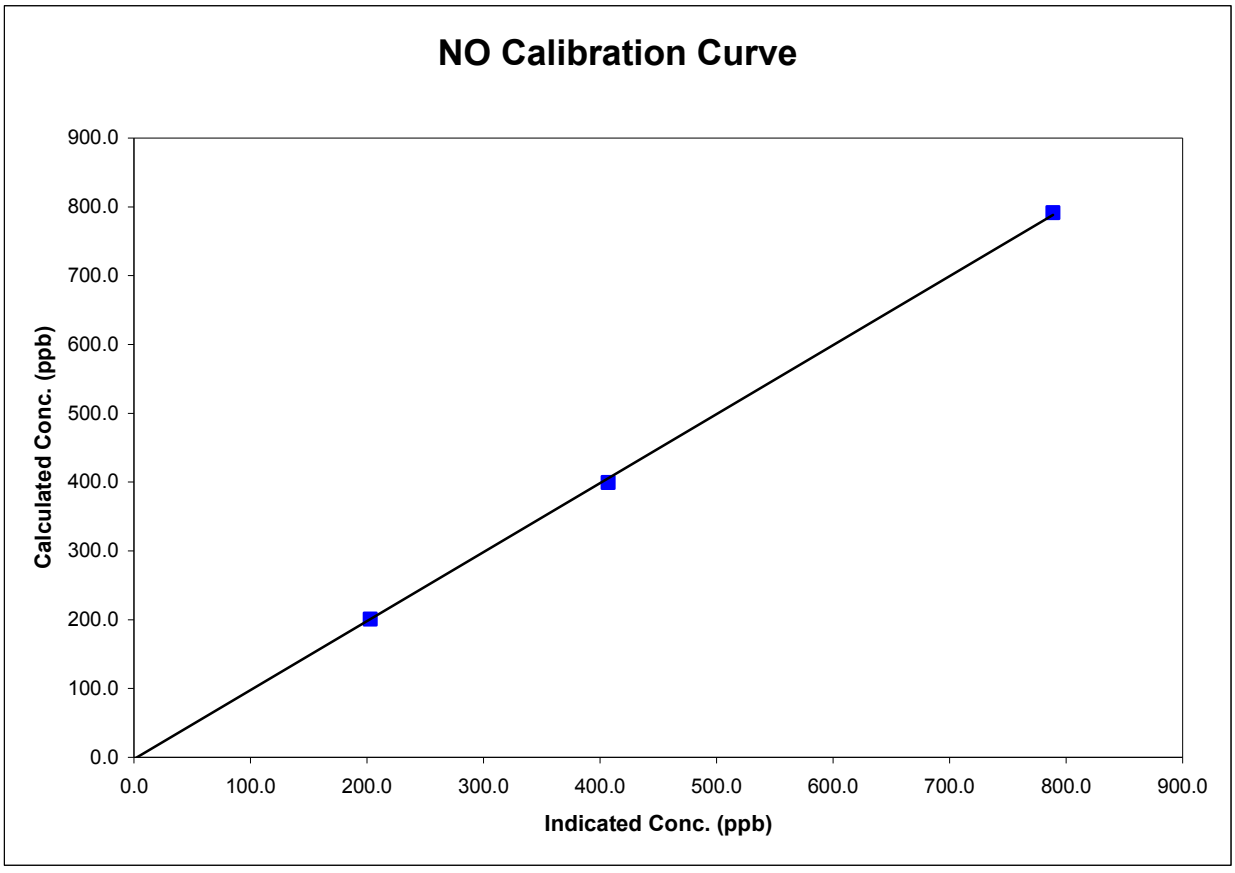
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 14, 2006	Previous Calibration	August 10, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	11:15	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.4	N/A		
791.4	788.7	1.0034	Correlation Coefficient	0.999827
399.3	407.2	0.9807		
200.6	202.9	0.9886	Slope	1.002750
			Intercept	-2.729670



Calibration Report

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 18, 2006	Previous Calibration	August 11, 2006
Station Number	4	Station Location	Beaverlodge

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	12:20	End Time (MST)	15:45
Barometric Pressure	0.914 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	0.989909	Calculated slope	1.026481
Calculated intercept	1.723874	Calculated intercept	6.588530
Analyzer make	Teco 49C	Analyzer serial #	49C-76443-383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.50	ppb	-0.50	ppb
slope	1.04		1.03	
Lamp temp	71	mV	71	mV
Lamp Intensity A/B	86200/84100	mV	85800/84200	mV
Pressure	687.6	inches Hg	688.2	inches Hg
Flow A	753	ccm	754	ccm
Flow B	710	Deg C	711	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.0	N/A
4992	0.00	332.3	333.4	0.9967
4992	0.00	185.7	189.8	0.9782
4992	0.00	81.0	89.9	0.9006
4992	0.00	0.0	0.6	As found zero
4992	0.00	332.3	332.9	As found span
			Average Correction Factor	0.9585

Calculated value of As Found Response: 330.7 ppm Percent Change of As Found: -0.5%

	before calibration		after calibration	
Auto zero	1.9	ppb	6.6	ppb
Auto span	112.2	ppb	118.3	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

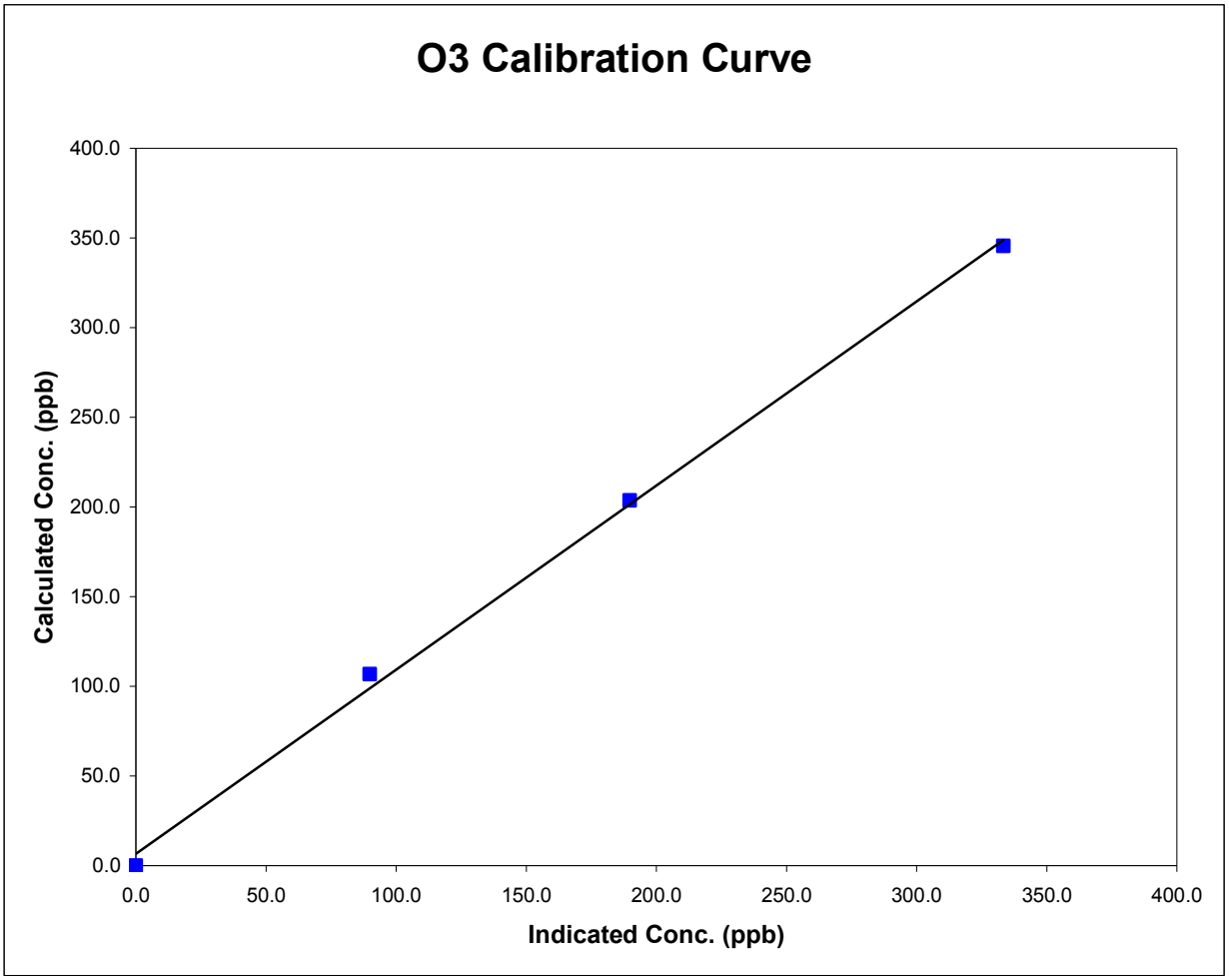
FOCUS AIR QUALITY MONITORING

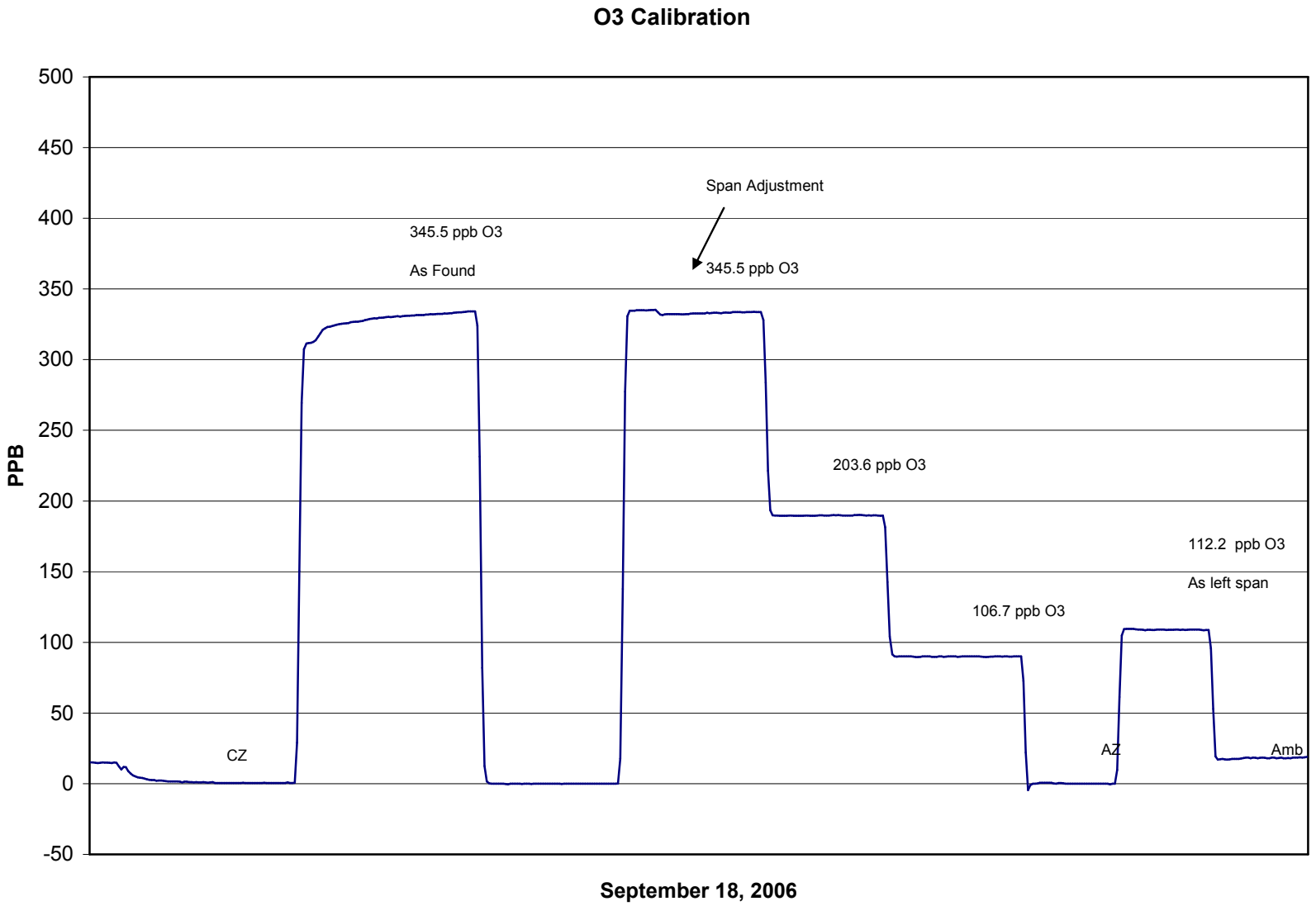
Station Information

Calibration Date	September 18, 2006	Previous Calibration	August 11, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:20	End Time (MST)	15:45
Analyzer make/model	Teco 49C	Analyzer serial #	49C-76443-383

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	NA		
345.5	333.4	1.0363	Correlation Coefficient	0.998140
203.6	189.8	1.0725		
106.7	89.9	1.1864	Slope	1.026481
			Intercept	6.588530




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
Span Adjustment
345.5 ppb O3
As Found
345.5 ppb O3
203.6 ppb O3
112.2 ppb O3
As left span
106.7 ppb O3
CZ
AZ
Amb
September 18, 2006

Calibration Report

Parameter **PM2.5**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 18, 2006	Previous Calibration	August 11, 2006
Station Number	4	Station Location	Beaverlodge

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	13:09	End Time (MST)	14:30
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	10

Analyzer Information

Analyzer make	R&P	Control Unit serial #	140AB246340305
Analyzer model	TEOM 1400AB	Sensor Unit serial #	140AB246340305

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	30	%	18	%
Ko Factor	14287		14287	
Temperature	7.1	Deg C	7.1	Deg C
Pressure	0.915	ATM	0.915	ATM

Calibration Data

Parameter	Set Point	Teom Reading (As Found)	Tolerance	Teom Reading (After Adjustments)
zero flow - main	0.0	0.04		0.04
zero flow - auxillary	0.0	0.09		0.09
flow recovery - main	45 - 60 Seconds	38.00	45 - 60 Seconds	38.00
flow recovery - aux	46 - 60 Seconds	43.00	46 - 60 Seconds	43.00
Temperature	measured	7.1	+/- 1.0 Deg C	7.1
Pressure	measured	0.914	+/- 1.5% Δ_{ATM}	0.914
Total Flow	16.67 SLPM	16.60		16.60
Auxillary Flow	13.67 SLPM	13.70	+/- 1.0 SLPM	13.70
Main Flow	3.0 SLPM	3.090	+/- 0.2 SLPM	3.090
Leak Check - main	0.0	-0.01	<0.15 SLPM	-0.01
Leak Check - aux	0.0	0.12	<0.15 SLPM	0.12
Ko Factor (w/o filter)	measured		filter weight (g)	
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes:

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 30, 2006
Station Number	1	Station Location	Portable-Falher

Reason: Routine | Install | Removal | Other:

Start Time (MST)	12:00	End Time (MST)	15:20
Barometric Pressure	27.8 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.944320	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 10 volt	DACS channel #	5
	Before		After
Calculated slope	0.994857	Calculated slope	1.000361
Calculated intercept	0.166007	Calculated intercept	-1.297610

Analyzer make: TEI Model 43C APS1AB — Analyzer serial #: 609716238

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Background	9.8		8.2	
Coefficient	1.160		1.181	
UV Lamp voltage	781	V	771	V
Chamber Temperature	44.6	C	44.6	C
Perm gas Temp	45	C	45	C
Pressure	676.2	"Hg	689.1	"Hg
Sample Flow	486	LPM	496	LPM
Lamp Intensity	33900	Hz	33600	Hz

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2422.2	0.0	-0.1	N/A
2565	2422.2	306.7	307.5	0.9972
5000	4721.6	157.3	157.3	1.0003
8000	7554.6	98.3	102.6	0.9586
zero	2360.8	0.0	-1.5	As Found Zero
2500	2360.8	314.6	302.2	As Found Span
			Average Correction Factor	0.9854

Calculated value of As Found Response: 302.317 ppm Percent Change of As Found: 3.9%

	before calibration		after calibration	
Auto zero	0.2	ppm	-1.2	ppm
Auto span	303.2	ppm	295.6	ppm

Notes: Adjusted span and zero.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

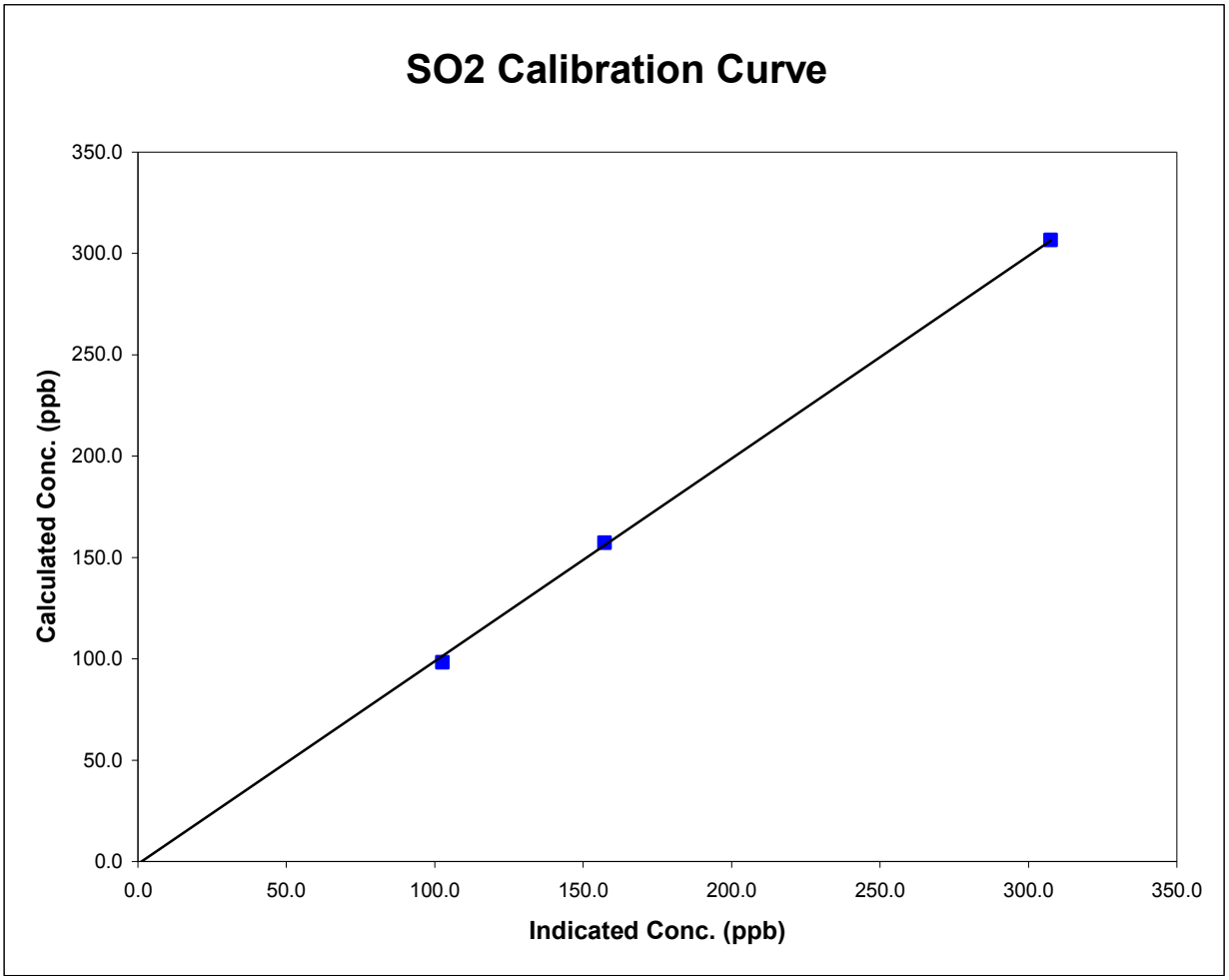
Air Monitoring Network **PASZA**

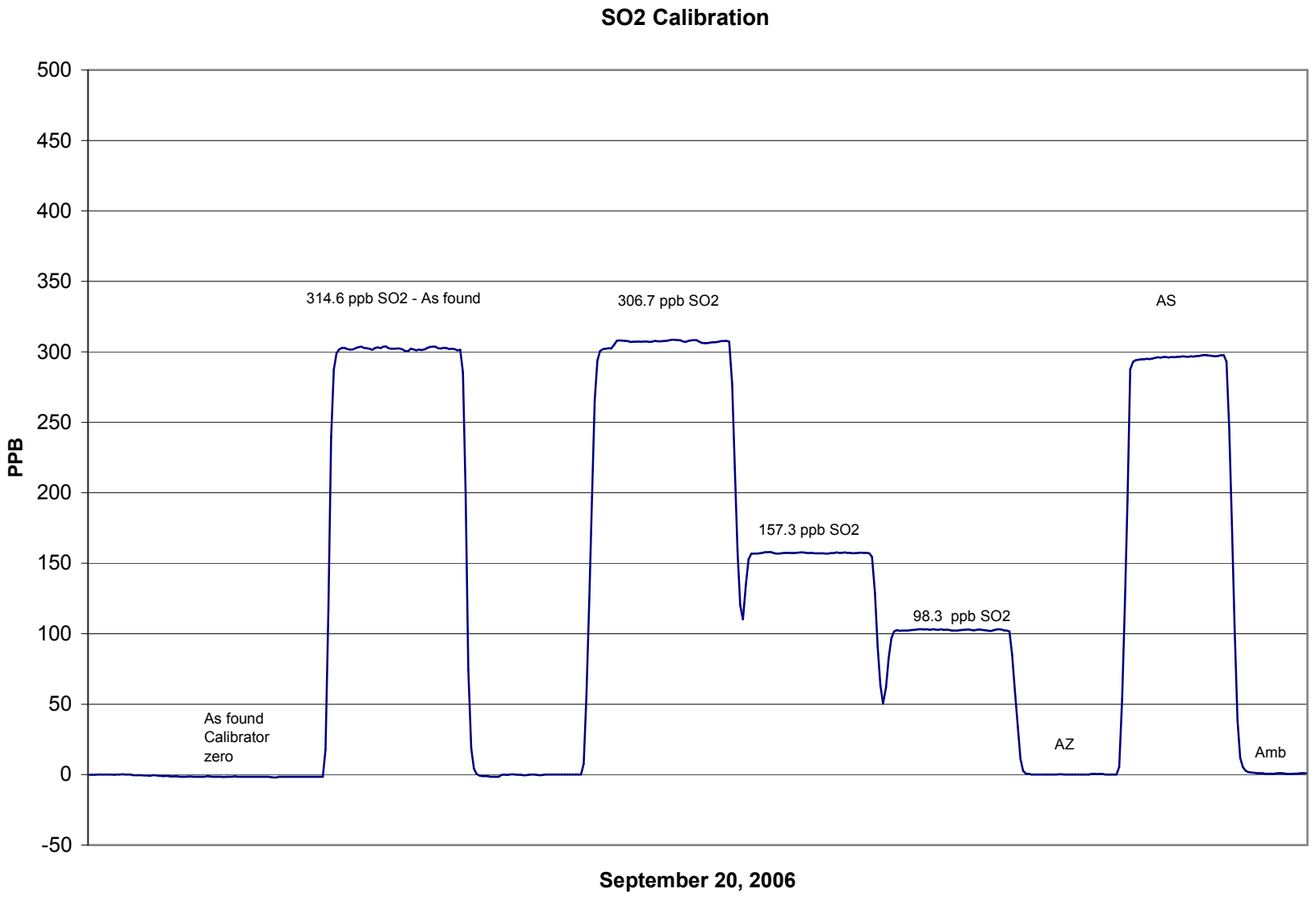
Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 30, 2006
Station Number	1	Station Location	Portable-Falher
Start Time (MST)	12:00	End Time (MST)	15:20
Analyzer make/model	TEI Model 43C APS1AB	Analyzer serial #	609716238

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
306.7	307.5	0.9972	Correlation Coefficient	0.999746
157.3	157.3	1.0003		
98.3	102.6	0.9586	Slope	1.000361
			Intercept	-1.297610




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
314.6 ppb SO2 - As found
306.7 ppb SO2
AS
157.3 ppb SO2
98.3 ppb SO2
As found
Calibrator
zero
AZ
Amb
September 20, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 28, 2006
Station Number	5	Station Location	Portable-Falher
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	12:00	End Time (MST)	15:20
Barometric Pressure	27.8 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.944320	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	6
	Before		After
Calculated slope	0.967802	Calculated slope	0.999535
Calculated intercept	0.574790	Calculated intercept	0.357266
Analyzer make	TEI Model 43C APS1AB	Analyzer serial #	609716238

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	11.1	ppb	9.3	ppb
coefficient	1.688		1.723	
Lamp Voltage	841	volts	822	volts
Chamber Temp	43.7	Deg C	43.6	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	659.1	mm Hg	671.1	mm Hg
Sample Flow	428	ccm	439	ccm
Lamp Intensity	37,800	mv	39,100	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2422.2	0.0	-0.5	N/A
2565	2422.2	69.8	69.5	1.0033
5000	4721.6	35.8	34.8	1.0276
8000	7554.6	22.4	22.7	0.9867
zero	2360.8	0.0	-2.2	As Found Zero
2500	2360.8	71.6	66.0	As Found Span
			Average Correction Factor	1.0059

Calculated value of As Found Response: 66.66 ppm Percent Change of As Found: 6.9%

	before calibration		after calibration	
Auto zero	0.7	ppm	-0.1	ppm
Auto span	57.1	ppm	79.7	ppm

Notes: Adjusted span and zero.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

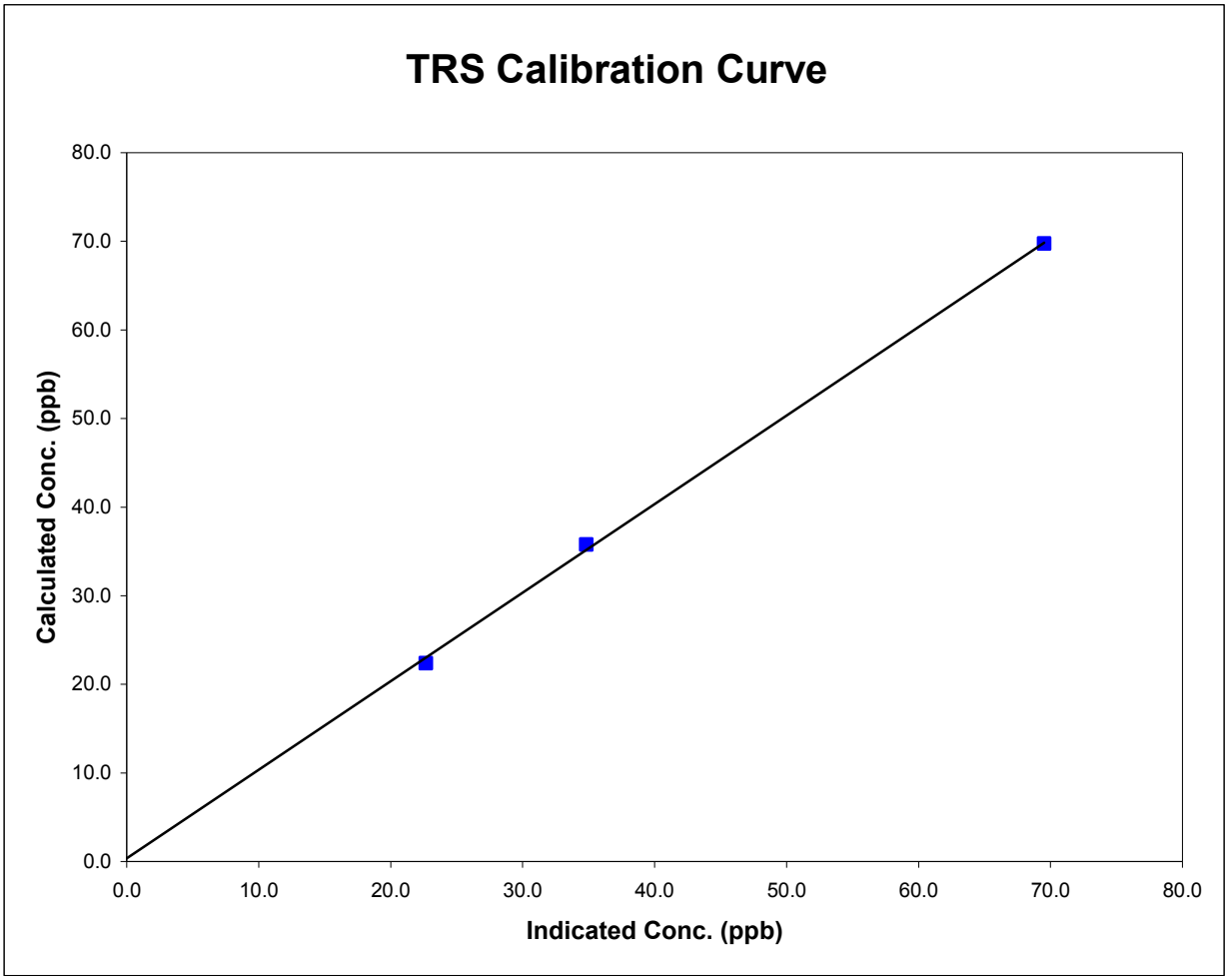
Air Monitoring Network **PASZA**

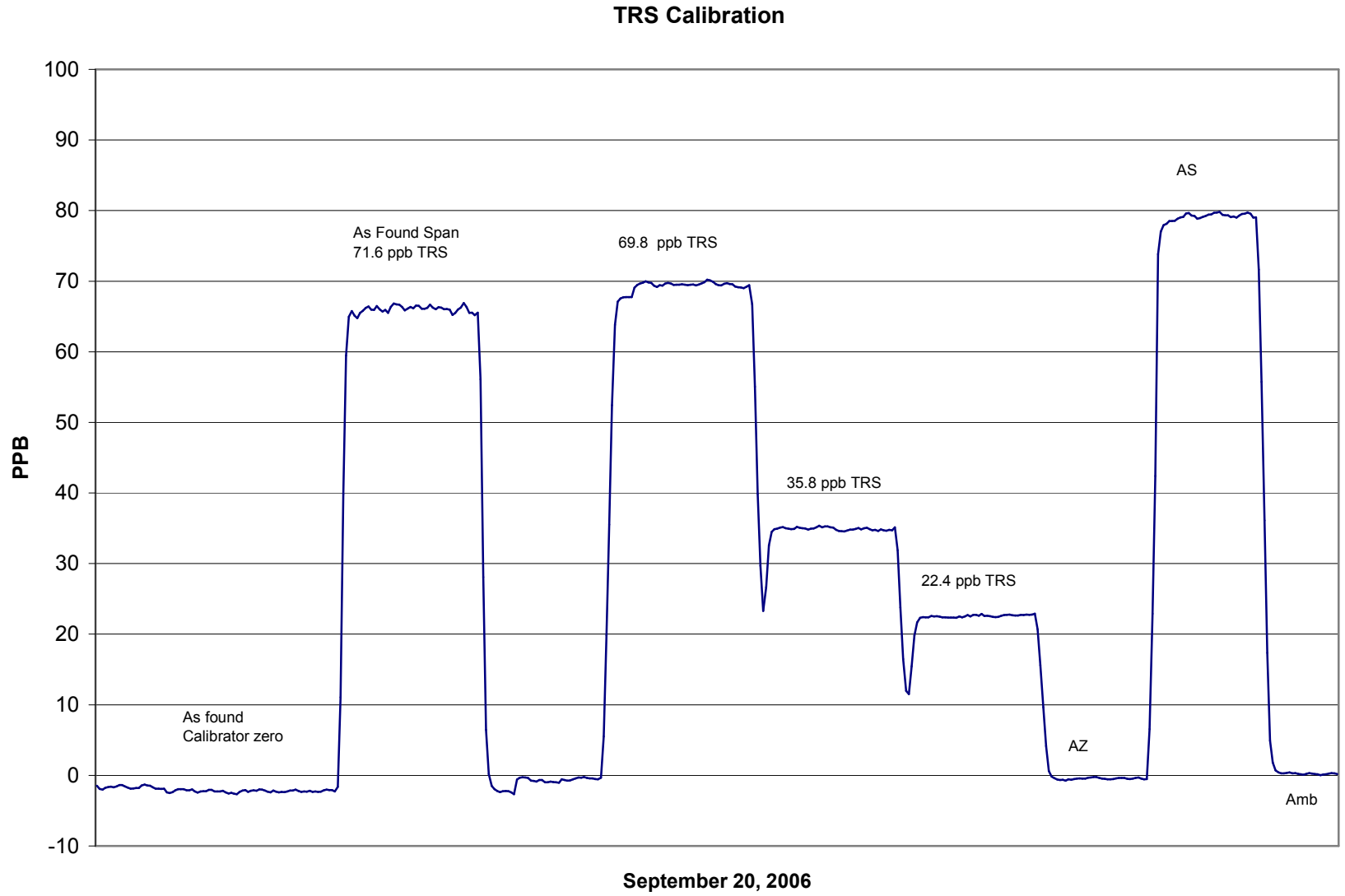
Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 28, 2006
Station Number	5	Station Location	Portable-Falher
Start Time (MST)	12:00	End Time (MST)	15:20
Analyzer make/model	TEI Model 43C APS1AB	Analyzer serial #	609716238

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.5	N/A		
69.8	69.5	1.0033	Correlation Coefficient	0.999674
35.8	34.8	1.0276		
22.4	22.7	0.9867	Slope	0.999535
			Intercept	0.357266




TRS Calibration
100
90
80
70
60
50
40
30
20
10
0
-10
PPB
As found
Calibrator zero
As Found Span
71.6 ppb TRS
69.8 ppb TRS
35.8 ppb TRS
22.4 ppb TRS
AZ
AS
Amb
September 20, 2006

Calibration Report

Parameter **O3**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 30, 2006
Station Number	5	Station Location	Portable-Falher
Reason:	Routine ☐ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:17	End Time (MST)	13:42
Barometric Pressure	0.924 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2488
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	7
	Before		After
Calculated slope	1.007314	Calculated slope	0.995960
Calculated intercept	0.483368	Calculated intercept	0.149304
Analyzer make	TEI 49C a3C1AB	Analyzer serial #	609716240

	before		after	
Concentration range	500	ppb	0 - 500	ppb
offset	-0.3		-0.3	
slope	1.023		1.023	
Cell A	85600	mV	85600	mV
Cell B	84000	mV	84000	mV
Pressure	704	inches Hg	704	inches Hg
Cell A Flow	666	mL/min	666	mL/min
Cell B Flow	665	mL/min	665	mL/min

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.0	0.2	N/A
4996	0.00	341.5	343.0	0.9958
4996	0.00	195.8	196.2	0.9978
4996	0.00	93.5	93.4	1.0014
4996	0.00	0.0	0.4	As found zero
4996	0.00	341.5	342.1	As found span
			Average Correction Factor	0.9983

Calculated value of As Found Response: 344.6 ppm Percent Change of As Found: 0.9%

	before calibration		after calibration	
Auto zero		ppb	-0.6	ppb
Auto span		ppb	299.3	ppb

Notes: No Adjustments needed.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

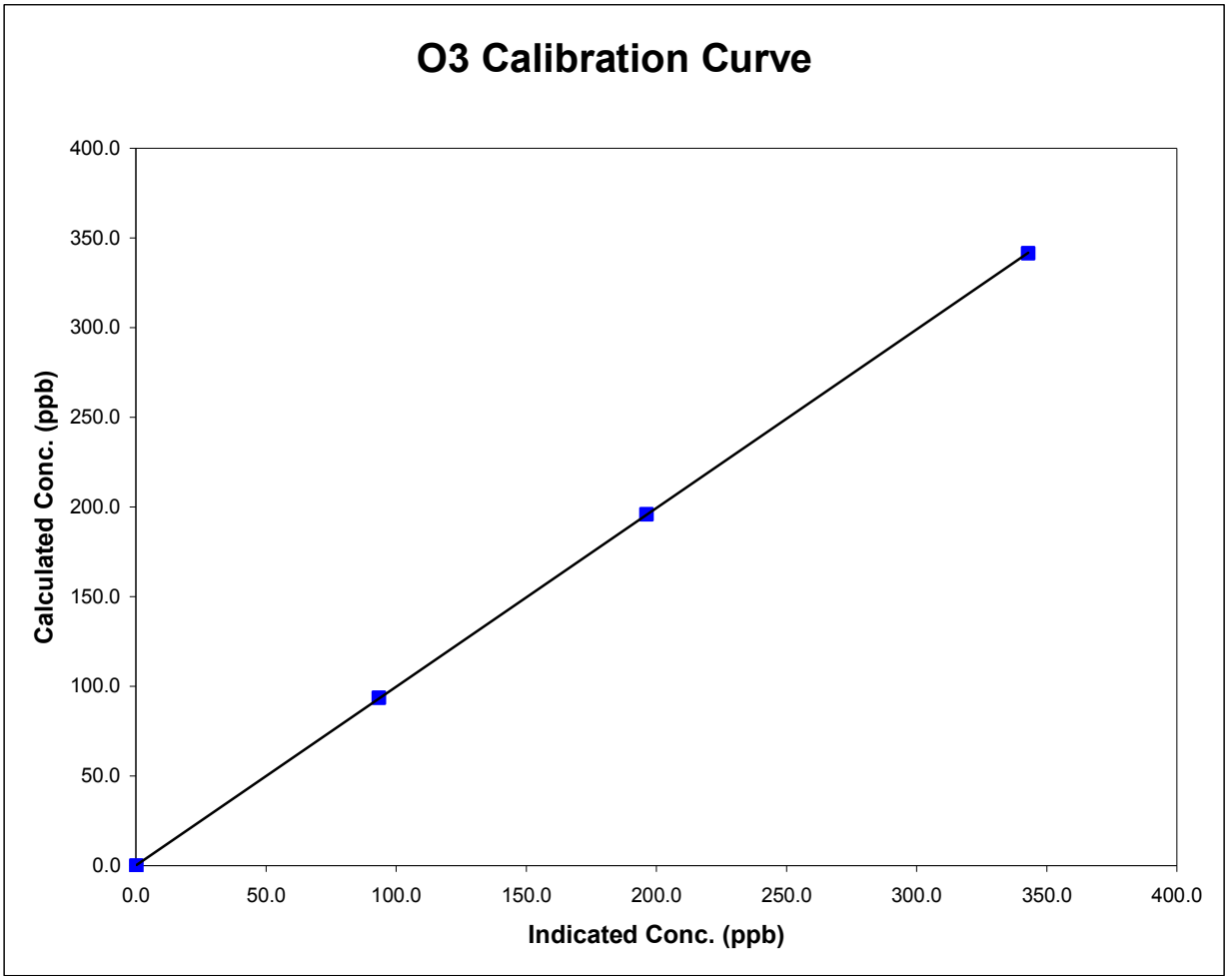
FOCUS AIR QUALITY MONITORING

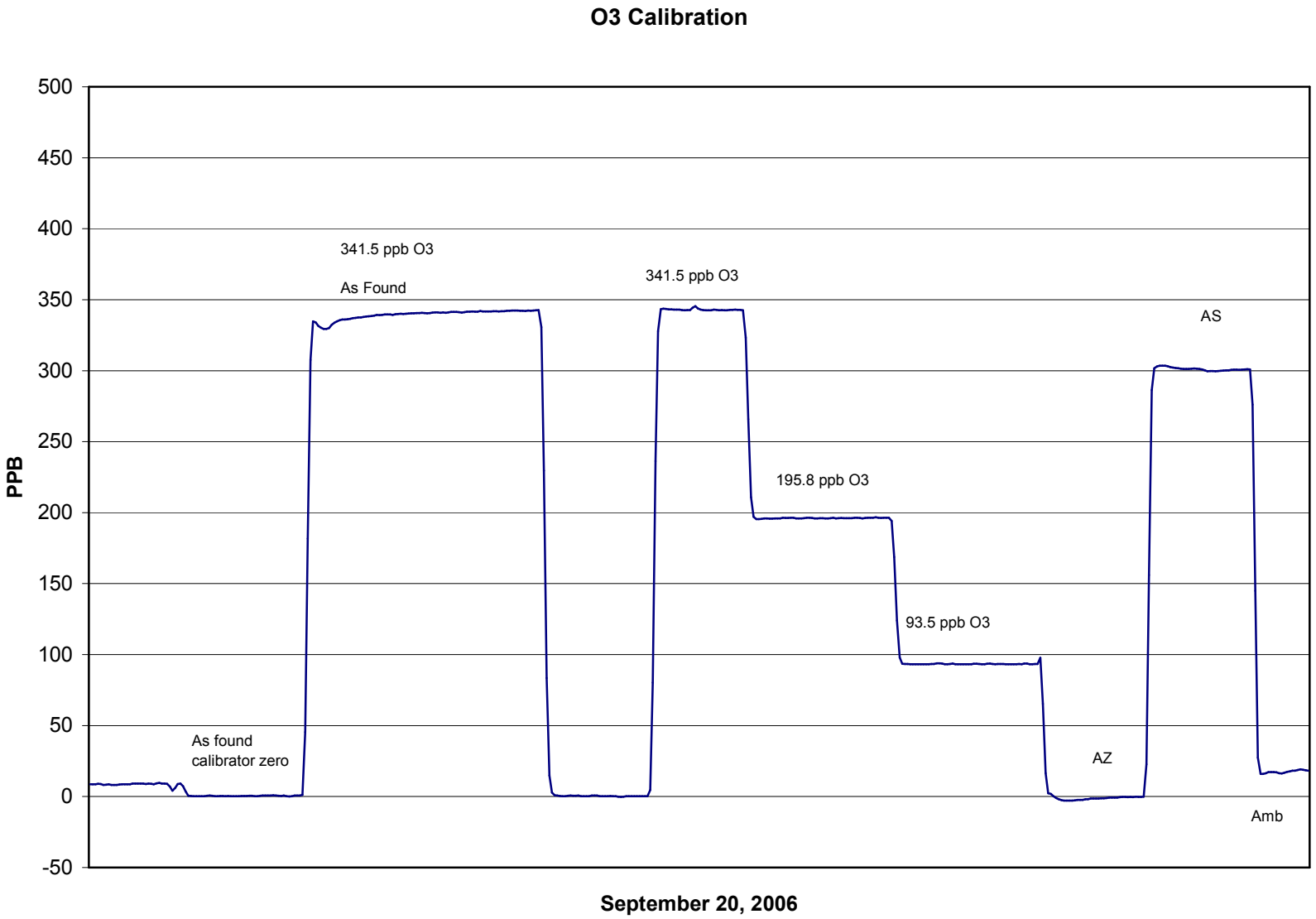
Station Information

Calibration Date	September 20, 2006	Previous Calibration	August 30, 2006
Station Number	5	Station Location	Portable-Falher
Start Time (MST)	10:17	End Time (MST)	13:42
Analyzer make/model	TEI 49C a3C1AB	Analyzer serial #	609716240

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.2	NA		
341.5	343.0	0.9958	Correlation Coefficient	0.999995
195.8	196.2	0.9978		
93.5	93.4	1.0014	Slope	0.995960
			Intercept	0.149304




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
341.5 ppb O3
As Found
341.5 ppb O3
195.8 ppb O3
93.5 ppb O3
AS
As found
calibrator zero
AZ
Amb
September 20, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	September 27, 2006	Previous Calibration	n/a
Station Number	5	Station Location	Valleyview

Reason: [Routine] [Install] [Removal] [Other:]

Start Time (MST)	11:59	End Time (MST)	16:45
Barometric Pressure	27.6 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.936842	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope		Calculated slope	0.972774
Calculated intercept		Calculated intercept	2.944095

Analyzer make: Monitor Labs — Analyzer serial #: 332

	before		after	
Concentration range		ppb	1000	ppb
Sample Flow		ccm	325	ccm
Span Pot			96	
Zero Pot			340	
T1		%	90	%
T2		%	39	%
T3		%	65	%

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2403.0	0.0	-0.6	N/A
2565	2403.0	309.1	316.1	0.9779
5000	4684.2	158.6	158.5	1.0002
9000	8431.6	88.1	85.1	1.0349
zero	2342.1	0.0	1.4	As Found Zero
2500	2342.1	317.1	316.0	As Found Span
			Average Correction Factor	1.0043

Calculated value of As Found Response: NA — Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero		ppm	-1.2	ppm
Auto span		ppm	2.8	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

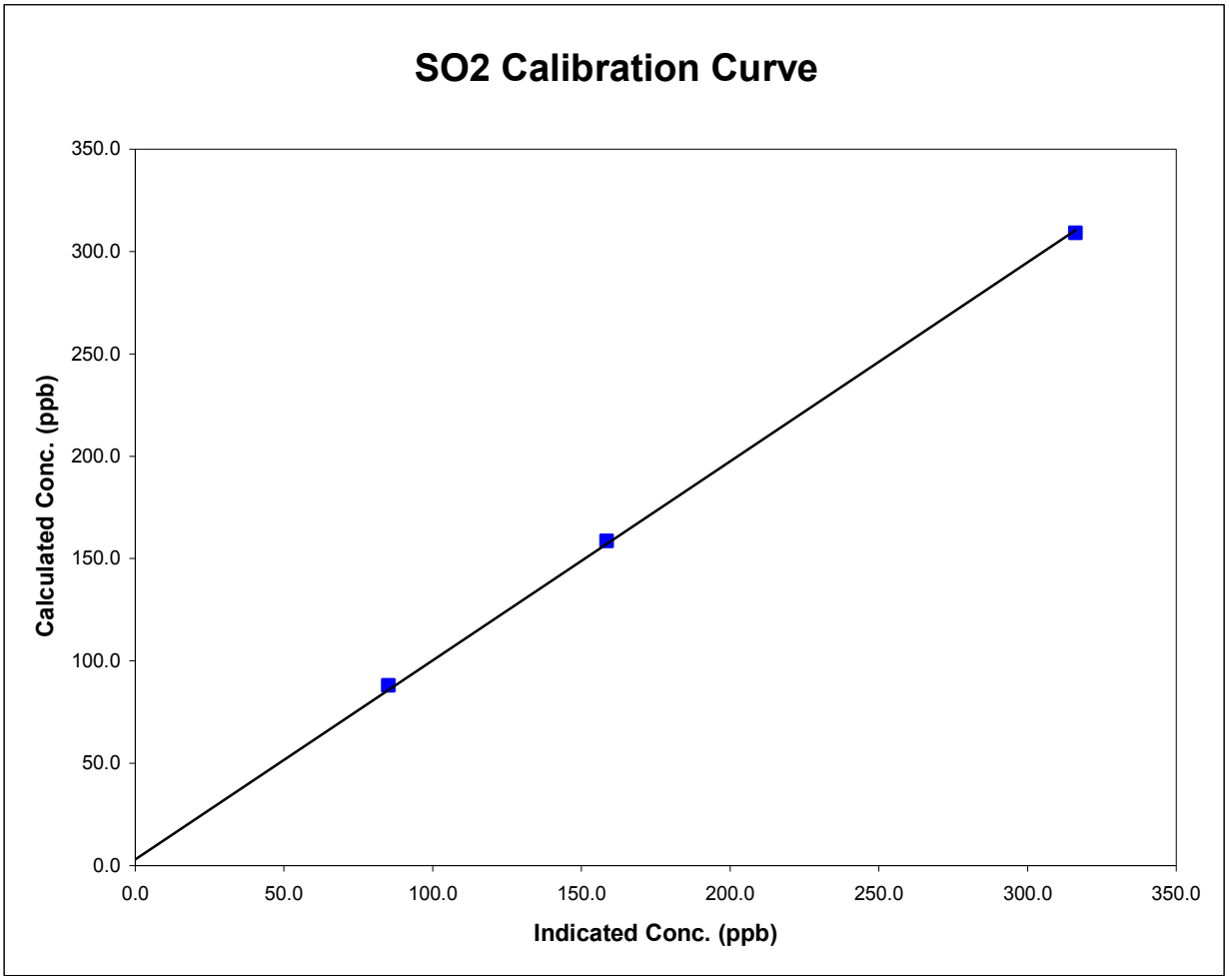
Air Monitoring Network **PASZA**

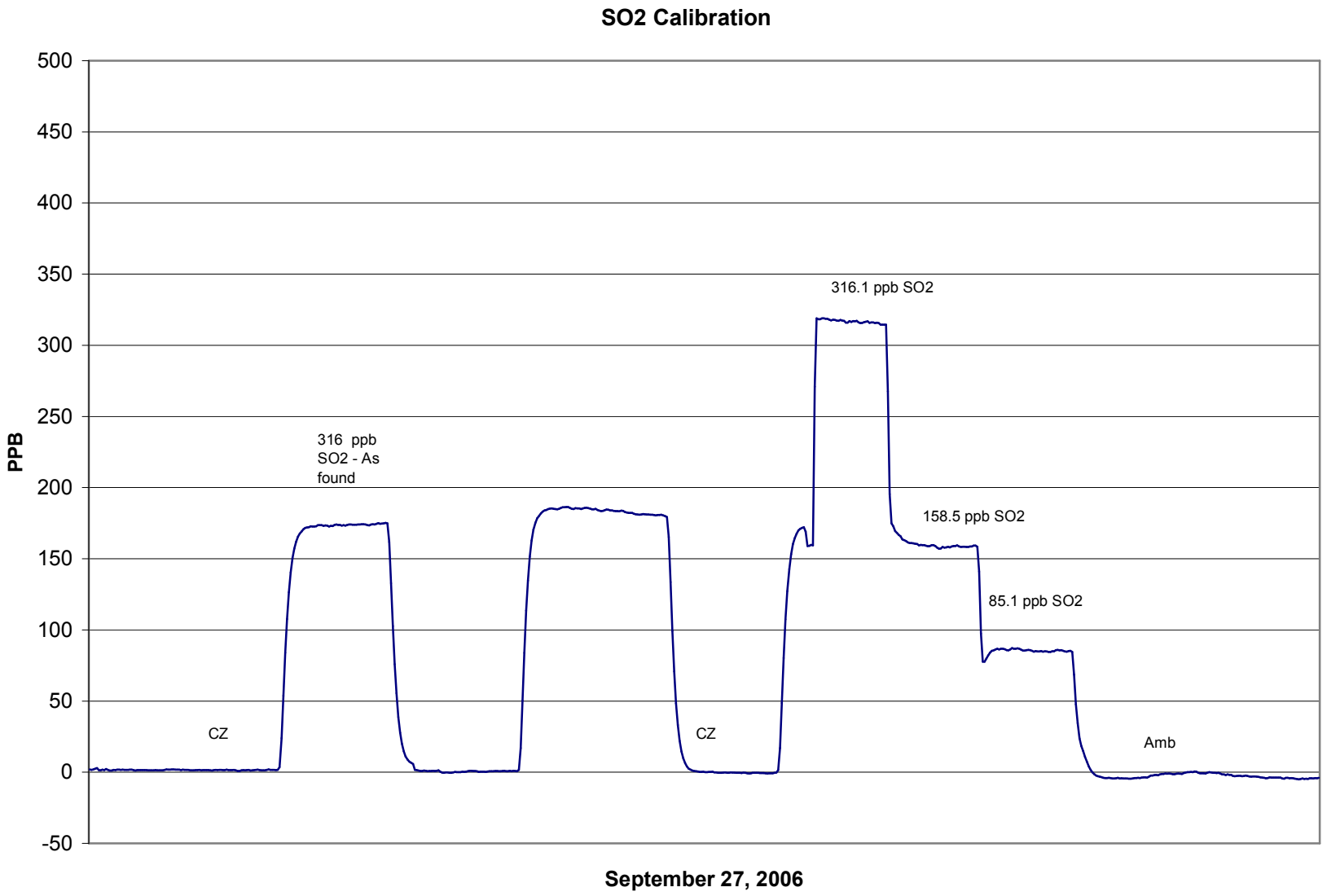
Station Information

Calibration Date	September 27, 2006	Previous Calibration	n/a
Station Number	5	Station Location	Valleyview
Start Time (MST)	11:59	End Time (MST)	16:45
Analyzer make/model	Monitor Labs	Analyzer serial #	332

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.6	N/A		
309.1	316.1	0.9779	Correlation Coefficient	0.999706
158.6	158.5	1.0002		
88.1	85.1	1.0349	Slope	0.972774
			Intercept	2.944095




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
316 ppb SO2 - As found
316.1 ppb SO2
158.5 ppb SO2
85.1 ppb SO2
CZ
CZ
Amb
September 27, 2006

Calibration Report

Parameter **H2S**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	September 27, 2006	Previous Calibration	n/a
Station Number	5	Station Location	Valleyview

Reason: Routine | **Install** | Removal | Other:

Start Time (MST)	11:57	End Time (MST)	16:45
Barometric Pressure	27.67 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Expiry Date	8/8/2006
Correction factor	0.940581	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope		Calculated slope	0.993406
Calculated intercept		Calculated intercept	-0.013155

Analyzer make: TECO 43C — Analyzer serial #: 45C-57351-313

	before		after	
Concentration range	100	ppb	100	ppb
Background	27.9	ppb		ppb
coefficient	1.128			
Lamp Voltage	1335	volts	700	volts
Chamber Temp	44.2	Deg C	44.1	Deg C
Pressure	611.3	mm Hg	618.3	mm Hg
Sample Flow	456	ccm	457	ccm
Lamp Intesity	23,500	mv	45,100	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2412.6	0.0	0.3	N/A
2565	2412.6	70.0	70.7	0.9905
5000	4702.9	35.9	35.9	1.0009
9000	8465.2	20.0	19.9	1.0019
zero	2351.5	0.0	0.4	As Found Zero
2500	2351.5	71.9	67.8	As Found Span
			9:23	0.9978

Calculated value of As Found Response: NA ppm Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero		ppm	0.1	ppm
Auto span		ppm	37.0	ppm

Notes: New lamp and socket.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **H2S**

Air Monitoring Network **PASZA**

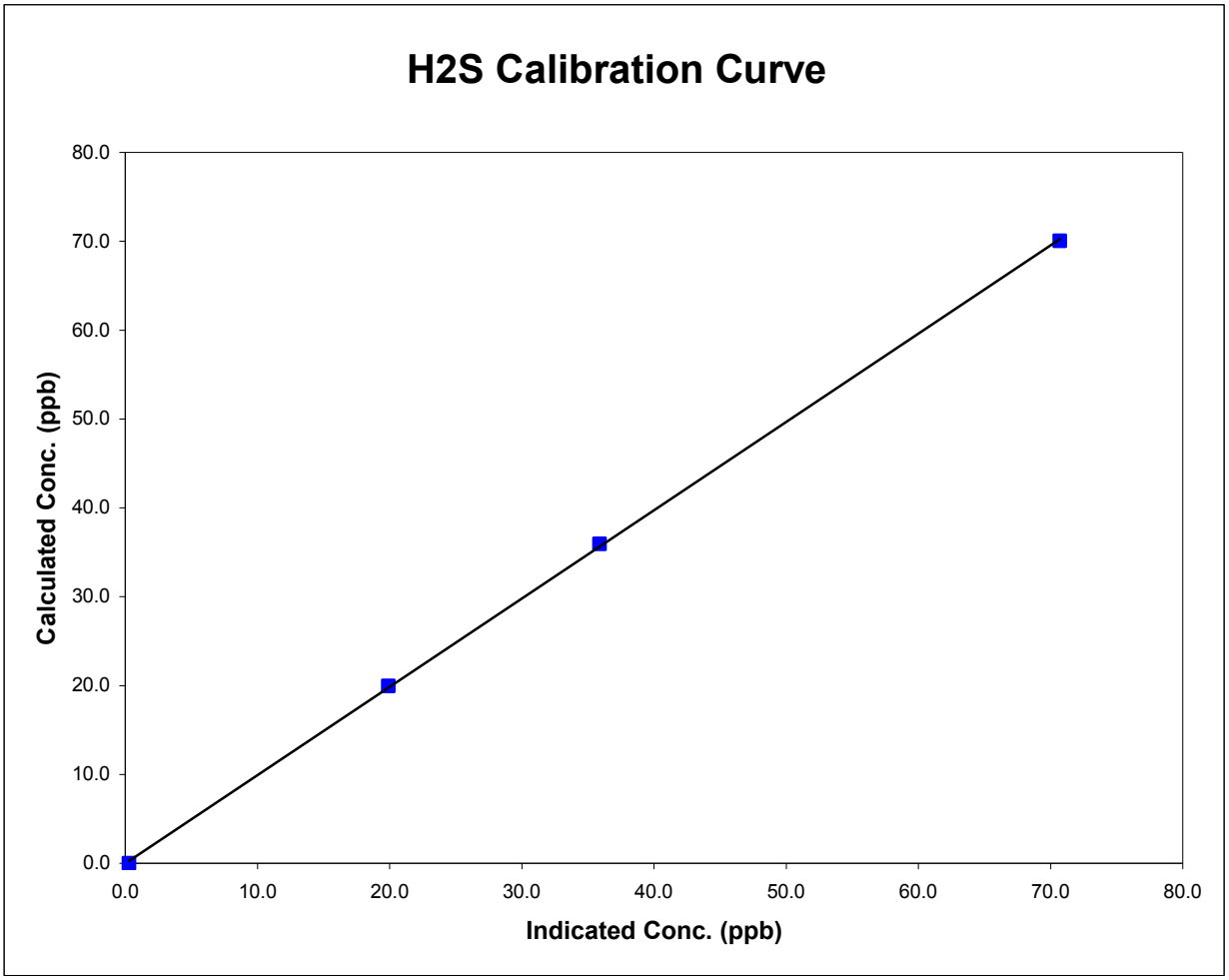
FOCUS AIR QUALITY MONITORING

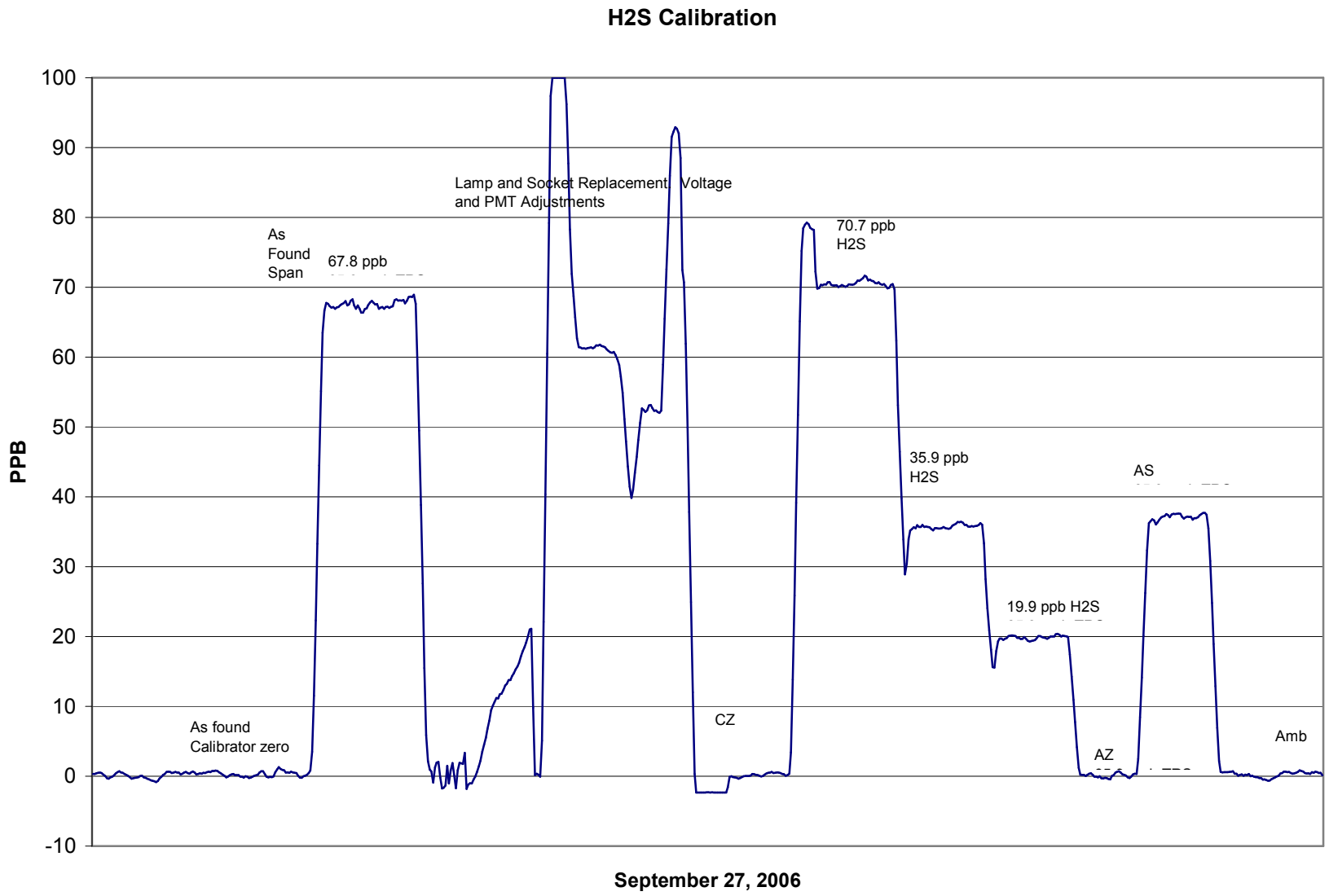
Station Information

Calibration Date	September 27, 2006	Previous Calibration	n/a
Station Number	5	Station Location	Valleyview
Start Time (MST)	11:57	End Time (MST)	16:45
Analyzer make/model	TECO 43C	Analyzer serial #	45C-57351-313

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.3	N/A		
70.0	70.7	0.9905	Correlation Coefficient	0.999915
35.9	35.9	1.0009		
20.0	19.9	1.0019	Slope	0.993406
			Intercept	-0.013155




H2S Calibration
PPB
100
90
80
70
60
50
40
30
20
10
0
-10
As found
Calibrator zero
As
Found
Span
67.8 ppb
Lamp and Socket Replacement, Voltage
and PMT Adjustments
CZ
70.7 ppb
H2S
35.9 ppb
H2S
19.9 ppb H2S
AZ
AS
Amb
September 27, 2006