Air Quality Monitoring Network for February 2006

Prepared by

FOCUS
AMBIENT AIR MONITORING

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

Re: Peace Airshed Zone Association (PASZA) – February Ambient Air Report

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

Continuous Monitoring: **Four (4) Stations including Henry Pirker (Grande Prairie), Evergreen Park, Smoky Heights and Beaverlodge**

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 guidelines.

Of noted occurrence was a power failure at the Beaverlodge Station which accounted for twenty-eight (28) hours of downtime at the station. The NO_X analyzer did not recover immediately and was down for an additional eighteen (18) hours which accounts for the 93% uptime. All other analyzers / sensors in the network were above 95% uptime.

Passive Monitoring: **43 Stations throughout the PASZA zone:**

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

- Monthly average concentrations for SO_2 passives ranged from 0.2 ppb to 0.8 ppb.
- Monthly average concentrations for NO_2 passives ranged from 0.9 ppb to 17.0 ppb.
- Monthly average concentrations for O_3 passives ranged from 24.1 ppb to 46.1 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

Kevin Warren
PASZA Technical Program Manager

Kevin McCullum, Ph.D., P.Eng.
AQM Environmental Engineer

PASZA Monthly Continuous Data Summary

Feb-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 (%)
SO_2 (**ppb**)	172	57	Henry Pirker	0.9	0	0	4.2	Feb-10 12:00	5.8	SSW	2.4	Feb-27	100.0%
NO (**ppb**)			Henry Pirker	20.5	-	-	266.1	Feb-03 08:00	4.7	S	62.3	Feb-03	99.6%
NO_2 (**ppb**)	212	106	Henry Pirker	19.4	0	0	55.3	Feb-03 08:00	4.7	S	35.6	Feb-03	99.6%
NO_X (**ppb**)			Henry Pirker	40.0	-	-	321.8	Feb-03 08:00	4.7	S	97.7	Feb-03	99.6%
O_3 (**ppb**)	82		Henry Pirker	19.5	0	-	43.7	Feb-12 04:00	24.4	W	35.4	Feb-13	99.6%
O_3 (**ppb**) - **8-hr**	65		Henry Pirker		0						39.9	Feb-12	
CO (**ppm**)	13		Henry Pirker	0.35	0	-	2.2	Feb-03 08:00	4.7	S	0.7	Feb-03	100.0%
CO (**ppm**) - **8-hr**	5		Henry Pirker		0						1.3	Feb-03	
THC (**ppm**)			Henry Pirker	2.32	-	-	5.6	Feb-02 05:00	2.7	E	2.8	Feb-02	100.0%
TRS (**ppb**)			Henry Pirker	0.2	-	-	1.7	Feb-11 22:00	4.6	NW	0.5	Feb-03	100.0%
$PM_{2.5}$ (μ**g/m^3**)		30 [a]	Henry Pirker	4.8		0	30.3	Feb-06 17:00	3.0	NNW	12.3	Feb-06	99.4%
RH (**%**)			Henry Pirker	66.9	-	-	-	-	-	-	-	-	100.0%
SR (**W/m^2**)			Henry Pirker	69.0	-	-	-	-	-	-	-	-	100.0%
Temp (**^{o}C**)			Henry Pirker	-7.7	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Henry Pirker	8.7	-	-	33.7	Feb-08 11:00	33.7	WSW	24.0	13-Feb	100.0%
WSPD s (km/hr)			Henry Pirker	8.9	-	-	33.7	Feb-08 11:00	33.7	WSW	24.2	13-Feb	100.0%
WDIR (Deg)			Henry Pirker	WNW	-	-	-	-	-	-	-	-	100.0%
SO_2 (**ppb**)	172	57	Evergreen Park	0.7	0	0	5.8	Feb-10 10:00	4.0	NNW	1.8	Feb-10	99.7%
TRS (**ppb**)			Evergreen Park	0.8	-	-	2.0	Feb-02 17:00	2.6	WNW	1.1	Feb-01	99.7%
$PM_{2.5}$ (μ**g/m^3**)		30 [a]	Evergreen Park	4.8		0	38.2	Feb-02 17:00	2.6	WNW	13.6	Feb-01	99.0%
Temp (**^{o}C**)			Evergreen Park	-7.7	-	-	-	-	-	-	-	-	99.7%
WSPD v (km/hr)			Evergreen Park	7.6	-	-	34.8	Feb-08 13:00	34.8	NNW	23.5	13-Feb	99.7%
WSPD s (km/hr)			Evergreen Park	7.8	-	-	35.0	Feb-08 13:00	35.0	NNW	23.6	13-Feb	99.7%
WDIR (Deg)			Evergreen Park	NNW	-	-	-	-	-	-	-	-	99.7%
SO_2 (**ppb**)	172	57	Smoky Heights	0.9	0	0	10.0	Feb-01 17:00	8.5	WSW	2.6	Feb-11	99.9%
TRS (**ppb**)			Smoky Heights	0.6	-	-	1.2	Feb-19 05:00	16.8	WSW	0.8	Feb-17	99.9%
$PM_{2.5}$ (μ**g/m^3**)		30 [a]	Smoky Heights	3.2		0	111.2	Feb-25 23:00	11.5	NNE	10.9	Feb-28	97.6%
Temp (**^{o}C**)			Smoky Heights	-8.1	-	-	-	-	-	-	-	-	99.9%
WSPD v (km/hr)			Smoky Heights	12.4	-	-	39.0	Feb-08 12:00	39.0	W	27.0	13-Feb	99.9%
WSPD s (km/hr)			Smoky Heights	12.7	-	-	39.1	Feb-08 12:00	39.1	W	27.2	13-Feb	99.9%
WDIR (Deg)			Smoky Heights	WNW	-	-	-	-	-	-	-	-	99.9%
SO_2 (**ppb**)	172	57	Beaverlodge	0.9	0	0	19.7	Feb-06 16:00	4.3	ESE	3.5	Feb-06	95.5%
NO (**ppb**)			Beaverlodge	2.4	-	-	41.9	Feb-15 03:00	3.8	NNW	9.3	Feb-01	93.2%
NO_2 (**ppb**)	212	106	Beaverlodge	4.4	0	0	25.7	Feb-16 00:00	2.6	SSE	10.2	Feb-28	92.7%
NO_X (**ppb**)			Beaverlodge	6.9	-	-	60.4	Feb-28 08:00	calm	E	16.7	Feb-28	93.2%
O_3 (**ppb**)	82		Beaverlodge	30.7	0	-	45.3	Feb-12 05:00	13.0	W	41.7	Feb-08	95.8%
O_3 (**ppb**) - **8-hr**	65		Beaverlodge		0						43.3	Feb-08	
$PM_{2.5}$ (μ**g/m^3**)		30 [a]	Beaverlodge	3.0		0	16.6	Feb-28 09:00	calm	S	8.7	Feb-28	95.2%
RH (**%**)			Beaverlodge	65.9	-	-	-	-	-	-	-	-	95.8%
Temp (**^{o}C**)			Beaverlodge	-6.6	-	-	-	-	-	-	-	-	95.8%
WSPD v (km/hr)			Beaverlodge	7.7	-	-	38.6	Feb-08 14:00	38.6	W	25.4	8-Feb	95.8%
WSPD s (km/hr)			Beaverlodge	8.0	-	-	38.7	Feb-08 14:00	38.7	W	26.0	8-Feb	95.8%
WDIR (Deg)			Beaverlodge	NW	-	-	-	-	-	-	-	-	95.8%

Note: [a] the draft 1-hr Alberta Ambient Air Quality Objectives

* Wind Direction is the predominate direction for the Month

Continuous Network Equipment Summary

PASZA – Henry Pirker Station

General Station Issues
No general station issues noted during the month of February.

Parameter	Make	Model	Notes
SO_2	TECO	43	No operational problems observed.
$NOx/NO/NO_2$	TECO	42C	No operational problems observed. Three (3) hours for maintenance to verify GPT values.
O_3	API	400	No operational problems observed.
CO	TECO	48C	No operational problems observed. Internal daily spans were low due to a slightly low setting of the span cylinder pressure.
THC	TEI	51-CLT	No operational problems observed. Internal daily spans were low due to slightly low span cylinder pressure settings.
TRS	TEI	42C	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	Four (4) hours were removed due to baseline drift. No other 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	No operational problems observed. Eleven (11) hours of calm observed.
WD	Met One	020C	No operational problems observed.

PASZA – Evergreen Park Station

General Station Issues
No general station issues noted during the month of February. Two hours of missing data noted on Feb 1st at 05:00 MST, and Feb 23rd 03:00 MST due to communication issues.

Parameter	Make	Model	Notes
SO_2	API	100	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	Five (5) hours were removed due to baseline drift. No other operational issues observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	No operational problems observed. Thirty-two (32) hours of calm observed.
WD	Met One	020C	No operational problems observed.

PASZA – Smoky Heights School Station

General Station Issues

No general station issues noted during the month of February. One hour of missing data noted on Feb 1st at 05:00 MST due to communication issues.

Parameter	Make	Model	Notes
SO_2	API	100A	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	Two (2) hours were removed due to baseline drift. Following the calibration on Jan 27th all data was flagged due to stabilization issues (from Jan 27th at 15:00 MST to Feb 1st at 14:00).
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	No operational problems observed. Two (2) hours of calm observed
WD	Met One	020C	No operational problems observed.

PASZA – Beaverlodge Station

General Station Issues

A power failure on Feb 12th resulted in twenty-eight (28) hours of downtime for all analyzers / sensors. No other general station issues were noted during the month of February.

Parameter	Make	Model	Notes
SO_2	TECO	43CTL	No operational problems observed.
$NOx/NO/NO_2$	TECO	42C	Following the power failure the NO_X analyzer which failed to recover and had an additional eighteen (18) hours of downtime.
O_3	API	400	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	Three (3) hours were removed due to baseline drift. No other operational issues observed.
AT	n/a	n/a	No operational problems observed.
RH	n/a	n/a	No operational problems observed.
WS	Blue Sky	857	No operational problems observed. Nineteen (19) hours of calm observed
WD	Blue Sky	857	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: February 1, 2006 to March 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:	632
Number of 1-hr Fair Readings:	0
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-Feb-06	6	7	8	6	6	N	6	8	13	17	8	18	21	12	15	13	13	16	21	11	6	14	12	12
2-Feb-06	12	9	7	8	N	11	11	11	9	8	7	7	7	13	12	11	14	12	11	10	8	12	14	12
3-Feb-06	9	9	10	N	11	13	12	13	18	13	12	10	13	17	18	18	13	8	10	10	11	10	7	13
4-Feb-06	N	N	N	16	18	19	20	19	17	15	14	13	15	16	17	18	16	16	16	16	13	12	12	12
5-Feb-06	13	N	13	13	13	13	14	14	13	13	14	15	16	17	17	17	16	14	13	12	6	9	7	6
6-Feb-06	N	8	7	7	7	6	6	6	6	7	14	13	11	8	N	19	21	25	21	11	9	8	8	9
7-Feb-06	10	10	10	9	10	N	7	9	6	6	7	9	9	6	6	6	6	8	9	7	8	10	12	8
8-Feb-06	13	7	9	19	N	N	19	18	11	14	N	N	N	N	20	N	N	N	17	18	18	16	17	17
9-Feb-06	17	18	17	17	16	N	11	7	8	10	7	13	14	15	17	15	15	10	7	8	7	9	8	9
10-Feb-06	8	7	7	7	N	5	5	6	6	10	5	8	9	10	11	9	6	7	10	13	12	7	8	11
11-Feb-06	10	7	14	N	13	7	9	9	17	14	8	9	12	12	14	12	9	11	11	11	7	6	7	8
12-Feb-06	9	8	N	16	22	19	18	16	16	12	18	19	20	19	19	20	21	21	19	20	20	19	19	19
13-Feb-06	19	N	20	N	20	20	19	18	18	18	18	19	19	19	18	18	17	15	14	18	18	16	14	13
14-Feb-06	N	11	15	18	17	17	17	16	17	18	18	19	19	19	19	18	18	15	8	7	8	9	9	N
15-Feb-06	16	17	17	18	16	15	15	16	16	17	18	18	17	17	17	15	16	12	9	13	16	15	N	8
16-Feb-06	8	8	6	10	9	9	7	8	8	6	9	10	13	15	15	15	15	8	10	10	9	N	8	7
17-Feb-06	7	6	8	6	8	6	6	7	9	12	10	10	12	13	13	8	9	10	10	10	N	16	14	12
18-Feb-06	9	10	9	9	7	9	8	10	9	7	8	18	19	17	18	16	16	14	9	N	9	8	9	10
19-Feb-06	13	8	7	6	5	6	6	5	5	6	9	16	19	19	19	18	19	16	N	17	15	16	15	16
20-Feb-06	16	15	17	13	18	18	19	20	18	17	17	18	20	21	22	21	19	N	19	7	9	11	14	12
21-Feb-06	16	17	12	7	9	12	8	11	10	7	14	16	14	15	16	19	N	12	13	15	16	17	17	18
22-Feb-06	18	17	17	16	15	14	16	14	13	17	18	18	20	21	1	4	21	9	11	11	10	10	10	11
23-Feb-06	7	11	7	8	7	N	8	10	13	9	16	16	16	17	18	17	17	16	15	14	8	9	7	12
24-Feb-06	12	14	13	13	12	N	12	11	7	6	13	2	2	1	1	2	14	10	7	8	7	7	6	6
25-Feb-06	6	6	6	7	7	N	8	7	7	5	5	8	13	13	14	15	14	11	7	7	7	9	11	13
26-Feb-06	14	13	14	14	N	12	6	6	6	8	12	13	13	14	15	13	13	9	7	8	9	10	10	12
27-Feb-06	11	12	12	N	12	12	13	12	11	11	12	14	14	14	13	12	14	12	11	7	9	11	13	16
28-Feb-06	16	7	N	5	6	7	9	8	12	20	17	14	13	15	15	15	15	13	13	14	14	15	15	15

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

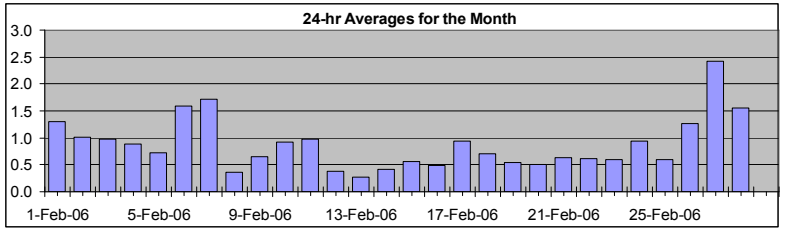
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2006 to March 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	10-Feb	12:00 13:00
Maximum 24-hr Average:	2.4	ppb	27-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.4	2.3	1.1	0.7	0.4	0.2	0.1	0.9 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-Feb-06	0	1	1	0	0	A	1	1	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	0	1.3	2.8
2-Feb-06	0	0	0	0	A	1	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	0	1	0	1.0	2.2
3-Feb-06	0	1	0	A	1	1	1	2	3	2	2	2	1	1	0	0	0	0	1	1	1	1	1	0	1.0	2.5
4-Feb-06	0	0	A	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	1	1	0.9	1.8
5-Feb-06	3	A	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	2.7
6-Feb-06	A	0	0	0	0	0	1	1	0	1	2	2	3	4	3	3	3	3	2	1	2	2	2	2	1.6	4.0
7-Feb-06	2	2	2	2	1	A	1	2	1	2	2	3	3	2	2	2	1	2	2	1	1	1	2	1	1.7	3.1
8-Feb-06	1	1	1	1	A	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0.4	1.1
9-Feb-06	0	0	0	0	0	A	1	1	1	2	1	0	0	1	0	1	1	2	1	1	1	1	1	1	0.7	2.3
10-Feb-06	1	0	0	0	A	0	1	1	1	2	1	2	4	2	1	1	1	1	1	1	1	1	1	1	0.9	4.2
11-Feb-06	1	0	0	A	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1.0	2.5
12-Feb-06	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9
13-Feb-06	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.3	0.5
14-Feb-06	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	A	0.4	0.7
15-Feb-06	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	A	0	0.6	1.4
16-Feb-06	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	1	1	1	1	A	0	0	0.5	1.0
17-Feb-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	A	2	2	2	0.9	2.0
18-Feb-06	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1	A	1	0	1	1	0.7	1.2
19-Feb-06	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	A	0	0	0	0	0	0.5	1.2
20-Feb-06	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	A	1	1	1	0	0	0	0.5	0.9
21-Feb-06	0	0	0	1	0	1	1	2	1	1	0	0	0	0	1	1	A	1	1	1	0	0	0	0	0.6	1.6
22-Feb-06	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
23-Feb-06	0	0	0	1	0	A	1	1	2	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0.6	1.8
24-Feb-06	0	0	0	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5
25-Feb-06	0	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.6	1.0
26-Feb-06	0	0	1	1	A	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	1.3	1.9
27-Feb-06	2	2	2	A	3	3	3	2	3	4	4	4	3	3	3	3	2	2	2	2	1	1	1	2	2.4	3.7
28-Feb-06	2	1	A	0	0	1	1	1	1	2	2	2	3	2	2	3	2	3	3	2	2	1	1	1	1.5	3.2
Hourly Avg	0.7	0.5	0.6	0.6	0.7	0.6	0.7	0.8	1.0	1.1	1.1	1.2	1.3	1.1	1.1	1.0	1.0	1.1	1.0	0.8	0.7	0.8	0.8	0.7		
Hourly Max	2.7	1.9	2.1	1.6	3.0	3.4	2.6	2.1	2.5	3.5	3.7	3.7	4.2	4.0	3.4	3.1	2.7	2.7	3.2	1.7	1.6	2.0	2.1	1.9		

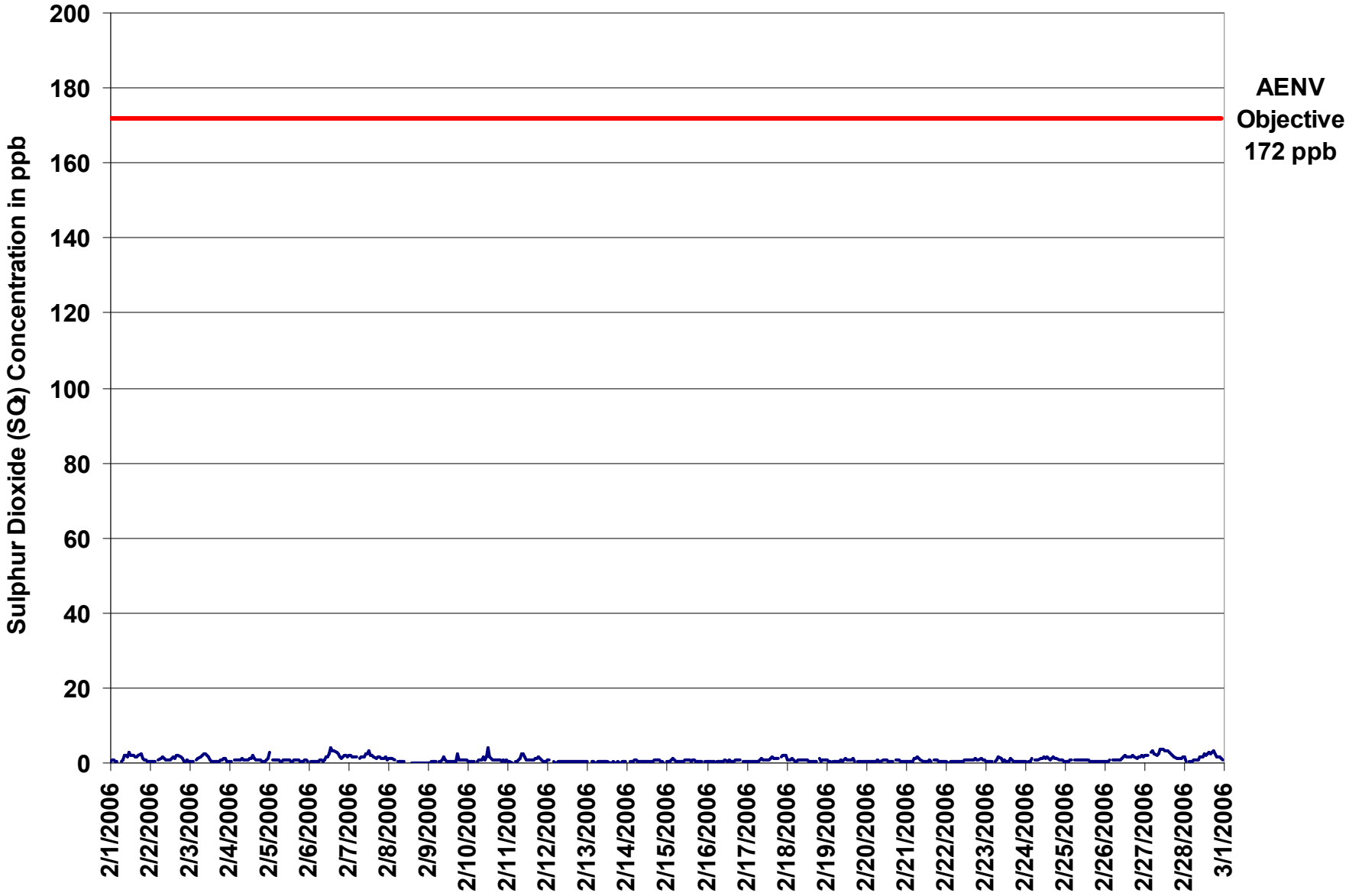


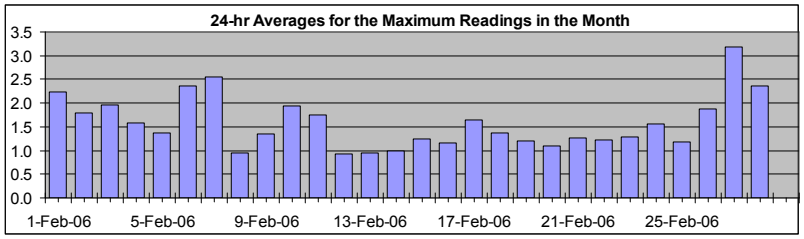
Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	6.0	ppb	3-Feb	9:00 10:00
Maximum 24-hr Value:	3.2	ppb	27-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	4.7	3.5	2.0	1.3	1.0	0.7	0.6	1.6 ppb	1.3 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-Feb-06	1	1	2	1	1	A	1	2	5	3	3	4	3	3	2	2	2	3	3	2	2	1	1	1	2.2	5.1
2-Feb-06	1	1	1	1	A	1	2	2	2	1	1	2	2	2	3	2	4	4	3	2	1	1	1	1	1.8	3.8
3-Feb-06	1	2	1	A	4	2	2	3	4	6	2	2	2	1	1	1	1	1	1	1	2	2	1	1	2.0	6.0
4-Feb-06	1	1	A	2	1	1	2	2	2	1	1	2	2	2	3	3	1	1	1	1	1	1	1	3	1.6	3.2
5-Feb-06	4	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	3.9
6-Feb-06	A	1	1	1	1	1	1	1	1	2	2	3	4	5	4	4	3	3	3	2	2	3	3	2	2.4	5.2
7-Feb-06	3	3	2	2	2	A	2	2	2	3	3	4	5	3	2	3	2	2	3	2	2	2	2	2	2.5	4.7
8-Feb-06	2	2	2	2	A	1	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	1	1	1.0	1.8
9-Feb-06	1	1	1	1	1	A	1	1	2	2	2	1	1	1	1	1	1	4	2	1	1	1	1	1	1.4	4.1
10-Feb-06	1	1	1	1	A	1	1	2	1	3	2	4	6	5	2	2	1	1	1	2	2	1	1	2	1.9	5.6
11-Feb-06	1	1	1	A	1	1	2	2	4	4	3	2	1	2	1	1	2	2	2	2	1	1	1	1	1.7	4.0
12-Feb-06	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.7
13-Feb-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	0.9	2.0
14-Feb-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	1.0	1.4
15-Feb-06	1	1	1	2	3	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	A	1	1.2	2.8
16-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	A	1	1	1.1	1.6
17-Feb-06	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	A	2	3	3	1.7	3.2
18-Feb-06	1	2	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	A	2	1	2	1	1.4	2.0
19-Feb-06	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	3	1	A	1	1	1	1	1	1.2	2.5
20-Feb-06	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	2	1	1	1	1	1	1.1	1.7
21-Feb-06	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	A	2	2	2	1	1	1	1	1.3	2.1
22-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	1.2	2.1
23-Feb-06	1	1	1	1	1	A	1	2	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.3	2.9
24-Feb-06	1	1	1	2	2	A	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1.6	2.4
25-Feb-06	1	1	1	1	1	A	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1.2	1.7
26-Feb-06	1	1	1	1	A	1	2	1	2	2	2	2	3	2	2	2	2	3	2	2	2	2	3	2	1.9	2.6
27-Feb-06	2	2	3	A	4	5	3	3	4	4	4	5	4	4	4	3	3	3	2	2	2	3	2	3	3.2	4.6
28-Feb-06	2	1	A	1	1	1	2	1	1	3	2	3	5	2	3	3	4	4	4	3	2	2	2	2	2.4	4.9
Hourly Avg	1.4	1.2	1.2	1.3	1.4	1.3	1.4	1.5	1.8	1.9	1.7	1.9	2.1	1.9	1.7	1.7	1.7	1.9	1.8	1.5	1.4	1.5	1.4	1.4		
Hourly Max	3.9	2.5	2.6	2.4	4.2	4.6	3.2	2.9	5.1	6.0	4.3	4.6	5.6	5.4	4.3	3.8	3.8	4.1	4.1	2.6	2.3	2.7	2.8	3.2		

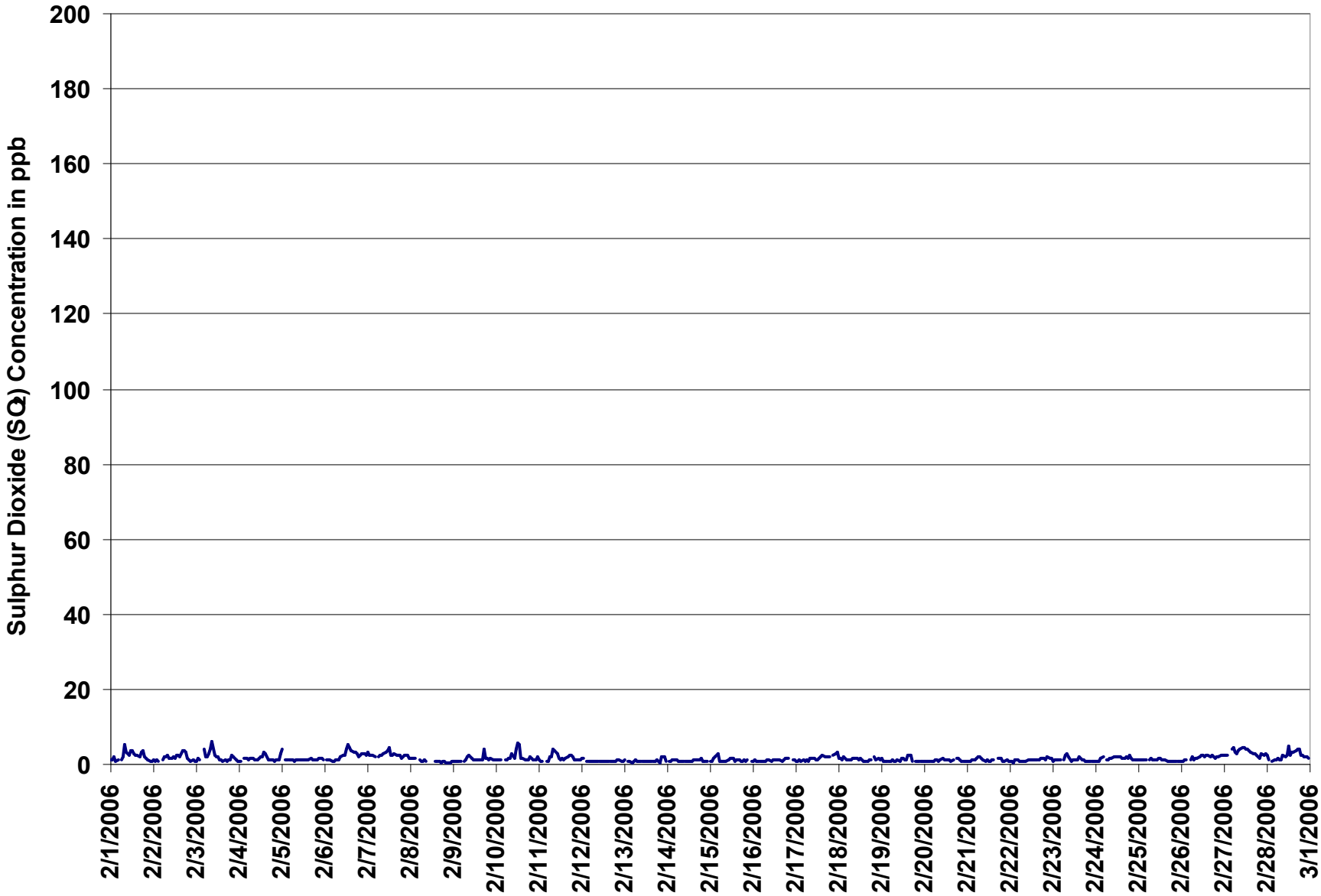
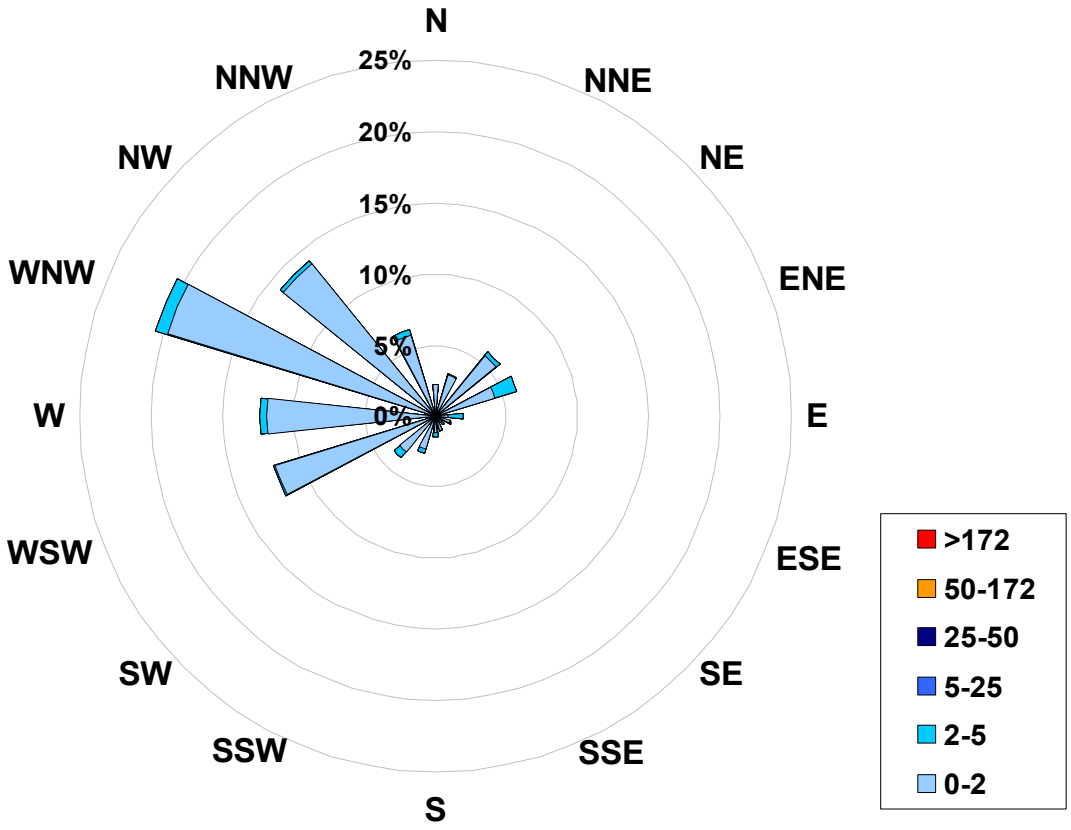


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	595
2	to	5	45
5	to	25	0
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			640

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

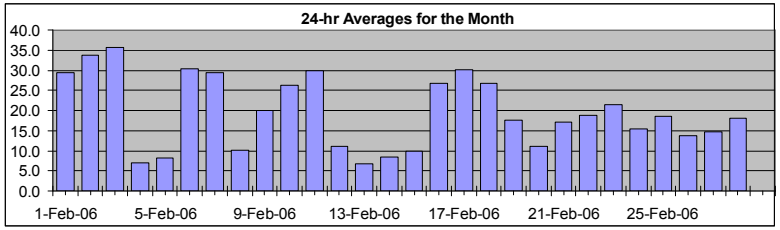
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: February 1, 2006 to March 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:	55.3	ppb	3-Feb	8:00 9:00
Maximum 24-hr Average:	35.6	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	49.0	42.5	29.9	16.6	7.8	3.4	2.3	19.4 ppb	16.6 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-Feb-06	25	27	32	25	24	A	26	30	33	39	32	44	39	23	31	29	31	37	42	34	26	12	16	16	29.3	44.0
2-Feb-06	18	25	29	34	A	46	47	48	39	33	30	27	22	34	37	36	49	50	46	42	33	19	14	18	33.7	49.8
3-Feb-06	24	39	40	A	45	48	47	50	55	55	49	40	19	12	11	11	22	35	41	44	44	42	27	16	35.6	55.3
4-Feb-06	8	7	A	8	5	5	5	6	7	10	11	13	10	8	6	5	9	8	7	5	5	4	4	4	6.9	12.5
5-Feb-06	3	A	3	3	2	2	2	3	4	3	2	2	2	2	2	2	4	8	11	12	23	36	29	25	8.2	35.9
6-Feb-06	A	32	30	28	30	25	26	26	25	25	C	C	C	C	A	37	40	37	34	32	32	30	29	30	30.3	39.6
7-Feb-06	30	32	33	32	32	A	31	31	27	24	29	31	24	23	25	26	27	32	31	31	32	32	32	29	29.3	32.5
8-Feb-06	30	31	19	4	A	8	7	9	23	16	6	5	4	5	5	5	8	6	9	7	6	9	6	7	10.2	31.4
9-Feb-06	6	5	6	7	8	A	20	31	32	42	30	13	10	9	7	10	11	20	30	34	23	37	34	34	19.9	42.4
10-Feb-06	32	29	28	27	A	23	22	25	27	30	19	26	18	15	15	22	21	27	32	35	30	28	34	39	26.2	39.4
11-Feb-06	42	27	15	A	12	22	38	38	47	47	33	19	16	21	16	21	26	45	42	39	31	27	31	32	29.9	47.1
12-Feb-06	36	34	A	13	4	8	9	13	15	21	9	7	7	9	10	7	7	6	9	6	4	7	6	5	11.0	35.7
13-Feb-06	4	A	4	4	4	4	6	7	8	6	7	4	4	5	6	6	8	12	14	5	7	9	11	13	6.8	13.5
14-Feb-06	A	14	5	3	4	5	3	4	3	2	3	3	3	3	3	3	5	10	23	31	21	18	17	A	8.5	31.4
15-Feb-06	5	5	4	3	5	8	7	7	6	3	3	4	5	6	6	12	13	21	28	19	13	15	A	31	9.9	30.5
16-Feb-06	33	32	26	19	22	22	29	32	33	25	18	22	16	16	17	18	18	35	43	41	39	A	32	29	26.8	43.2
17-Feb-06	28	26	18	27	35	27	25	27	32	31	28	18	14	13	16	33	29	41	44	40	A	44	46	49	30.1	49.1
18-Feb-06	37	41	39	39	29	19	35	41	40	31	23	4	4	8	6	10	10	14	40	A	39	33	38	36	26.8	41.1
19-Feb-06	33	30	30	26	19	26	26	23	19	25	16	12	8	7	9	11	9	14	A	10	14	13	12	12	17.5	33.0
20-Feb-06	12	14	10	18	5	6	5	3	6	9	10	8	5	3	3	4	8	A	8	30	40	19	11	17	11.0	39.8
21-Feb-06	9	7	15	30	22	18	33	46	42	28	13	8	14	11	10	7	A	20	16	11	10	9	7	6	17.1	46.2
22-Feb-06	5	6	6	7	10	13	7	10	14	5	4	M	M	M	2	3	5	31	44	45	43	42	43	45	18.7	45.3
23-Feb-06	31	22	27	35	29	A	34	40	49	32	11	10	10	8	7	9	10	12	12	13	27	23	27	15	21.5	48.7
24-Feb-06	14	9	11	9	10	A	13	15	31	25	8	4	4	3	3	3	6	15	31	34	31	30	24	25	15.5	34.3
25-Feb-06	24	24	24	18	17	A	32	31	28	22	19	17	11	10	8	7	9	16	24	24	22	18	15	10	18.6	31.7
26-Feb-06	9	9	8	7	A	11	26	26	24	17	7	7	11	7	7	13	14	20	23	21	17	14	13	8	13.8	26.5
27-Feb-06	8	7	7	A	9	9	8	10	12	12	10	7	8	8	9	13	9	13	13	21	32	37	36	35	14.6	36.8
28-Feb-06	35	29	A	23	27	28	31	26	24	32	26	22	9	7	8	9	9	12	14	11	11	9	8	9	18.2	34.6
Hourly Avg	20.8	21.6	18.7	18.0	17.1	17.4	21.4	23.5	25.1	23.2	16.9	14.5	11.3	10.6	10.4	13.3	15.4	22.1	26.3	25.2	24.3	22.9	22.4	22.1		
Hourly Max	42.0	41.1	40.0	39.3	45.3	48.5	47.0	50.3	55.3	55.2	49.3	44.0	39.5	34.4	36.9	36.6	49.4	49.8	45.8	45.3	44.3	43.6	46.3	49.1		

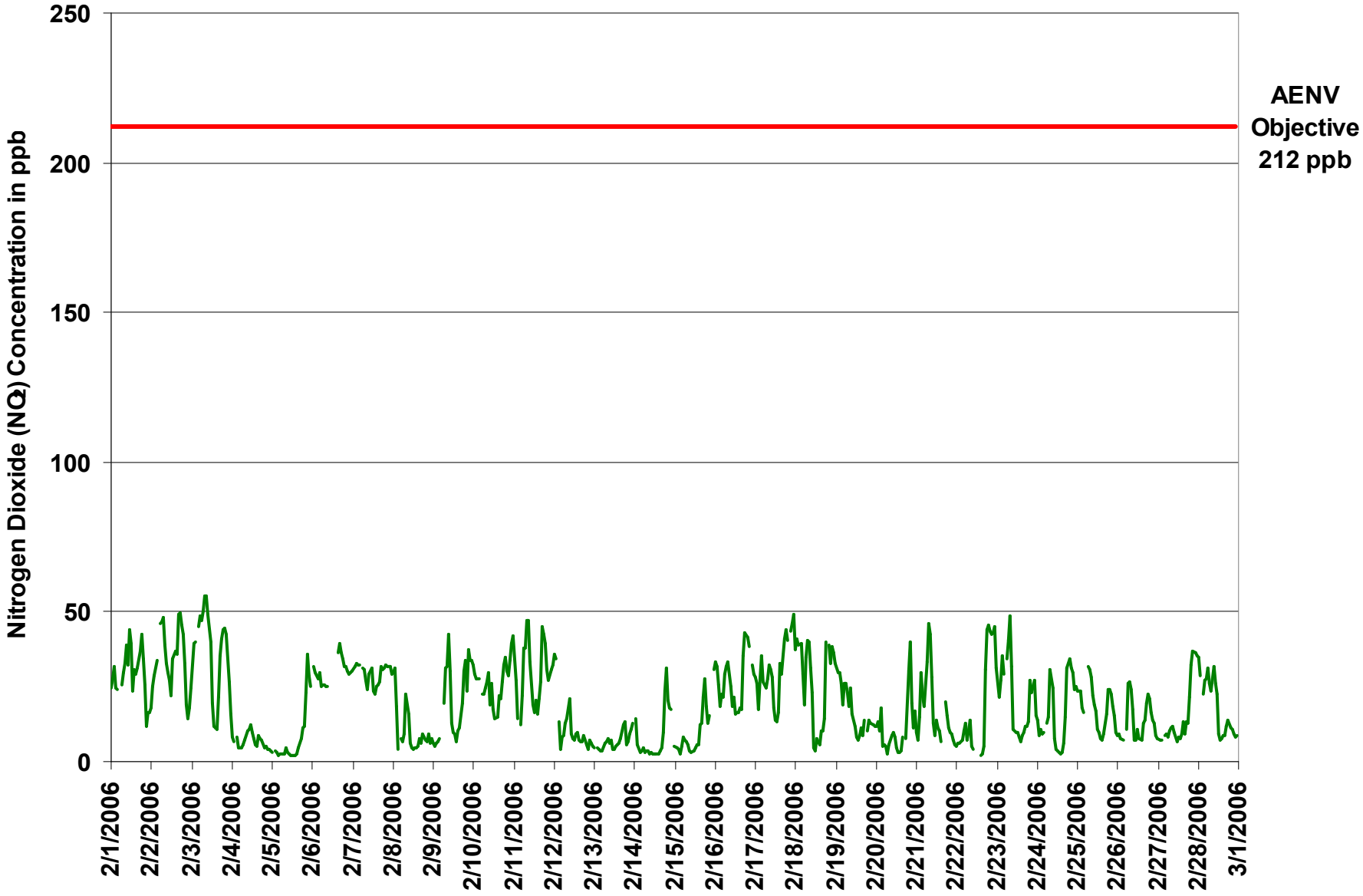


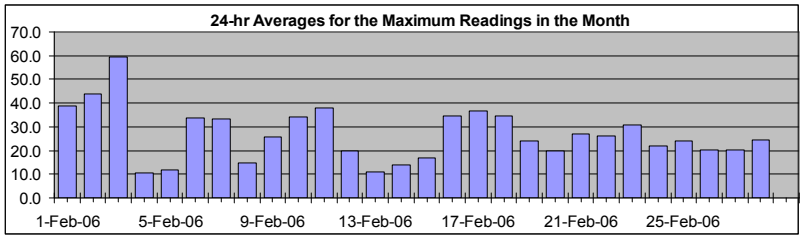
Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	199.4	ppb	3-Feb	4:00 5:00
Maximum 24-hr Value:	59.6	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	71.8	50.4	37.0	26.5	13.1	5.5	4.1	26.8 ppb	26.5 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-Feb-06	28	33	58	28	26	A	33	45	60	51	42	68	70	28	34	33	36	46	48	40	31	17	20	24	39.0	69.5
2-Feb-06	31	43	37	38	A	50	55	66	50	39	37	42	27	43	48	40	83	57	60	46	43	27	17	32	44.0	82.7
3-Feb-06	38	71	55	A	199	98	80	72	74	173	54	48	39	17	15	15	33	43	48	47	50	46	36	22	59.6	199.4
4-Feb-06	13	8	A	14	6	7	6	9	12	14	18	19	16	13	8	7	15	14	10	7	7	5	5	5	10.4	19.5
5-Feb-06	5	A	6	9	5	5	4	4	8	6	4	5	3	3	4	4	7	13	18	16	38	40	38	30	11.9	39.5
6-Feb-06	A	37	34	30	38	29	30	29	29	31	C	C	C	C	A	39	45	42	37	34	33	32	32	31	33.9	44.5
7-Feb-06	33	33	34	34	39	A	34	35	32	27	39	38	28	26	29	32	31	36	35	33	36	34	36	33	33.4	39.2
8-Feb-06	34	35	32	10	A	12	10	17	34	25	10	7	6	6	7	9	11	12	14	9	9	14	9	11	14.9	34.9
9-Feb-06	8	7	9	8	10	A	29	45	45	48	35	22	13	15	9	15	20	29	38	37	34	44	37	38	25.9	47.9
10-Feb-06	35	34	36	34	A	32	29	29	34	38	28	31	24	21	19	33	30	31	49	41	40	35	36	65	34.0	64.8
11-Feb-06	48	49	27	A	19	35	50	44	57	52	51	28	21	26	23	25	36	49	48	44	35	33	34	36	37.8	56.6
12-Feb-06	41	39	A	37	8	15	14	22	42	33	16	15	16	21	18	11	11	17	24	13	9	13	9	9	19.6	41.7
13-Feb-06	9	A	7	6	6	7	10	9	11	9	12	6	6	9	8	9	11	19	20	12	12	13	15	27	11.0	27.4
14-Feb-06	A	28	7	5	6	7	6	9	6	4	6	4	5	4	5	7	11	29	34	38	32	27	28	A	14.0	37.5
15-Feb-06	7	6	6	5	11	20	10	15	14	5	4	6	8	9	10	30	20	27	41	46	19	21	A	47	16.8	47.2
16-Feb-06	45	44	35	32	49	37	42	36	37	31	28	33	18	21	21	24	20	44	46	45	42	A	35	34	34.7	49.1
17-Feb-06	35	31	28	37	41	32	29	33	36	35	35	26	20	19	23	38	38	47	48	44	A	52	54	58	36.6	58.3
18-Feb-06	49	45	50	51	42	27	49	43	45	36	30	21	7	17	11	16	18	26	46	A	44	41	41	41	34.7	51.1
19-Feb-06	39	36	32	32	31	30	33	29	24	30	26	23	12	9	12	17	12	18	A	14	20	23	20	25	23.8	39.2
20-Feb-06	38	39	18	32	9	15	10	4	11	15	13	14	9	7	5	6	18	A	16	47	47	37	20	26	19.9	47.1
21-Feb-06	15	21	37	45	43	35	44	50	48	41	18	15	19	20	26	13	A	33	23	19	17	16	12	15	27.1	50.0
22-Feb-06	15	12	13	18	18	20	15	28	32	8	7	M	M	M	5	5	13	48	50	49	47	51	45	48	26.1	51.0
23-Feb-06	38	33	43	43	38	A	48	61	58	46	17	14	16	12	11	13	15	16	16	24	43	38	42	28	31.0	60.7
24-Feb-06	20	17	15	16	16	A	23	32	41	30	18	8	5	5	4	5	15	24	38	41	35	32	32	32	21.9	41.1
25-Feb-06	29	31	31	24	26	A	35	34	34	27	23	20	17	14	10	12	15	23	29	31	27	28	22	12	24.0	35.3
26-Feb-06	14	12	10	9	A	15	57	34	40	24	12	13	14	12	10	18	20	23	27	26	26	19	20	12	20.3	57.3
27-Feb-06	10	10	10	A	10	12	11	13	14	15	13	9	15	13	15	21	17	22	27	31	57	42	41	40	20.3	57.0
28-Feb-06	39	31	A	29	30	31	45	31	28	43	38	39	14	13	13	16	13	16	25	15	17	12	12	14	24.5	44.5
Hourly Avg	27.6	30.2	26.7	25.1	30.3	25.9	30.0	31.4	34.1	33.4	23.4	22.1	17.2	15.4	14.9	18.4	22.7	29.7	33.9	31.4	31.5	29.3	27.7	29.5		
Hourly Max	49.4	70.9	58.0	51.1	199.4	98.2	80.1	72.3	73.8	172.5	53.5	67.7	69.5	42.7	47.7	40.2	82.7	57.1	60.5	48.7	57.0	52.1	54.1	64.8		

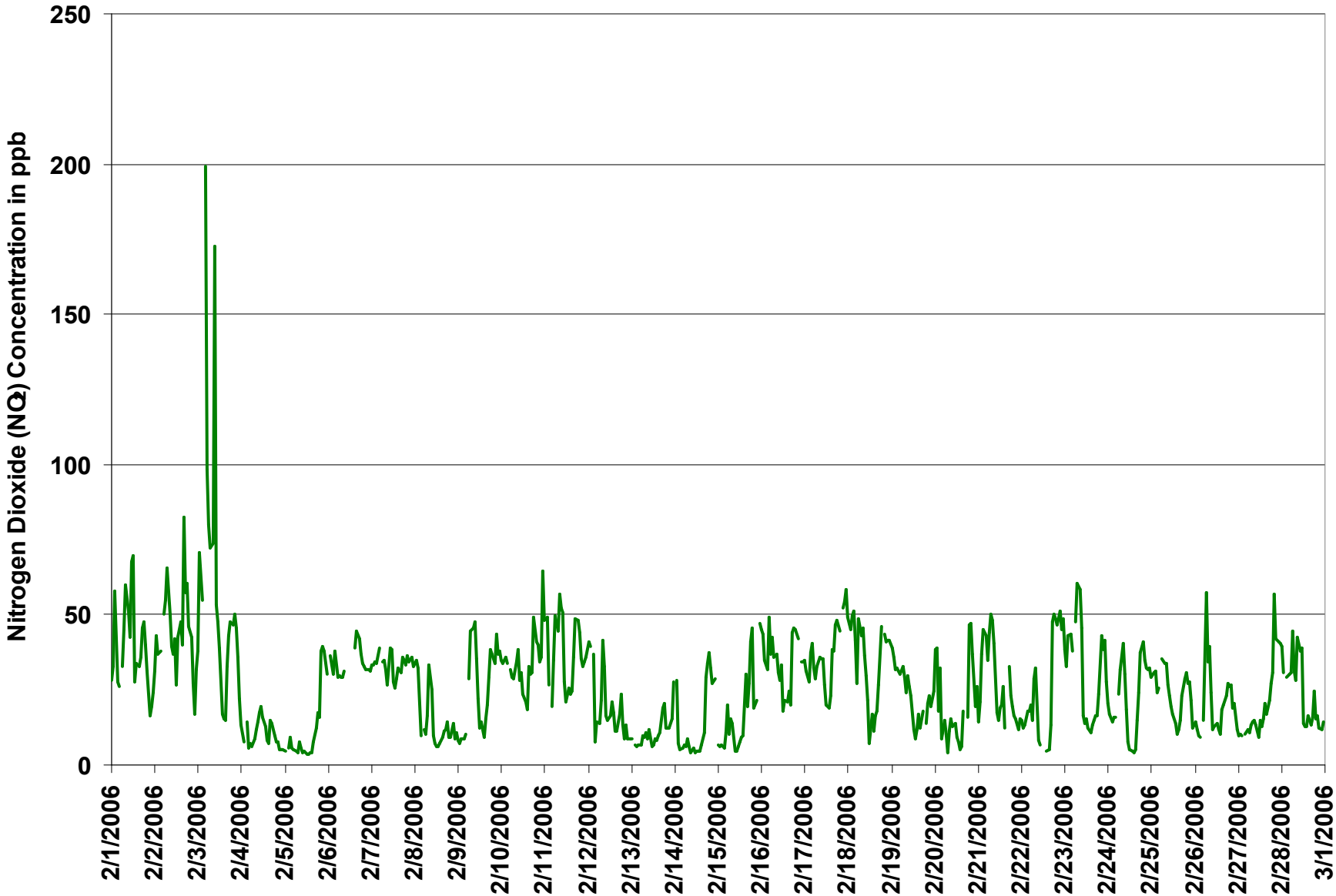
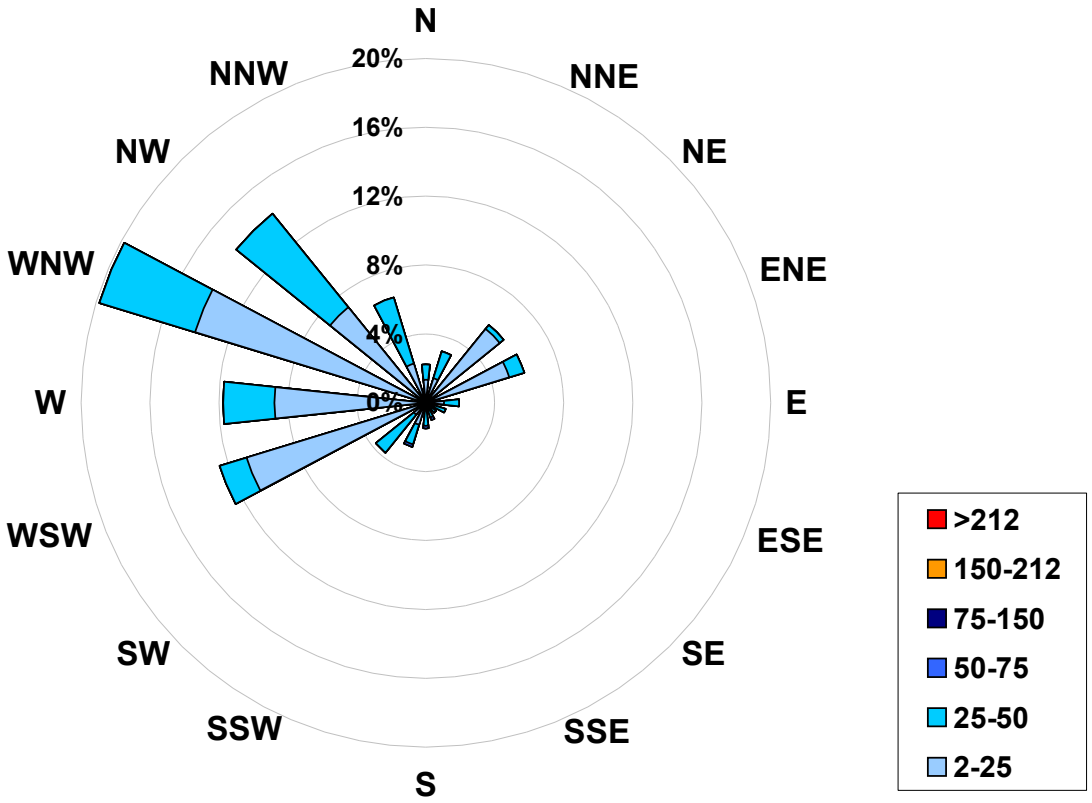


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	487
25	to	50	66
50	to	75	37
75	to	150	31
150	to	212	13
	>	212	2
Total Non-Zero Values			636

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

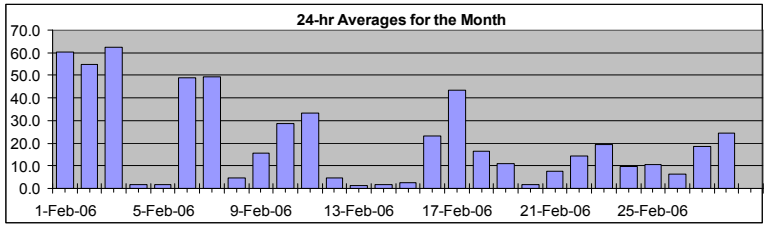
Nitric Oxide (NO)

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	266.1	ppb	3-Feb	8:00 9:00
Maximum 24-hr Average:	62.3	ppb	3-Feb	



AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	174.7	94.1	23.2	4.6	1.3	0.4	0.0	20.5 ppb	4.6 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**

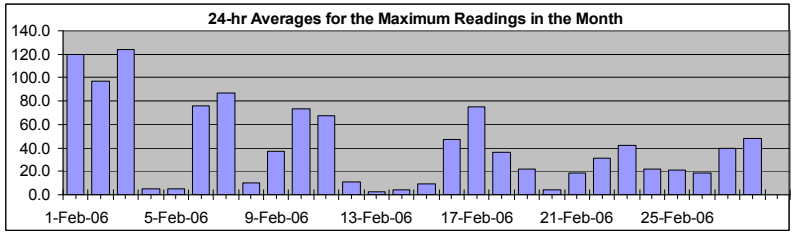
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-06	33	47	55	8	8	A	14	47	168	209	131	150	91	30	46	37	37	92	138	31	9	1	1	1	60.1	208.9
2-Feb-06	1	2	1	2	A	59	116	154	127	53	55	46	39	64	69	68	117	151	92	33	8	1	0	0	54.7	154.2
3-Feb-06	1	14	15	A	46	94	144	196	266	213	149	76	18	7	6	4	6	10	10	18	80	57	5	1	62.3	266.1
4-Feb-06	1	1	A	1	1	1	1	1	1	3	3	4	4	4	3	2	2	1	0	1	1	0	0	0	1.5	4.4
5-Feb-06	0	A	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	0	1	4	13	4	1	1.6	13.2
6-Feb-06	A	20	21	15	21	15	53	47	30	50	C	C	C	C	A	91	109	169	120	55	23	10	11	18	48.9	168.9
7-Feb-06	21	42	69	46	52	A	53	92	65	31	73	74	32	26	29	26	18	58	87	19	29	67	104	27	49.5	103.6
8-Feb-06	51	22	5	0	A	0	1	1	3	4	2	2	2	2	2	2	2	1	1	1	0	1	0	1	4.6	50.8
9-Feb-06	1	0	1	1	0	A	1	6	20	99	48	9	7	7	4	5	3	5	12	21	2	34	35	43	15.8	99.1
10-Feb-06	26	23	30	40	A	25	49	37	28	104	33	55	23	16	12	18	18	15	14	31	13	10	20	22	28.8	103.6
11-Feb-06	23	4	0	A	0	1	34	66	188	163	51	21	16	18	11	12	13	38	46	33	7	4	7	8	33.2	188.5
12-Feb-06	32	49	A	0	0	0	0	0	1	6	2	2	3	3	3	1	1	1	0	0	0	0	1	0	4.7	48.6
13-Feb-06	0	A	0	0	0	1	1	1	1	1	2	2	2	2	2	3	2	2	1	1	1	1	1	0	1.2	2.7
14-Feb-06	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	3	8	3	2	2	A	1.6	7.9
15-Feb-06	0	0	0	0	0	1	1	1	1	1	1	2	2	3	3	9	6	6	5	6	4	3	A	3	2.6	9.1
16-Feb-06	3	7	3	1	6	3	7	25	38	27	24	36	20	17	15	15	8	25	50	86	94	A	17	8	23.3	94.0
17-Feb-06	4	2	1	7	23	10	7	12	66	70	56	22	19	15	19	54	21	27	48	57	A	128	178	151	43.4	177.8
18-Feb-06	31	12	8	19	4	0	8	23	40	24	13	1	1	2	1	3	2	2	19	A	11	3	74	74	16.4	74.3
19-Feb-06	95	34	13	11	2	6	15	7	6	27	12	6	3	3	3	4	3	2	A	1	1	1	1	1	11.1	95.1
20-Feb-06	1	1	0	1	0	0	1	0	1	1	3	4	2	2	1	1	1	A	1	5	12	1	1	1	1.7	11.8
21-Feb-06	0	0	0	7	6	1	9	53	35	21	5	3	8	5	3	2	A	4	3	2	2	3	2	2	7.6	53.0
22-Feb-06	2	2	1	1	1	1	1	1	2	1	2	M	M	M	1	1	2	19	18	29	44	70	53	49	14.4	70.0
23-Feb-06	4	3	3	3	2	A	24	81	183	82	5	6	7	6	4	6	4	4	4	2	4	2	7	1	19.5	182.8
24-Feb-06	1	0	0	0	0	A	1	2	27	25	7	4	4	3	2	2	4	6	24	64	24	12	3	3	9.5	64.4
25-Feb-06	2	1	4	1	1	A	13	17	31	34	40	29	12	10	7	6	6	7	6	6	4	4	3	2	10.6	40.3
26-Feb-06	1	1	1	1	A	2	9	9	17	12	5	8	13	8	6	10	7	7	6	5	4	4	3	2	6.1	17.4
27-Feb-06	1	1	1	A	1	1	2	3	4	5	5	6	7	6	6	6	4	5	2	5	28	79	94	154	18.5	154.4
28-Feb-06	141	26	A	2	5	13	41	26	28	103	66	58	10	6	6	6	4	5	3	3	3	3	2	2	24.5	140.7
Hourly Avg	18.3	12.1	9.3	6.7	7.4	10.8	21.6	32.5	49.3	49.0	29.5	24.2	13.3	10.3	9.9	14.1	14.9	24.6	26.4	19.4	15.3	19.0	23.2	21.3		
Hourly Max	140.7	48.6	68.7	45.9	51.9	94.3	143.6	196.0	266.1	212.8	148.6	150.4	91.3	63.9	68.7	91.0	116.9	168.9	137.5	86.2	94.0	128.1	177.8	154.4		

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	496.8	ppb	3-Feb	9:00 10:00
Maximum 24-hr Value:	123.7	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	273.9	178.0	49.5	13.8	3.5	1.0	0.5	41.0 ppb	13.8 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-Feb-06	53	77	216	19	18	A	37	125	497	293	194	237	239	41	57	53	70	215	230	65	19	1	1	1	119.9	496.6
2-Feb-06	4	19	5	6	A	78	188	225	215	102	80	106	63	109	111	108	242	271	229	56	19	2	1	2	97.4	271.1
3-Feb-06	3	73	40	A	361	151	230	337	389	497	184	137	59	11	9	5	11	21	21	35	152	101	17	5	123.7	496.8
4-Feb-06	5	1	A	10	4	4	3	4	9	12	18	14	8	10	4	2	3	2	1	2	3	2	1	1	5.3	17.9
5-Feb-06	1	A	1	1	1	1	1	1	2	2	2	4	3	2	2	3	2	1	2	3	31	24	20	3	5.0	31.3
6-Feb-06	A	49	32	25	34	37	75	73	44	110	C	C	C	C	A	102	177	212	189	89	40	22	25	36	76.1	212.1
7-Feb-06	52	57	77	71	72	A	85	131	107	72	158	128	58	43	48	59	40	130	156	38	53	155	136	66	86.6	157.7
8-Feb-06	111	42	23	1	A	1	1	2	7	6	3	3	3	3	3	3	4	3	3	1	1	1	1	1	10.0	111.2
9-Feb-06	1	1	1	1	1	A	4	28	129	143	85	21	10	12	5	9	6	19	41	66	7	89	85	83	36.8	142.8
10-Feb-06	59	55	183	77	A	63	116	94	49	174	75	75	40	29	17	37	47	37	73	121	64	30	40	142	73.7	182.6
11-Feb-06	63	35	1	A	1	10	126	127	266	220	151	31	25	27	22	19	35	129	115	83	18	9	20	19	67.4	265.7
12-Feb-06	81	77	A	4	1	1	0	1	14	22	5	5	9	10	7	3	3	2	2	2	1	1	1	1	11.0	81.2
13-Feb-06	1	A	0	1	1	1	1	1	1	2	4	3	3	3	3	5	3	4	2	3	2	2	1	3	2.3	5.0
14-Feb-06	A	1	1	1	1	1	3	3	3	2	3	2	2	3	2	5	5	6	8	16	10	6	7	A	4.1	16.4
15-Feb-06	1	1	1	2	2	3	1	1	25	2	4	3	4	9	15	40	11	13	13	24	14	15	A	11	9.4	39.9
16-Feb-06	9	41	14	5	44	13	29	72	71	60	46	74	27	26	35	26	15	79	101	119	124	A	30	20	46.9	123.6
17-Feb-06	9	10	4	19	54	20	25	33	132	120	88	41	36	26	31	84	38	40	104	101	A	167	273	264	74.8	273.1
18-Feb-06	122	24	42	74	21	2	36	51	80	38	26	10	2	6	3	5	6	5	61	A	17	17	104	91	36.7	122.4
19-Feb-06	113	74	36	29	7	28	31	20	15	53	38	17	5	4	5	8	4	3	A	1	2	2	2	2	21.7	112.8
20-Feb-06	7	8	1	2	1	1	2	1	1	3	5	7	5	4	2	2	2	A	1	14	26	5	1	2	4.5	25.8
21-Feb-06	1	3	5	20	25	5	30	81	55	38	7	6	12	15	13	4	A	19	9	13	9	20	16	12	18.3	80.9
22-Feb-06	14	13	12	8	3	15	3	4	9	2	4	M	M	M	3	3	6	48	60	55	95	136	80	72	30.9	135.8
23-Feb-06	12	16	12	12	5	A	59	237	262	164	12	16	21	12	11	11	9	8	14	8	25	6	32	3	42.0	261.6
24-Feb-06	1	1	0	1	1	A	4	16	61	35	19	8	6	5	4	4	12	13	97	131	45	22	11	12	22.2	130.8
25-Feb-06	4	5	15	1	3	A	25	47	49	65	57	41	30	17	11	14	15	16	14	19	16	11	9	4	21.2	64.8
26-Feb-06	6	3	2	3	A	12	77	36	49	22	10	16	17	13	8	18	17	15	22	14	17	20	21	5	18.4	77.0
27-Feb-06	6	3	5	A	3	2	3	13	7	7	8	8	14	18	11	15	10	14	10	16	85	168	199	274	39.2	274.3
28-Feb-06	207	46	A	12	15	21	87	55	69	169	125	139	20	16	12	15	14	13	20	14	13	8	13	8	48.4	207.0
Hourly Avg	36.4	28.3	29.2	16.3	28.2	21.4	45.8	65.0	93.4	87.0	52.3	44.3	27.8	18.3	16.9	23.7	29.9	49.6	59.2	41.0	33.6	38.5	42.4	42.4		
Hourly Max	207.0	77.1	216.3	76.9	361.0	151.4	229.5	337.1	496.6	496.8	193.6	236.8	239.0	109.2	110.6	108.1	241.6	271.1	229.6	130.8	151.5	167.8	273.1	274.3		

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

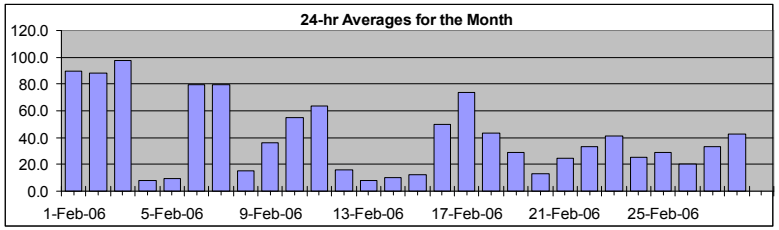
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	321.8	ppb	3-Feb	8:00 9:00
Maximum 24-hr Average:	97.7	ppb	3-Feb	



AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	220.6	133.4	53.1	21.8	9.9	4.2	3.1	40.0 ppb	21.8 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-Feb-06	58	74	87	33	32	A	39	77	200	248	163	195	131	54	77	66	69	129	180	65	34	12	17	17	89.4	248.1
2-Feb-06	18	27	30	35	A	106	163	203	167	86	84	73	61	98	106	103	167	201	138	75	41	20	14	18	88.4	202.6
3-Feb-06	25	53	54	A	90	143	191	247	322	264	198	116	38	19	17	14	28	45	51	62	124	99	31	17	97.7	321.8
4-Feb-06	9	7	A	9	5	5	5	6	9	13	14	17	13	12	8	7	10	8	8	5	6	4	4	4	8.2	16.7
5-Feb-06	3	A	4	3	2	3	3	3	5	4	3	4	3	3	3	3	5	8	11	12	27	49	32	26	9.6	48.8
6-Feb-06	A	52	51	43	50	40	79	72	55	75	C	C	C	C	A	129	150	207	155	88	56	41	41	48	79.4	206.9
7-Feb-06	51	74	102	79	84	A	85	123	93	55	103	106	56	49	54	52	45	91	118	50	61	99	136	56	79.2	136.1
8-Feb-06	81	54	23	5	A	8	7	10	26	20	8	7	6	7	7	7	9	7	10	8	7	10	7	8	14.9	80.7
9-Feb-06	7	5	7	7	8	A	21	38	51	142	79	22	17	16	10	15	14	25	42	54	26	72	69	77	35.9	142.3
10-Feb-06	58	52	58	68	A	48	72	62	55	134	53	82	41	30	27	40	39	42	46	66	43	39	54	62	55.3	134.3
11-Feb-06	65	31	15	A	12	23	72	105	237	211	84	40	32	39	27	33	39	84	89	72	38	31	38	40	63.4	236.9
12-Feb-06	68	84	A	14	4	8	9	13	16	27	11	10	10	13	13	9	8	7	9	6	4	7	7	5	15.8	83.6
13-Feb-06	5	A	5	4	4	4	7	8	8	7	9	6	6	7	8	9	10	14	15	6	8	10	11	13	8.1	15.1
14-Feb-06	A	15	6	3	4	5	4	5	5	3	4	4	4	4	4	5	6	12	26	39	24	20	19	A	10.0	39.4
15-Feb-06	5	5	5	3	6	9	8	7	7	4	4	5	7	8	9	22	18	27	33	24	17	18	A	34	12.4	33.7
16-Feb-06	36	38	28	19	28	25	36	57	72	52	43	58	36	34	32	33	26	60	94	128	133	A	49	37	50.1	133.1
17-Feb-06	32	28	18	34	58	37	32	40	99	102	84	40	33	29	35	87	50	68	92	98	A	173	225	201	73.7	225.5
18-Feb-06	69	53	47	59	33	19	43	64	81	56	36	6	5	10	7	13	13	16	59	A	50	37	114	111	43.6	113.5
19-Feb-06	129	64	43	37	21	32	41	30	24	52	29	18	11	10	12	16	12	16	A	11	15	13	13	12	28.7	129.0
20-Feb-06	12	14	11	19	6	6	6	3	6	10	13	12	7	5	4	5	9	A	8	36	52	21	12	18	12.7	51.7
21-Feb-06	10	8	15	36	28	20	42	100	78	49	18	11	22	16	14	9	A	24	18	14	11	12	9	7	24.8	99.6
22-Feb-06	7	8	7	8	11	14	8	11	16	7	6	M	M	M	3	4	7	50	62	74	87	113	97	94	33.1	112.9
23-Feb-06	35	24	30	38	31	A	59	122	233	115	16	16	16	14	11	15	14	15	16	15	31	25	34	16	40.9	232.7
24-Feb-06	14	9	11	10	10	A	14	16	57	50	14	8	7	6	5	5	10	21	55	99	56	42	27	28	25.0	99.1
25-Feb-06	26	25	27	19	17	A	44	48	59	56	60	46	23	20	14	13	15	23	30	30	26	22	18	11	29.2	59.6
26-Feb-06	10	10	9	8	A	13	35	36	42	30	13	15	23	15	13	23	21	27	28	26	20	18	16	10	20.1	41.8
27-Feb-06	9	8	8	A	10	11	10	13	15	17	15	12	15	14	15	19	13	18	15	27	60	116	131	191	33.2	190.9
28-Feb-06	176	55	A	25	32	41	72	53	52	135	93	81	19	13	13	15	13	17	17	15	14	12	10	13	43.0	176.5
Hourly Avg	39.2	33.7	28.0	24.8	24.5	28.2	43.1	56.1	74.6	72.3	46.5	38.9	24.7	21.0	20.3	27.5	30.4	46.7	52.9	44.7	39.6	42.0	45.7	43.6		
Hourly Max	176.5	83.6	101.8	78.7	90.4	142.9	190.8	246.7	321.8	264.3	198.0	194.6	130.9	98.4	105.7	128.5	166.5	206.9	180.1	128.1	133.1	172.7	225.5	201.1		

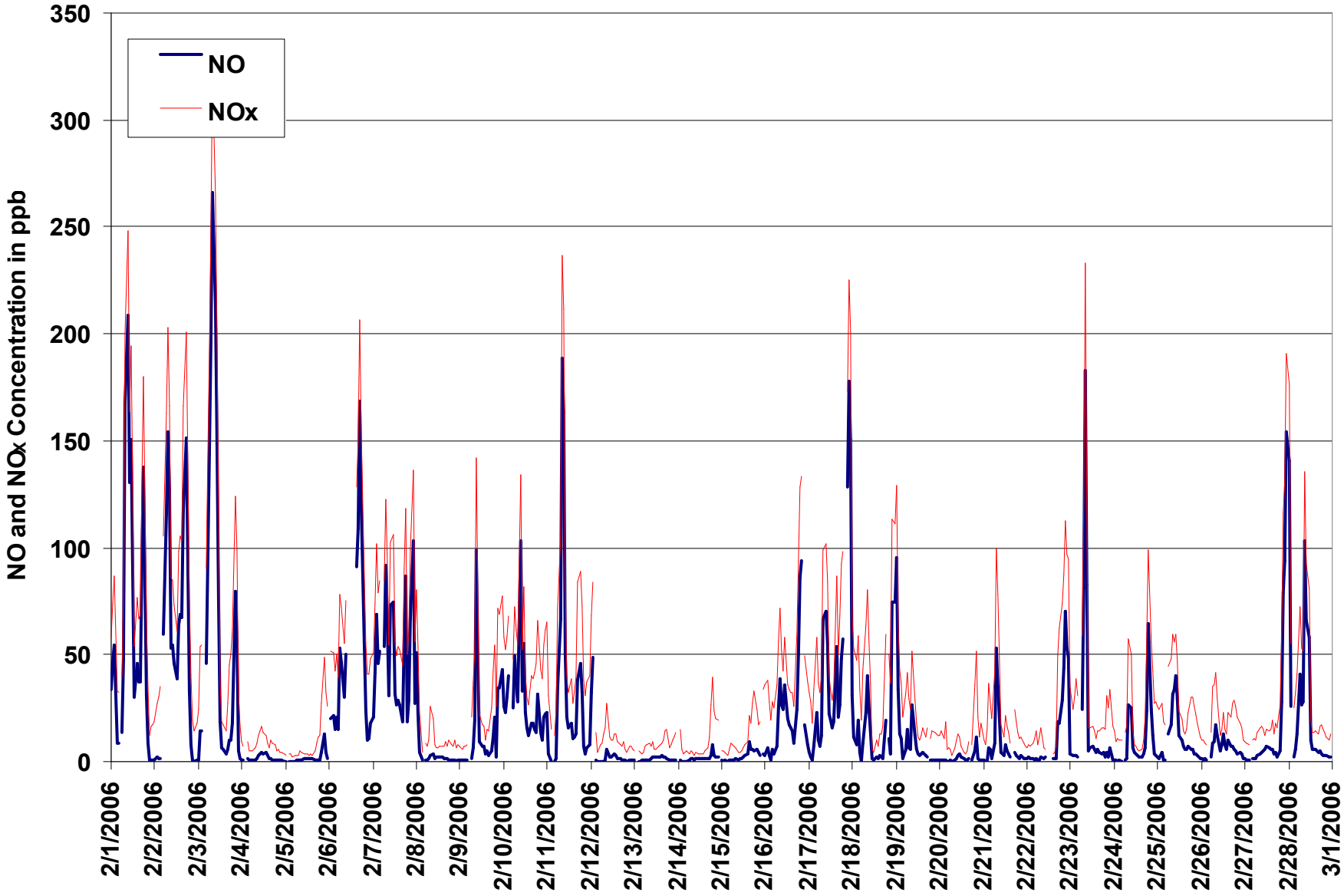


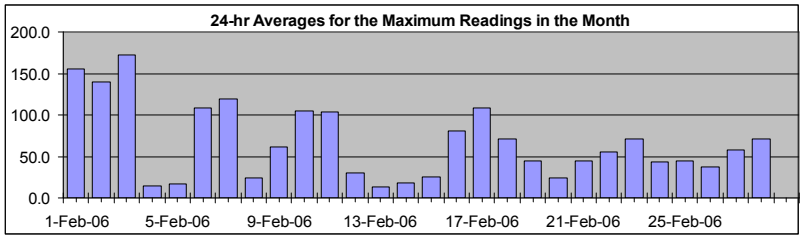
Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	497.8	ppb	3-Feb	9:00 10:00
Maximum 24-hr Value:	171.8	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	636 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	324.2	219.4	85.8	39.0	17.5	7.4	5.8	66.3 ppb	39.0 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-Feb-06	80	106	271	46	44	A	70	163	498	343	233	305	309	68	90	86	106	258	273	105	50	17	20	24	155.0	497.6
2-Feb-06	34	62	38	43	A	127	244	287	262	141	117	148	89	151	158	146	316	326	283	98	61	29	17	33	139.7	326.4
3-Feb-06	40	143	88	A	498	250	310	410	461	498	233	183	96	27	24	20	43	63	66	78	195	146	52	27	171.8	497.8
4-Feb-06	15	8	A	21	9	11	7	12	17	25	35	33	21	22	12	9	18	16	11	8	10	7	6	6	14.9	35.3
5-Feb-06	5	A	6	10	6	6	5	5	9	7	6	8	6	5	6	7	9	13	18	18	69	63	57	33	16.4	68.9
6-Feb-06	A	80	64	53	69	63	104	98	72	141	C	C	C	C	A	142	217	251	226	122	73	53	56	65	108.4	250.5
7-Feb-06	86	91	111	104	107	A	119	164	139	99	196	168	86	69	77	88	71	165	191	70	86	183	165	99	118.9	196.4
8-Feb-06	142	74	54	11	A	12	11	19	41	30	12	10	10	9	11	13	15	13	15	10	10	15	9	12	24.3	142.2
9-Feb-06	9	7	10	9	11	A	33	72	175	192	120	43	22	27	15	24	26	48	75	100	40	133	117	117	62.0	191.7
10-Feb-06	93	88	194	111	A	94	136	119	83	212	103	106	64	49	35	69	77	67	108	155	100	64	74	207	104.8	211.6
11-Feb-06	110	84	27	A	20	45	172	172	319	271	202	58	46	52	46	43	71	176	160	124	52	41	54	50	104.2	319.4
12-Feb-06	120	114	A	42	8	16	14	22	56	55	22	20	25	31	25	15	14	18	25	14	10	15	10	10	30.4	119.5
13-Feb-06	10	A	7	6	7	8	11	10	12	11	15	9	10	12	11	15	14	23	22	15	14	14	16	28	13.1	28.1
14-Feb-06	A	30	7	5	6	7	7	11	9	6	9	6	7	7	7	12	16	35	42	54	42	32	36	A	17.8	54.1
15-Feb-06	8	7	7	7	13	23	11	16	28	6	8	9	12	18	24	71	30	35	54	70	31	36	A	58	25.2	70.5
16-Feb-06	51	84	49	36	93	50	69	105	107	91	74	107	44	48	56	47	35	120	145	163	165	A	64	54	80.7	165.0
17-Feb-06	43	41	32	57	90	49	52	65	163	152	122	68	56	45	54	122	71	86	154	146	A	208	320	312	109.0	319.6
18-Feb-06	172	70	92	124	63	29	79	93	126	73	56	32	9	23	15	22	25	30	106	A	60	58	137	132	70.6	171.7
19-Feb-06	150	103	67	61	39	56	62	49	38	81	64	41	17	13	16	25	15	22	A	14	22	24	22	26	44.7	150.0
20-Feb-06	45	47	19	34	10	16	12	5	11	19	16	21	14	12	7	8	20	A	17	60	73	42	20	28	24.2	73.2
21-Feb-06	15	23	42	63	68	40	74	131	103	78	25	20	31	35	39	17	A	48	30	32	25	35	26	27	44.6	130.7
22-Feb-06	23	26	25	21	21	34	15	32	40	11	11	M	M	M	7	8	20	96	110	100	139	185	123	120	55.7	185.4
23-Feb-06	50	47	55	56	41	A	95	298	320	206	25	29	36	24	20	23	23	23	28	26	68	44	69	28	71.1	320.0
24-Feb-06	21	18	15	17	16	A	27	47	102	64	38	16	11	9	8	10	27	36	130	166	78	53	40	44	43.1	166.1
25-Feb-06	32	35	46	25	28	A	58	79	77	92	78	60	47	31	21	25	29	37	38	50	39	39	30	17	44.0	92.0
26-Feb-06	18	14	11	11	A	25	129	69	88	46	22	29	31	25	18	36	37	38	49	40	42	32	39	17	37.6	129.2
27-Feb-06	13	13	15	A	13	14	13	22	21	22	20	17	29	31	26	34	27	36	37	47	137	208	240	309	58.4	308.6
28-Feb-06	248	77	A	41	44	50	120	85	98	209	164	179	32	28	25	28	24	27	45	26	27	20	24	25	71.5	247.9
Hourly Avg	62.9	57.4	54.1	40.6	55.2	46.5	73.6	95.1	124.1	113.6	75.1	66.3	44.7	33.5	31.6	41.5	51.7	78.1	91.1	70.8	63.6	66.5	68.3	70.6		
Hourly Max	247.9	143.0	271.3	124.2	497.6	249.6	309.8	409.7	497.6	497.8	233.4	304.6	308.9	151.5	158.0	146.1	315.9	326.4	283.5	166.1	194.9	208.2	319.6	311.9		

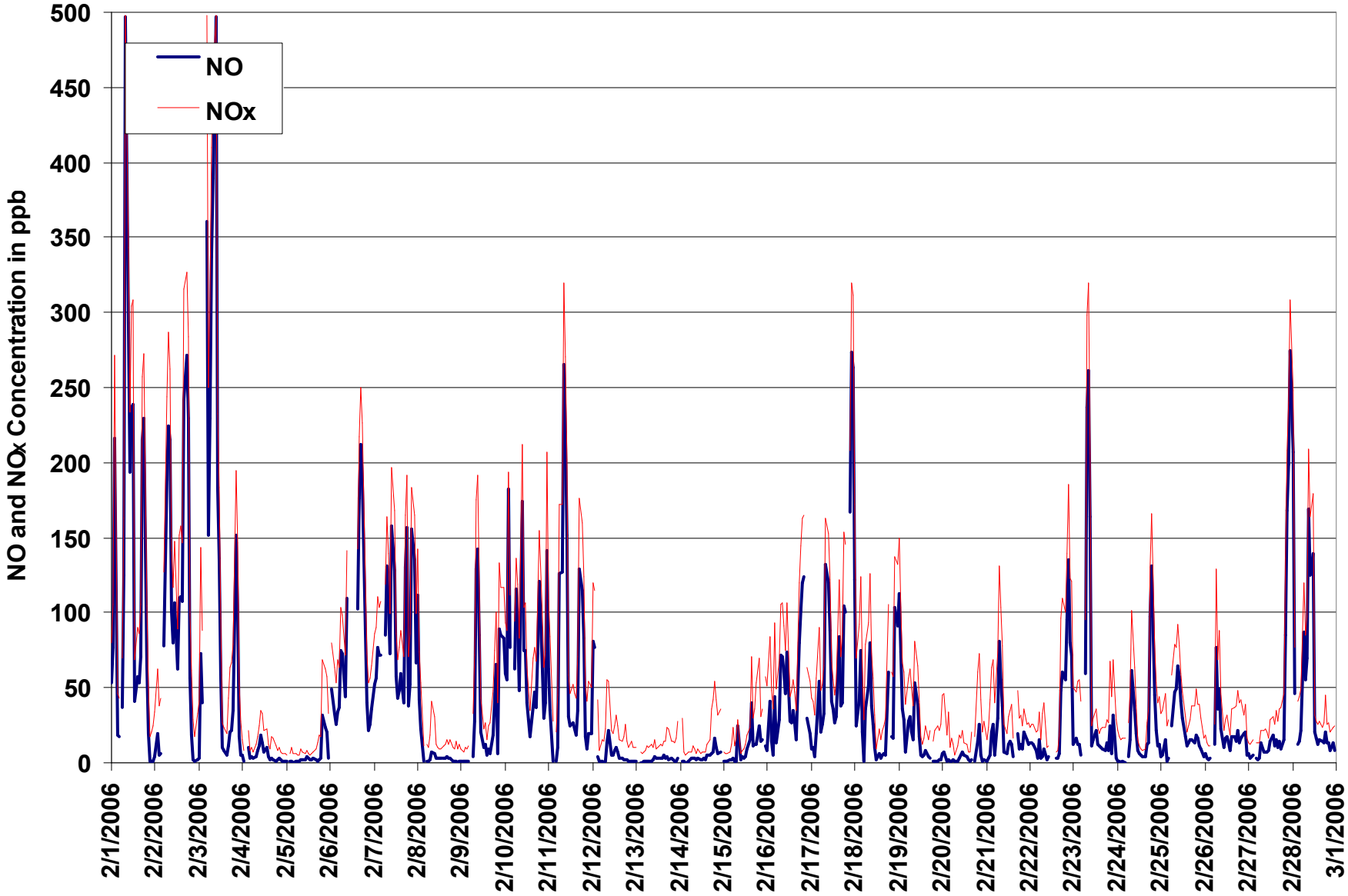


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

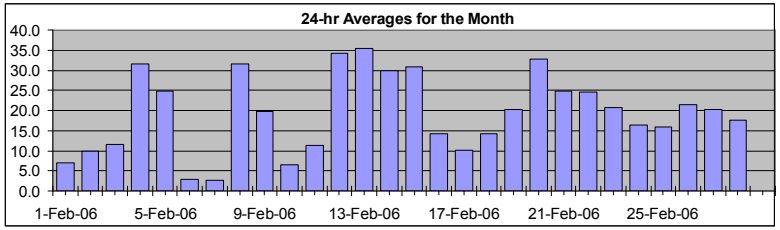
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	43.7	ppb	12-Feb	4:00 5:00
Maximum 24-hr Average:	35.4	ppb	13-Feb	



AIC Time:	30 hrs	Operational Time:	633 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	41.6	38.3	31.9	22.8	4.8	0.5	0.0	19.5 ppb	22.8 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-Feb-06	0	0	0	0	0	A	1	1	2	2	4	6	11	16	12	10	5	1	1	1	9	29	25	25	6.9	28.8
2-Feb-06	25	18	14	7	A	2	1	2	1	3	7	12	13	13	10	7	3	1	1	1	10	25	29	25	10.0	28.9
3-Feb-06	18	6	1	A	4	2	1	2	2	1	4	9	25	34	35	36	25	11	5	2	1	1	14	26	11.5	35.6
4-Feb-06	34	35	A	33	37	38	40	39	35	29	28	27	30	32	34	35	31	31	32	32	25	24	23	24	31.5	39.6
5-Feb-06	25	A	26	25	26	27	28	27	25	27	29	30	31	33	34	34	32	29	25	25	12	2	8	11	24.9	34.2
6-Feb-06	A	1	1	1	1	1	0	0	1	3	5	9	12	15	C	C	A	2	1	1	0	2	2	1	2.9	14.8
7-Feb-06	1	1	1	1	1	A	1	2	1	3	3	4	8	11	9	8	7	1	0	0	0	0	0	0	2.6	11.2
8-Feb-06	0	0	17	39	A	37	38	35	21	28	38	39	40	39	40	M	37	38	34	36	36	33	35	34	31.5	39.6
9-Feb-06	35	35	34	33	32	A	21	10	8	3	10	26	29	31	35	31	29	21	10	3	14	2	2	2	19.7	35.2
10-Feb-06	2	0	0	0	A	0	0	0	1	2	9	10	17	21	23	17	12	7	5	2	6	6	1	4	6.4	23.0
11-Feb-06	2	15	28	A	26	14	3	0	1	2	13	18	23	24	29	25	19	3	0	0	4	8	3	2	11.4	28.7
12-Feb-06	0	2	A	31	44	39	37	33	31	24	37	38	40	39	39	41	42	41	37	41	40	39	38	38	34.3	43.7
13-Feb-06	38	A	40	39	40	40	37	36	35	36	35	38	39	37	36	36	35	30	28	36	35	31	29	25	35.4	39.8
14-Feb-06	A	21	30	35	35	33	34	33	34	36	36	37	37	38	37	37	35	29	17	8	17	19	19	A	29.9	37.9
15-Feb-06	32	34	35	36	33	29	30	32	32	35	36	35	35	34	35	31	32	24	18	26	31	29	A	16	30.8	35.8
16-Feb-06	13	10	12	20	19	17	10	4	3	12	19	19	26	30	31	30	29	11	1	1	1	A	2	6	14.2	31.0
17-Feb-06	9	8	16	9	2	4	6	5	3	6	13	20	24	27	26	15	19	8	3	1	A	3	3	3	10.1	26.7
18-Feb-06	7	3	5	5	10	18	4	1	2	8	16	36	38	33	35	32	32	28	3	A	2	7	1	1	14.1	37.8
19-Feb-06	1	0	0	2	11	2	1	4	8	6	18	31	37	38	38	36	37	32	A	35	30	31	31	32	20.2	38.1
20-Feb-06	33	30	33	26	36	36	38	40	37	35	34	36	40	42	43	42	37	A	38	15	6	22	29	24	32.7	43.0
21-Feb-06	31	33	25	12	18	23	9	0	2	14	27	33	28	30	33	37	A	24	26	30	32	33	35	36	24.9	37.2
22-Feb-06	37	35	34	32	30	28	32	29	26	35	37	37	40	42	M	M	42	18	4	1	2	1	0	1	24.5	42.4
23-Feb-06	12	21	15	6	10	A	3	1	2	12	32	33	33	34	37	34	33	31	31	28	15	18	13	24	20.8	36.6
24-Feb-06	24	28	26	26	25	A	25	22	8	12	26	C	C	C	C	A	28	20	6	0	1	2	9	7	16.3	28.3
25-Feb-06	10	9	7	14	15	A	1	1	3	9	11	17	25	27	29	30	27	21	14	15	15	19	22	26	16.0	30.3
26-Feb-06	27	27	27	27	A	23	12	7	9	16	25	26	25	28	30	26	26	18	14	15	18	19	20	23	21.4	29.7
27-Feb-06	23	23	23	A	23	24	25	24	23	23	25	28	27	27	26	24	27	24	22	14	7	1	2	3	20.3	27.7
28-Feb-06	2	1	A	8	4	2	2	3	6	7	13	17	25	29	30	31	31	27	25	27	28	29	30	29	17.7	31.0
Hourly Avg	16.9	15.3	18.0	18.7	19.9	20.0	15.8	14.0	12.9	15.4	20.9	24.8	28.1	29.8	30.5	28.5	27.5	19.8	14.8	14.6	14.7	16.1	15.7	16.6		
Hourly Max	38.4	35.2	39.6	39.4	43.7	39.5	39.6	39.9	36.7	36.3	37.5	39.2	40.4	42.3	43.0	42.2	42.4	41.1	37.8	40.7	40.2	38.9	38.3	38.2		

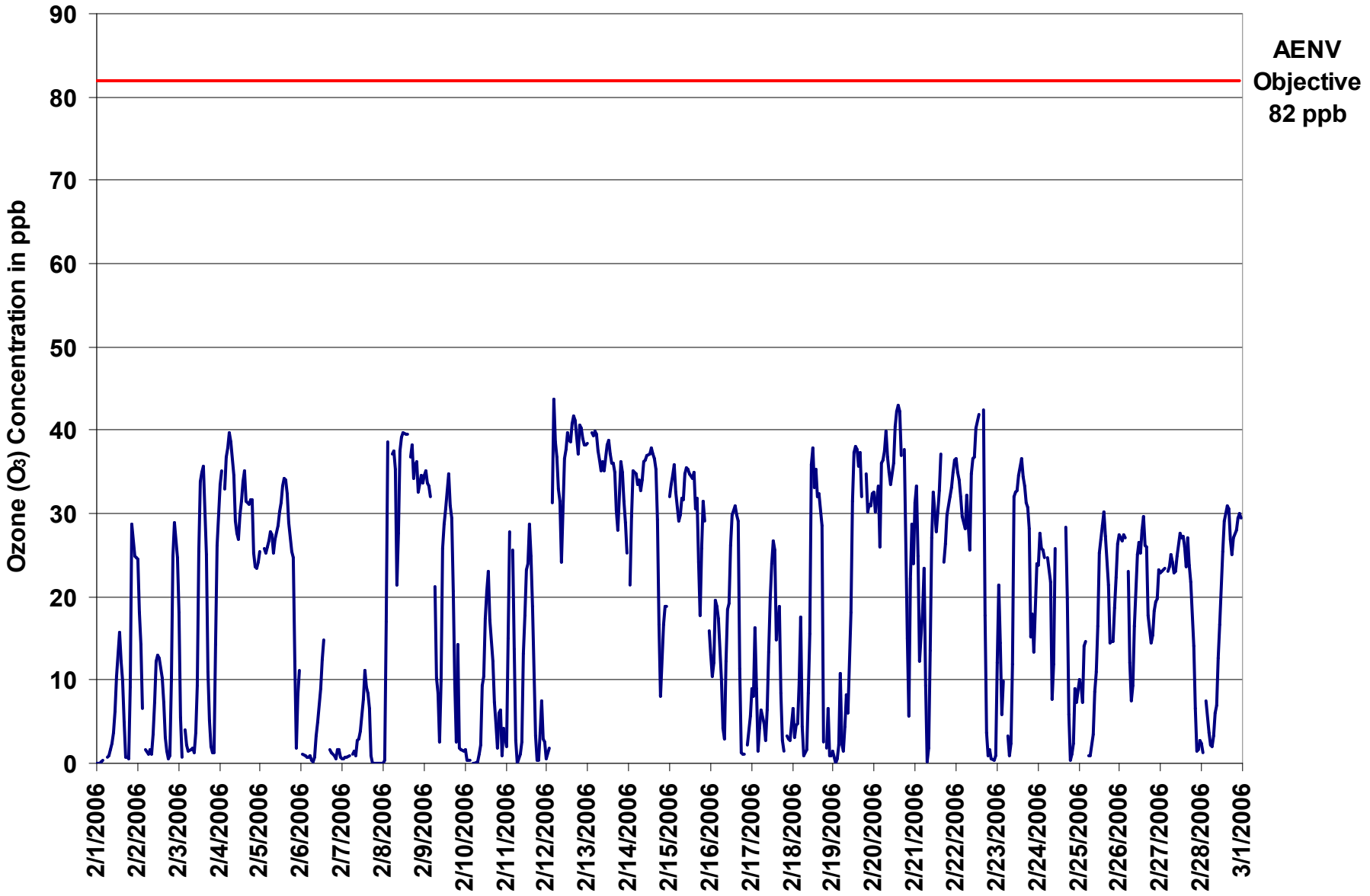


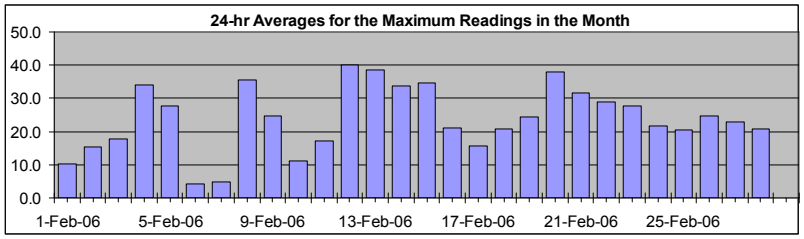
Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	47.1	ppb	12-Feb	3:00 4:00
Maximum 24-hr Value:	40.0	ppb	12-Feb	

AIC Time:	30 hrs	Operational Time:	633 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.6%

Percentile	99	95	75	50	25	5	1	Average	Median
	44.1	41.0	35.7	27.4	11.4	2.1	1.3	23.9 ppb	27.4 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-Feb-06	1	2	3	2	2	A	2	3	3	4	6	8	17	19	16	11	8	2	3	4	22	33	31	30	10.1	33.4
2-Feb-06	33	28	23	12	A	7	2	3	4	6	9	16	17	17	14	11	25	3	2	4	20	33	33	32	15.4	32.9
3-Feb-06	26	19	4	A	28	6	3	5	4	4	7	16	37	38	39	38	31	22	11	6	4	8	23	30	17.8	38.5
4-Feb-06	37	36	A	36	38	41	41	40	38	32	30	31	34	34	36	37	36	35	35	36	27	25	24	25	34.1	40.9
5-Feb-06	27	A	27	27	27	28	29	29	28	29	31	32	32	35	36	35	35	33	31	28	22	5	20	16	27.8	35.7
6-Feb-06	A	2	2	2	2	3	2	1	3	5	6	11	14	17	C	C	A	3	3	2	1	2	3	2	4.3	16.7
7-Feb-06	2	2	1	1	3	A	2	4	2	5	5	6	11	14	13	13	11	3	1	1	2	1	2	3	4.7	14.2
8-Feb-06	4	3	40	41	A	40	39	38	30	34	39	41	41	41	41	M	41	42	39	38	40	36	36	36	35.5	41.5
9-Feb-06	37	37	36	35	35	A	30	21	19	5	17	30	31	37	37	34	33	31	17	8	20	7	7	6	24.8	37.3
10-Feb-06	14	2	2	2	A	1	1	1	3	4	13	17	22	26	26	24	18	13	11	8	12	12	6	17	11.1	26.1
11-Feb-06	9	29	35	A	32	23	12	2	2	4	22	21	30	30	34	28	26	12	5	6	9	13	6	9	17.3	35.4
12-Feb-06	2	18	A	47	46	44	41	40	41	40	39	42	45	44	43	44	47	44	41	44	43	43	41	41	40.0	47.1
13-Feb-06	42	A	41	41	41	41	39	39	38	38	38	40	40	39	38	38	39	36	36	41	40	34	34	31	38.5	41.9
14-Feb-06	A	29	32	38	37	35	36	34	36	37	38	38	39	39	39	38	38	35	25	19	26	28	24	A	33.6	39.2
15-Feb-06	34	35	37	37	36	34	32	36	34	36	36	37	37	39	38	36	36	31	29	34	35	34	A	25	34.7	38.8
16-Feb-06	28	26	28	27	28	27	18	14	11	15	22	22	30	34	39	32	32	26	5	2	2	A	4	12	21.1	39.1
17-Feb-06	18	14	25	24	4	11	11	9	4	12	21	22	26	30	29	22	25	18	6	3	A	7	7	11	15.7	29.8
18-Feb-06	20	15	12	13	17	22	18	3	5	20	22	40	41	39	39	36	37	38	15	A	7	11	2	5	20.7	40.8
19-Feb-06	4	0	3	13	17	6	6	10	13	9	26	38	40	40	39	38	39	37	A	38	34	38	35	38	24.4	40.5
20-Feb-06	39	39	39	36	38	40	41	41	40	39	36	40	43	44	44	44	43	A	42	32	19	28	34	31	37.9	44.2
21-Feb-06	39	39	32	35	35	34	16	1	6	29	31	39	32	37	39	41	A	33	31	32	35	37	38	38	31.7	40.8
22-Feb-06	39	37	36	36	34	34	35	33	34	37	38	39	42	43	M	M	46	40	9	2	6	4	2	7	28.8	46.1
23-Feb-06	21	28	26	12	18	A	13	4	4	31	35	36	36	37	39	39	38	36	33	33	25	27	29	32	27.6	39.5
24-Feb-06	30	32	30	29	30	A	31	27	18	17	29	C	C	C	C	A	32	27	16	2	3	10	16	14	21.8	32.1
25-Feb-06	15	14	16	20	19	A	5	6	10	11	15	22	29	31	31	32	32	26	20	19	19	23	27	28	20.3	32.0
26-Feb-06	29	29	29	28	A	26	21	15	16	23	27	29	28	31	31	30	29	21	18	19	21	21	22	25	24.7	30.8
27-Feb-06	24	24	24	A	24	26	26	25	24	25	27	29	29	29	28	27	30	28	26	21	20	5	3	5	22.9	29.6
28-Feb-06	4	5	A	11	7	6	5	8	8	10	19	25	28	30	32	33	33	30	31	29	30	31	32	31	20.9	33.0
Hourly Avg	22.2	20.9	23.3	24.2	24.9	24.3	19.9	17.6	17.0	20.0	24.5	28.3	31.5	33.1	33.7	31.7	32.2	26.2	20.2	19.0	20.1	20.6	20.0	21.6		
Hourly Max	41.9	38.7	41.2	47.1	46.1	43.6	41.1	41.1	40.9	40.0	39.5	41.8	45.0	44.0	44.2	44.0	46.5	44.1	42.1	43.5	42.6	43.4	40.8	40.8		

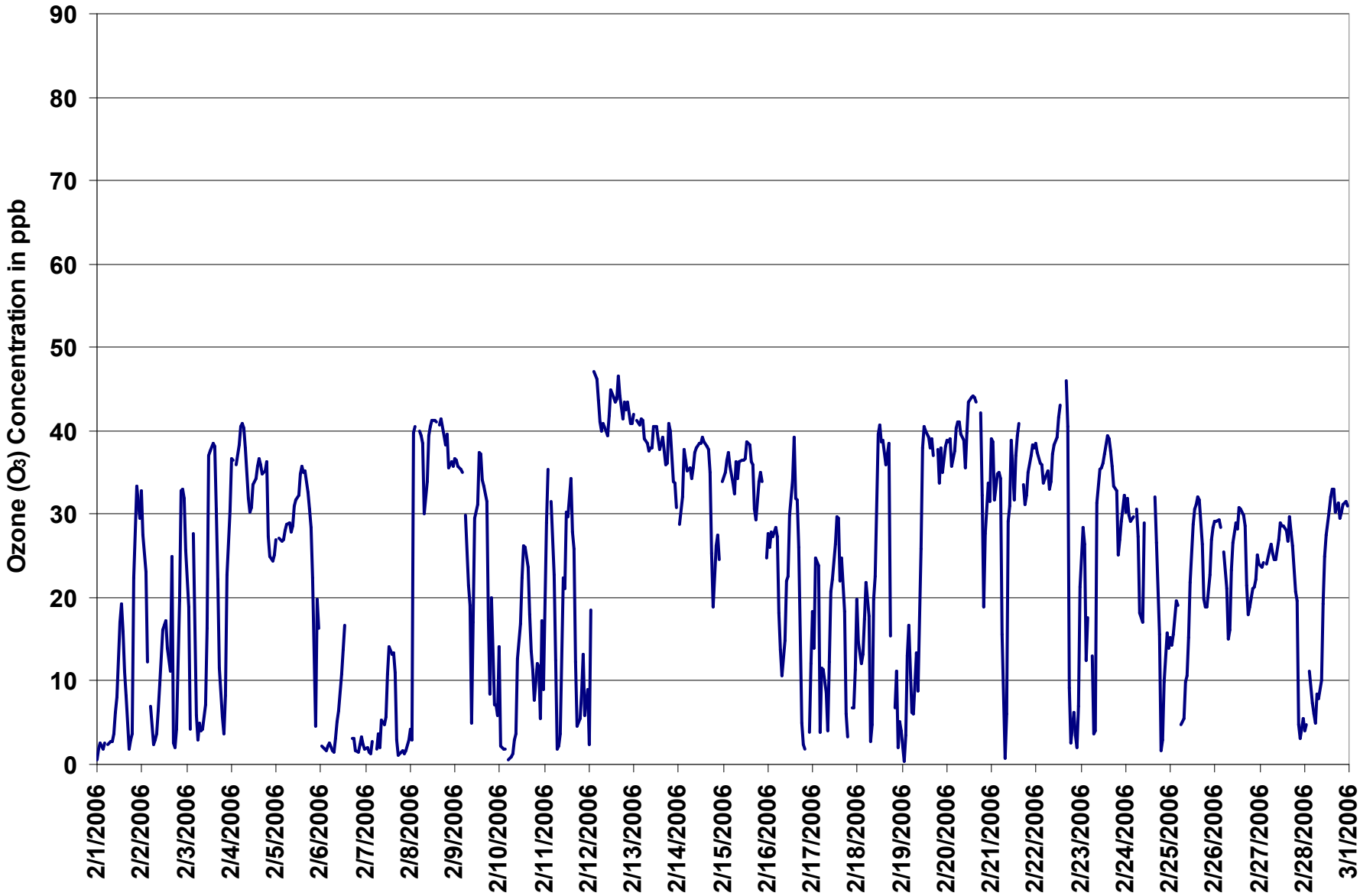
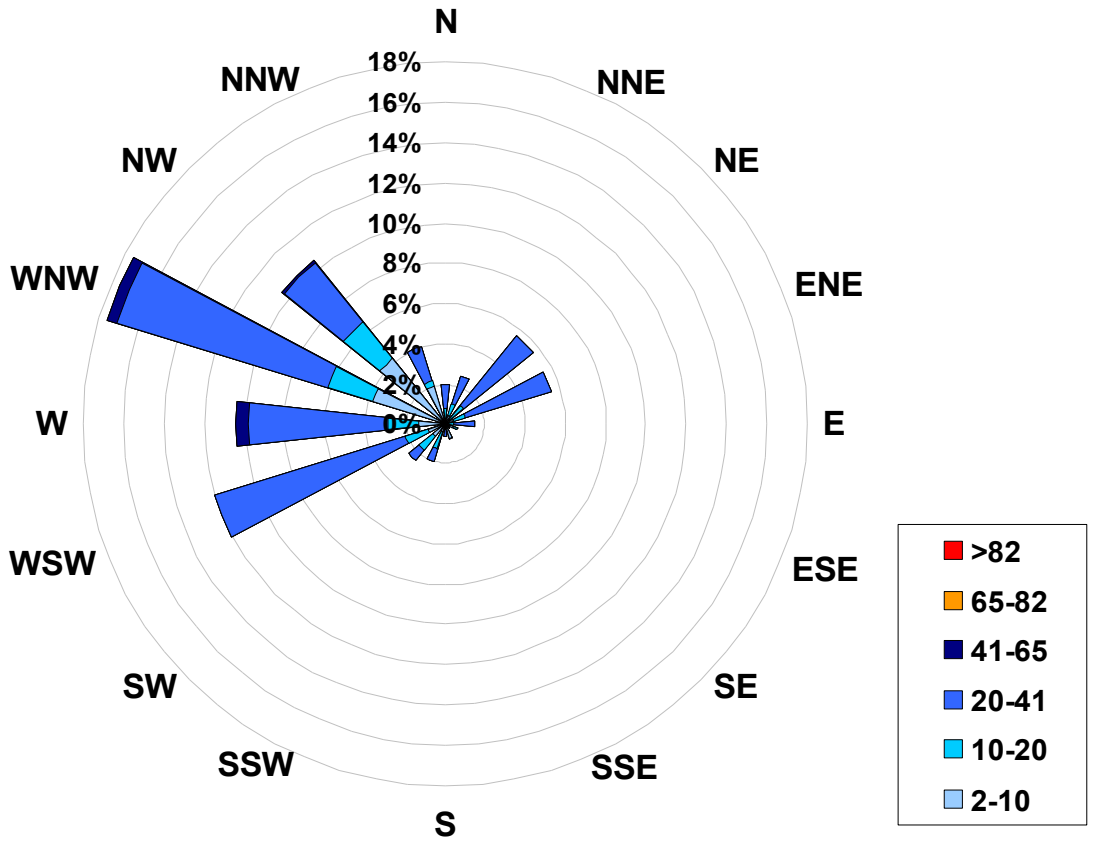


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	217
10	to	20	87
20	to	41	321
41	to	65	8
65	to	82	0
	>	82	0
Total Non-Zero Values			633

PASZA - Henry Pirker - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

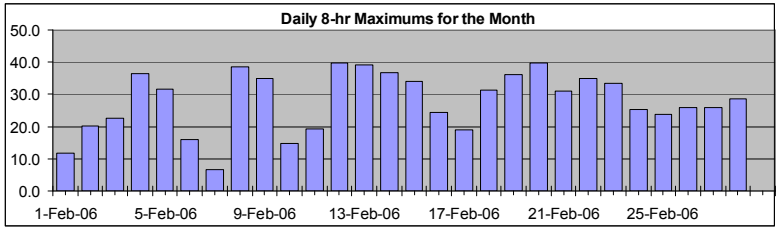
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	39.9	ppb	12-Feb	21:00 22:00



Percentile	99	95	75	50	25	5	1
	39.4	36.9	30.5	20.0	8.0	1.9	0.6

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-Feb-06	9	8	6	4	3	2	2	0	1	1	1	2	4	5	7	8	8	8	8	7	7	8	10	12	11.8
2-Feb-06	14	16	18	19	20	16	13	10	6	4	3	4	5	7	8	8	9	8	8	6	6	7	10	12	20.3
3-Feb-06	14	14	14	16	15	12	8	5	2	2	2	3	6	10	14	18	21	22	23	22	19	15	12	11	22.5
4-Feb-06	12	15	16	21	26	31	35	36	36	36	35	34	33	32	31	31	31	31	31	32	31	30	29	28	36.5
5-Feb-06	27	26	26	25	25	25	26	26	26	26	27	27	28	29	30	30	31	32	31	31	28	24	21	18	31.6
6-Feb-06	16	12	9	5	4	3	2	1	1	1	1	3	4	6	6	N	N	N	N	N	N	N	N	1	16.1
7-Feb-06	1	1	1	1	1	1	1	1	1	1	2	2	3	4	5	6	7	6	6	6	5	3	2	1	6.6
8-Feb-06	0	0	2	7	8	13	19	24	27	31	34	34	34	35	35	35	37	39	38	38	37	36	35	35	38.6
9-Feb-06	35	35	35	34	34	34	32	29	25	20	17	16	15	17	19	21	24	26	26	23	22	18	14	10	35.0
10-Feb-06	7	4	3	3	1	1	1	0	0	1	2	3	5	8	11	13	14	15	14	13	12	10	7	5	14.7
11-Feb-06	4	5	8	9	12	13	13	12	12	10	8	10	9	11	14	17	19	19	18	15	13	11	8	5	19.2
12-Feb-06	3	2	3	7	13	17	22	27	31	34	34	35	35	35	35	36	37	39	39	40	40	40	40	40	39.9
13-Feb-06	39	39	39	39	39	39	39	39	38	38	37	37	37	37	37	37	37	36	35	35	34	34	33	31	39.2
14-Feb-06	31	29	30	30	30	30	31	32	32	34	35	35	35	36	36	37	37	36	33	30	27	25	23	21	36.7
15-Feb-06	20	21	23	27	29	31	32	32	32	33	33	33	33	34	34	34	34	33	30	29	29	28	27	25	34.2
16-Feb-06	22	20	20	19	17	15	15	13	12	12	13	13	14	15	18	21	24	24	22	20	17	15	11	7	24.5
17-Feb-06	5	4	6	7	7	7	8	7	7	6	6	7	10	13	15	17	19	19	18	15	14	11	8	6	18.9
18-Feb-06	4	3	4	4	5	7	7	6	6	7	8	12	15	17	21	25	29	31	30	29	24	20	15	10	31.3
19-Feb-06	6	2	2	2	3	2	2	3	4	5	7	10	14	18	23	27	30	33	36	36	35	34	33	33	36.1
20-Feb-06	32	32	32	31	32	32	33	34	35	35	35	36	37	38	38	39	39	39	40	37	32	29	27	24	39.8
21-Feb-06	24	25	23	23	24	25	22	19	15	13	13	16	17	18	21	25	29	30	30	30	30	31	31	31	31.1
22-Feb-06	32	33	34	34	34	33	33	32	31	31	31	32	33	35	35	N	N	N	N	N	N	N	10	9	34.9
23-Feb-06	5	5	7	7	8	9	10	10	8	7	9	13	17	19	23	27	31	33	33	33	31	28	26	24	33.4
24-Feb-06	23	23	22	22	23	24	25	25	23	20	20	N	N	N	N	N	N	N	N	N	N	N	10	9	25.2
25-Feb-06	7	6	6	8	9	10	9	8	7	7	8	8	9	12	15	19	22	23	24	24	22	21	20	20	23.8
26-Feb-06	20	21	22	24	25	26	24	22	19	18	17	17	18	19	21	23	25	26	24	23	22	21	20	19	25.8
27-Feb-06	19	20	21	21	22	23	23	24	24	24	24	24	25	25	25	25	26	26	25	24	21	18	15	12	25.9
28-Feb-06	9	6	4	3	3	3	3	3	4	5	6	7	9	13	16	20	23	25	27	28	28	28	28	28	28.5
Hourly Max	39.1	38.8	39.2	39.0	38.9	39.0	38.9	38.7	38.2	38.0	37.4	37.2	37.1	37.7	38.3	38.6	38.7	39.4	39.8	39.8	39.9	39.9	39.9	39.5	

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

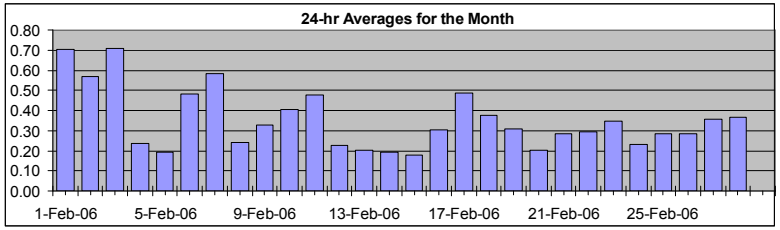
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	2.2	ppm	3-Feb	8:00 9:00
Maximum 24-hr Value:	0.7	ppm	3-Feb	



AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.4	0.9	0.4	0.3	0.2	0.2	0.1	0.4 ppm	0.3 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-Feb-06	0.4	0.5	0.6	0.3	0.3	A	0.3	0.8	1.8	2.2	1.1	1.0	1.0	0.6	0.6	0.5	0.5	0.9	1.3	0.5	0.3	0.2	0.2	0.2	0.70	2.16
2-Feb-06	0.2	0.2	0.3	0.3	A	0.9	0.9	1.1	0.8	0.4	0.3	0.4	0.3	0.6	0.5	0.5	1.3	1.5	1.0	0.5	0.4	0.2	0.2	0.2	0.57	1.48
3-Feb-06	0.2	0.4	0.5	A	0.6	0.9	1.1	1.6	2.2	1.2	1.1	0.7	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.6	1.2	1.0	0.4	0.3	0.71	2.21
4-Feb-06	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.24	0.29
5-Feb-06	0.2	A	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.19	0.40
6-Feb-06	A	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.8	0.6	0.5	0.4	0.5	0.6	0.7	1.1	0.7	0.4	0.3	0.3	0.3	0.3	0.48	1.05
7-Feb-06	0.3	0.4	0.6	0.5	0.4	A	0.4	0.7	0.7	0.3	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.8	0.8	0.4	0.5	0.8	0.9	0.5	0.58	0.92
8-Feb-06	0.6	0.4	0.3	0.2	A	0.2	0.2	0.2	0.3	0.2	C	C	C	A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.24	0.61
9-Feb-06	0.2	0.2	0.2	0.2	0.2	A	0.2	0.3	0.4	0.8	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.6	0.7	0.7	0.33	0.76
10-Feb-06	0.5	0.4	0.5	0.4	A	0.3	0.3	0.4	0.4	0.7	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.40	0.66
11-Feb-06	0.5	0.3	0.2	A	0.2	0.2	0.4	0.7	1.3	1.4	0.6	0.3	0.3	0.3	0.3	0.3	0.4	0.8	0.6	0.5	0.3	0.3	0.4	0.4	0.48	1.37
12-Feb-06	0.6	0.6	A	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.23	0.58
13-Feb-06	0.2	A	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	0.3	0.2	0.2	0.2	0.2	0.2	0.20	0.25
14-Feb-06	A	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	0.3	0.3	0.2	0.3	0.2	A	0.19	0.30
15-Feb-06	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	0.2	0.1	0.2	0.2	0.2	0.2	0.3	A	0.4	0.18	0.36
16-Feb-06	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.4	0.4	0.6	0.7	A	0.3	0.2	0.30	0.72
17-Feb-06	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.5	0.4	0.3	0.3	0.2	0.3	0.6	0.4	0.5	0.6	0.5	A	1.2	1.4	1.1	0.49	1.44
18-Feb-06	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	A	0.4	0.4	1.1	1.1	0.38	1.10
19-Feb-06	1.1	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.31	1.12
20-Feb-06	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	A	0.2	0.3	0.4	0.3	0.2	0.2	0.20	0.37
21-Feb-06	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.5	0.6	0.4	0.2	0.2	0.3	0.3	0.2	0.2	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.29	0.56
22-Feb-06	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.5	0.5	0.6	0.29	0.76
23-Feb-06	0.3	0.2	0.3	0.2	0.2	A	0.3	0.9	1.1	0.6	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.35	1.11
24-Feb-06	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.23	0.54
25-Feb-06	0.3	0.3	0.3	0.2	0.2	A	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.28	0.39
26-Feb-06	0.2	0.3	0.2	0.2	A	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.29	0.41
27-Feb-06	0.2	0.2	0.2	A	0.2	0.2	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.5	0.7	1.0	1.5	0.36	1.49
28-Feb-06	1.0	0.4	A	0.3	0.3	0.3	0.5	0.4	0.4	0.8	0.6	0.5	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.37	0.96
Hourly Avg	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
Hourly Max	1.1	0.6	0.6	0.5	0.6	0.9	1.1	1.6	2.2	2.2	1.1	1.0	1.0	0.6	0.6	0.7	1.3	1.5	1.3	0.7	1.2	1.2	1.4	1.5		

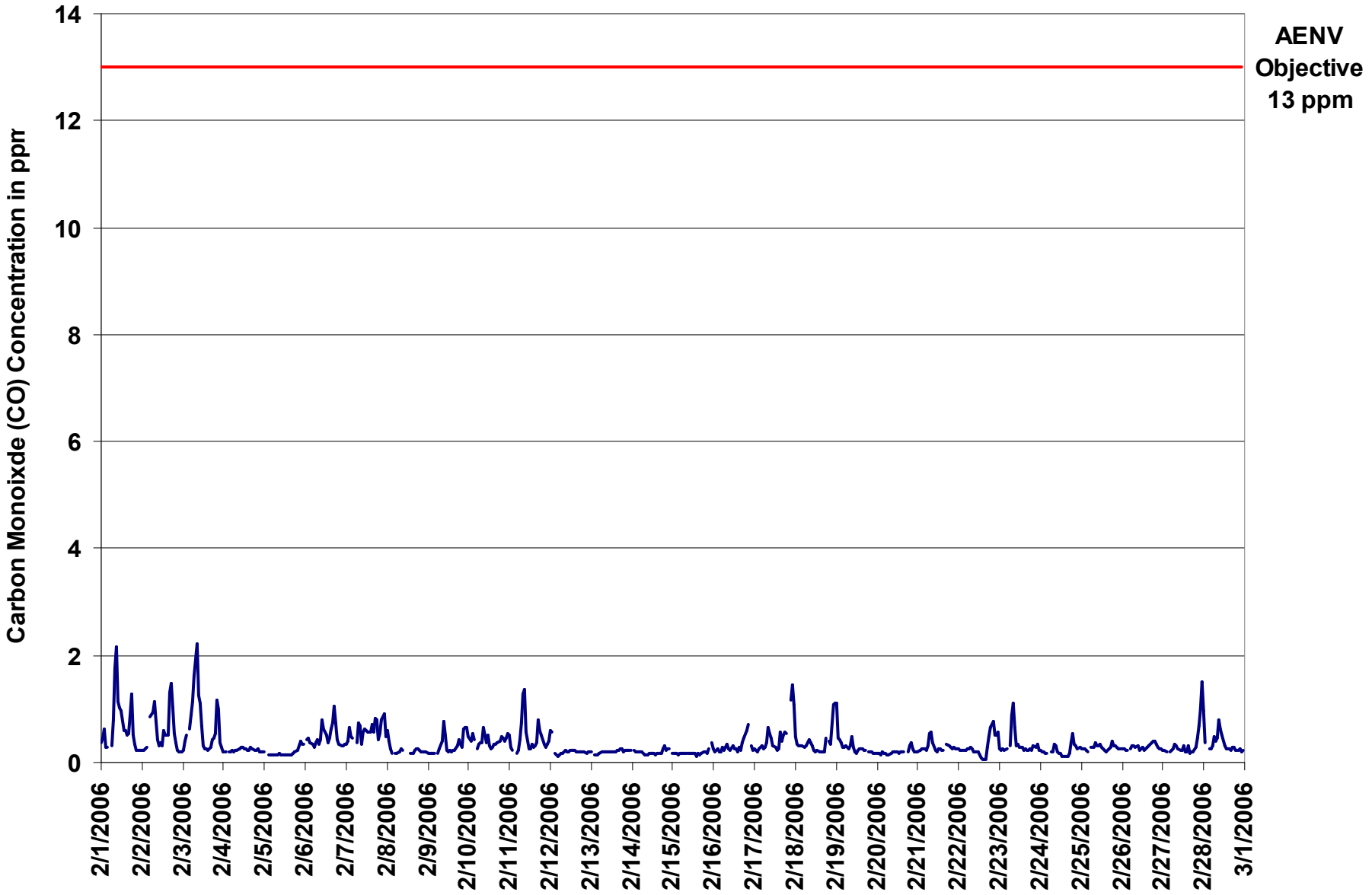


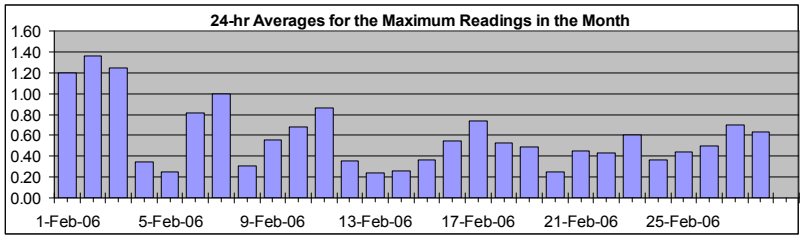
Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	8.3	ppm	2-Feb	16:00 17:00
Maximum 24-hr Value:	1.4	ppm	2-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	1.7	0.7	0.4	0.3	0.2	0.2	0.6 ppm	0.4 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-Feb-06	0.6	0.6	2.3	0.5	0.4	A	0.5	1.8	2.8	4.1	1.7	1.7	1.7	0.8	0.7	0.9	0.9	1.9	2.1	0.7	0.4	0.3	0.2	0.2	1.20	4.08
2-Feb-06	0.3	0.3	0.4	0.4	A	4.5	1.7	2.0	1.8	0.9	0.6	0.6	0.4	0.9	0.9	0.9	8.3	2.3	2.0	0.9	0.5	0.3	0.2	0.3	1.37	8.28
3-Feb-06	0.3	0.6	0.8	A	2.0	1.1	2.2	4.5	3.8	2.6	1.4	1.1	0.6	0.3	0.3	0.3	0.4	0.6	0.7	0.8	1.9	1.5	0.6	0.4	1.24	4.50
4-Feb-06	0.3	0.3	A	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.5	0.5	0.7	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.34	0.66
5-Feb-06	0.3	A	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	0.3	0.3	0.4	0.5	0.6	0.5	0.5	0.25	0.55
6-Feb-06	A	0.8	0.7	0.5	0.5	0.4	0.5	1.5	0.7	0.7	1.2	0.9	0.6	0.5	0.5	0.8	1.2	2.6	1.3	0.6	0.5	0.5	0.6	0.8	0.81	2.60
7-Feb-06	0.4	0.4	1.6	0.6	0.6	A	0.6	1.2	1.7	1.0	1.5	1.1	0.8	0.7	0.7	1.2	0.8	1.4	1.5	0.6	0.8	1.4	1.2	0.9	1.00	1.70
8-Feb-06	1.0	0.5	0.4	0.2	A	0.2	0.2	0.3	0.4	0.3	C	C	C	A	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.31	0.97
9-Feb-06	0.2	0.2	0.2	0.2	0.2	A	0.2	0.4	1.5	1.2	1.1	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.6	0.6	0.3	1.2	1.2	1.0	0.55	1.48
10-Feb-06	0.7	0.6	1.8	0.5	A	0.4	0.8	0.6	0.5	1.3	0.5	0.6	0.4	0.3	0.3	0.5	0.5	0.6	0.6	0.7	0.9	0.8	0.6	1.0	0.68	1.83
11-Feb-06	1.1	0.6	0.3	A	0.4	0.4	1.1	1.2	2.5	2.0	1.4	0.5	0.4	0.8	0.4	0.3	0.5	1.3	1.3	1.0	0.4	0.5	0.5	1.1	0.86	2.46
12-Feb-06	1.0	0.9	A	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.5	0.8	0.4	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.36	0.97
13-Feb-06	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.24	0.30
14-Feb-06	A	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3	A	0.26	0.36
15-Feb-06	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.9	0.3	0.3	0.3	0.5	0.4	1.5	A	1.1	0.36	1.48
16-Feb-06	0.3	0.3	0.4	0.3	0.3	1.5	0.5	0.5	0.5	0.3	0.3	0.5	0.3	0.3	0.2	0.9	0.3	0.5	0.8	1.1	1.2	A	0.5	0.4	0.54	1.50
17-Feb-06	0.3	0.3	0.4	0.3	0.5	0.3	0.5	0.6	0.9	0.7	0.6	0.4	0.4	0.3	0.4	0.8	0.5	0.7	0.8	0.7	A	2.1	2.1	2.2	0.74	2.21
18-Feb-06	1.0	0.4	0.4	0.4	0.4	0.3	0.5	0.4	0.5	0.4	0.4	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.7	A	0.4	0.5	1.7	1.4	0.53	1.67
19-Feb-06	1.5	0.7	0.6	0.5	0.4	0.7	0.4	0.4	0.4	1.7	0.7	0.6	0.2	0.3	0.3	0.3	0.3	0.3	A	0.2	0.3	0.3	0.2	0.2	0.49	1.70
20-Feb-06	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.3	A	0.3	0.4	0.5	0.4	0.3	0.3	0.25	0.45
21-Feb-06	0.2	0.3	0.4	0.4	0.4	0.3	0.4	0.9	0.7	0.6	0.6	0.2	0.3	0.5	0.3	0.3	A	1.1	0.5	0.4	0.3	0.5	0.4	0.4	0.45	1.07
22-Feb-06	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.5	0.6	1.0	1.3	0.9	0.8	0.9	0.43	1.30
23-Feb-06	0.4	0.3	0.3	0.3	0.4	A	0.4	2.3	1.6	1.0	0.7	1.2	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.5	0.8	0.3	0.60	2.28
24-Feb-06	0.3	0.3	0.3	0.2	0.2	A	0.4	0.3	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.8	1.2	0.6	0.4	0.3	0.4	0.36	1.23
25-Feb-06	0.4	0.4	0.4	0.3	0.3	A	0.5	0.4	0.8	0.5	0.5	0.4	0.6	0.4	0.4	0.3	0.5	0.6	0.7	0.5	0.6	0.4	0.4	0.3	0.44	0.75
26-Feb-06	0.3	0.4	0.3	0.3	A	1.6	0.6	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	1.0	1.1	0.6	0.5	0.4	0.3	0.50	1.62
27-Feb-06	0.3	0.3	0.3	A	0.2	0.3	0.4	0.7	0.5	0.3	0.3	0.3	0.9	0.7	0.4	1.0	0.3	0.3	0.3	0.4	0.8	1.3	2.5	3.4	0.70	3.45
28-Feb-06	1.4	0.5	A	0.4	0.3	0.5	1.1	0.6	0.9	1.3	0.9	0.8	0.7	0.6	0.6	0.9	0.4	0.7	0.4	0.4	0.3	0.6	0.3	0.3	0.63	1.36
Hourly Avg	0.5	0.4	0.5	0.3	0.4	0.7	0.6	0.8	0.9	0.9	0.6	0.5	0.5	0.4	0.3	0.5	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.7		
Hourly Max	1.5	0.9	2.3	0.6	2.0	4.5	2.2	4.5	3.8	4.1	1.7	1.7	1.7	0.9	0.9	1.2	8.3	2.6	2.1	1.2	1.9	2.1	2.5	3.4		

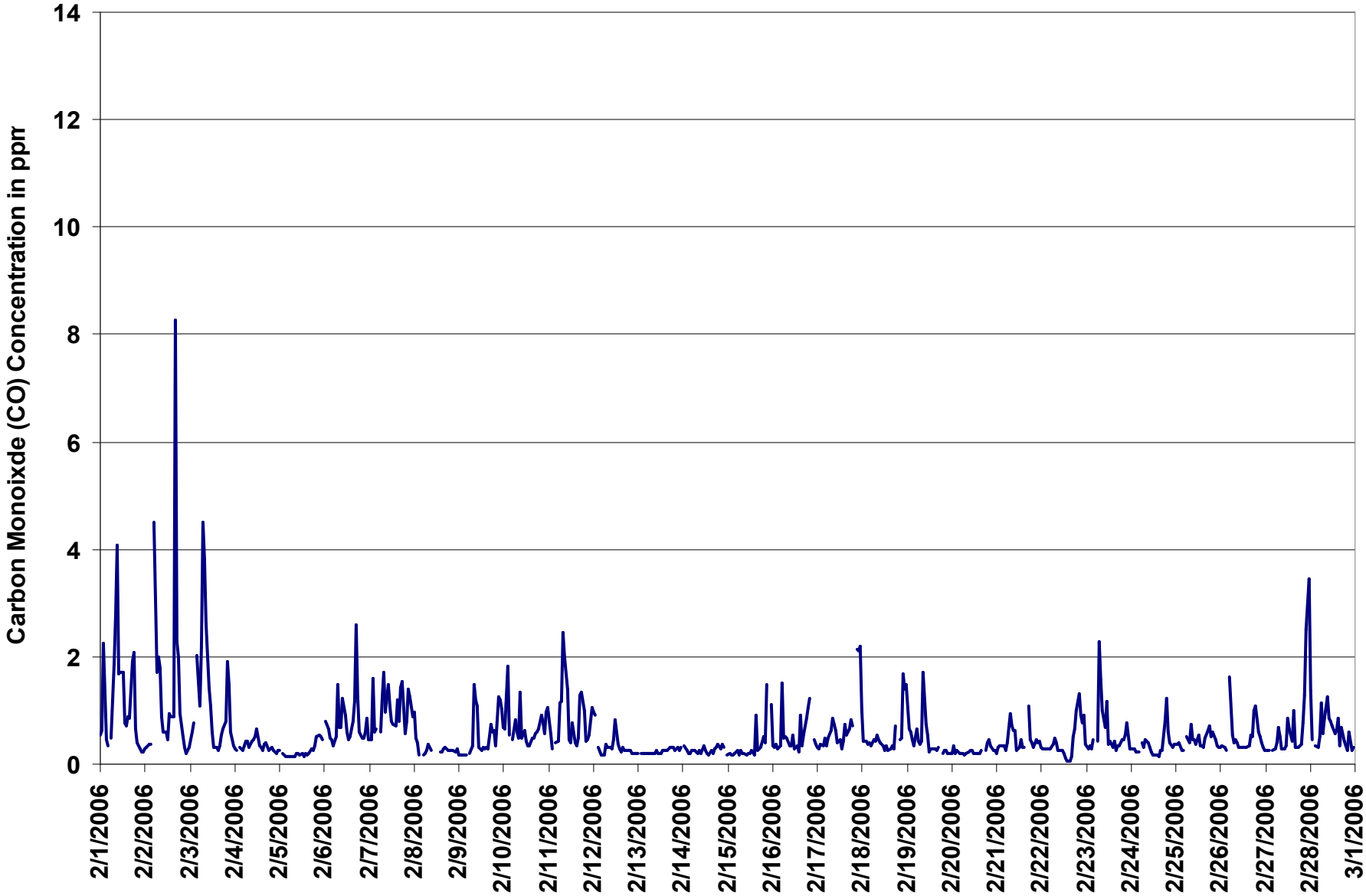
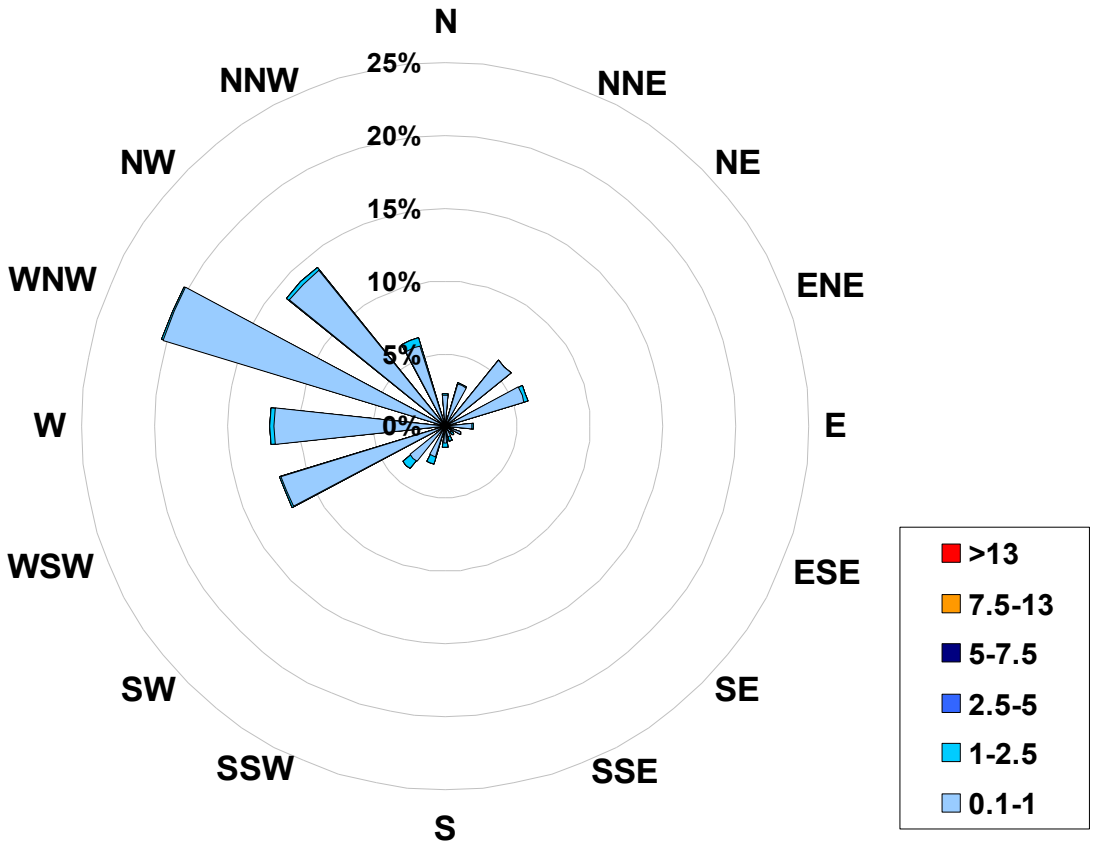


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0.1	<	1	613
1	to	2.5	27
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			640

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

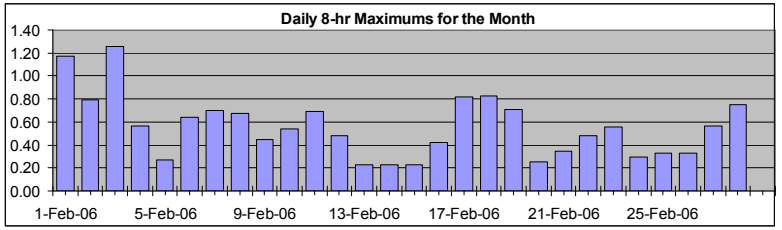
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	1.3	ppm	3-Feb	10:00 11:00



Percentile	99	95	75	50	25	5	1
	1.1	0.7	0.4	0.3	0.2	0.2	0.1

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-Feb-06	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.7	0.9	1.0	1.1	1.2	1.1	1.1	1.1	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.5	1.17
2-Feb-06	0.5	0.4	0.3	0.3	0.2	0.3	0.4	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.79
3-Feb-06	0.5	0.4	0.3	0.3	0.3	0.4	0.6	0.8	1.1	1.2	1.3	1.2	1.2	1.1	1.0	0.8	0.5	0.4	0.4	0.3	0.5	0.5	0.6	0.6	1.26
4-Feb-06	0.6	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.56
5-Feb-06	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.27
6-Feb-06	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.64
7-Feb-06	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.70
8-Feb-06	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	N	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.68
9-Feb-06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.44
10-Feb-06	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.54
11-Feb-06	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.69
12-Feb-06	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.48
13-Feb-06	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	0.2	0.2	0.2	0.2	0.2	0.23
14-Feb-06	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	0.2	0.2	0.2	0.2	0.2	0.23
15-Feb-06	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	0.2	0.2	0.2	0.2	0.2	0.23
16-Feb-06	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.42
17-Feb-06	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.7	0.8	0.82
18-Feb-06	0.8	0.8	0.8	0.7	0.7	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.83
19-Feb-06	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.71
20-Feb-06	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	0.2	0.2	0.2	0.2	0.3	0.25
21-Feb-06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.34
22-Feb-06	0.3	0.3	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	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.48
23-Feb-06	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.56
24-Feb-06	0.3	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	0.2	0.2	0.2	0.3	0.3	0.3	0.30
25-Feb-06	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.33
26-Feb-06	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.33
27-Feb-06	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.56
28-Feb-06	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.75
Hourly Max	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.8	1.1	1.2	1.3	1.2	1.2	1.1	1.1	1.1	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.8	

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

HOURLY AVERAGE TABLE

Total Hydrocarbons (THC)

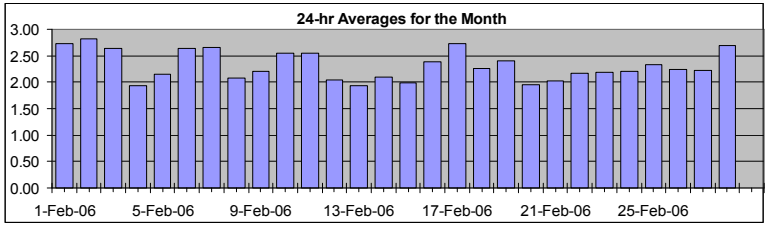
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	5.6	ppm	2-Feb	5:00 6:00
Maximum 24-hr Value:	2.8	ppm	2-Feb	



AIC Time:	33 hrs	Operational Time:	636 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.4	3.1	2.5	2.2	2.0	1.9	1.9	2.3 ppm	2.2 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-Feb-06	2.9	3.1	2.8	2.6	2.7	A	2.6	2.8	3.2	3.4	2.9	3.3	2.9	3.0	2.6	2.6	2.6	2.7	3.0	2.6	2.3	2.0	2.0	2.0	2.72	3.45
2-Feb-06	2.0	2.1	2.1	2.6	A	5.6	3.9	2.9	2.5	2.5	2.5	2.6	2.8	2.7	2.7	2.7	5.5	3.2	2.8	2.4	2.2	2.1	2.2	2.1	2.82	5.63
3-Feb-06	2.1	2.3	2.5	A	3.3	3.9	3.4	3.6	3.4	2.9	2.9	2.5	2.2	2.1	2.1	2.1	2.1	2.5	2.6	2.6	2.7	2.6	2.2	2.1	2.65	3.89
4-Feb-06	2.0	2.0	A	2.0	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.0	2.0	2.0	2.0	1.94	2.04
5-Feb-06	2.0	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.3	2.15	2.28
6-Feb-06	A	2.7	2.4	2.4	2.4	2.5	2.6	2.5	2.7	2.8	2.9	2.8	2.7	2.5	2.7	2.7	2.8	2.8	2.8	2.6	2.6	2.5	2.6	2.7	2.64	2.86
7-Feb-06	2.8	2.9	3.0	2.8	2.9	A	2.7	2.9	2.9	2.8	2.8	2.5	2.5	2.3	2.3	2.4	2.3	2.5	2.6	2.4	2.6	2.8	2.9	2.5	2.66	2.98
8-Feb-06	2.8	2.6	2.3	1.9	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	C	C	C	A	A	2.0	2.0	2.0	2.1	2.0	2.0	2.09	2.81
9-Feb-06	2.0	2.0	2.0	2.0	2.0	A	2.0	2.1	2.2	2.5	2.3	2.1	2.2	2.1	2.0	2.1	2.1	2.2	2.3	2.2	2.2	2.5	2.7	2.8	2.20	2.84
10-Feb-06	2.9	2.8	2.8	2.8	A	2.5	2.7	2.9	2.8	3.0	2.9	2.7	2.2	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.4	2.55	3.03
11-Feb-06	2.5	2.2	2.1	A	2.2	2.4	2.5	3.1	3.3	3.1	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.7	2.5	2.5	2.5	2.9	3.0	3.0	2.55	3.32
12-Feb-06	3.2	2.9	A	2.1	2.0	2.0	2.0	2.0	2.0	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	1.9	2.05	3.18
13-Feb-06	1.9	A	1.9	1.9	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	1.9	2.0	2.0	2.0	1.94	2.03
14-Feb-06	A	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.0	A	2.1	2.10	2.16
15-Feb-06	A	2.1	2.1	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	2.1	2.1	2.1	2.2	A	1.99	2.16
16-Feb-06	2.2	2.2	2.3	2.2	2.4	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.3	2.3	A	2.9	2.38	2.85
17-Feb-06	2.8	2.7	2.7	2.9	3.1	2.9	3.2	3.3	3.3	3.1	2.7	2.6	2.6	2.5	2.4	2.5	2.1	2.1	2.3	2.5	2.6	A	2.9	2.6	2.73	3.34
18-Feb-06	2.4	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	A	A	2.0	2.0	2.0	2.0	2.4	2.3	2.4	A	2.8	3.0	2.27	2.99
19-Feb-06	3.1	2.4	2.8	2.9	2.9	2.9	3.2	3.3	2.9	2.7	2.5	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.41	3.34
20-Feb-06	2.0	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9	A	2.0	2.0	2.0	1.9	1.95	2.04
21-Feb-06	1.9	2.0	2.0	2.2	2.1	2.0	2.0	2.1	2.2	2.1	2.0	1.9	2.0	1.9	2.0	1.9	1.9	2.0	A	2.0	2.0	2.0	2.0	2.0	2.02	2.20
22-Feb-06	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.4	2.4	2.16	2.53
23-Feb-06	2.2	2.2	2.2	2.3	2.3	A	2.7	2.9	2.9	2.5	2.0	2.1	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.19	2.94
24-Feb-06	2.1	2.2	2.2	2.2	2.2	A	2.3	2.3	2.4	2.4	2.2	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.3	2.3	2.3	2.3	2.2	2.3	2.20	2.41
25-Feb-06	2.4	2.3	2.3	2.4	2.4	A	2.5	2.5	2.7	2.6	2.6	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.32	2.75
26-Feb-06	2.1	2.1	2.1	2.1	A	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.4	2.4	2.2	2.25	2.37
27-Feb-06	2.2	2.2	2.2	A	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.2	2.3	2.5	2.6	2.8	3.2	2.23	3.20
28-Feb-06	3.1	2.6	A	2.8	3.1	3.2	3.1	3.1	3.2	3.3	2.7	2.7	2.5	2.4	2.4	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.70	3.31
Hourly Avg	2.4	2.3	2.3	2.3	2.4	2.5	2.4	2.5	2.5	2.5	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3		
Hourly Max	3.2	3.1	3.0	2.9	3.3	5.6	3.9	3.6	3.4	3.4	2.9	3.3	2.9	3.0	2.7	2.7	5.5	3.2	3.0	2.6	2.7	2.9	3.0	3.2		

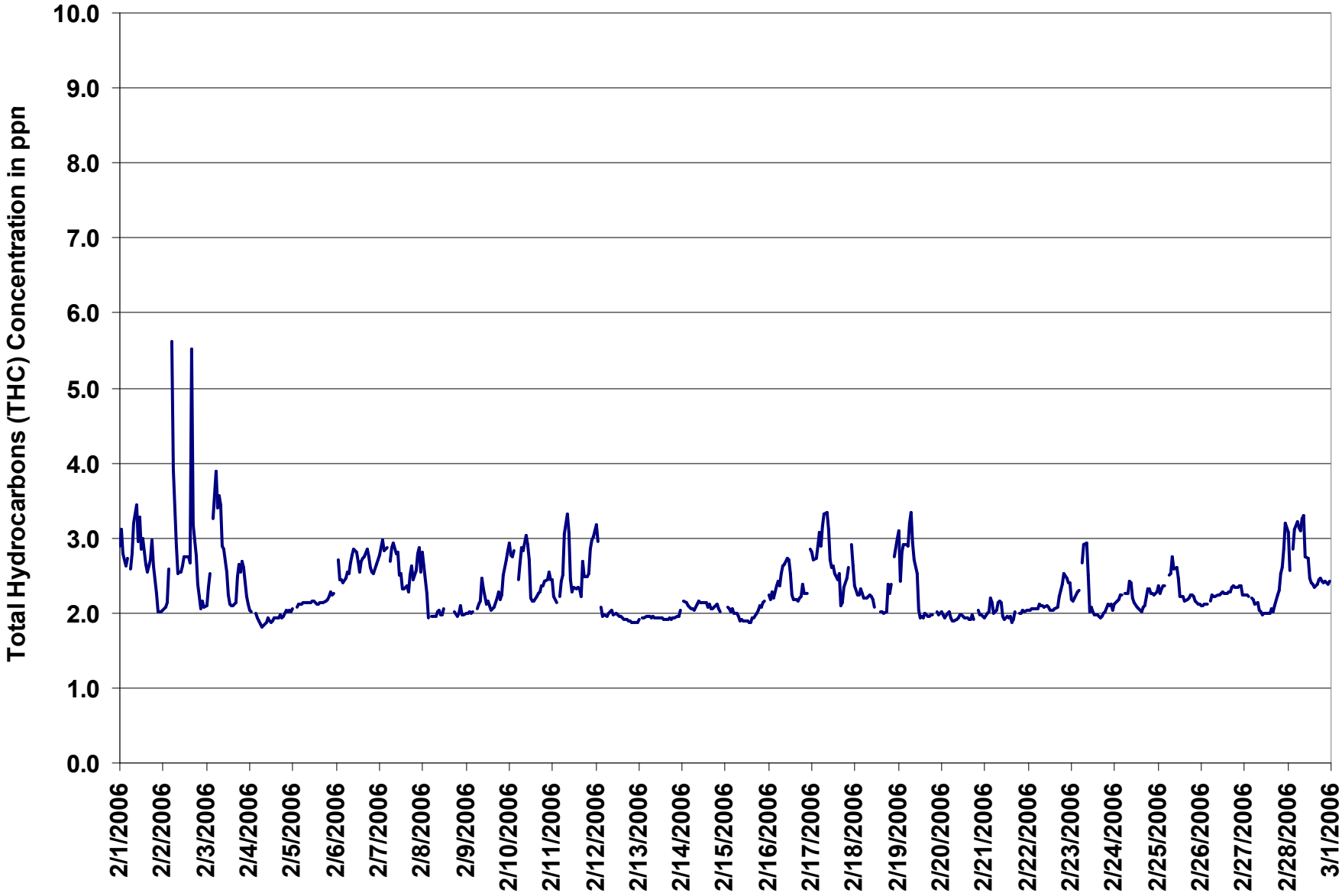


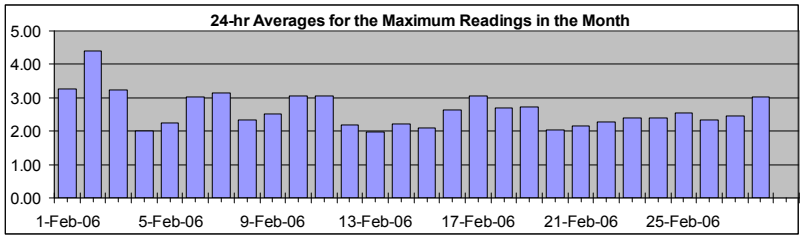
Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	24.9	ppm	2-Feb	16:00 17:00
Maximum 24-hr Value:	4.4	ppm	2-Feb	

AIC Time:	33 hrs	Operational Time:	636 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	5.2	4.0	2.9	2.4	2.1	2.0	1.9	2.6 ppm	2.4 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-Feb-06	3.1	5.6	3.9	3.7	3.2	A	2.9	3.4	4.1	3.8	3.5	4.2	4.1	3.2	2.9	2.6	2.9	3.3	3.5	2.8	2.5	2.1	2.1	2.1	3.28	5.57
2-Feb-06	2.4	2.1	2.4	4.1	A	9.4	7.1	4.6	4.2	3.0	2.7	2.8	2.8	2.9	3.0	2.8	24.9	4.8	3.3	2.7	2.4	2.2	2.3	2.2	4.40	24.86
3-Feb-06	2.3	2.5	2.9	A	5.2	5.7	4.3	4.6	4.3	3.4	3.6	2.8	2.5	2.2	2.1	2.1	2.2	4.5	3.7	3.0	3.1	2.9	2.4	2.2	3.24	5.71
4-Feb-06	2.1	2.1	A	2.1	2.0	2.0	1.9	1.9	1.9	1.9	2.2	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.01	2.24
5-Feb-06	2.1	A	2.1	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	3.0	2.4	2.4	2.5	2.4	2.25	3.03
6-Feb-06	A	4.9	2.7	3.6	2.5	2.8	3.0	3.0	2.8	2.9	3.0	3.0	3.0	2.6	2.9	2.9	2.9	3.6	3.3	2.8	2.8	2.7	2.9	2.8	3.01	4.90
7-Feb-06	2.9	3.0	3.1	3.0	3.2	A	2.8	3.4	3.3	3.3	3.4	2.7	2.6	2.5	2.4	2.5	2.4	3.8	4.0	2.8	3.5	3.4	5.1	3.4	3.15	5.12
8-Feb-06	3.8	3.0	3.0	2.0	A	2.0	2.0	2.0	2.1	2.4	2.0	2.0	2.3	C	C	C	A	A	2.4	2.0	2.4	2.4	2.0	2.0	2.32	3.81
9-Feb-06	2.1	2.0	2.1	2.1	2.1	A	2.1	2.3	3.8	3.2	2.8	2.2	2.2	2.2	2.1	2.1	2.1	2.5	2.5	2.2	2.3	3.4	3.3	3.9	2.50	3.88
10-Feb-06	4.1	3.9	3.6	4.6	A	2.9	3.2	3.1	3.2	3.4	3.1	3.1	2.3	2.3	2.3	2.4	2.4	2.5	2.8	3.0	2.9	2.7	3.1	3.3	3.05	4.58
11-Feb-06	3.2	2.6	2.5	A	2.5	3.1	3.2	4.0	4.0	3.6	3.1	2.4	2.4	2.5	2.5	2.5	2.4	3.3	2.9	4.0	2.7	3.1	4.0	3.7	3.06	4.05
12-Feb-06	3.9	3.5	A	2.3	2.0	2.0	2.0	2.2	2.2	2.3	2.1	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.19	3.93
13-Feb-06	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	1.98	2.11
14-Feb-06	A	3.3	2.3	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.1	2.2	2.1	2.2	A	2.1	2.21	3.35
15-Feb-06	A	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	2.2	2.0	2.1	2.2	2.2	2.2	2.5	2.2	A	2.08	2.51
16-Feb-06	2.6	2.7	3.0	2.5	2.8	2.9	2.4	2.7	2.7	2.7	2.8	2.8	2.7	2.4	2.2	2.3	2.2	2.5	2.7	3.0	2.7	2.7	A	2.9	2.65	2.99
17-Feb-06	3.0	2.9	3.1	3.2	3.9	3.1	3.4	3.5	3.4	3.5	2.9	2.7	2.8	2.6	2.5	2.7	2.3	2.2	2.8	2.9	3.3	A	4.2	3.2	3.05	4.16
18-Feb-06	3.1	2.4	2.8	2.6	2.4	2.3	2.3	2.3	2.4	2.3	2.6	3.0	A	A	2.0	2.0	2.0	2.1	4.8	2.5	2.7	A	2.9	4.7	2.69	4.78
19-Feb-06	4.2	2.8	3.6	3.9	3.2	3.4	4.2	3.6	3.2	3.1	2.8	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	A	2.1	2.0	2.1	2.74	4.23
20-Feb-06	2.2	2.2	2.0	2.2	2.3	2.1	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.0	1.9	2.0	2.1	2.0	A	2.1	2.0	2.0	2.0	2.05	2.34
21-Feb-06	2.0	2.1	2.2	2.4	2.3	2.2	2.1	2.3	2.2	3.0	2.2	2.0	2.0	2.0	2.0	1.9	2.0	2.2	A	2.0	2.1	2.1	2.1	2.1	2.16	2.95
22-Feb-06	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.5	2.4	2.4	2.5	2.9	2.8	2.5	2.7	2.28	2.87
23-Feb-06	2.3	2.2	2.4	2.5	2.7	A	2.8	3.4	3.2	3.0	2.1	3.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.4	2.6	2.2	2.40	3.42
24-Feb-06	2.4	2.4	2.4	2.5	2.4	A	2.4	2.3	2.5	2.5	2.4	2.2	2.1	2.1	2.1	2.1	2.1	2.2	3.3	2.9	2.5	2.4	2.3	2.5	2.39	3.33
25-Feb-06	2.6	2.5	2.5	2.6	2.6	A	2.6	2.7	5.2	2.7	2.7	2.6	2.4	2.3	2.3	2.2	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.56	5.18
26-Feb-06	2.2	2.2	2.2	2.2	A	2.4	2.3	2.3	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.6	2.5	2.4	2.4	2.4	2.3	2.35	2.57
27-Feb-06	2.3	2.3	2.2	A	2.2	2.2	2.2	2.3	2.1	2.1	2.0	2.0	2.1	2.0	2.0	2.3	2.1	2.2	2.3	2.5	3.7	3.0	4.4	4.0	2.47	4.44
28-Feb-06	4.2	2.8	A	4.0	3.9	4.6	3.6	3.3	3.5	3.6	3.0	3.1	2.8	2.5	2.6	2.4	2.5	2.6	2.5	2.5	2.4	2.5	2.5	2.5	3.03	4.59
Hourly Avg	2.8	2.8	2.6	2.7	2.7	3.0	2.8	2.8	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.3	3.1	2.6	2.7	2.5	2.5	2.5	2.7	2.7		
Hourly Max	4.2	5.6	3.9	4.6	5.2	9.4	7.1	4.6	5.2	3.8	3.6	4.2	4.1	3.2	3.0	2.9	24.9	4.8	4.8	4.0	3.7	3.4	5.1	4.7		

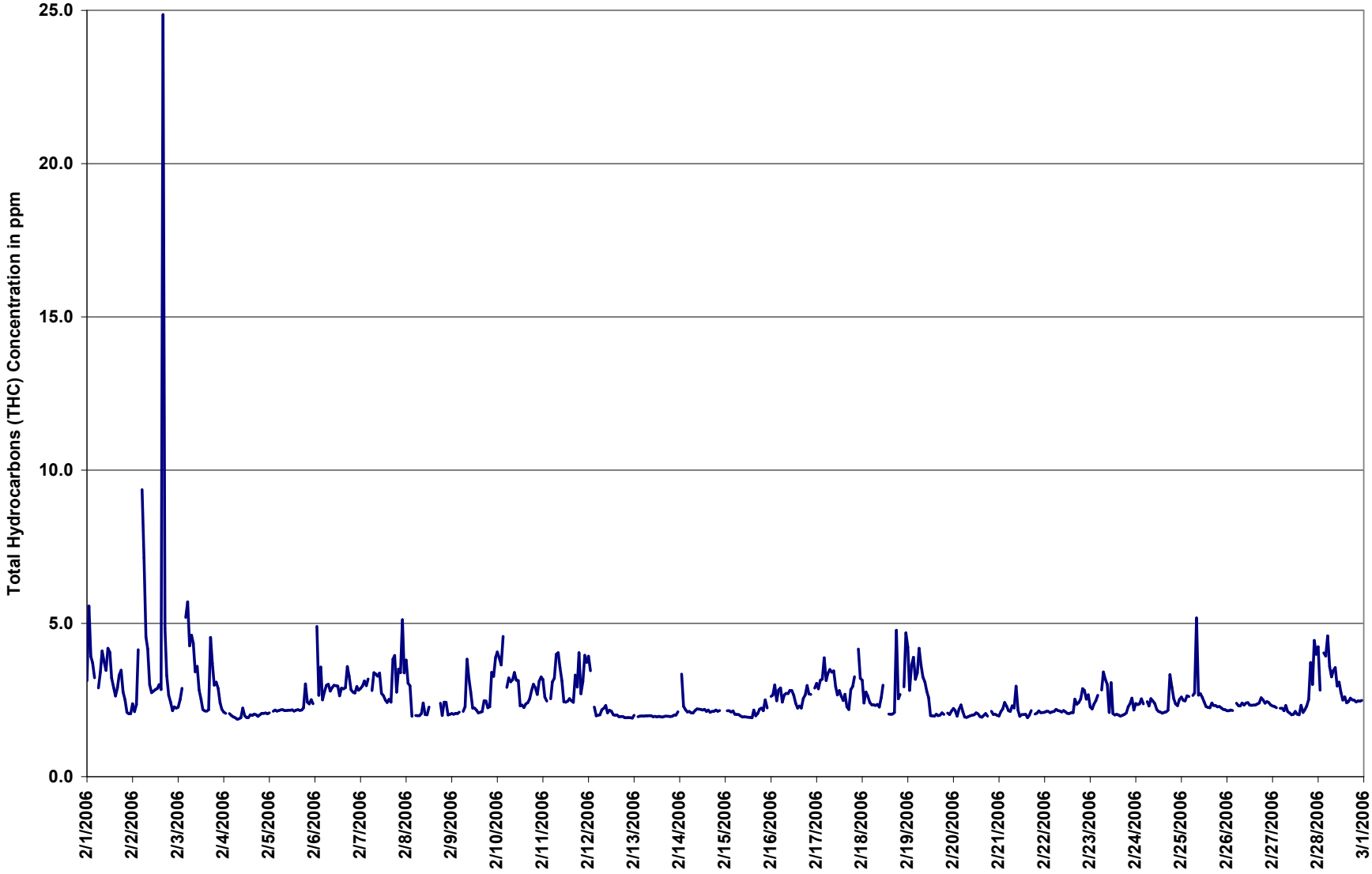
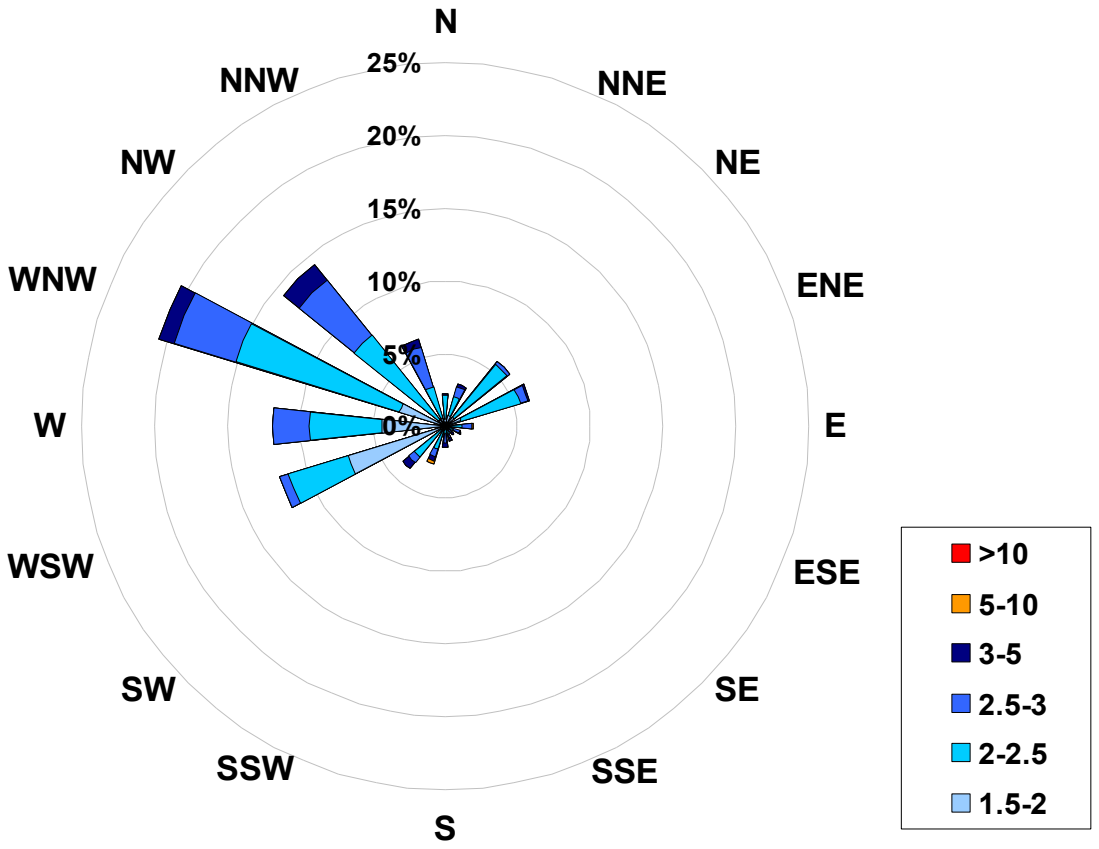


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of THC in ppm			
Range			Frequency (hrs)
1.5	<	2	130
2	to	2.5	334
2.5	to	3	137
3	to	5	33
5	to	10	2
	>	10	0
Total Non-Zero Values			636

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

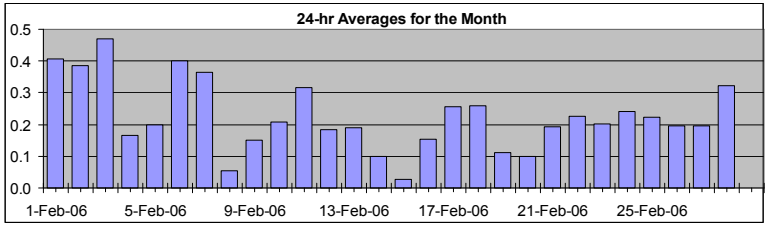
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006

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



Summary

Maximum 1-hr Average:	1.7	ppb	11-Feb	22:00 23:00
Maximum 24-hr Value:	0.5	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.9	0.6	0.3	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-Feb-06	0	0	0	0	0	A	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0.4	0.9
2-Feb-06	0	0	0	0	A	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0.4	0.7
3-Feb-06	0	0	0	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.2
4-Feb-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	0.4
5-Feb-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	0.2	0.3
6-Feb-06	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0.4	0.9
7-Feb-06	0	0	1	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.4	0.6
8-Feb-06	0	0	0	0	A	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0.1	0.3
9-Feb-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-Feb-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-Feb-06	0	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0.3	1.7
12-Feb-06	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.2
13-Feb-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	0.2	0.3
14-Feb-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	0.3
15-Feb-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	0.0	0.1
16-Feb-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
17-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	1	0.3	0.7
18-Feb-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	0.3	0.4
19-Feb-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	0.4
20-Feb-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
21-Feb-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	0.2	0.4
22-Feb-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	0.2	0.4
23-Feb-06	0	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7
24-Feb-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	0.5
25-Feb-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
26-Feb-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
27-Feb-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.2	0.7
28-Feb-06	1	0	A	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
Hourly Avg	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3		
Hourly Max	1.2	0.6	0.5	0.4	0.7	0.5	0.7	0.9	1.2	1.0	0.7	0.7	0.5	0.4	0.4	0.8	0.7	0.9	0.7	0.5	0.6	1.2	1.7	1.4		

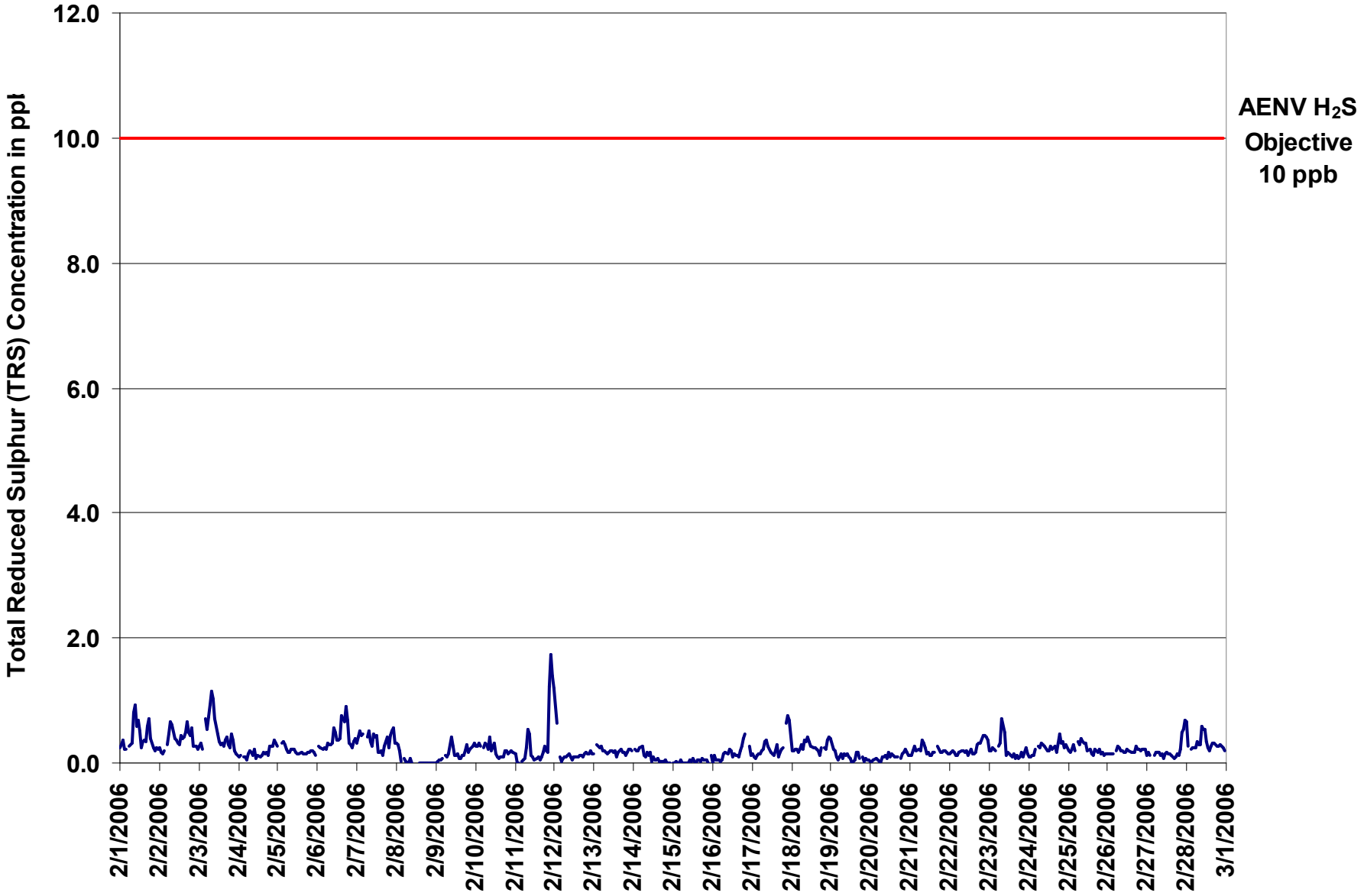


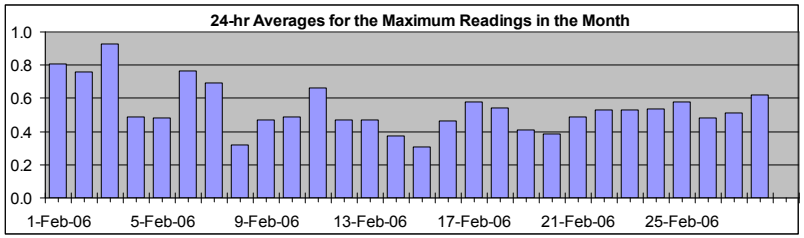
Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	2.6	ppb	3-Feb	9:00 10:00
Maximum 24-hr Value:	0.9	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.8	1.0	0.6	0.5	0.4	0.3	0.2	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-Feb-06	1	1	1	0	1	A	1	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0.8	2.0
2-Feb-06	1	0	1	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2
3-Feb-06	1	1	1	A	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.9	2.6
4-Feb-06	0	0	A	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	1	1	1	1	1	0.5	0.7
5-Feb-06	0	A	1	1	1	1	0	0	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0.5	0.8
6-Feb-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0.8	1.8
7-Feb-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.7	0.9
8-Feb-06	1	0	0	0	A	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0.3	0.6
9-Feb-06	0	0	0	0	0	A	0	0	1	1	1	0	1	0	0	0	0	0	0	1	0	0	1	1	0.5	0.8
10-Feb-06	1	0	1	1	A	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0.5	0.7
11-Feb-06	0	0	0	A	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	0	0	2	2	2	0.7	2.5
12-Feb-06	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.4
13-Feb-06	0	A	1	0	1	1	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	1	0	1	0.5	0.6
14-Feb-06	A	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.6
15-Feb-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	0.3	0.4
16-Feb-06	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	A	1	0	0.5	0.8
17-Feb-06	0	0	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	0	1	A	1	1	1	0.6	1.2
18-Feb-06	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	A	0	0	1	1	0.5	0.7
19-Feb-06	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.4	0.6
20-Feb-06	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.4	0.5
21-Feb-06	1	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	A	1	0	1	0	1	1	0	0.5	0.7
22-Feb-06	0	1	0	0	1	0	0	1	0	1	1	0	0	0	1	0	0	1	1	1	1	1	1	1	0.5	0.9
23-Feb-06	1	0	1	1	0	A	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0.5	1.1
24-Feb-06	0	0	0	0	1	A	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0.5	0.9
25-Feb-06	0	0	2	1	0	A	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.6	2.3
26-Feb-06	0	0	1	0	A	0	1	1	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0.5	0.7
27-Feb-06	0	0	0	A	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0.5	1.0
28-Feb-06	1	1	A	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	0	0.6	1.1
Hourly Avg	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.6		
Hourly Max	1.4	1.2	2.3	0.7	1.4	0.8	1.1	1.8	2.0	2.6	1.0	1.2	1.0	0.9	0.7	1.8	0.9	1.4	1.3	0.9	1.0	2.5	2.2	1.6		

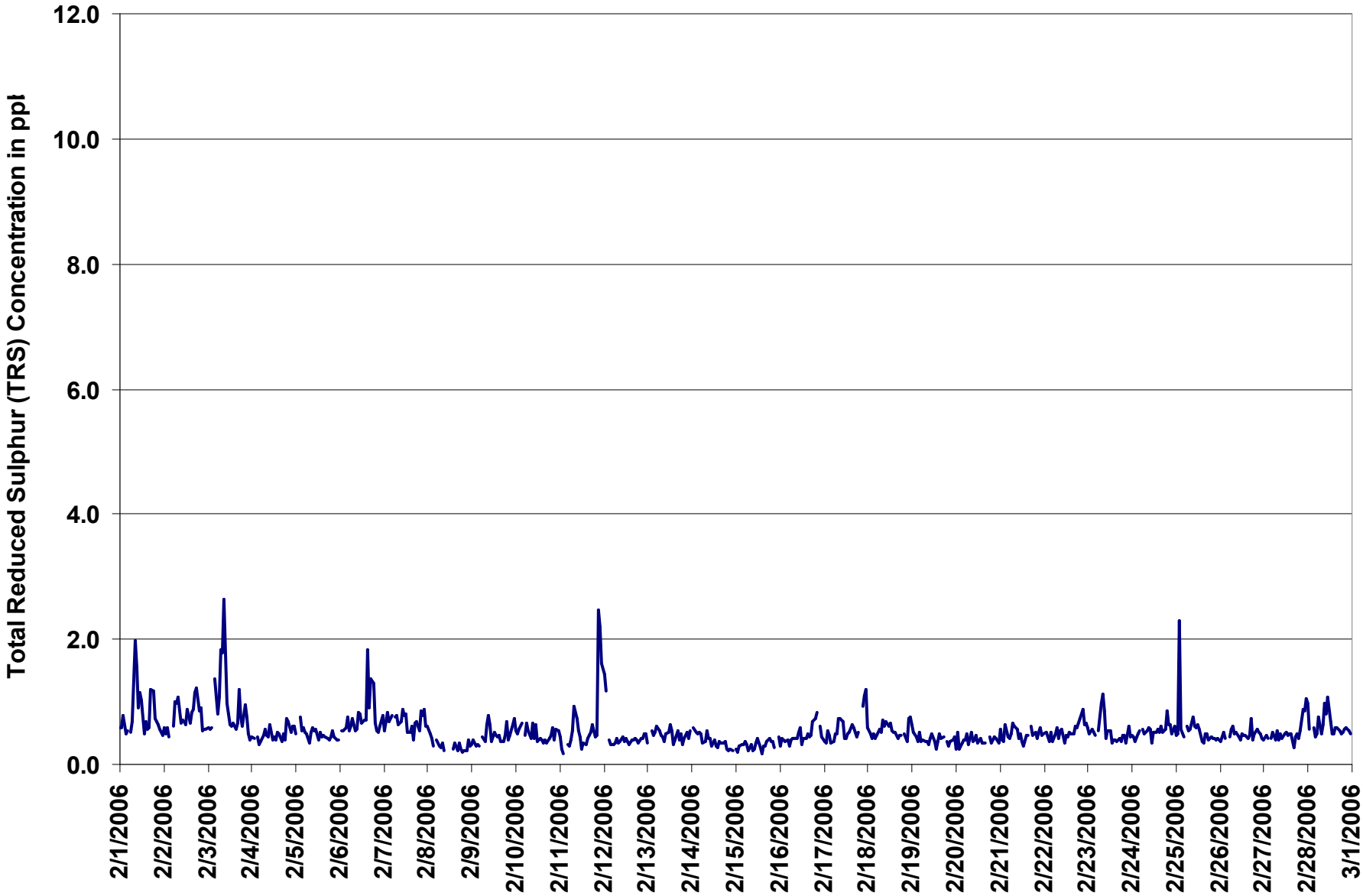
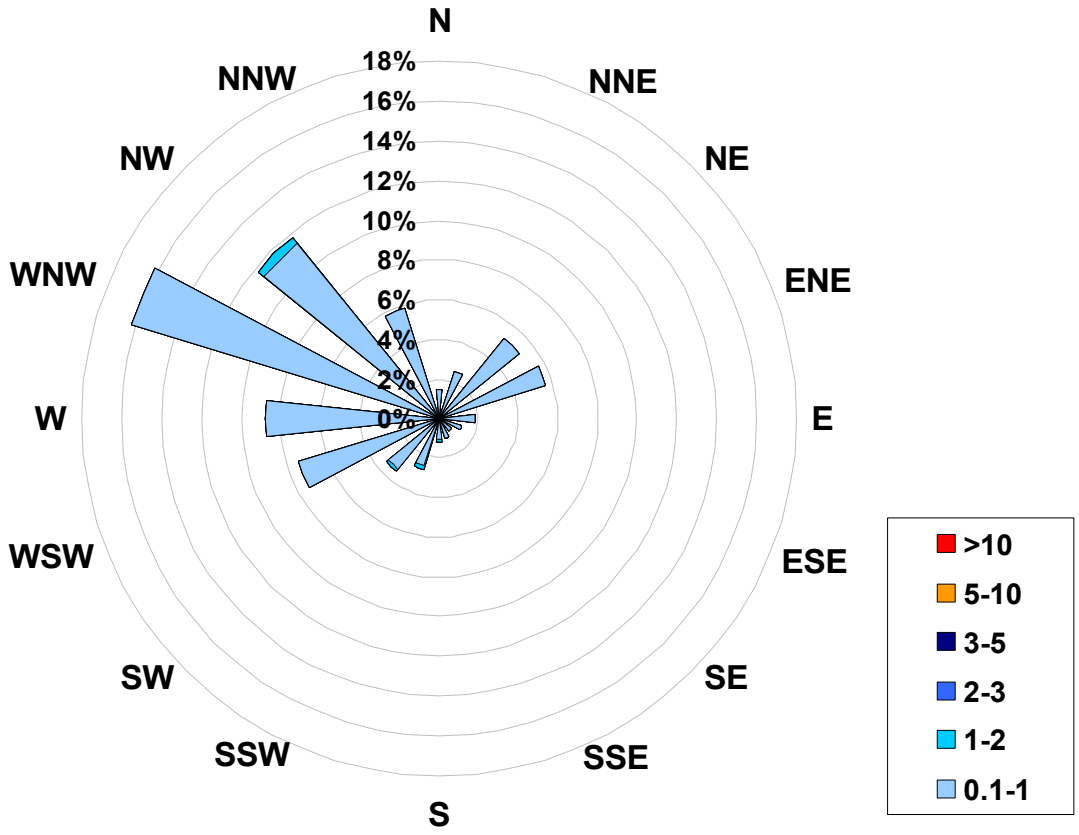


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	634
1	to	2	6
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			640

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

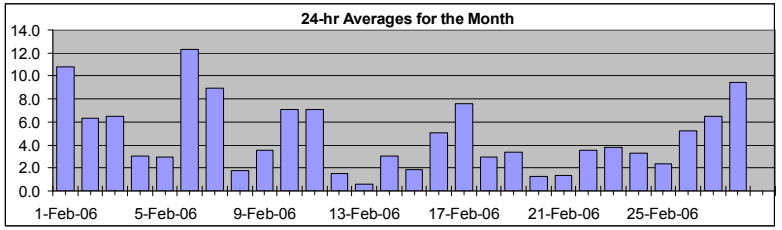
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 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:	30.3	µg/m³	6-Feb	17:00 18:00
Maximum 24-hr Value:	12.3	µg/m³	6-Feb	

AIC Time:	0 hrs	Operational Time:	665 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.4%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	21.8	15.0	6.7	3.4	1.3	0.0	0.0	4.8 5 µg/m³	3.8 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-Feb-06	2	4	7	4	5	6	7	9	15	21	8	21	25	15	18	16	16	20	25	13	4	0	0	0	10.8	25.3
2-Feb-06	0	0	2	1	3	7	9	9	8	4	6	8	5	15	14	13	17	13	9	5	2	0	0	0	6.3	17.3
3-Feb-06	2	5	5	5	11	16	15	15	21	14	11	9	3	0	0	0	0	2	3	4	7	8	0	0	6.5	21.1
4-Feb-06	D	D	0	0	0	0	0	0	1	0	5	3	4	3	5	4	7	6	5	5	5	4	4	5	3.1	7.4
5-Feb-06	6	4	3	2	3	3	2	2	2	3	3	2	2	1	2	2	2	2	5	2	4	3	4	7	3.0	6.8
6-Feb-06	9	8	8	6	7	4	8	6	5	8	17	16	13	9	14	23	26	30	25	13	11	9	9	11	12.3	30.3
7-Feb-06	12	12	12	11	11	10	7	10	7	6	8	10	10	4	5	5	5	9	10	7	8	12	14	9	9.0	14.3
8-Feb-06	16	8	6	0	0	D	0	0	1	1	0	0	0	0	1	C	C	C	0	0	0	1	0	1	1.8	15.7
9-Feb-06	1	1	0	0	0	1	1	2	4	12	7	3	2	0	0	1	2	3	5	8	4	7	10	11	3.5	11.5
10-Feb-06	6	5	3	4	4	2	5	5	6	12	5	10	4	2	4	7	7	8	12	16	14	6	9	13	7.1	15.7
11-Feb-06	4	3	1	0	1	3	6	11	20	17	8	6	5	6	6	5	6	12	13	13	7	4	6	6	7.0	20.2
12-Feb-06	7	9	2	0	0	0	0	0	2	3	3	3	2	1	1	1	0	0	0	0	0	0	0	1	1.5	9.1
13-Feb-06	0	1	0	D	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	4	1	1	1	1	0.6	3.6
14-Feb-06	5	2	1	4	4	4	2	1	3	2	2	2	2	3	3	1	2	2	4	5	5	5	4	4	3.0	5.3
15-Feb-06	4	3	1	0	2	1	0	1	1	0	0	0	2	1	0	3	2	3	3	2	2	3	3	6	1.8	6.0
16-Feb-06	3	3	3	2	4	4	3	4	7	7	5	6	7	5	4	4	3	6	8	11	10	5	4	2	5.1	10.9
17-Feb-06	4	2	1	2	6	2	4	8	11	14	12	4	4	5	5	10	3	3	7	10	14	19	17	14	7.6	18.9
18-Feb-06	4	1	2	2	3	3	4	3	5	4	3	1	0	0	0	1	0	0	3	4	4	5	11	12	3.0	11.6
19-Feb-06	15	10	8	7	4	4	5	6	6	7	6	0	0	0	0	2	0	0	0	0	0	0	0	0	3.4	15.1
20-Feb-06	1	1	0	1	2	1	2	4	3	2	1	1	0	1	0	1	1	2	2	2	2	0	0	0	1.2	3.7
21-Feb-06	0	0	1	3	1	2	2	4	2	1	0	0	1	1	3	0	2	3	2	2	2	0	1	1	1.4	3.7
22-Feb-06	0	0	1	2	2	2	2	2	3	1	1	1	0	0	0	4	4	6	6	7	11	10	8	9	3.5	10.6
23-Feb-06	4	3	2	3	3	3	3	9	16	11	0	1	2	2	1	2	3	2	3	4	4	3	4	3	3.8	15.5
24-Feb-06	2	3	2	2	2	3	2	2	5	5	3	3	3	1	1	2	2	3	7	7	8	5	3	3	3.3	7.6
25-Feb-06	3	2	3	3	2	3	4	4	7	6	5	4	2	1	0	0	0	0	1	2	2	0	1	1	2.4	7.0
26-Feb-06	3	3	2	2	2	2	3	3	4	5	5	6	7	6	7	8	10	8	8	7	6	6	7	6	5.2	9.7
27-Feb-06	5	5	4	4	3	3	3	3	2	3	3	4	5	6	7	7	7	6	7	9	11	14	15	19	6.5	19.5
28-Feb-06	20	8	6	6	7	8	11	10	14	25	20	17	6	6	6	6	7	7	8	7	6	6	6	5	9.4	24.6
Hourly Avg	5.1	3.9	3.1	2.9	3.4	3.5	3.9	4.8	6.5	7.0	5.2	5.0	4.1	3.4	3.9	4.8	5.0	5.9	6.6	6.0	5.4	4.8	5.0	5.3		
Hourly Max	19.7	11.6	11.7	10.9	11.5	16.2	14.7	15.4	21.1	24.6	20.2	21.4	24.6	15.3	17.6	22.6	25.6	30.3	25.3	15.7	14.1	18.9	16.9	19.5		

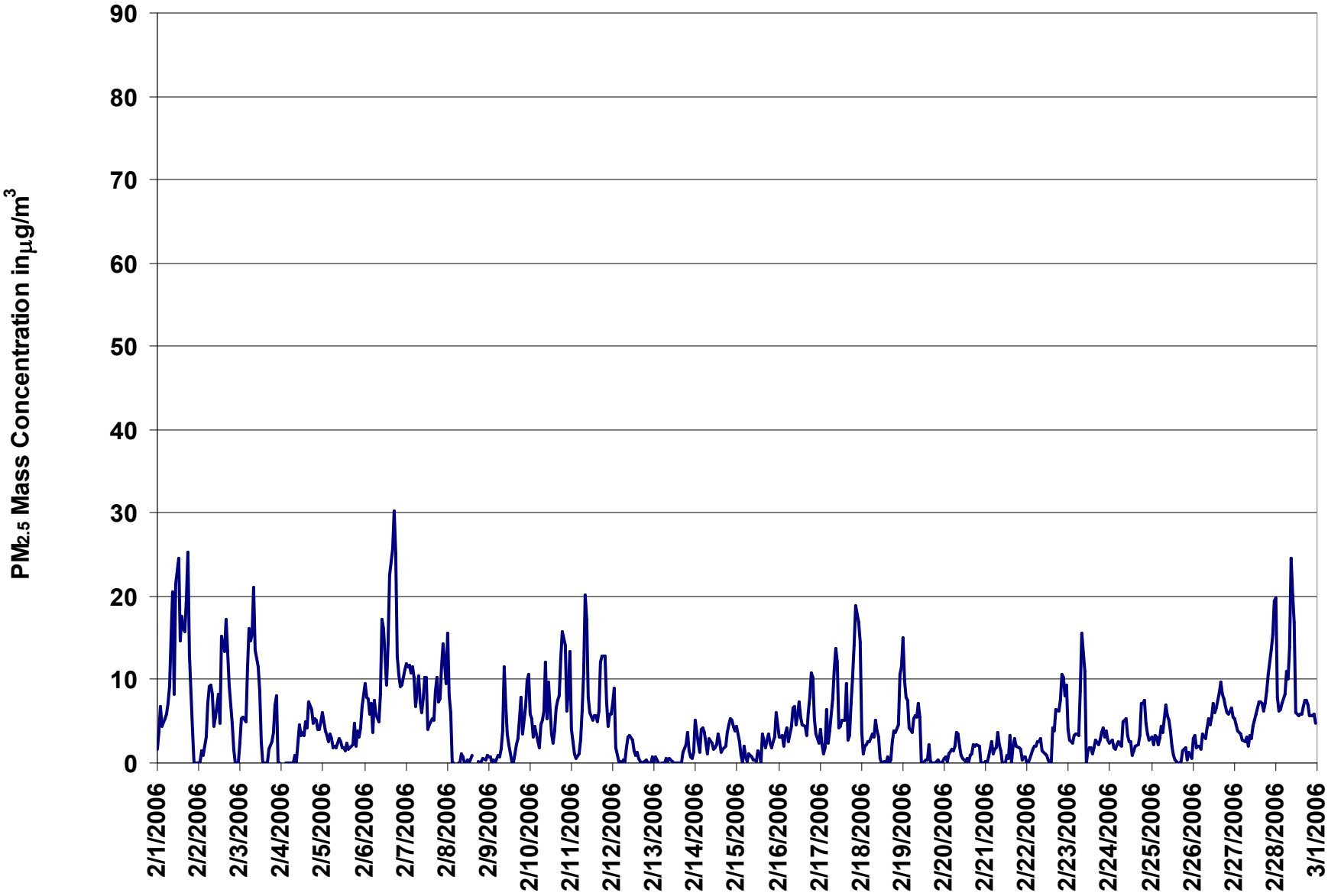


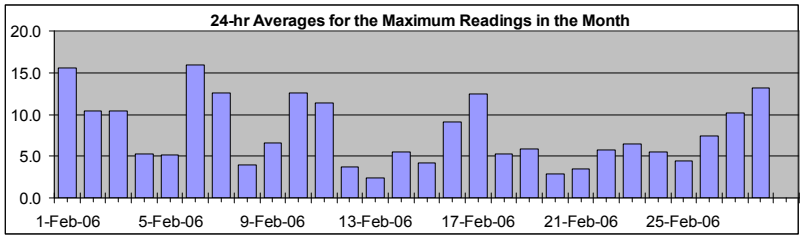
Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	39.9	µg/m³	1-Feb	12:00 13:00
Maximum 24-hr Value:	16.0	µg/m³	6-Feb	

AIC Time:	0 hrs	Operational Time:	665 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.4%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	30.2	21.7	10.6	5.6	3.2	1.4	0.4	7.8 / 8 µg/m˘	6.8 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-Feb-06	4	7	14	7	7	7	11	13	18	25	23	35	40	20	20	19	18	27	29	21	9	0	0	1	15.6	39.9
2-Feb-06	1	2	3	3	6	13	13	14	14	8	10	14	8	20	19	15	27	23	21	9	3	2	1	1	10.5	27.0
3-Feb-06	6	7	7	7	25	22	18	24	26	20	16	14	9	0	2	0	1	3	5	5	12	13	6	2	10.5	26.0
4-Feb-06	D	D	1	1	3	2	4	1	3	3	8	5	6	5	7	6	12	12	6	8	7	6	6	6	5.3	12.3
5-Feb-06	7	8	5	5	5	5	4	4	3	4	4	5	4	3	4	4	3	4	10	5	6	6	6	10	5.1	10.1
6-Feb-06	14	11	10	8	11	6	11	8	7	13	21	21	16	13	17	26	30	35	33	16	13	12	14	14	16.0	35.3
7-Feb-06	15	14	14	13	15	13	9	14	10	12	13	14	14	7	7	11	11	12	14	9	11	14	17	16	12.5	17.2
8-Feb-06	25	11	10	2	0	D	0	3	3	3	1	1	2	2	3	C	C	C	3	1	2	1	3	2	3.9	25.3
9-Feb-06	2	2	1	2	2	2	2	4	11	14	10	6	4	3	2	3	4	6	8	13	6	15	16	17	6.5	16.8
10-Feb-06	10	12	7	8	5	7	9	8	10	18	14	17	5	6	7	11	12	10	18	23	26	10	11	36	12.5	35.6
11-Feb-06	6	4	3	3	3	4	13	18	28	22	18	10	8	9	8	9	14	16	20	23	9	6	10	8	11.4	27.7
12-Feb-06	10	13	5	3	4	1	3	3	3	6	5	5	3	3	3	2	2	2	2	2	3	1	1	5	3.7	12.8
13-Feb-06	2	3	1	D	1	1	1	3	2	2	2	1	2	2	2	2	3	3	4	9	6	2	2	3	2.4	8.6
14-Feb-06	13	7	4	6	6	5	5	3	6	5	4	3	4	6	5	3	3	4	6	7	8	8	6	6	5.5	12.6
15-Feb-06	7	5	2	2	6	3	2	4	2	2	2	1	3	3	3	6	4	4	5	5	4	5	5	16	4.2	16.1
16-Feb-06	7	10	6	5	11	11	5	9	11	10	9	11	13	8	7	6	6	9	10	14	15	12	8	5	9.1	15.3
17-Feb-06	8	6	4	5	14	6	7	19	18	19	17	7	7	7	7	14	5	6	13	14	24	24	25	24	12.5	24.5
18-Feb-06	7	3	3	5	5	4	5	5	7	5	4	3	1	2	1	3	2	2	5	6	6	8	16	20	5.3	20.4
19-Feb-06	21	12	12	9	7	6	9	9	7	9	7	8	2	2	2	4	2	2	2	1	2	1	3	2	5.9	20.9
20-Feb-06	2	3	2	2	3	3	4	6	6	3	2	2	3	3	1	3	2	4	5	4	3	2	0	0	2.9	6.2
21-Feb-06	4	2	3	6	5	5	3	5	4	5	1	1	2	2	7	2	4	5	4	4	4	2	2	2	3.5	7.4
22-Feb-06	1	2	3	3	4	3	4	5	5	4	2	2	1	2	2	5	6	11	8	11	14	17	10	11	5.7	16.7
23-Feb-06	9	5	4	5	7	5	5	19	20	17	2	3	3	3	3	4	4	4	4	5	7	5	6	5	6.4	20.1
24-Feb-06	5	4	3	4	4	4	4	4	8	7	5	5	4	3	3	3	3	5	11	12	15	7	5	5	5.5	14.6
25-Feb-06	5	4	5	5	4	5	6	5	12	8	8	7	5	3	2	2	2	2	2	4	3	3	3	3	4.4	11.6
26-Feb-06	5	6	4	4	4	3	6	5	8	8	7	9	10	7	8	12	11	11	10	9	8	7	8	8	7.5	11.7
27-Feb-06	8	6	6	6	5	6	5	5	4	5	7	7	8	9	11	10	11	12	12	11	22	21	23	26	10.2	26.0
28-Feb-06	26	12	9	8	11	12	16	13	19	35	30	23	11	9	9	8	8	10	9	8	8	8	7	6	13.1	35.3
Hourly Avg	8.5	6.7	5.4	5.0	6.5	6.1	6.5	8.3	9.8	10.4	9.1	8.6	7.1	5.8	6.2	7.1	7.8	9.0	10.1	9.2	9.2	7.8	7.9	9.3		
Hourly Max	25.7	14.0	13.8	12.8	25.1	21.9	17.8	23.7	27.7	35.3	30.3	34.7	39.9	19.5	19.6	26.0	30.2	35.3	32.9	23.2	25.6	24.4	24.5	35.6		

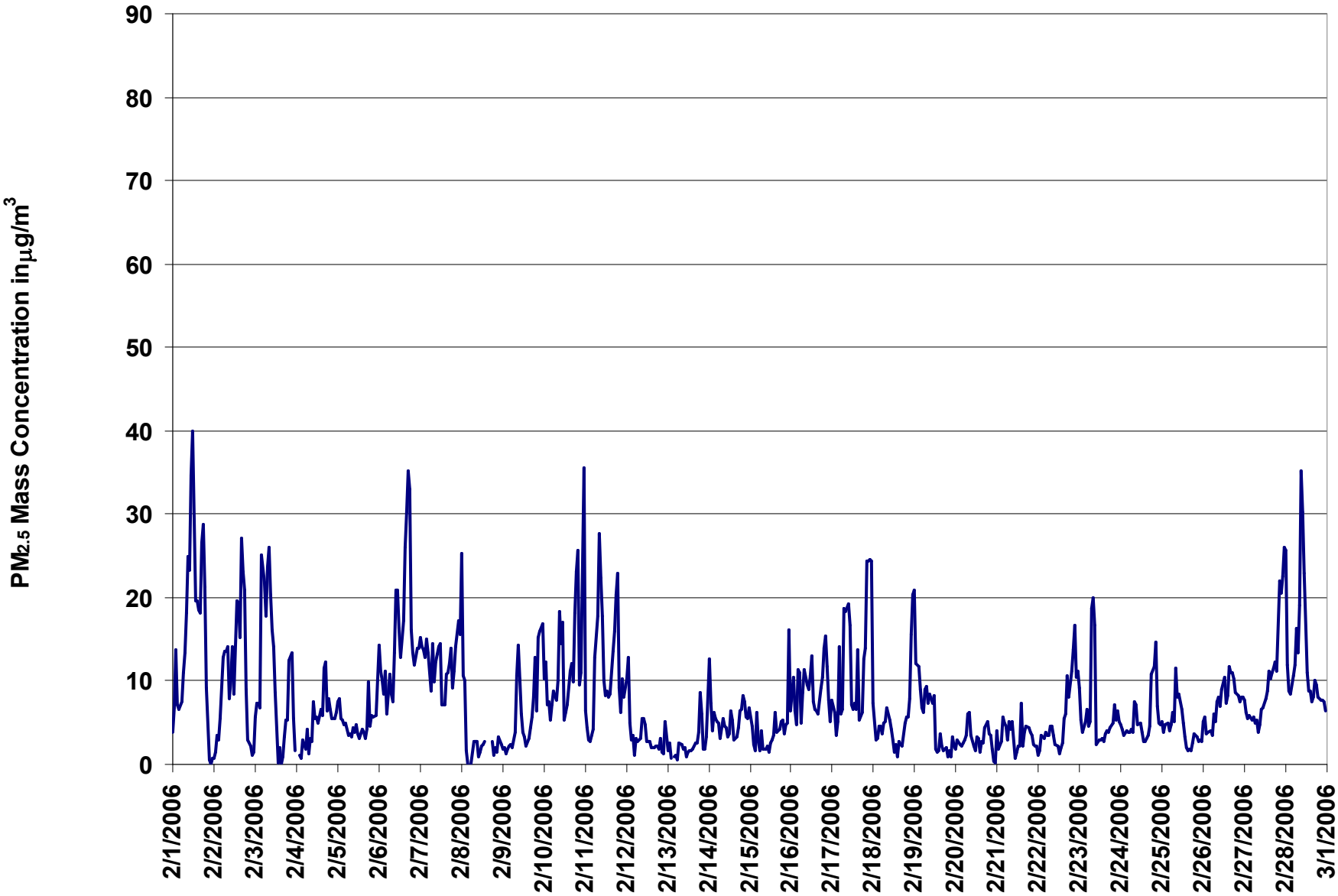
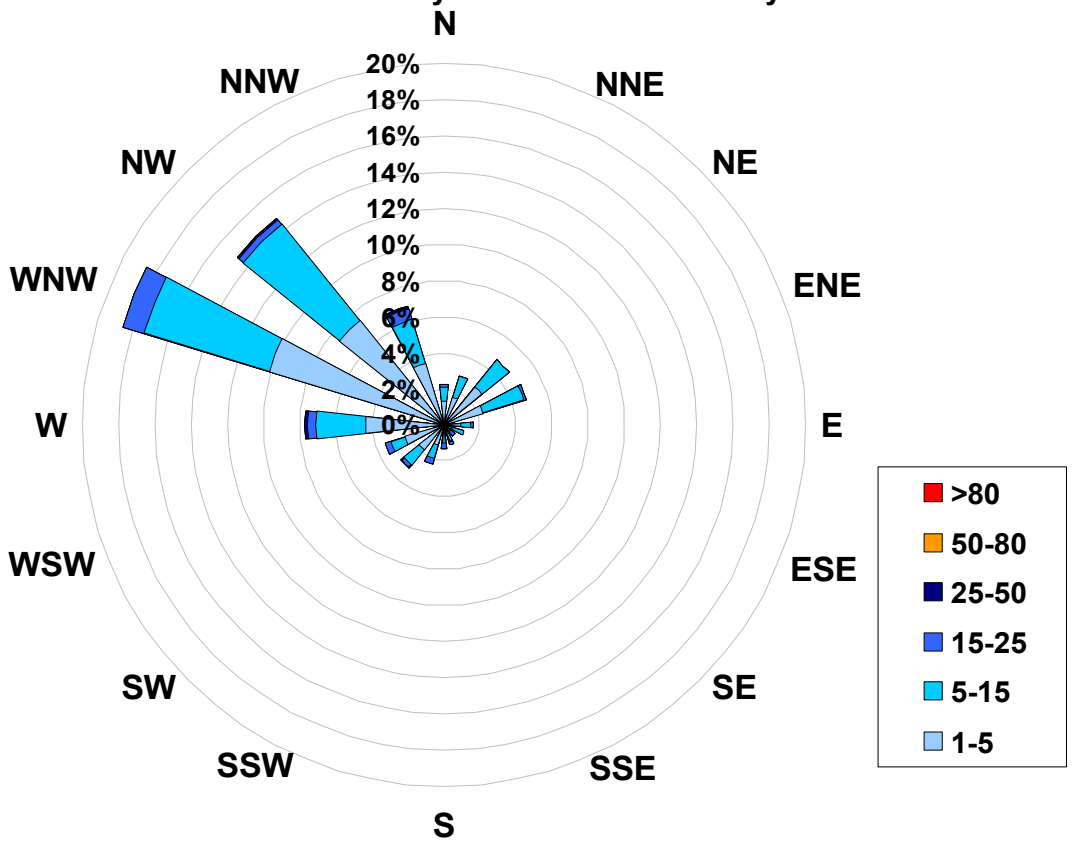


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 February 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	422
5	to	15	209
15	to	25	30
25	to	50	4
50	to	80	0
	>	80	0
Total Non-Zero Values			665

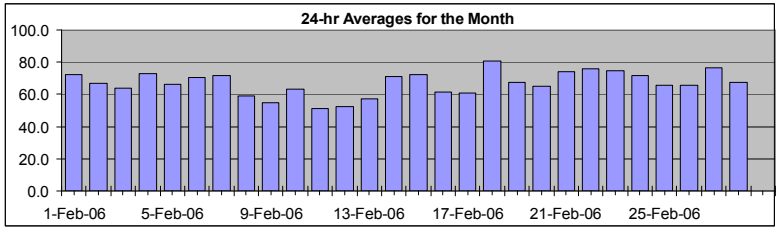
PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	88.5	%	18-Feb	21:00 22:00
Maximum 24-hr Value:	80.5	%	18-Feb	

AIC Time:	0 hrs	Operational Time:	672 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	87.3	84.7	77.0	68.1	57.5	45.0	38.1	66.9 %	68.1 %

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	24-hour Average	Daily Maximum
1-Feb-06	80	82	82	82	82	83	83	82	83	82	75	57	53	49	54	61	66	70	72	72	72	67	69	72	72.2	83.5
2-Feb-06	71	73	74	79	82	85	86	85	83	79	64	61	51	47	51	47	54	58	62	64	64	59	59	64	66.7	85.8
3-Feb-06	67	74	81	84	82	83	84	84	83	79	69	54	49	47	43	42	43	50	52	53	60	61	56	52	63.8	84.4
4-Feb-06	51	50	53	60	69	78	74	71	74	78	80	79	79	70	72	73	78	80	81	84	84	82	80	76	73.2	84.1
5-Feb-06	75	73	73	74	73	74	70	69	70	68	61	57	56	53	53	57	59	63	67	68	73	71	69	70	66.5	74.9
6-Feb-06	76	80	81	81	81	79	77	77	76	75	66	59	54	52	49	51	59	66	72	75	75	74	76	78	70.4	81.2
7-Feb-06	77	76	77	76	76	78	76	77	78	75	71	66	61	58	58	58	60	66	75	76	76	76	76	78	71.8	78.1
8-Feb-06	80	76	73	63	63	61	56	58	67	62	59	55	52	51	50	53	48	45	50	55	56	57	58	62	58.8	79.5
9-Feb-06	60	59	58	57	57	59	57	61	64	56	50	48	45	42	41	43	44	48	51	61	55	63	66	69	54.8	69.0
10-Feb-06	69	74	77	77	78	77	76	75	74	71	63	51	52	47	34	39	56	60	64	65	66	60	62	53	63.3	77.6
11-Feb-06	48	45	41	42	49	57	61	64	64	50	36	43	40	30	34	34	36	43	58	64	70	70	73	72	51.0	72.7
12-Feb-06	71	70	61	48	35	41	44	46	48	53	51	53	46	44	45	46	44	50	57	56	63	59	62	65	52.4	71.4
13-Feb-06	64	55	57	55	54	54	53	54	56	53	55	45	41	46	47	42	45	45	51	68	87	86	85	83	57.5	86.7
14-Feb-06	86	80	76	76	83	87	85	72	68	65	63	64	63	61	61	61	61	64	65	67	70	76	79	81	71.4	87.2
15-Feb-06	79	77	74	73	76	82	81	83	85	84	84	84	84	83	66	68	61	60	61	61	58	56	58	61	72.5	85.4
16-Feb-06	62	67	70	72	71	71	70	69	68	64	58	54	53	51	45	46	44	47	59	66	69	68	67	67	61.6	71.9
17-Feb-06	68	67	66	68	68	67	66	66	68	69	62	55	50	45	45	44	45	46	55	64	67	71	73	69	61.1	72.9
18-Feb-06	70	72	74	75	78	83	86	87	86	84	81	79	78	80	78	77	75	75	81	86	87	89	88	85	80.5	88.5
19-Feb-06	83	81	81	80	80	80	81	82	83	85	80	64	58	57	56	54	50	52	54	54	57	58	57	57	67.7	85.0
20-Feb-06	58	60	58	59	64	62	61	69	79	82	76	62	55	56	56	56	60	62	70	77	78	70	67	66	65.1	82.4
21-Feb-06	64	65	67	68	74	76	76	79	77	72	66	62	59	58	69	73	74	83	84	85	86	85	86	87	73.9	87.0
22-Feb-06	87	87	87	87	87	88	87	87	85	80	73	66	60	55	53	56	55	65	71	79	78	78	82	85	75.8	87.5
23-Feb-06	85	85	85	82	81	82	82	82	82	79	72	68	66	64	61	60	65	67	70	73	75	75	76	75	74.7	85.4
24-Feb-06	77	79	79	80	80	80	80	79	78	73	66	65	61	58	56	58	57	60	69	74	76	77	77	77	71.6	80.3
25-Feb-06	79	78	78	78	76	76	76	75	74	70	61	55	56	55	54	53	51	55	60	63	67	66	62	61	65.8	78.7
26-Feb-06	62	63	66	69	71	73	74	75	74	70	65	55	54	53	54	56	57	63	67	67	68	71	73	73	65.5	75.1
27-Feb-06	74	79	80	80	80	81	80	80	81	80	79	73	70	65	63	78	79	76	70	73	77	81	80	79	76.6	80.9
28-Feb-06	75	71	72	73	72	71	70	70	71	74	73	65	58	57	56	53	59	63	64	65	66	66	72	78	67.3	78.2
Hourly Avg	71.4	71.4	71.4	71.4	72.3	73.8	73.4	73.6	74.2	71.9	66.4	60.7	57.3	54.7	53.7	54.9	56.6	60.2	64.7	68.3	70.6	70.4	71.0	71.3		
Hourly Max	87.3	87.4	86.8	87.3	87.4	87.5	87.4	86.8	85.9	85.0	84.3	84.4	84.0	82.9	77.6	78.2	79.5	82.9	84.4	86.1	87.3	88.5	88.0	87.0		

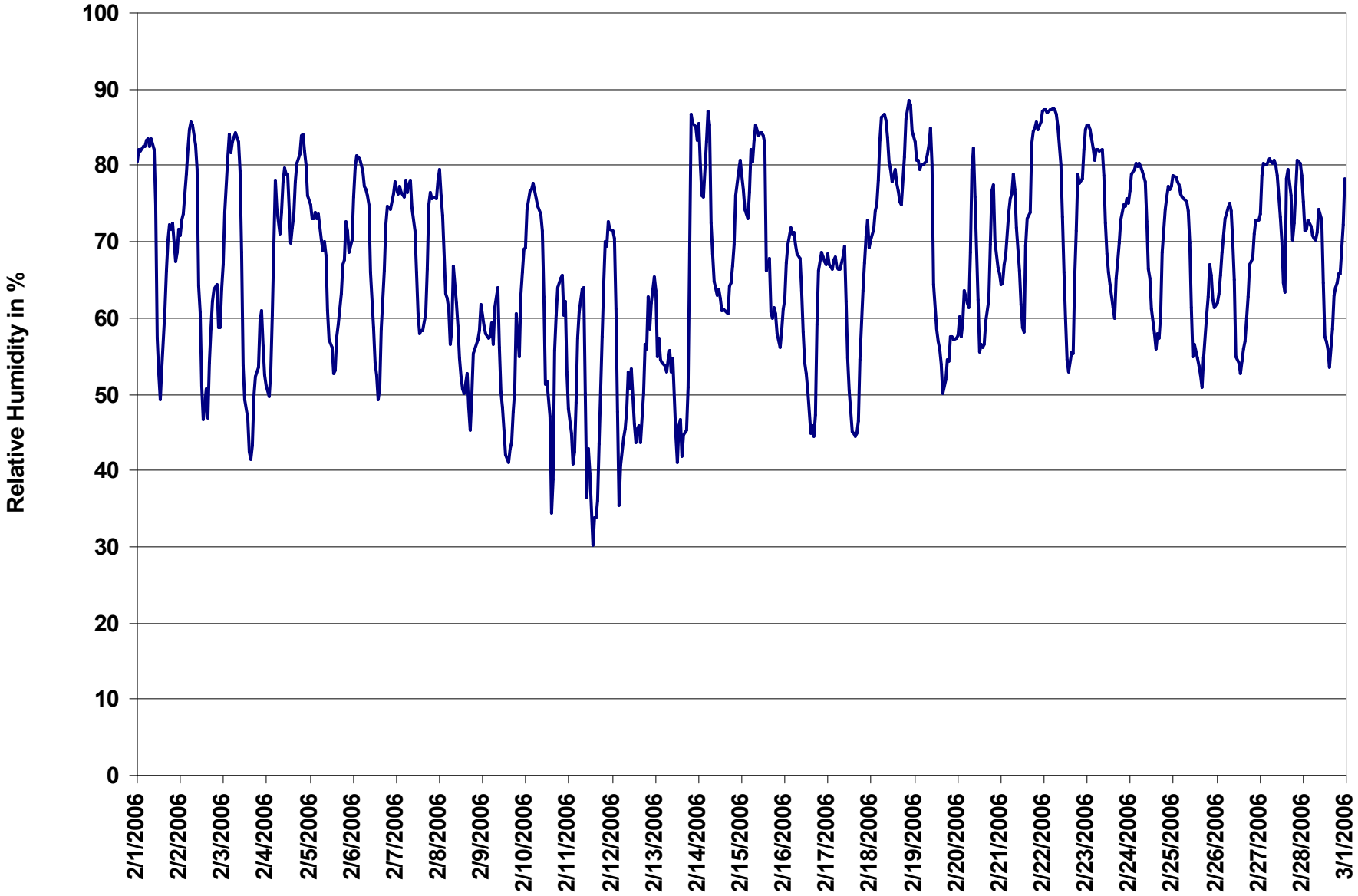


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

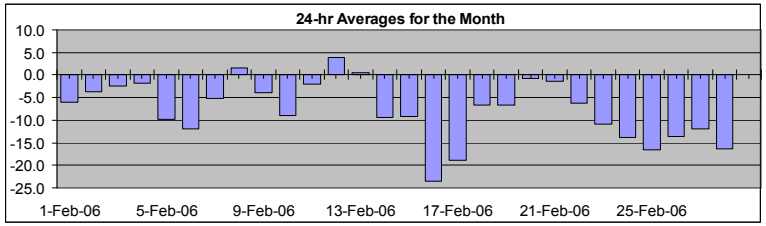
PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	9.2	°C	12-Feb	16:00 17:00
Maximum 24-hr Value:	4.0	°C	12-Feb	

AIC Time:	0 hrs	Operational Time:	672 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	6.8	3.7	-1.7	-7.6	-11.8	-21.9	-29.8	-7.7 °C	-7.6 °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-Feb-06	-16	-14	-14	-13	-12	-11	-10	-10	-11	-10	-7	-1	0	2	1	-2	-4	-5	-4	-2	-1	1	0	-1	-6.0	1.9
2-Feb-06	-3	-3	-3	-5	-7	-9	-10	-12	-14	-13	-8	-5	-3	1	1	3	1	0	0	-1	-1	1	1	-1	-3.8	3.0
3-Feb-06	-2	-5	-7	-7	-7	-8	-9	-9	-9	-7	-3	2	4	5	5	5	3	1	0	-1	-2	-2	-2	-2	-2.3	5.3
4-Feb-06	-2	-1	-2	-2	-1	-1	0	0	-1	-2	-2	-1	-1	1	1	1	-1	-1	-1	-3	-5	-6	-7	-7	-1.8	1.5
5-Feb-06	-8	-9	-10	-11	-11	-11	-12	-12	-13	-12	-11	-11	-10	-8	-7	-8	-8	-8	-9	-9	-10	-9	-9	-10	-9.8	-6.9
6-Feb-06	-12	-13	-14	-16	-16	-18	-18	-18	-18	-17	-12	-10	-7	-6	-4	-4	-6	-9	-11	-12	-12	-11	-12	-12	-12.0	-3.6
7-Feb-06	-11	-11	-10	-10	-10	-11	-9	-9	-10	-9	-6	-4	-2	-1	0	1	1	0	-1	-2	-2	-2	-2	-2	-5.1	0.9
8-Feb-06	-3	-1	1	4	3	3	3	2	1	2	3	4	5	5	5	4	3	3	1	0	-1	-2	-3	-2	1.6	4.6
9-Feb-06	-2	-2	-3	-3	-3	-4	-4	-6	-8	-5	-3	-1	1	2	2	2	1	-2	-4	-8	-8	-10	-11	-12	-3.9	1.7
10-Feb-06	-12	-14	-15	-15	-16	-18	-18	-18	-16	-13	-10	-4	-4	-2	3	1	-1	-3	-6	-7	-7	-6	-7	-5	-9.0	3.0
11-Feb-06	-4	-4	-3	-4	-6	-8	-8	-8	-8	-3	2	1	2	7	7	7	6	4	-1	-3	-5	-6	-7	-7	-2.0	7.3
12-Feb-06	-6	-5	-2	2	6	4	3	2	2	1	4	5	7	8	8	8	9	7	6	6	5	5	5	5	4.0	9.2
13-Feb-06	4	3	2	2	1	1	0	0	-1	1	0	4	4	3	2	4	1	1	-1	-2	-3	-4	-5	-7	0.5	4.3
14-Feb-06	-8	-7	-7	-5	-5	-5	-5	-8	-11	-12	-12	-12	-12	-12	-11	-11	-11	-11	-11	-11	-11	-10	-9	-9	-9.5	-4.6
15-Feb-06	-9	-9	-9	-9	-10	-10	-10	-9	-8	-6	-6	-5	-5	-4	-5	-5	-5	-8	-10	-12	-14	-16	-18	-19	-9.2	-4.5
16-Feb-06	-20	-23	-26	-26	-27	-27	-28	-30	-30	-26	-23	-19	-18	-17	-16	-16	-17	-18	-22	-23	-25	-29	-30	-31	-23.6	-15.7
17-Feb-06	-30	-30	-31	-30	-29	-30	-30	-30	-28	-23	-19	-19	-15	-11	-9	-6	-5	-5	-9	-12	-13	-13	-13	-11	-18.8	-4.7
18-Feb-06	-11	-9	-9	-9	-9	-9	-8	-7	-8	-6	-4	-4	-3	-3	-3	-3	-3	-3	-6	-7	-7	-8	-9	-11	-6.8	-2.8
19-Feb-06	-13	-16	-16	-17	-16	-16	-15	-14	-13	-10	-6	-2	0	1	2	2	3	1	-1	-2	-3	-3	-3	-3	-6.6	2.9
20-Feb-06	-3	-3	-2	-3	-3	-3	-2	-2	-2	-2	-1	1	2	2	2	2	2	1	1	0	-1	-1	-1	-1	-0.7	2.4
21-Feb-06	-1	-1	-2	-2	-3	-2	-2	-2	-2	-1	-1	0	2	2	1	1	0	-1	-2	-3	-3	-4	-4	-5	-1.4	2.4
22-Feb-06	-5	-6	-6	-6	-6	-6	-7	-7	-7	-6	-6	-5	-3	-2	-2	-3	-3	-6	-8	-10	-9	-11	-10	-9	-6.3	-2.2
23-Feb-06	-8	-8	-10	-11	-12	-13	-15	-15	-13	-12	-10	-9	-9	-8	-7	-7	-8	-10	-11	-11	-12	-13	-14	-13	-10.8	-7.0
24-Feb-06	-15	-15	-15	-15	-16	-15	-14	-15	-15	-14	-13	-11	-10	-9	-9	-9	-10	-11	-14	-15	-17	-18	-17	-18	-13.8	-8.8
25-Feb-06	-18	-19	-20	-19	-20	-21	-21	-21	-22	-19	-16	-12	-12	-10	-10	-11	-12	-13	-16	-17	-18	-17	-17	-16	-16.5	-10.2
26-Feb-06	-16	-16	-16	-16	-16	-17	-17	-18	-19	-17	-15	-10	-9	-9	-9	-10	-10	-12	-13	-13	-13	-13	-12	-12	-13.6	-9.3
27-Feb-06	-11	-11	-11	-11	-11	-11	-11	-12	-12	-11	-11	-9	-9	-8	-8	-10	-10	-11	-12	-14	-16	-17	-18	-19	-11.9	-7.9
28-Feb-06	-22	-27	-27	-26	-25	-26	-26	-27	-25	-19	-15	-12	-8	-8	-7	-7	-9	-11	-11	-11	-11	-11	-11	-11	-16.4	-7.0
Hourly Avg	-9.6	-10.1	-10.2	-10.1	-10.3	-10.7	-11.0	-11.3	-11.3	-9.7	-7.6	-5.4	-4.0	-2.8	-2.4	-2.5	-3.3	-4.6	-6.2	-7.3	-8.1	-8.4	-8.7	-9.0		
Hourly Max	4.3	3.4	2.2	4.1	6.0	4.2	2.8	2.4	1.8	1.7	3.9	4.6	7.3	8.3	8.2	8.1	9.2	7.4	5.6	6.2	4.6	5.4	5.3	4.8		

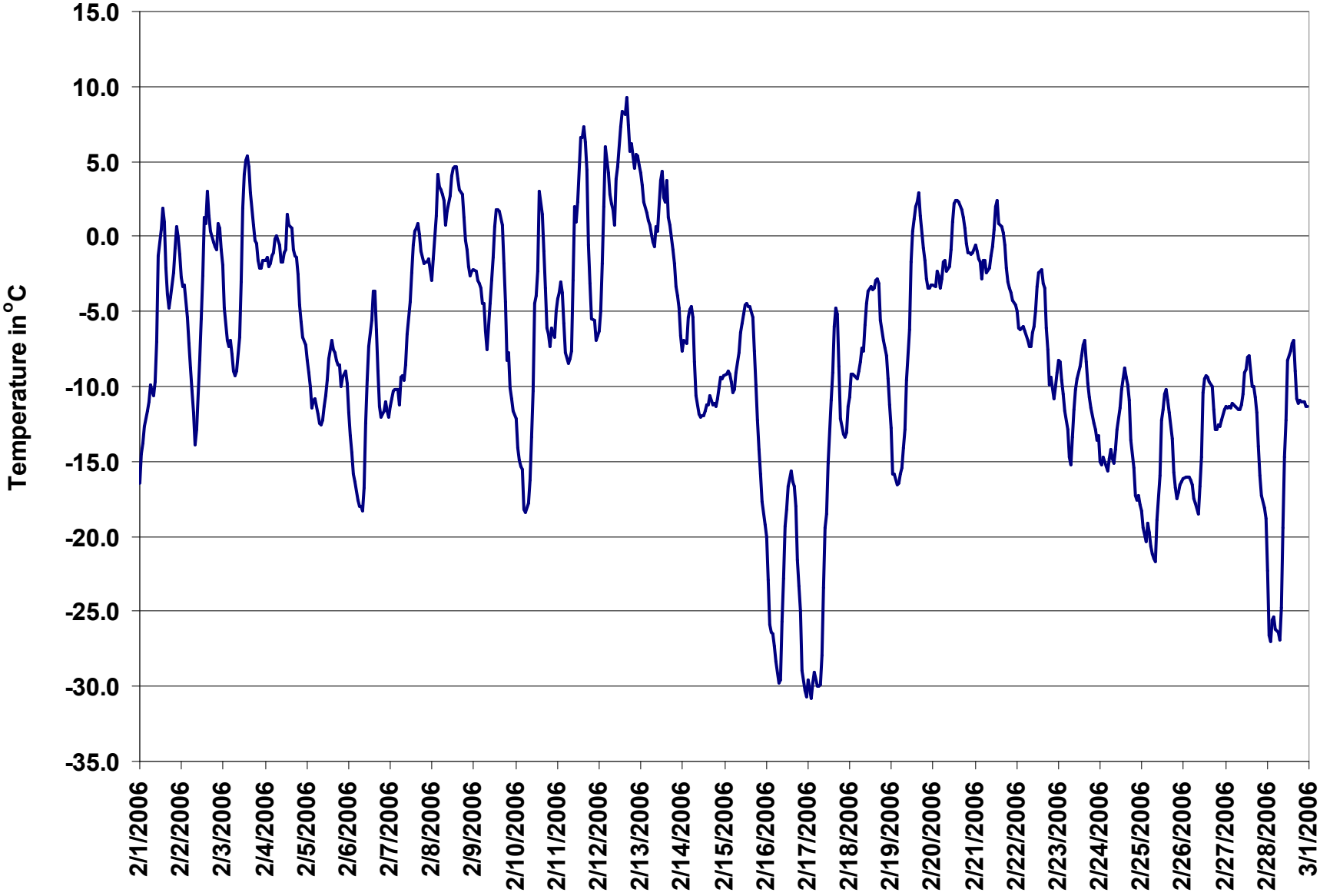


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

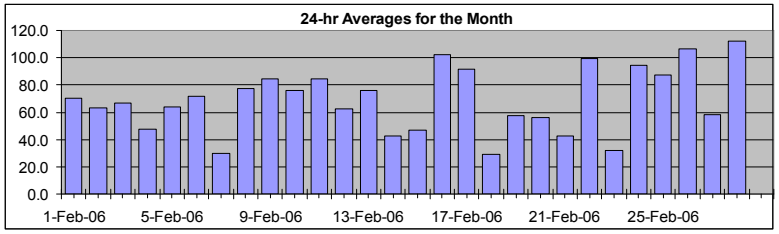
PASZA - Henry Pirker - Solar Radiation Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Solar Radiation (SR)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	473.9	W/m²	22-Feb	13:00 14:00
Maximum 24-hr Value:	112.1	W/m²	28-Feb	

AIC Time:	0 hrs	Operational Time:	672 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	412.8	334.6	106.3	0.0	0.0	0.0	0.0	69.0 W/m²	0.0 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-Feb-06	0	0	0	0	0	0	0	0	0	14	151	345	310	347	274	171	58	10	0	0	0	0	0	0	70.0	347.0
2-Feb-06	0	0	0	0	0	0	0	0	0	31	160	229	282	286	274	206	38	5	0	0	0	0	0	0	63.0	286.0
3-Feb-06	0	0	0	0	0	0	0	0	1	28	146	240	313	321	284	207	59	9	0	0	0	0	0	0	67.0	320.9
4-Feb-06	0	0	0	0	0	0	0	0	0	18	76	101	149	342	236	164	50	9	0	0	0	0	0	0	47.7	341.9
5-Feb-06	0	0	0	0	0	0	0	0	0	36	141	198	219	324	311	211	82	5	0	0	0	0	0	0	63.6	323.9
6-Feb-06	0	0	0	0	0	0	0	0	0	33	189	265	302	333	297	218	64	11	2	0	0	0	0	0	71.4	332.9
7-Feb-06	0	0	0	0	0	0	0	0	8	34	51	102	117	163	106	82	42	7	0	0	0	0	0	0	29.6	162.7
8-Feb-06	0	0	0	0	0	0	0	0	4	122	146	311	340	337	313	210	51	24	0	0	0	0	0	0	77.3	339.6
9-Feb-06	0	0	0	0	0	0	0	0	8	99	212	296	347	356	322	246	116	25	0	0	0	0	0	0	84.5	355.8
10-Feb-06	0	0	0	0	0	0	0	0	8	68	193	296	302	304	304	177	124	37	1	0	0	0	0	0	75.6	303.9
11-Feb-06	0	0	0	0	0	0	0	0	10	103	212	295	344	353	319	245	117	28	1	0	0	0	0	0	84.4	352.5
12-Feb-06	0	0	0	0	0	0	0	0	11	72	153	177	296	259	220	131	157	19	1	0	0	0	0	0	62.3	296.4
13-Feb-06	0	0	0	0	0	0	0	0	15	149	100	319	351	220	224	306	84	50	1	0	0	0	0	0	75.7	350.6
14-Feb-06	0	0	0	0	0	0	0	0	8	42	92	124	116	166	160	152	139	31	1	0	0	0	0	0	42.9	166.3
15-Feb-06	0	0	0	0	0	0	0	0	10	53	85	135	174	136	154	201	162	23	0	0	0	0	0	0	47.1	200.6
16-Feb-06	0	0	0	0	0	0	0	0	19	140	253	342	400	408	375	297	162	55	1	0	0	0	0	0	102.1	408.1
17-Feb-06	0	0	0	0	0	0	0	0	14	84	233	215	382	399	363	298	159	54	2	0	0	0	0	0	91.8	398.5
18-Feb-06	0	0	0	0	0	0	0	0	7	37	65	102	111	92	70	87	82	45	6	0	0	0	0	0	29.3	110.9
19-Feb-06	0	0	0	0	0	0	0	0	10	71	132	186	198	203	184	158	176	59	2	0	0	0	0	0	57.5	202.5
20-Feb-06	0	0	0	0	0	0	0	0	7	34	123	230	281	282	189	123	60	20	1	0	0	0	0	0	56.3	282.0
21-Feb-06	0	0	0	0	0	0	0	0	14	106	118	129	197	150	101	105	75	29	2	0	0	0	0	0	42.7	197.1
22-Feb-06	0	0	0	0	0	0	0	0	9	47	120	290	446	474	357	364	233	35	5	0	0	0	0	0	99.2	473.9
23-Feb-06	0	0	0	0	0	0	0	0	8	36	52	84	95	105	111	112	89	71	7	0	0	0	0	0	32.1	111.5
24-Feb-06	0	0	0	0	0	0	0	0	19	68	156	208	290	357	387	401	265	113	9	0	0	0	0	0	94.8	401.1
25-Feb-06	0	0	0	0	0	0	0	0	21	85	164	236	295	344	353	314	200	91	0	0	0	0	0	0	87.7	353.2
26-Feb-06	0	0	0	0	0	0	0	0	16	146	230	424	427	430	392	297	137	52	3	0	0	0	0	0	106.4	429.7
27-Feb-06	0	0	0	0	0	0	0	0	21	57	138	317	247	230	151	71	106	61	0	0	0	0	0	0	58.4	317.5
28-Feb-06	0	0	0	0	0	0	0	1	42	186	273	380	443	446	349	299	193	71	8	0	0	0	0	0	112.1	446.1
Hourly Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.4	71.4	148.7	234.8	277.6	291.6	256.4	209.0	117.1	37.5	1.9	0.0	0.0	0.0	0.0	0.0		
Hourly Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	42.0	185.8	272.5	424.2	446.1	473.9	392.1	401.1	265.5	112.9	8.8	0.0	0.0	0.0	0.0	0.0		

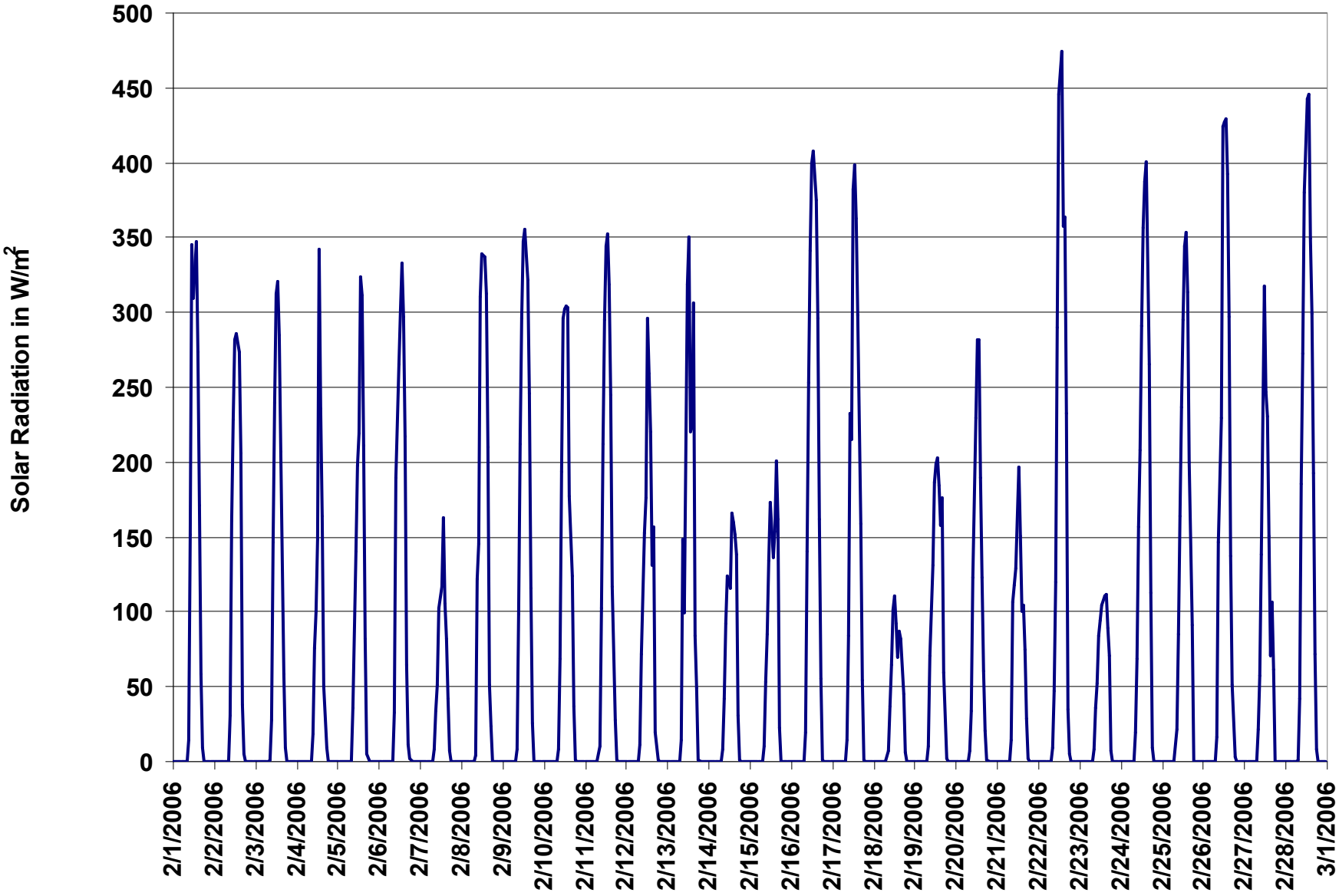


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

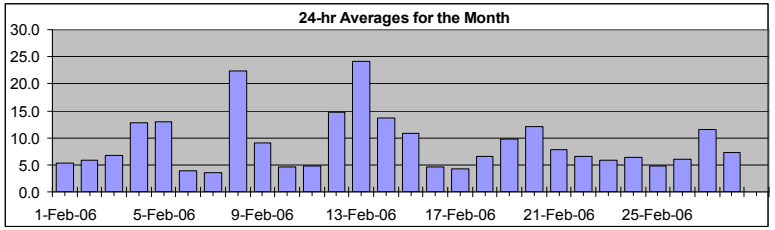
PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	33.7	km/hr	8-Feb	11:00 12:00
Maximum 24-hr Value:	24.2	km/hr	13-Feb	

Calm Time:	0 hrs	**0%** calms		Operational Time:			672 hrs	
Calibration Time:	0 hrs			AMD Operational Uptime:			100.0%	
Percentile	99	95	75	50	25	5	1	AverageS
	29.7	23.0	11.7	6.4	4.1	2.9	2.2	8.9 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-Feb-06	4	4	4	3	4	3	4	3	2	2	4	3	3	3	6	6	4	3	5	10	12	15	10	9	5.3	15.0
2-Feb-06	9	9	6	3	4	3	3	3	4	4	4	5	4	3	4	3	5	7	7	8	9	11	11	9	5.8	11.2
3-Feb-06	6	4	4	5	3	3	3	3	5	5	3	3	10	17	17	19	12	10	6	5	3	5	6	8	6.8	19.0
4-Feb-06	10	13	12	9	12	15	17	15	11	10	7	6	10	6	11	12	10	12	12	18	19	18	20	18	12.7	19.8
5-Feb-06	20	18	15	14	15	17	21	17	13	17	19	21	18	15	13	13	11	9	5	5	3	5	4	5	13.0	20.9
6-Feb-06	3	3	4	3	3	4	3	4	4	3	3	5	4	4	3	4	3	3	5	5	6	7	5	4	4.0	7.1
7-Feb-06	3	3	4	4	5	4	3	4	4	5	4	5	3	4	3	3	3	2	4	5	3	3	4	3	3.6	5.0
8-Feb-06	5	4	13	28	18	18	28	27	14	17	29	34	32	33	31	29	27	29	24	27	20	14	16	18	22.3	33.7
9-Feb-06	18	17	17	15	14	14	13	6	5	2	4	6	6	8	13	12	9	8	6	5	7	4	4	3	9.1	17.9
10-Feb-06	4	3	3	3	2	3	4	4	3	4	4	4	6	8	3	5	7	7	5	5	8	9	5	3	4.7	8.8
11-Feb-06	5	6	8	10	7	4	3	2	3	4	5	6	4	3	4	4	3	4	7	4	6	7	5	4	4.9	9.7
12-Feb-06	3	7	6	13	24	17	15	11	10	7	14	9	10	13	13	21	18	23	18	22	13	18	23	26	14.8	25.9
13-Feb-06	23	30	22	22	28	28	32	29	24	28	27	28	32	30	27	26	24	19	20	24	22	16	13	6	24.2	32.4
14-Feb-06	3	6	8	12	11	11	26	24	21	22	20	19	18	17	16	18	14	11	9	8	8	10	8	9	13.7	25.6
15-Feb-06	13	10	10	9	9	9	11	11	15	19	19	14	11	11	18	11	10	11	9	8	8	7	5	3	10.8	18.9
16-Feb-06	4	5	4	4	5	6	4	5	4	4	5	5	7	7	5	7	5	5	3	3	3	5	4	4	4.6	7.0
17-Feb-06	4	4	4	3	3	4	4	4	2	2	4	5	5	5	5	7	8	7	6	5	3	2	4	5	4.3	8.1
18-Feb-06	6	4	4	4	4	4	5	5	5	5	7	11	11	11	13	11	12	9	5	6	7	5	5	2	6.6	12.7
19-Feb-06	2	3	4	3	4	3	3	4	4	4	6	13	18	20	16	13	16	15	15	17	15	15	12	10	9.7	19.9
20-Feb-06	7	6	9	6	5	10	18	18	16	15	15	14	18	23	21	15	9	7	14	6	5	11	11	8	12.0	23.4
21-Feb-06	14	5	3	5	8	13	9	5	3	5	7	11	8	7	13	15	11	6	7	8	6	6	7	6	7.9	14.9
22-Feb-06	6	7	6	6	8	8	11	8	9	12	11	9	9	7	5	6	5	4	3	4	4	4	3	3	6.6	11.7
23-Feb-06	4	5	4	3	4	4	4	3	3	5	7	6	7	8	9	10	11	10	10	6	5	3	5	5	5.9	11.2
24-Feb-06	6	6	4	5	5	7	5	6	6	6	8	11	11	10	8	10	7	6	4	5	5	4	5	3	6.4	11.1
25-Feb-06	4	3	4	4	4	4	3	3	4	3	3	3	6	6	7	7	6	6	4	5	3	7	8	7	4.8	7.8
26-Feb-06	7	6	9	7	5	6	3	3	5	5	6	5	5	6	6	5	5	5	5	5	6	8	9	11	6.0	11.5
27-Feb-06	12	14	16	16	16	18	18	17	17	14	14	14	12	8	6	8	9	10	12	9	5	3	4	2	11.5	18.5
28-Feb-06	3	4	5	4	4	4	5	5	2	4	4	5	6	10	9	9	12	12	10	12	11	13	11	9	7.3	12.9
1-hr Average	7.4	7.4	7.5	8.0	8.3	8.7	10.0	8.9	7.8	8.4	9.4	10.0	10.5	10.8	11.0	11.0	9.9	9.2	8.6	8.9	8.1	8.4	8.1	7.4		
Hourly Max	23.0	29.6	22.2	28.1	27.8	28.3	32.4	29.3	24.2	28.2	29.2	33.7	32.4	33.3	31.3	28.5	27.2	29.0	24.2	26.6	22.4	18.3	22.8	25.9		

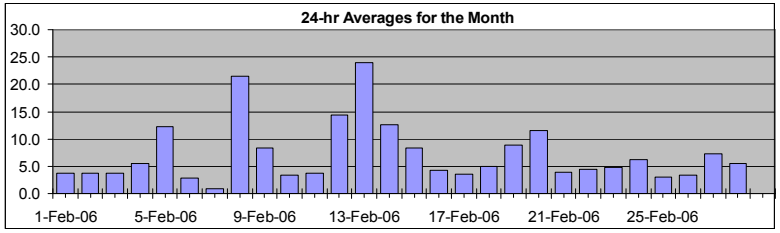
PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	33.7	km/hr	8-Feb	11:00 12:00
Maximum 24-hr Value:	24.0	km/hr	13-Feb	

Calm Time:	11 hrs	**2%** calms	Operational Time: 661 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	29.7	22.9	11.7	6.1	3.8	2.1	1.2	26.1 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-Feb-06	4	4	3	2	3	2	3	1	1	1	4	2	2	2	5	6	4	2	4	10	12	15	10	9	3.7	15.0
2-Feb-06	8	9	5	3	3	1	3	3	3	4	3	4	3	3	4	3	4	6	7	7	9	11	11	9	3.7	11.1
3-Feb-06	6	2	4	5	2	calm	1	2	calm	4	1	calm	9	16	17	19	12	10	6	3	3	4	6	7	3.7	18.9
4-Feb-06	10	13	12	9	12	15	17	15	11	10	6	6	10	6	11	11	10	12	12	18	19	18	20	18	5.5	19.7
5-Feb-06	20	18	14	14	15	17	21	17	13	17	19	21	18	15	13	13	11	9	5	5	3	5	4	5	12.3	20.8
6-Feb-06	2	2	3	2	3	4	2	4	4	2	3	5	4	4	3	4	2	2	5	5	6	7	5	4	2.9	7.0
7-Feb-06	3	2	4	4	4	4	1	3	4	4	calm	4	2	2	2	2	2	1	3	4	2	calm	4	calm	0.9	4.3
8-Feb-06	3	3	12	27	18	18	28	27	14	17	29	34	32	33	31	28	27	29	24	27	20	14	16	18	21.6	33.7
9-Feb-06	18	17	17	15	14	13	13	6	5	calm	4	6	6	8	13	12	9	7	6	5	6	4	3	3	8.3	17.9
10-Feb-06	4	3	calm	2	1	2	4	4	2	3	2	3	5	7	2	5	6	7	5	5	8	9	5	3	3.4	8.5
11-Feb-06	5	6	8	10	7	3	3	2	2	4	5	6	4	2	4	3	3	3	6	3	5	7	4	3	3.7	9.7
12-Feb-06	1	5	4	12	24	17	15	10	10	7	13	9	9	13	13	21	18	23	18	22	13	18	23	26	14.3	25.7
13-Feb-06	23	29	22	22	28	28	32	29	24	28	27	28	32	30	26	26	24	19	20	24	22	15	13	5	24.0	32.3
14-Feb-06	2	6	8	12	11	11	25	23	21	22	20	19	18	17	16	18	14	11	8	8	8	10	8	8	12.6	24.5
15-Feb-06	13	10	10	9	9	9	11	11	15	19	19	14	11	10	18	11	9	11	9	8	8	7	4	3	8.4	18.8
16-Feb-06	3	4	4	3	4	6	3	5	4	4	4	5	6	6	5	7	4	5	3	3	3	4	4	4	4.3	6.9
17-Feb-06	4	3	3	3	2	4	4	3	1	1	4	5	5	5	5	7	8	6	6	4	3	2	3	5	3.6	8.1
18-Feb-06	6	3	3	4	4	4	4	4	5	5	7	11	11	11	13	11	11	8	4	6	7	5	4	1	4.9	12.6
19-Feb-06	calm	3	4	3	4	3	2	4	4	4	6	12	18	20	16	13	16	15	15	17	15	15	12	9	8.8	19.9
20-Feb-06	6	5	9	6	5	9	17	18	16	14	15	14	18	23	21	15	9	7	14	6	5	11	11	8	11.5	23.4
21-Feb-06	10	5	3	3	7	13	9	5	3	4	7	11	8	7	12	15	10	5	7	8	6	6	6	6	3.8	14.6
22-Feb-06	6	7	6	6	8	7	11	8	8	12	11	9	9	7	5	6	5	4	3	3	1	4	3	3	4.5	11.6
23-Feb-06	4	4	3	2	4	3	3	2	2	4	7	6	6	8	9	10	11	10	10	6	4	3	4	4	4.7	10.9
24-Feb-06	6	6	4	5	5	7	5	6	6	5	8	11	11	10	8	10	7	6	4	4	5	4	4	3	6.2	11.0
25-Feb-06	4	3	4	4	4	4	3	3	4	3	3	2	6	6	6	7	6	6	4	5	3	7	8	7	3.1	7.7
26-Feb-06	7	6	9	7	5	6	3	calm	5	5	6	4	4	6	5	5	5	4	4	5	6	8	9	11	3.4	11.4
27-Feb-06	12	14	16	15	16	18	18	17	17	14	14	14	12	8	5	8	9	9	12	9	4	2	2	calm	7.2	18.4
28-Feb-06	2	4	4	4	3	4	4	5	2	4	1	2	6	10	9	9	12	12	10	12	11	13	11	9	5.5	12.8
1-hr Vector	3.9	3.1	2.8	4.1	4.5	4.7	5.6	5.1	5.0	5.4	6.1	7.3	7.1	7.2	7.7	7.9	6.5	5.8	4.9	4.6	4.0	3.8	3.3	3.3		
Hourly Max	22.9	29.5	22.2	27.4	27.7	28.2	32.3	29.1	24.1	28.1	29.2	33.7	32.3	33.2	31.2	28.4	27.0	29.0	24.0	26.5	21.7	18.1	22.7	25.7		

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:	672 hrs																				
Calibration Time:	0 hrs						AMD Operational Uptime:	100.0%																				
Percentile	99	95	75	50	25	5	1	Average																				
	352.5	333.8	302.0	274.3	206.5	42.2	14.7	284 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-Feb-06	342	34	268	316	306	266	300	319	296	141	166	309	89	198	275	288	303	251	223	228	241	249	251	243	260	W
2-Feb-06	257	221	209	164	10	100	307	348	295	329	311	305	280	279	302	301	200	232	229	224	220	201	193	202	237	WSW
3-Feb-06	203	68	172	159	103	297	67	168	174	195	260	16	198	232	240	243	224	225	198	172	88	74	81	75	206	SSW
4-Feb-06	73	90	94	74	75	71	75	74	63	44	40	17	343	327	297	292	296	303	295	299	297	305	300	294	353	N
5-Feb-06	296	292	297	287	285	293	292	292	281	284	284	282	289	290	290	303	288	292	302	331	199	234	165	206	288	WNW
6-Feb-06	328	12	142	119	170	308	321	298	298	294	276	285	294	272	280	287	278	335	316	314	324	326	330	329	306	NW
7-Feb-06	281	53	113	80	331	306	206	305	333	318	95	111	70	107	153	65	132	248	287	294	346	271	332	18	358	N
8-Feb-06	339	314	296	269	242	237	243	243	224	237	247	248	250	245	247	251	261	263	253	247	251	252	251	261	251	WSW
9-Feb-06	261	254	257	261	255	265	256	261	271	235	301	288	278	275	277	276	288	335	333	308	326	260	308	310	274	W
10-Feb-06	341	331	117	321	331	259	298	314	271	285	302	219	207	179	223	276	312	295	297	303	300	301	316	290	288	WNW
11-Feb-06	268	294	292	290	304	343	171	208	226	173	225	279	286	313	292	314	290	18	333	321	316	320	311	318	296	WNW
12-Feb-06	225	301	269	272	267	246	249	278	279	301	279	303	304	269	267	255	260	271	280	274	283	268	265	250	269	W
13-Feb-06	253	246	246	248	253	251	245	247	251	248	247	250	251	247	249	247	258	258	246	275	256	248	242	258	251	WSW
14-Feb-06	264	293	300	304	295	296	336	333	306	307	308	302	299	301	287	293	290	281	248	240	252	250	267	307	298	WNW
15-Feb-06	313	316	316	311	302	289	292	297	287	292	296	303	307	340	351	10	7	3	12	51	54	48	71	24	326	NW
16-Feb-06	348	294	320	324	280	325	299	316	281	290	291	285	277	324	353	345	320	307	309	325	305	302	314	296	310	NW
17-Feb-06	328	323	288	338	328	312	308	313	287	304	287	290	281	285	278	245	222	231	286	309	312	339	248	279	286	WNW
18-Feb-06	275	259	255	260	328	305	264	259	272	257	245	294	288	267	277	263	259	253	206	167	165	155	136	18	260	W
19-Feb-06	213	284	341	302	320	338	317	313	311	319	304	260	249	247	252	261	249	249	248	247	243	242	249	279	259	W
20-Feb-06	278	273	255	267	301	296	283	289	273	261	251	263	273	280	284	285	284	274	279	246	229	240	249	231	271	W
21-Feb-06	269	319	177	322	223	240	233	224	201	248	295	277	266	294	339	281	316	354	48	54	41	51	42	45	297	WNW
22-Feb-06	52	58	40	23	357	349	319	306	297	299	302	286	281	284	272	274	317	359	25	114	62	299	352	359	325	NW
23-Feb-06	47	50	18	310	306	333	308	186	333	354	65	49	42	41	43	33	29	32	44	25	353	2	319	341	22	NNE
24-Feb-06	300	311	314	314	298	301	315	294	252	264	288	281	282	284	300	302	304	294	309	318	302	314	321	308	296	WNW
25-Feb-06	330	316	332	316	313	315	330	297	294	295	289	252	16	17	30	47	46	46	50	54	64	71	70	74	17	NNE
26-Feb-06	75	82	79	76	78	64	22	117	286	321	321	255	254	281	329	349	42	49	45	44	44	56	64	73	42	NE
27-Feb-06	74	74	73	75	81	84	78	79	80	76	80	81	70	60	22	324	291	287	286	291	310	178	139	351	66	ENE
28-Feb-06	301	315	313	299	345	339	298	323	288	347	73	310	42	54	38	59	58	59	59	59	47	54	53	43	34	NE
Hourly Avg	294	300	287	290	287	287	284	287	280	284	281	280	278	275	285	283	283	287	284	281	283	275	278	289		

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

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 672 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	56.0	43.8	19.2	11.1	6.3	4.0	3.3

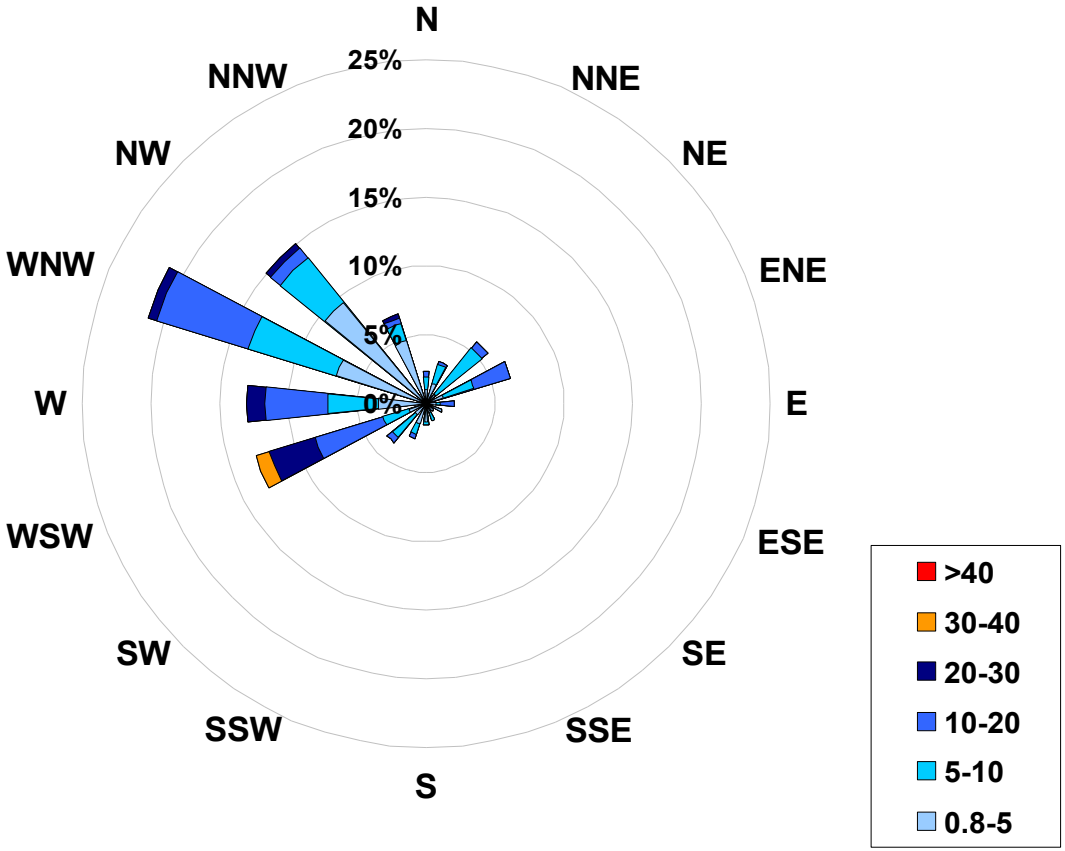
Status Flag Characters

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	Daily Maximum
1-Feb-06	12	22	24	39	14	31	32	52	30	46	18	37	37	47	16	12	32	31	48	5	4	4	6	6	51.8
2-Feb-06	21	6	32	24	38	49	37	32	42	24	22	43	20	19	13	21	45	14	9	7	7	6	5	5	49.4
3-Feb-06	15	44	16	7	31	67	51	54	30	28	51	35	9	7	6	5	6	6	11	37	19	22	9	7	66.8
4-Feb-06	6	7	6	9	8	5	5	6	9	10	17	19	11	18	6	5	7	6	5	4	4	4	5	5	19.0
5-Feb-06	5	4	5	5	3	5	3	4	4	3	4	4	6	7	8	7	6	5	11	13	24	14	16	11	24.3
6-Feb-06	22	14	15	30	11	21	26	15	20	25	12	26	23	20	23	14	41	36	8	13	10	6	18	21	41.3
7-Feb-06	30	37	14	19	33	19	46	19	17	28	29	34	53	34	34	46	16	51	48	20	52	46	23	56	56.1
8-Feb-06	40	44	42	6	5	6	4	5	8	11	3	4	5	4	4	4	5	4	4	3	5	5	4	5	43.7
9-Feb-06	4	4	4	5	4	6	5	15	16	61	11	14	9	7	4	3	5	10	6	17	14	16	47	24	60.8
10-Feb-06	12	23	33	29	55	25	9	11	52	35	22	37	17	17	37	13	19	12	13	16	6	7	13	31	55.5
11-Feb-06	9	10	6	5	9	39	23	29	20	17	14	7	10	30	16	19	22	29	10	56	15	19	24	34	56.0
12-Feb-06	56	26	34	13	4	4	8	20	15	14	9	17	13	6	6	4	7	4	4	4	5	7	4	5	56.0
13-Feb-06	4	4	3	4	5	4	3	4	4	4	4	5	6	4	5	5	5	5	5	5	7	5	6	19	18.7
14-Feb-06	14	8	7	4	5	3	7	7	5	4	5	6	6	6	7	6	8	5	8	9	7	8	9	6	14.0
15-Feb-06	4	5	5	6	5	4	3	5	3	4	4	6	9	10	5	16	14	5	7	10	11	10	18	19	19.1
16-Feb-06	17	14	17	38	11	10	23	12	31	16	8	5	6	19	21	10	12	10	12	10	21	7	9	8	37.6
17-Feb-06	20	13	14	9	56	14	14	12	37	65	11	8	6	11	6	8	6	7	11	11	15	63	19	16	65.4
18-Feb-06	9	30	28	14	6	9	10	12	15	9	8	8	6	9	8	8	9	15	14	5	4	3	7	43	42.5
19-Feb-06	45	17	13	26	14	17	35	8	13	10	9	8	4	4	5	5	6	3	4	3	4	5	7	13	44.5
20-Feb-06	11	12	7	13	15	14	8	4	5	5	5	7	8	4	3	4	5	19	6	8	6	5	10	7	19.3
21-Feb-06	30	15	28	23	27	7	6	8	21	17	14	18	9	19	16	9	18	14	12	12	17	13	15	13	30.1
22-Feb-06	11	9	10	15	7	9	7	9	7	6	6	7	8	16	16	8	19	13	25	28	17	24	24	26	28.3
23-Feb-06	13	11	21	33	19	20	28	45	24	17	14	17	16	14	12	11	13	12	9	17	19	25	22	24	45.3
24-Feb-06	15	10	12	7	8	6	11	7	10	12	9	10	5	9	13	8	13	8	12	7	12	12	31	15	30.7
25-Feb-06	9	17	11	11	9	13	18	15	18	14	14	26	21	19	19	15	15	17	19	12	27	10	8	9	27.2
26-Feb-06	11	9	7	9	12	10	23	28	12	9	11	26	21	15	22	18	19	28	17	14	15	9	8	7	28.4
27-Feb-06	7	7	5	6	6	4	6	6	6	7	7	8	11	15	28	9	9	7	5	6	43	50	23	35	50.4
28-Feb-06	39	10	50	27	20	32	22	15	49	14	37	48	20	14	14	13	10	9	11	6	9	8	8	12	49.7
Hourly Max	56	44	50	39	56	67	51	54	52	65	51	48	53	47	37	46	45	51	48	56	52	63	47	56	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	255
5	to	10	208
10	to	20	161
20	to	30	41
30	to	40	7
	>	40	0
Total Non-Zero Values			672

PASZA - Evergreen Park Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

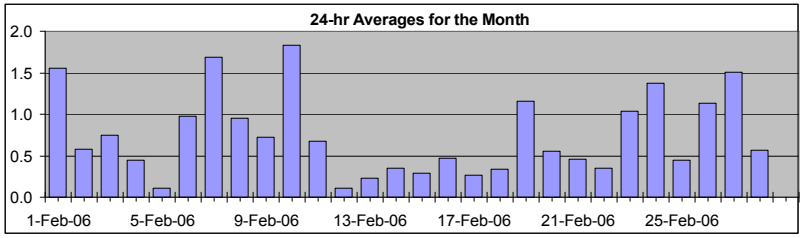
Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	5.8	ppb	10-Feb	10:00 11:00
Maximum 24-hr Average:	1.8	ppb	10-Feb	



AIC Time:	29 hrs	Operational Time:	638 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.5	2.5	1.0	0.5	0.0	0.0	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-Feb-06	3	2	2	2	2	N	2	2	3	2	2	1	1	0	0	0	1	3	3	2	1	A	0	0	1.6	2.8
2-Feb-06	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	3	2	3	A	0	0	0	0.6	2.8
3-Feb-06	0	0	0	0	0	0	0	1	1	2	3	5	1	0	0	0	0	0	0	A	1	1	1	1	0.7	5.5
4-Feb-06	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	A	0	1	1	1	0	0.4	1.1
5-Feb-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	A	0	0	0	0	0	0	0.1	0.8
6-Feb-06	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	A	2	2	2	2	2	2	1	1.0	2.4
7-Feb-06	1	1	1	0	1	0	1	1	1	1	2	2	3	2	1	A	1	2	1	3	3	3	3	3	1.7	3.4
8-Feb-06	3	5	4	3	2	2	1	0	0	0	0	0	0	0	A	0	0	0	0	1	0	0	0	0	1.0	4.6
9-Feb-06	0	0	0	0	0	0	0	0	0	0	0	1	0	A	0	0	0	1	4	1	2	3	2	2	0.7	4.2
10-Feb-06	3	3	2	2	2	2	3	3	3	4	6	C	C	C	A	0	1	1	1	0	0	1	0	0	1.8	5.8
11-Feb-06	0	0	0	0	0	A	1	0	1	0	1	1	1	0	0	2	2	1	0	1	1	1	1	1	0.7	2.1
12-Feb-06	1	1	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7
13-Feb-06	0	0	0	A	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.0
14-Feb-06	0	0	A	0	1	0	0	0	1	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0.4	1.1
15-Feb-06	1	A	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.0
16-Feb-06	A	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	1	0	1	1	1	A	0.5	1.4
17-Feb-06	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	A	0	0.3	1.0
18-Feb-06	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	A	0	0	0.3	1.3
19-Feb-06	0	0	0	0	0	1	1	2	2	2	3	2	2	2	1	1	1	1	1	1	A	1	1	1	1.2	2.7
20-Feb-06	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	A	1	0	1	0	0.6	0.8
21-Feb-06	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	1	A	0	0	0	0	0	0.5	1.3
22-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	A	1	0	1	1	0	0	0.3	1.4
23-Feb-06	0	0	0	N	1	1	1	2	2	2	2	1	1	0	0	0	A	0	2	2	0	1	1	1	1.0	2.5
24-Feb-06	1	0	0	1	1	1	2	1	2	2	3	3	3	2	2	A	1	1	1	1	2	1	1	1	1.4	2.8
25-Feb-06	1	1	1	0	1	0	1	0	0	1	1	1	1	1	A	0	0	0	0	0	0	0	0	0	0.4	1.0
26-Feb-06	0	0	0	0	1	0	0	1	1	1	2	2	2	A	2	1	1	1	1	2	1	2	2	2	1.1	2.4
27-Feb-06	2	1	2	1	3	3	3	2	2	1	2	3	A	1	1	1	1	1	1	1	0	0	0	0	1.5	3.3
28-Feb-06	0	0	0	0	0	0	0	1	1	2	2	A	1	1	1	1	0	0	0	1	1	0	1	0	0.6	1.7
Hourly Avg	0.7	0.6	0.7	0.6	0.7	0.6	0.7	0.7	0.9	1.0	1.2	1.2	0.8	0.6	0.5	0.5	0.4	0.7	0.9	0.8	0.8	0.8	0.7	0.5		
Hourly Max	3.4	4.6	4.1	2.9	3.0	3.1	3.3	2.6	3.3	4.2	5.8	5.5	3.1	2.4	1.7	1.7	2.1	2.8	4.2	2.8	3.2	2.9	3.4	3.4		

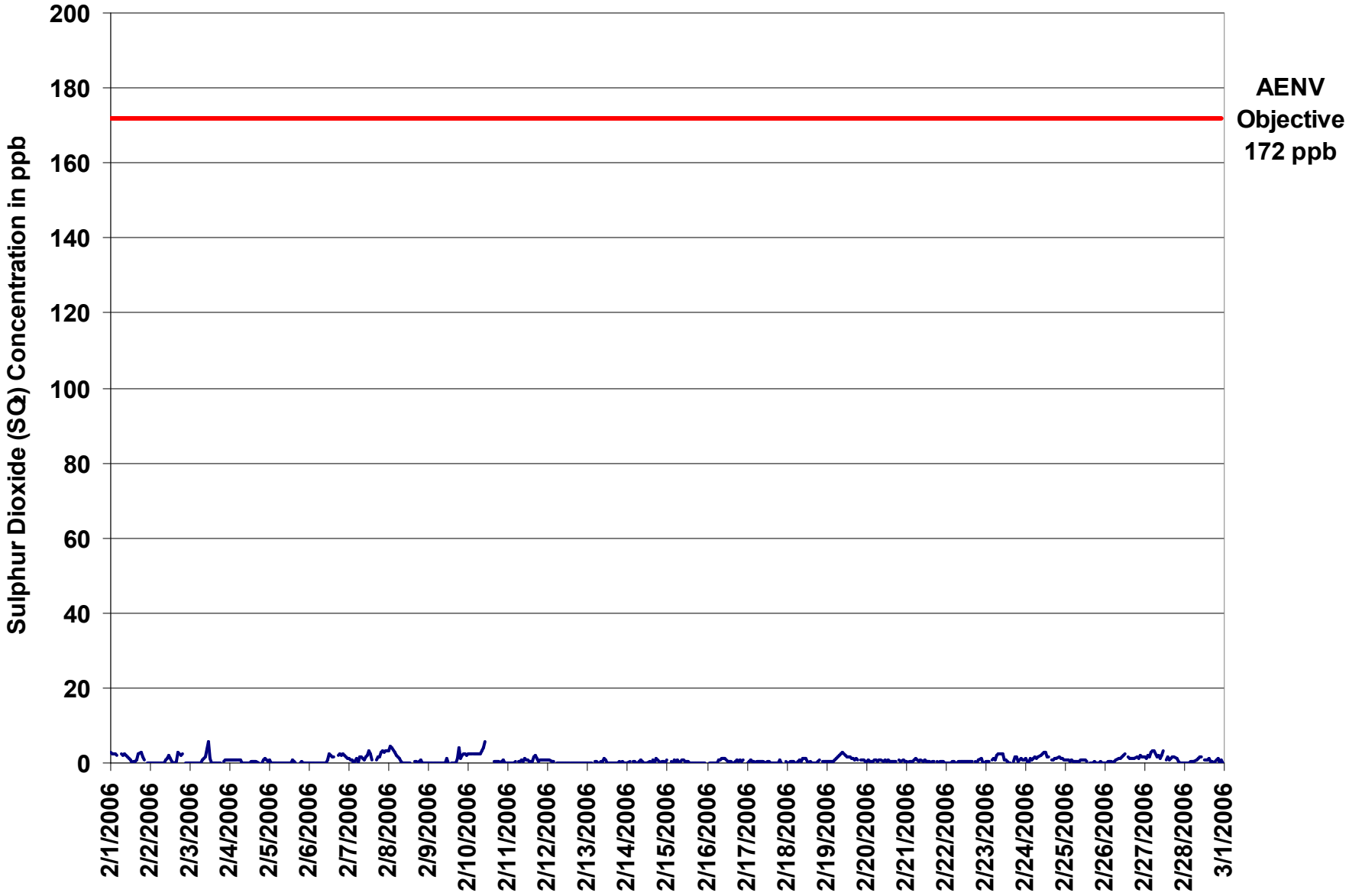


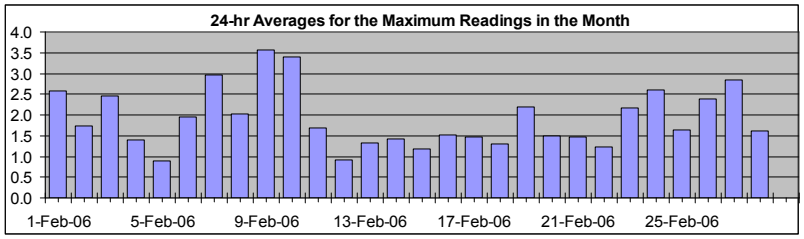
Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	50.7	ppb	9-Feb	18:00 19:00
Maximum 24-hr Value:	3.6	ppb	9-Feb	

AIC Time:	29 hrs	Operational Time:	638 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	6.6	4.3	2.4	1.5	1.0	0.1	0.0	1.9 ppb	1.5 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-Feb-06	4	3	3	3	3	N	3	3	4	3	3	2	2	1	1	1	2	4	4	3	2	A	1	0	2.6	4.4
2-Feb-06	0	0	0	0	0	0	2	0	1	2	3	3	3	1	1	1	6	5	4	7	A	1	1	0	1.7	6.6
3-Feb-06	0	0	0	0	0	0	3	2	3	5	4	12	5	12	0	0	0	1	2	A	2	2	1	1	2.5	12.5
4-Feb-06	2	2	2	2	1	2	2	1	1	1	1	1	1	1	2	2	1	1	A	1	2	2	2	1	1.4	2.1
5-Feb-06	2	0	0	1	0	1	0	0	0	0	0	0	0	1	2	2	6	A	1	2	0	0	0	0	0.9	6.5
6-Feb-06	1	0	1	0	0	0	1	0	1	1	2	3	4	3	2	3	A	3	3	3	4	3	4	3	2.0	4.1
7-Feb-06	2	2	2	2	2	1	2	2	2	2	3	4	4	4	2	A	2	4	4	5	5	4	5	4	3.0	4.7
8-Feb-06	5	6	5	4	3	3	2	2	1	1	0	1	1	1	A	1	2	1	2	2	1	1	1	3	2.0	5.7
9-Feb-06	1	0	0	0	0	0	0	0	0	0	1	2	1	A	1	1	1	3	51	2	5	5	4	4	3.6	50.7
10-Feb-06	3	4	3	4	3	4	4	4	5	7	8	C	C	C	A	1	1	1	2	2	2	9	1	0	3.4	9.1
11-Feb-06	1	1	1	1	2	A	1	2	2	2	2	2	2	1	1	3	3	2	2	2	2	2	2	2	1.7	3.1
12-Feb-06	2	1	1	1	A	1	1	1	1	0	1	1	1	0	0	4	0	0	1	1	1	1	1	0	0.9	3.9
13-Feb-06	0	1	1	A	1	1	0	1	2	2	2	2	1	1	1	0	6	0	0	1	2	2	1	1	1.3	5.8
14-Feb-06	1	1	A	1	2	1	1	1	2	2	2	1	2	2	1	2	2	2	2	1	2	1	1	1	1.4	2.1
15-Feb-06	3	A	1	1	2	2	2	1	2	2	2	2	2	0	0	0	0	0	1	1	1	1	1	1	1.2	3.0
16-Feb-06	A	1	1	0	1	1	1	2	2	2	3	2	2	2	2	0	1	2	2	1	2	2	2	A	1.5	2.9
17-Feb-06	1	2	2	2	1	1	2	1	2	2	1	1	2	2	0	0	0	0	0	2	6	1	A	2	1.5	6.4
18-Feb-06	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	2	A	1	2	1.3	2.4
19-Feb-06	2	1	1	1	1	2	2	3	3	3	4	3	3	3	2	3	3	2	2	2	A	2	2	1	2.2	3.8
20-Feb-06	1	2	2	2	1	2	2	1	1	2	1	2	1	2	1	1	1	2	1	A	1	1	1	1	1.5	2.4
21-Feb-06	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	4	A	1	1	1	1	1	1.5	3.9
22-Feb-06	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	A	1	1	2	3	1	1	1.2	2.8
23-Feb-06	1	1	2	N	2	2	3	4	3	4	4	2	2	1	1	1	A	2	3	2	2	2	2	2	2.2	4.4
24-Feb-06	2	1	2	3	3	3	3	3	3	3	4	4	4	2	2	A	2	2	2	2	3	3	2	2	2.6	3.7
25-Feb-06	2	2	3	2	2	2	2	2	2	3	2	2	2	1	A	0	0	1	1	1	1	2	2	1	1.6	2.9
26-Feb-06	1	2	1	2	2	1	2	2	2	2	3	3	4	A	3	2	2	3	2	3	3	3	3	3	2.4	3.6
27-Feb-06	3	3	3	3	4	5	4	3	3	3	3	4	A	3	2	3	2	5	2	3	1	1	1	1	2.9	5.3
28-Feb-06	0	0	1	1	2	2	2	2	2	3	3	A	2	1	2	2	1	1	1	2	2	2	2	1	1.6	3.1
Hourly Avg	1.6	1.5	1.5	1.5	1.6	1.5	1.9	1.8	1.9	2.1	2.4	2.4	1.9	2.0	1.4	1.5	1.9	2.0	3.7	2.1	2.1	2.2	1.7	1.6		
Hourly Max	4.7	5.7	5.0	4.4	4.0	4.6	4.3	4.4	4.9	7.1	7.5	11.7	4.6	12.5	3.3	3.9	6.5	5.3	50.7	6.6	6.4	9.1	4.7	4.5		

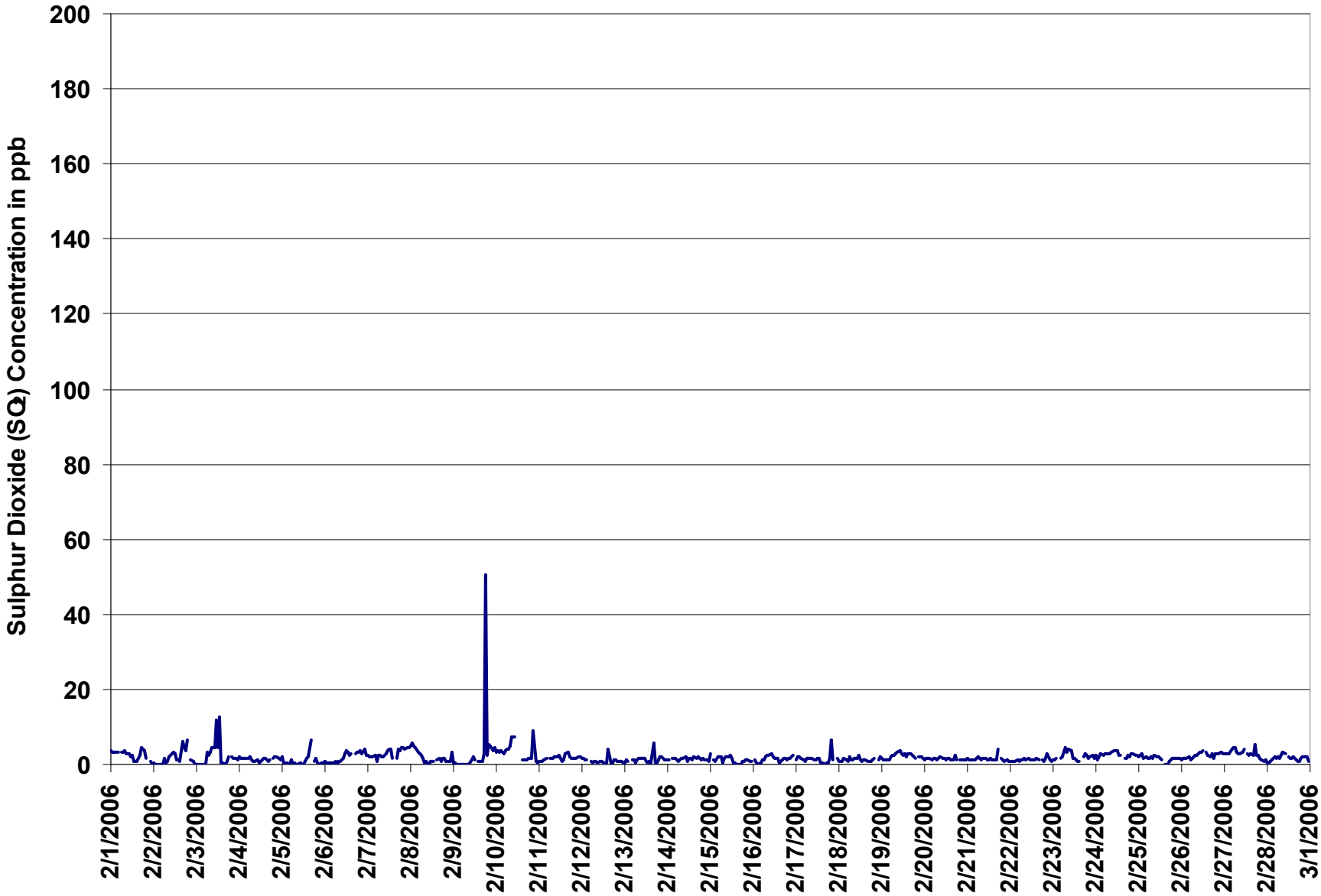
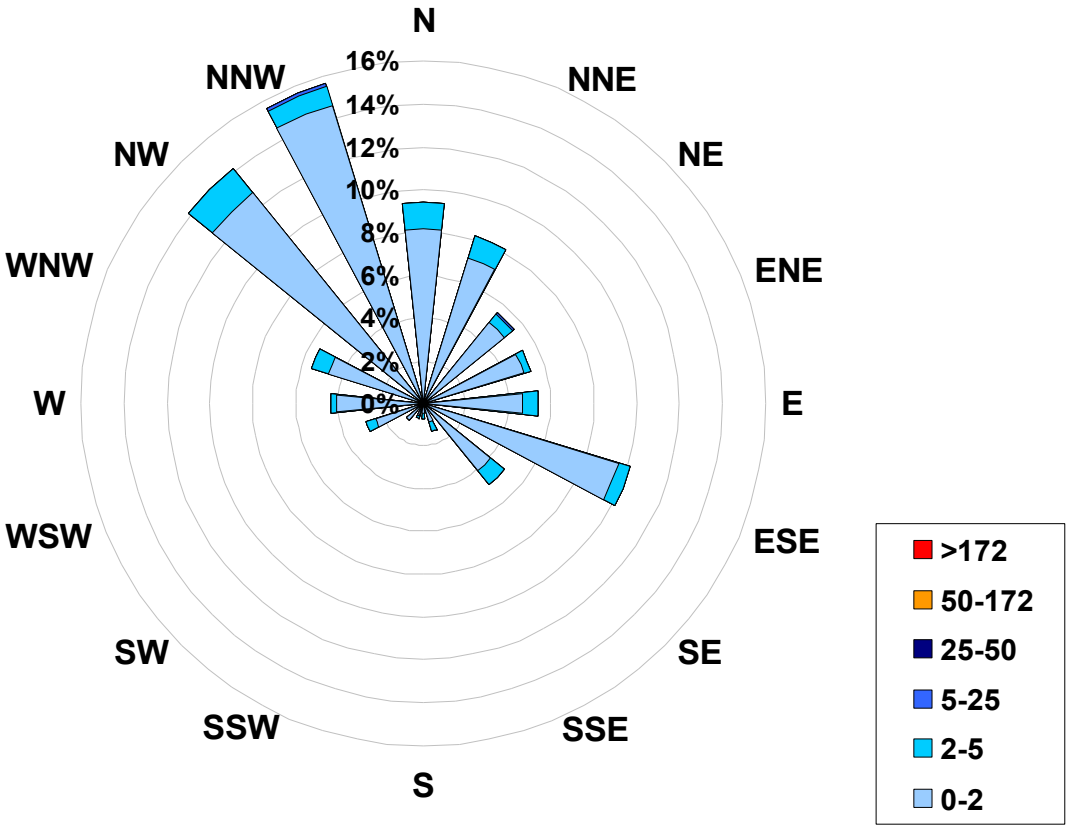


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	568
2	to	5	68
5	to	25	2
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			638

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

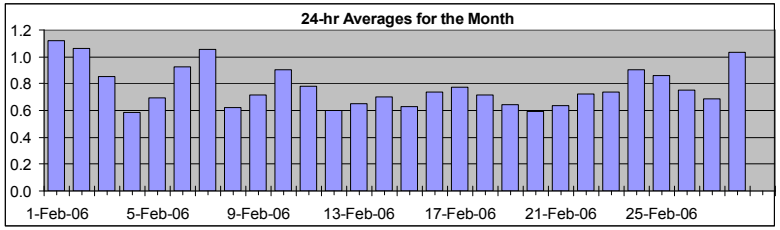
Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	2.0	ppb	2-Feb	17:00 18:00
Maximum 24-hr Value:	1.1	ppb	1-Feb	



AIC Time:	29 hrs	Operational Time:	638 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.8	1.3	0.9	0.7	0.6	0.5	0.5	0.8 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-Feb-06	2	2	2	2	2	N	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	A	1	1.1	1.8
2-Feb-06	1	1	1	1	0	1	1	1	1	1	2	2	2	1	1	1	2	2	2	1	1	A	1	1	1.1	2.0
3-Feb-06	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	A	1	1	0	0.9	1.9
4-Feb-06	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.6	0.8
5-Feb-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	0.8
6-Feb-06	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1	1	1	1	1	1	0.9	1.6
7-Feb-06	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.1	1.6
8-Feb-06	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.6	1.2
9-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.7	1.0
10-Feb-06	1	1	1	1	1	1	1	1	1	2	1	C	C	C	A	1	1	1	1	1	1	1	1	1	0.9	1.8
11-Feb-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	0.8	1.0
12-Feb-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	0.6	0.8
13-Feb-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	0.7	0.9
14-Feb-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	0.7	0.8
15-Feb-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0.6	0.8
16-Feb-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	1.2
17-Feb-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
18-Feb-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
19-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	A	1	1	1	0.6	1.0
20-Feb-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	0.6	0.7
21-Feb-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	0.6	0.7
22-Feb-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	0.7	0.9
23-Feb-06	1	1	1	N	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.7	1.3
24-Feb-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	0.9	1.2
25-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.9	1.3
26-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0.8	1.0
27-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
28-Feb-06	1	1	1	1	1	1	2	2	2	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6
Hourly Avg	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.9	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7		
Hourly Max	1.8	1.8	1.8	1.6	1.5	1.3	1.5	1.6	1.7	1.9	1.9	1.9	1.6	1.2	1.0	1.3	1.5	2.0	1.5	1.3	1.4	1.2	1.2	1.2		

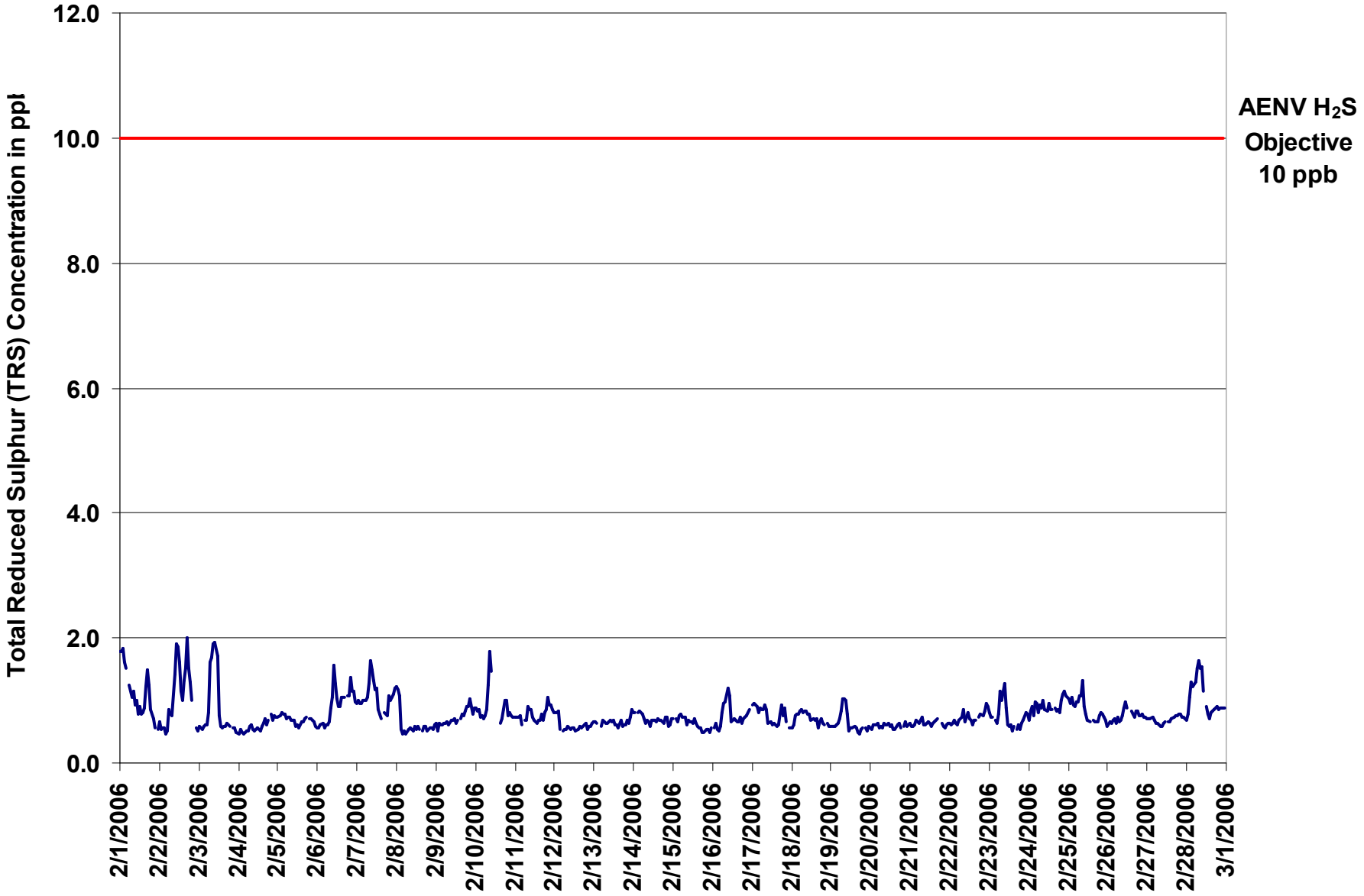


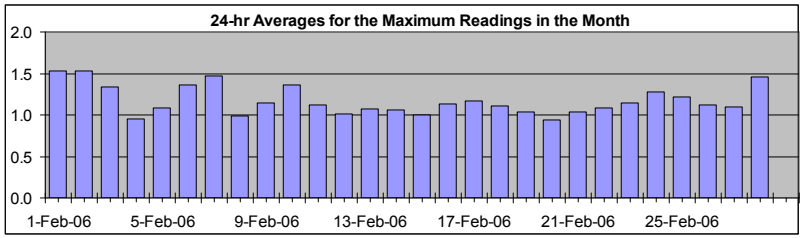
Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	2.9	ppb	2-Feb	16:00 17:00
Maximum 24-hr Value:	1.5	ppb	2-Feb	

AIC Time:	29 hrs	Operational Time:	638 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.4	1.9	1.3	1.1	1.0	0.9	0.8	1.2 ppb	1.1 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-Feb-06	2	2	2	2	2	N	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	A	1	1.5	2.2
2-Feb-06	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	3	3	2	2	1	A	1	1	1.5	2.9
3-Feb-06	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	A	1	1	1	1.3	2.5
4-Feb-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	1.0	1.2
5-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	A	1	1	1	1	1	1.1	1.6
6-Feb-06	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	A	1	1	2	2	2	1	1.4	2.2
7-Feb-06	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	A	1	1	2	1	1	2	2	1.5	2.3
8-Feb-06	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1.0	1.6
9-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	1	1	1	2	1	1	2	1	1	1.2	1.8
10-Feb-06	1	1	1	1	1	1	1	1	2	2	2	C	C	C	A	1	1	1	1	1	1	3	1	1	1.4	2.6
11-Feb-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	1.1	1.4
12-Feb-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.0	1.9
13-Feb-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1.1	2.3
14-Feb-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	1.1	1.2
15-Feb-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	1.0	1.4
16-Feb-06	A	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1.1	1.9
17-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	A	1	1.2	2.4
18-Feb-06	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.1	1.8
19-Feb-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	1.0	1.5
20-Feb-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	1.1
21-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	1	1	1	1	1	1.0	1.7
22-Feb-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	1.1	1.3
23-Feb-06	1	1	1	N	1	1	1	2	2	2	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.1	1.8
24-Feb-06	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	A	1	1	1	1	2	1	2	1	1.3	1.6
25-Feb-06	1	1	1	1	1	1	1	1	1	2	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1.2	1.7
26-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1.1	1.4
27-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	2	1	1	1	1	1	1	1.1	1.7
28-Feb-06	1	1	2	2	2	2	2	2	2	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1.5	2.1
Hourly Avg	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.3	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.1		
Hourly Max	2.1	2.1	2.2	2.0	1.9	1.7	2.0	2.4	2.3	2.5	2.4	2.3	2.0	1.5	1.5	1.9	2.9	2.6	1.9	1.7	2.4	2.6	2.2	1.5		

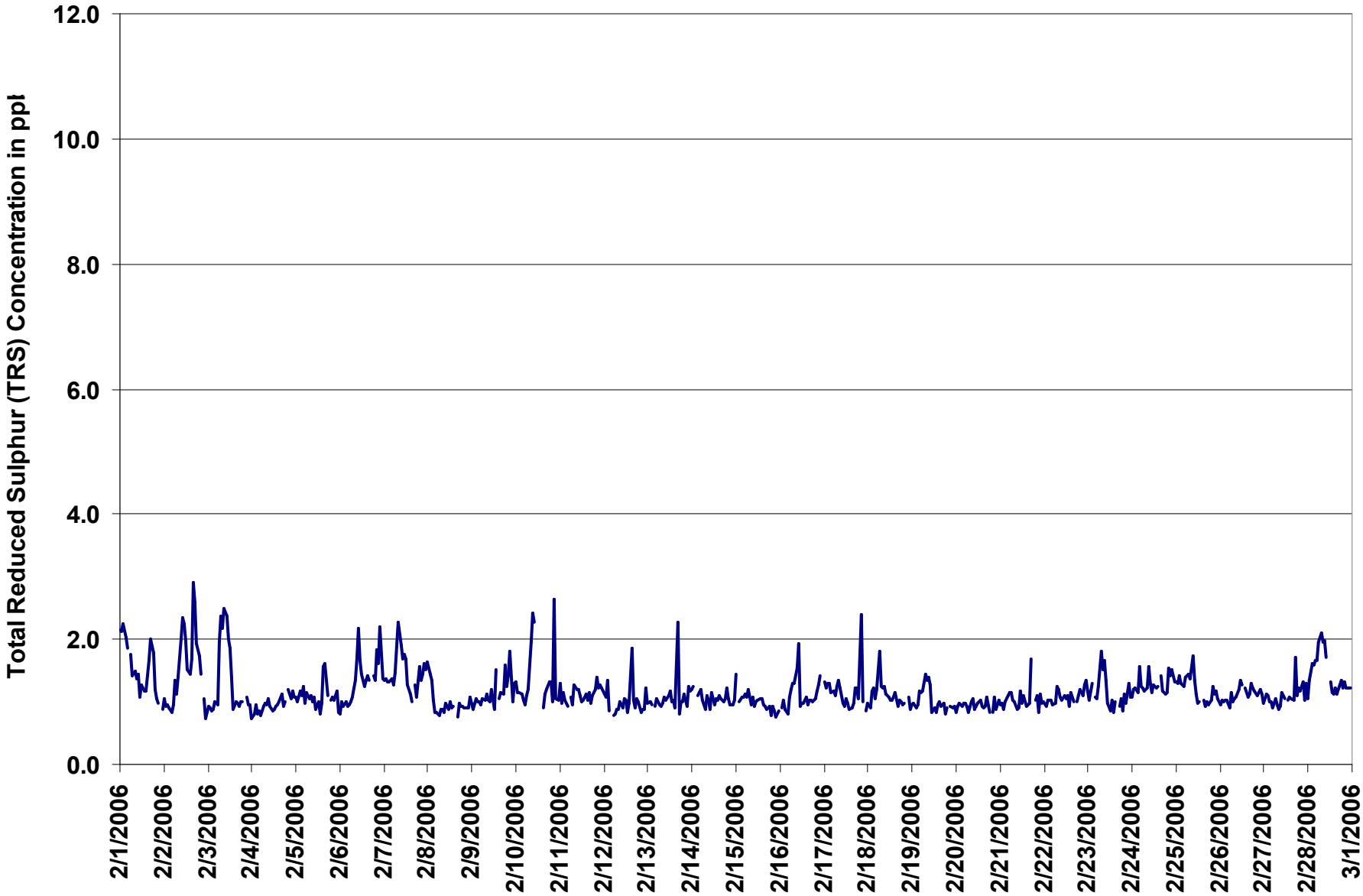
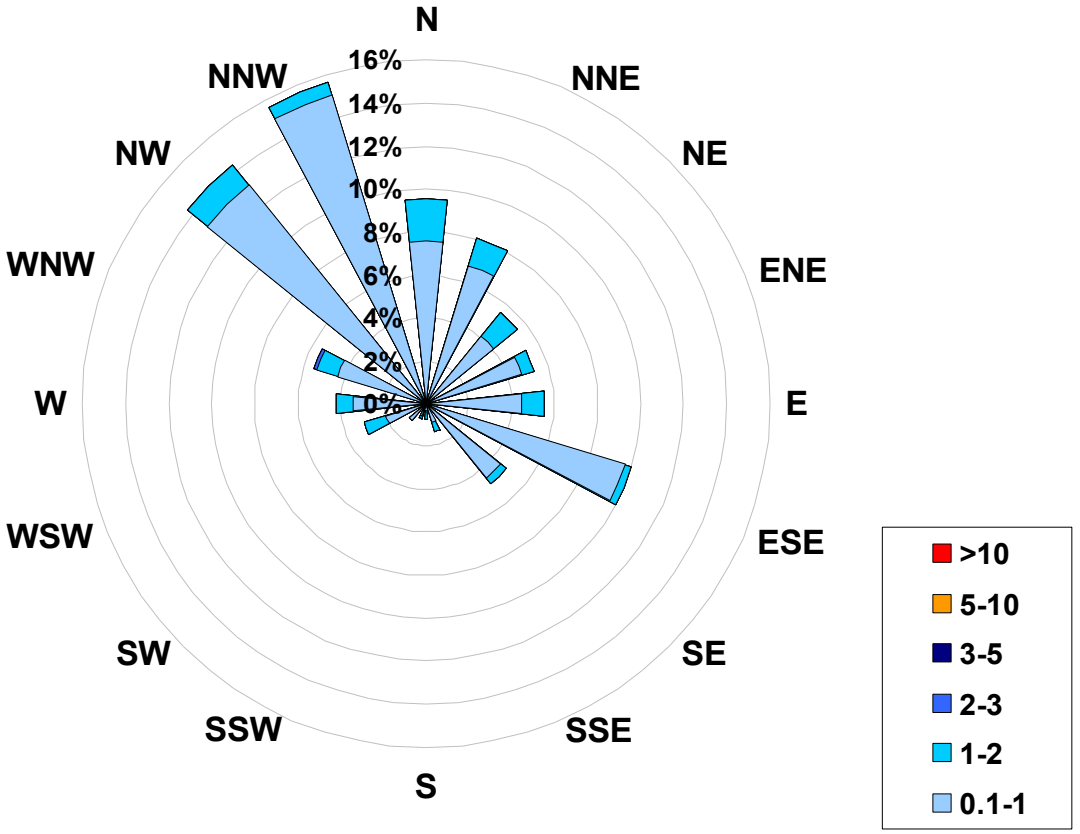


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	552
1	to	2	85
2	to	3	1
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			638

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

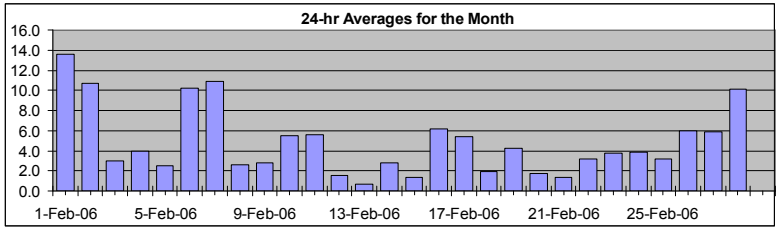
Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 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:	38.2	µg/m³	2-Feb	17:00 18:00
Maximum 24-hr Value:	13.6	µg/m³	1-Feb	

AIC Time:	0 hrs	Operational Time:	661 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.0%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	27.3	15.1	6.8	2.9	1.1	0.0	0.0	4.8 5 µg/m³	3.8 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-Feb-06	12	12	13	12	11	N	11	8	10	10	14	10	19	15	29	32	30	27	25	8	3	0	0	0	13.6	31.8
2-Feb-06	0	0	0	0	0	0	5	6	11	19	30	24	28	18	10	15	25	38	17	10	2	0	0	0	10.7	38.2
3-Feb-06	0	0	0	1	1	1	5	8	9	12	17	16	1	0	0	0	0	1	0	2	0	0	0	0	3.0	17.1
4-Feb-06	0	D	0	0	0	0	0	0	1	0	3	4	4	2	5	5	19	10	5	5	13	8	4	3	4.0	19.2
5-Feb-06	4	5	2	3	4	2	3	2	2	2	2	3	4	2	4	2	2	2	2	2	2	2	2	1	2.5	5.0
6-Feb-06	1	2	2	2	3	3	4	5	8	7	17	13	11	9	12	23	19	19	17	15	19	14	10	10	10.2	22.5
7-Feb-06	11	11	8	9	11	13	10	14	13	13	13	12	11	6	7	6	6	13	9	17	10	12	13	13	10.9	17.1
8-Feb-06	15	15	13	0	D	D	D	0	1	0	0	0	0	0	1	1	0	1	1	1	1	1	2	1	2.6	15.4
9-Feb-06	1	1	1	1	1	1	1	2	4	2	2	2	0	0	0	0	1	2	8	9	9	11	3	5	2.8	11.0
10-Feb-06	4	4	2	5	2	2	2	5	7	13	15	0	0	C	C	C	C	8	11	8	8	6	4	3	5.5	15.4
11-Feb-06	4	4	2	0	0	0	2	2	6	6	8	6	5	4	6	8	10	5	11	11	10	7	8	7	5.6	11.2
12-Feb-06	7	8	6	2	0	0	0	0	1	2	2	2	2	0	1	1	0	0	0	0	0	0	0	1	1.5	7.9
13-Feb-06	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2	1	3	2	1	0	1	0.7	3.2
14-Feb-06	1	2	2	4	5	4	3	2	3	2	2	2	2	4	3	2	2	3	4	4	4	3	3	3	2.8	4.9
15-Feb-06	5	4	2	0	1	1	1	0	2	1	1	1	2	2	1	2	1	1	2	1	1	1	1	2	1.4	5.1
16-Feb-06	2	2	2	3	2	6	12	13	14	18	16	4	3	2	2	2	1	3	4	4	7	6	8	11	6.2	17.9
17-Feb-06	7	6	6	5	5	4	7	8	9	9	4	3	4	3	2	3	3	5	10	9	10	6	2	0	5.4	9.9
18-Feb-06	1	2	2	2	4	5	0	1	6	6	5	4	1	2	2	1	0	1	0	0	0	1	0	1	2.0	5.8
19-Feb-06	2	2	1	2	4	9	12	14	15	15	10	D	0	0	2	2	2	3	4	1	0	0	0	0	4.3	15.1
20-Feb-06	1	1	1	1	1	2	3	3	5	3	1	2	1	4	2	1	0	4	2	2	0	0	1	0	1.7	4.8
21-Feb-06	0	1	0	2	1	2	1	1	0	1	0	2	0	1	3	1	3	6	3	2	2	1	1	1	1.4	5.7
22-Feb-06	0	0	1	1	2	2	3	3	3	2	2	1	2	1	2	5	5	9	6	3	5	7	6	7	3.2	8.7
23-Feb-06	6	3	2	N	2	3	3	8	9	13	7	1	1	2	2	1	3	2	2	3	2	3	4	3	3.8	12.6
24-Feb-06	3	4	3	3	3	3	2	4	5	7	3	3	2	2	2	2	2	3	4	3	10	7	7	5	3.9	10.1
25-Feb-06	6	5	5	4	4	4	5	5	4	9	5	0	1	0	0	0	0	0	2	1	5	4	5	3	3.2	9.4
26-Feb-06	2	2	2	2	2	2	4	4	7	6	6	5	6	7	11	12	11	9	9	8	7	7	7	7	6.0	11.6
27-Feb-06	6	6	5	5	4	3	3	3	2	3	4	4	5	6	8	10	7	9	10	10	7	7	7	7	5.9	10.1
28-Feb-06	7	8	10	13	13	13	14	14	17	30	20	3	8	7	7	6	7	8	7	7	6	6	6	6	10.1	29.7
Hourly Avg	3.9	4.0	3.4	3.0	3.2	3.3	4.3	4.7	6.2	7.5	7.4	4.6	4.5	3.7	4.6	5.2	6.0	6.9	6.2	5.3	5.2	4.3	3.8	3.6		
Hourly Max	15.4	14.8	13.3	12.8	13.0	13.1	14.1	14.3	17.4	29.7	30.3	23.8	28.1	18.3	28.6	31.8	29.7	38.2	25.0	17.1	19.5	14.4	13.4	13.1		

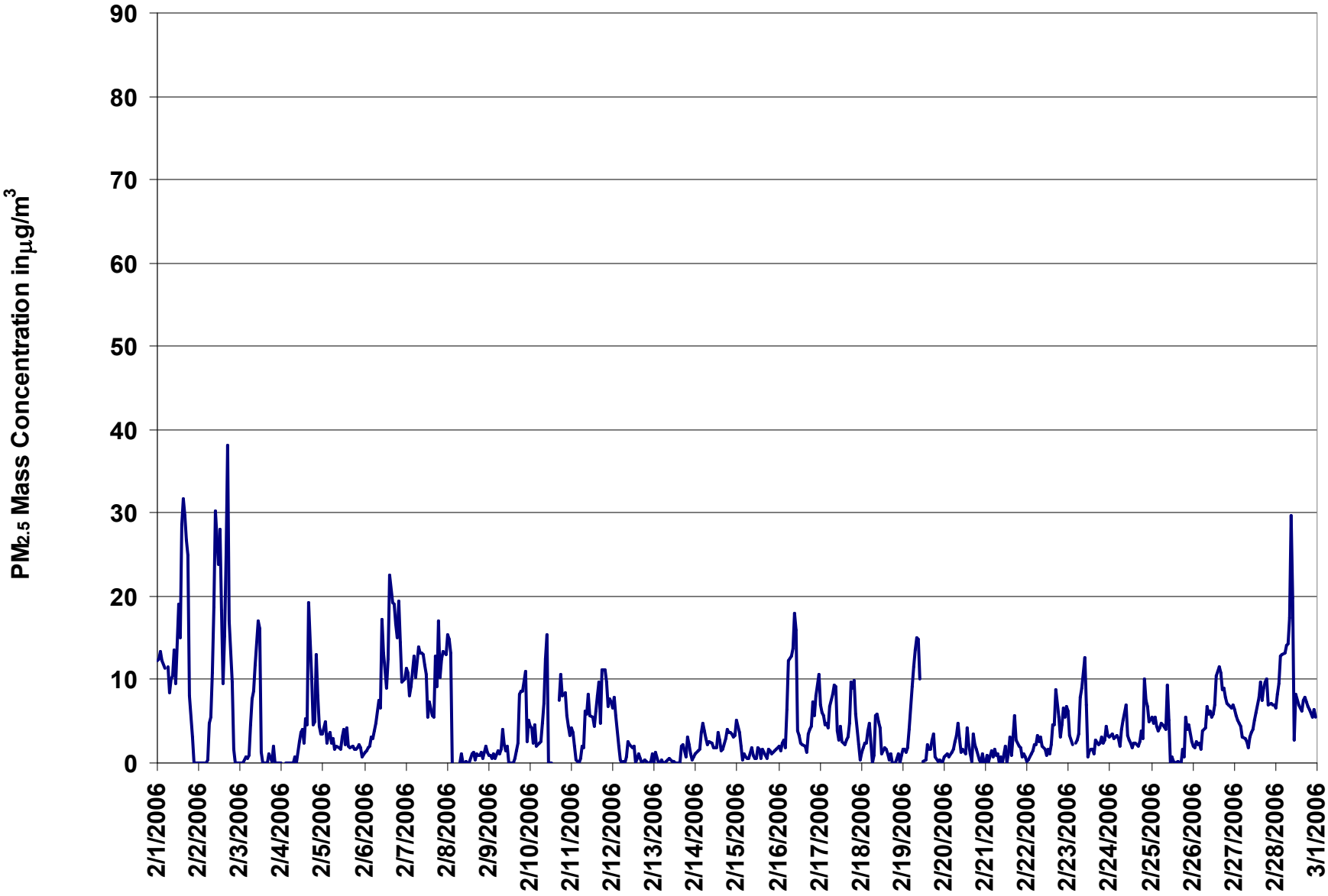


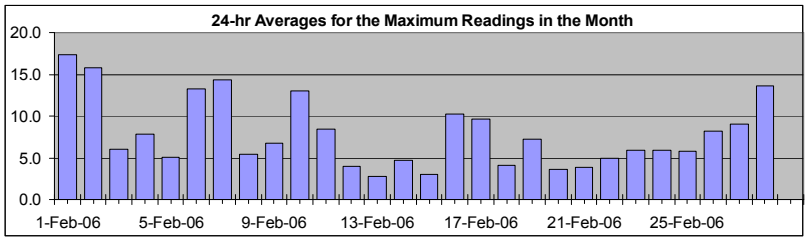
Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	57.2	µg/m³	2-Feb	17:00 18:00
Maximum 24-hr Value:	17.3	µg/m³	1-Feb	

AIC Time:	0 hrs	Operational Time:	661 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.0%

Percentile	99	95	75	50	25	5	1	Average / Median		Geomean
	32.9	22.0	9.8	5.3	3.1	1.2	0.0	7.8	8 µg/m˜	6.9 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-Feb-06	15	14	14	14	14	N	13	11	13	13	16	15	30	22	33	37	42	30	29	14	6	2	0	0	17.3	41.9
2-Feb-06	0	2	1	0	0	2	8	10	28	27	39	30	31	23	17	23	39	57	21	16	4	1	0	0	15.8	57.2
3-Feb-06	0	0	1	2	3	3	9	10	14	15	24	19	14	6	0	0	1	2	7	6	1	3	3	1	6.0	24.1
4-Feb-06	0	D	9	11	3	2	4	2	3	2	5	6	6	5	7	6	30	21	7	11	17	11	6	5	7.8	29.7
5-Feb-06	5	7	5	5	5	4	5	4	4	4	3	5	9	6	8	4	9	7	3	3	4	4	5	3	5.1	9.5
6-Feb-06	3	3	4	4	5	4	7	7	9	11	21	20	16	12	23	24	22	22	18	17	23	18	14	12	13.3	24.2
7-Feb-06	14	14	10	11	14	15	14	16	15	16	17	15	15	7	9	10	8	23	13	23	16	16	16	15	14.3	22.6
8-Feb-06	20	19	18	15	D	D	D	3	4	2	0	2	1	0	4	4	3	2	2	3	3	2	3	4	5.4	19.7
9-Feb-06	2	2	2	3	2	3	3	3	7	3	3	4	1	2	2	4	4	5	28	23	22	21	4	8	6.7	28.4
10-Feb-06	9	8	6	17	4	4	5	7	13	27	30	4	2	C	C	C	C	15	15	11	11	32	32	9	13.0	32.5
11-Feb-06	8	5	5	3	1	3	4	3	9	7	12	8	10	6	8	12	12	8	16	15	12	12	10	9	8.4	16.1
12-Feb-06	8	11	10	6	2	2	2	2	3	4	4	4	11	2	3	7	2	1	2	1	1	2	1	5	4.0	11.1
13-Feb-06	2	4	2	2	3	2	1	2	2	2	1	2	1	2	1	1	10	4	2	7	7	2	2	2	2.7	10.2
14-Feb-06	2	3	3	6	6	6	5	5	4	4	4	5	5	6	6	3	3	4	6	6	5	5	5	5	4.8	6.3
15-Feb-06	7	5	3	1	3	2	2	2	3	2	2	2	3	3	4	4	3	3	3	2	3	3	3	4	3.0	7.1
16-Feb-06	5	5	6	5	4	11	18	19	21	22	28	9	6	5	4	4	4	10	8	9	10	8	11	14	10.3	27.8
17-Feb-06	10	9	10	8	8	8	10	11	15	13	6	5	7	6	5	7	4	9	14	17	31	10	6	1	9.6	31.0
18-Feb-06	3	3	4	5	5	6	5	4	8	8	8	5	3	5	4	3	3	2	2	2	1	3	3	2	4.1	8.2
19-Feb-06	3	4	3	3	12	17	15	16	17	17	17	D	3	3	4	3	3	6	10	3	1	2	3	2	7.3	17.0
20-Feb-06	2	2	4	2	2	4	4	5	7	4	3	3	3	7	6	2	1	10	4	3	2	1	4	1	3.6	9.7
21-Feb-06	4	5	2	4	2	3	3	3	1	3	0	6	1	5	9	4	6	12	6	4	3	3	3	2	3.8	12.4
22-Feb-06	2	2	3	3	3	4	5	4	5	3	4	3	4	3	3	6	8	11	8	5	7	8	7	9	5.0	10.5
23-Feb-06	8	5	4	N	4	4	5	13	14	17	13	3	3	3	3	2	4	4	4	4	5	4	6	6	6.0	16.6
24-Feb-06	6	6	5	5	5	4	4	5	6	9	5	4	3	3	4	4	3	4	5	5	21	11	9	7	6.0	21.4
25-Feb-06	8	9	8	6	7	6	7	7	7	13	12	3	3	1	1	2	1	2	6	3	10	6	7	5	5.8	12.8
26-Feb-06	5	4	5	4	4	4	6	7	10	8	9	7	8	9	15	14	13	12	10	9	9	8	8	9	8.2	15.0
27-Feb-06	8	7	7	7	6	5	5	4	4	5	5	7	8	8	11	13	12	23	21	13	9	9	10	9	9.1	23.1
28-Feb-06	10	12	16	16	15	16	17	20	20	37	32	12	10	10	9	8	9	10	9	8	8	8	8	7	13.7	36.8
Hourly Avg	6.0	6.4	6.1	6.3	5.3	5.5	6.8	7.4	9.5	10.7	11.6	7.7	7.7	6.3	7.5	7.8	9.7	11.4	10.0	8.7	9.0	7.7	6.8	5.6		
Hourly Max	19.7	18.8	18.4	16.7	15.4	16.6	17.5	20.3	28.4	36.8	39.0	29.8	31.2	22.6	33.5	37.3	41.9	57.2	29.1	22.6	31.0	32.5	31.7	15.0		

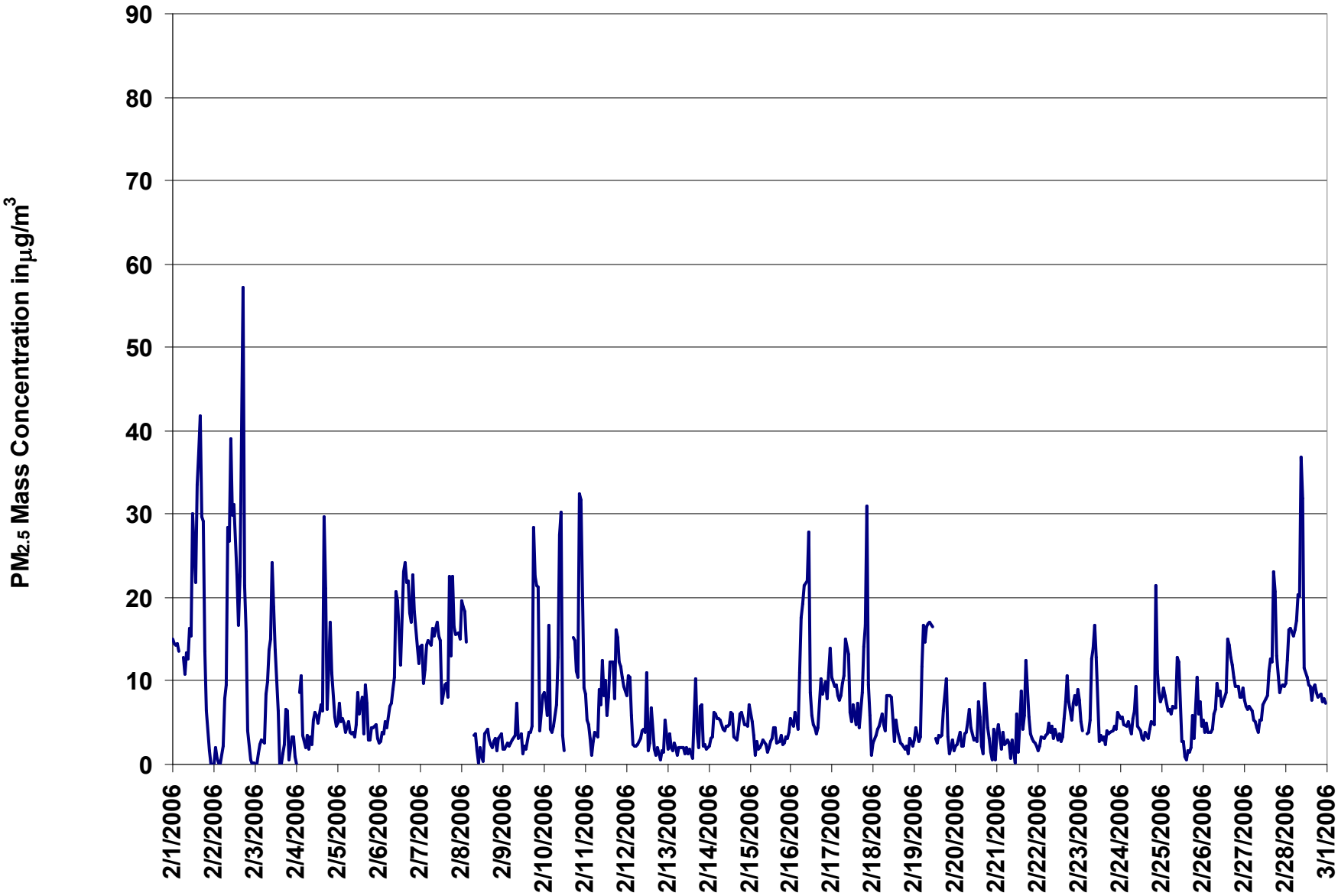
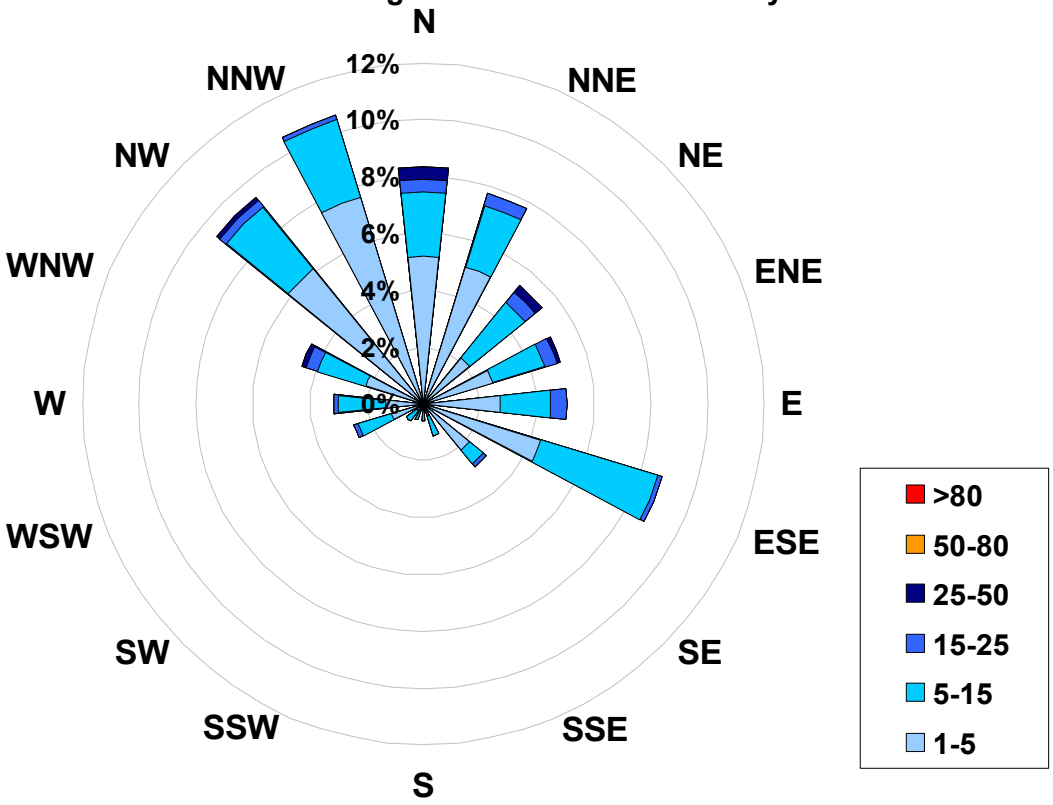


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 February 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	439
5	to	15	188
15	to	25	26
25	to	50	8
50	to	80	0
	>	80	0
Total Non-Zero Values			661

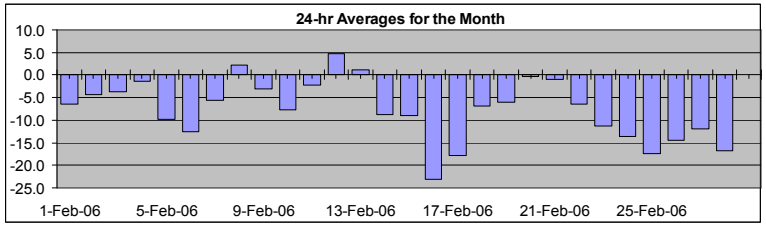
PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	10.5	°C	12-Feb	16:00 17:00
Maximum 24-hr Value:	4.7	°C	12-Feb	

AIC Time:	0 hrs	Operational Time:	670 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average	Median
	7.5	4.2	-1.2	-7.7	-12.3	-22.2	-29.2	-7.7 °C	-7.7 °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-Feb-06	-17	-17	-16	-14	-13	N	-11	-12	-12	-11	-8	-4	-3	-1	0	0	-2	-4	-3	0	1	1	1	0	-6.4	1.3
2-Feb-06	-1	-4	-6	-8	-10	-11	-11	-12	-13	-13	-9	-4	-1	3	6	5	1	-2	-3	-4	-3	-1	0	-1	-4.3	5.7
3-Feb-06	-3	-7	-9	-10	-10	-10	-10	-10	-11	-10	-6	0	4	5	5	5	4	2	-2	-3	-3	-4	-4	-4	-3.7	5.4
4-Feb-06	-3	-2	-1	-1	-1	-1	-1	0	0	-1	-1	-1	-1	0	1	1	0	0	-1	-1	-3	-5	-6	-7	-1.4	0.9
5-Feb-06	-7	-8	-9	-10	-10	-10	-11	-12	-11	-11	-11	-10	-9	-9	-7	-6	-7	-7	-8	-8	-11	-12	-13	-14	-9.7	-6.4
6-Feb-06	-16	-17	-17	-18	-19	-19	-19	-18	-18	-18	-14	-10	-8	-6	-4	-4	-5	-8	-9	-11	-10	-10	-11	-12	-12.6	-3.7
7-Feb-06	-12	-12	-12	-13	-12	-12	-10	-10	-10	-9	-7	-5	-3	-1	-1	0	1	0	-1	-1	-1	-1	-1	-2	-5.7	0.7
8-Feb-06	-3	-3	-2	4	4	4	4	3	2	2	3	4	5	5	5	4	4	3	2	1	0	0	-1	-1	2.1	5.1
9-Feb-06	-1	-1	-2	-2	-3	-3	-4	-5	-5	-5	-3	-1	0	1	2	2	2	-1	-4	-4	-7	-9	-9	-11	-3.1	1.9
10-Feb-06	-12	-14	-15	-15	-16	-17	-17	-17	-15	-13	-9	-6	-3	-2	2	2	3	1	-3	-4	-4	-2	-3	-6	-7.7	2.7
11-Feb-06	-7	-8	-5	-4	-3	-9	-10	-10	-10	-9	-2	2	4	6	7	7	8	5	0	-2	-3	-3	-5	-5	-2.3	7.7
12-Feb-06	-6	-7	-5	-1	4	4	4	4	3	2	6	7	9	9	9	10	11	9	7	7	7	6	6	6	4.7	10.5
13-Feb-06	5	5	4	3	2	2	1	1	1	1	1	2	3	2	2	2	2	1	0	-1	-2	-3	-3	-3	1.1	5.4
14-Feb-06	-4	-4	-4	-4	-4	-4	-5	-8	-10	-11	-12	-12	-12	-12	-11	-11	-10	-11	-11	-12	-11	-10	-9	-9	-8.7	-3.8
15-Feb-06	-8	-8	-8	-9	-9	-10	-9	-9	-8	-6	-6	-5	-5	-4	-4	-5	-6	-7	-10	-12	-14	-16	-18	-19	-9.0	-3.9
16-Feb-06	-21	-23	-24	-25	-26	-27	-28	-29	-29	-26	-20	-19	-18	-17	-17	-16	-16	-17	-21	-24	-26	-27	-28	-28	-23.2	-16.3
17-Feb-06	-29	-30	-30	-30	-30	-30	-30	-30	-29	-25	-20	-17	-13	-10	-7	-5	-4	-4	-7	-9	-10	-12	-9	-8	-17.7	-3.8
18-Feb-06	-8	-8	-8	-8	-8	-8	-8	-8	-7	-6	-5	-4	-4	-4	-3	-3	-3	-3	-6	-9	-11	-11	-13	-14	-6.9	-2.8
19-Feb-06	-14	-15	-15	-16	-16	-15	-15	-14	-13	-10	-5	0	1	1	2	3	3	2	0	-1	-2	-3	-2	-2	-6.1	3.1
20-Feb-06	-2	-2	-3	-3	-2	-2	-1	-1	-2	-2	-1	0	2	2	3	3	3	2	1	0	-1	0	0	0	-0.3	2.8
21-Feb-06	0	0	0	-1	-2	-1	-1	-2	-3	-1	0	1	2	3	1	0	0	0	-1	-2	-3	-3	-4	-4	-0.9	2.5
22-Feb-06	-5	-5	-6	-6	-6	-6	-6	-7	-7	-6	-6	-5	-5	-4	-4	-4	-4	-6	-8	-10	-12	-10	-9	-9	-6.5	-4.0
23-Feb-06	-9	-8	-9	N	-11	-13	-15	-16	-16	-14	-11	-10	-9	-8	-8	-8	-9	-10	-11	-12	-13	-14	-14	-13	-11.4	-7.5
24-Feb-06	-14	-14	-14	-14	-14	-14	-14	-14	-15	-15	-13	-13	-12	-11	-10	-10	-10	-10	-14	-17	-17	-17	-16	-17	-13.7	-9.9
25-Feb-06	-18	-20	-21	-20	-19	-19	-19	-20	-21	-18	-15	-14	-14	-13	-11	-11	-12	-13	-16	-20	-21	-22	-22	-20	-17.5	-11.1
26-Feb-06	-19	-18	-18	-18	-18	-18	-19	-18	-18	-17	-15	-13	-11	-10	-10	-10	-10	-11	-13	-13	-14	-13	-13	-12	-14.5	-9.6
27-Feb-06	-12	-12	-11	-11	-11	-11	-11	-11	-11	-11	-10	-9	-8	-8	-8	-10	-10	-10	-11	-13	-17	-19	-21	-22	-12.0	-7.8
28-Feb-06	-23	-24	-25	-26	-26	-27	-27	-27	-25	-21	-17	-13	-11	-9	-8	-8	-9	-10	-11	-11	-11	-11	-11	-11	-16.8	-7.5
Hourly Avg	-9.6	-10.2	-10.4	-10.4	-10.3	-10.7	-10.9	-11.1	-11.2	-10.2	-7.7	-5.7	-4.2	-3.2	-2.4	-2.3	-2.8	-4.0	-5.9	-7.0	-8.0	-8.3	-8.4	-8.9		
Hourly Max	5.4	4.6	3.6	3.9	4.0	4.2	4.2	4.2	2.8	2.4	6.1	6.8	8.8	9.4	9.5	9.7	10.5	8.6	6.7	6.5	7.2	6.3	6.0	6.1		

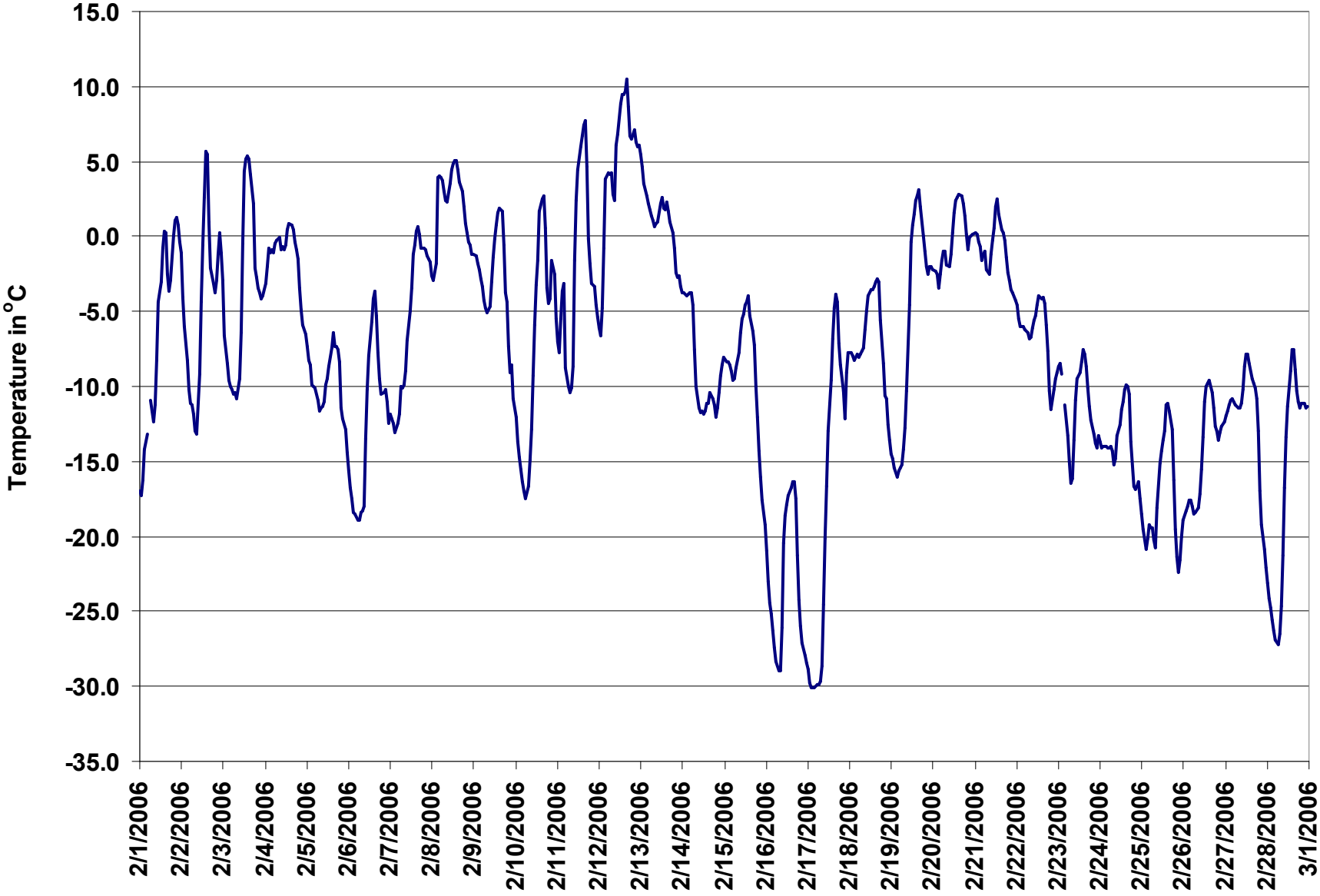


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

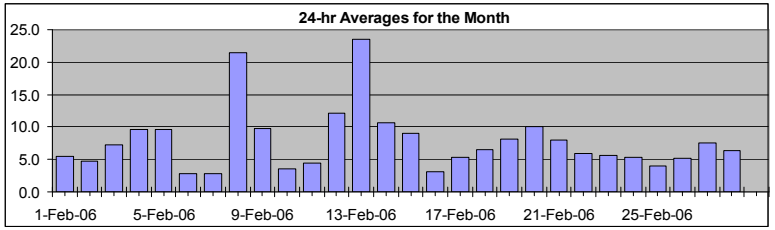
PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	35.0	km/hr	8-Feb	13:00 14:00
Maximum 24-hr Value:	23.6	km/hr	13-Feb	

Calm Time:	0 hrs	**0%** calms	Operational Time:	670 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	AverageS
	30.4	21.5	10.2	6.1	3.4	1.9	1.5	7.8 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-Feb-06	2	2	2	2	2	N	3	2	2	3	2	4	5	5	4	4	4	4	7	11	16	16	13	10	5.5	15.8
2-Feb-06	8	4	4	2	3	3	4	3	3	3	3	3	3	3	5	3	2	3	3	7	7	11	14	11	4.8	13.8
3-Feb-06	8	4	3	2	2	2	3	4	3	3	3	3	14	21	24	23	16	10	5	5	4	3	4	6	7.3	23.6
4-Feb-06	8	8	7	7	9	10	9	10	9	11	8	7	7	8	9	10	8	9	10	12	15	16	13	12	9.6	15.5
5-Feb-06	16	11	15	10	11	12	12	11	9	10	12	12	12	13	12	13	9	6	5	3	5	4	2	2	9.6	15.9
6-Feb-06	2	2	2	2	2	2	2	2	2	2	2	4	3	3	4	4	4	3	3	3	3	4	3	3	2.8	4.3
7-Feb-06	3	2	3	4	3	2	2	3	2	2	3	4	4	4	4	4	2	2	2	4	2	2	2	3	2.9	4.3
8-Feb-06	4	3	4	20	17	19	23	23	22	22	27	33	32	35	32	30	26	22	24	26	21	16	18	14	21.4	35.0
9-Feb-06	15	16	15	15	13	12	12	10	10	13	11	12	11	11	10	10	8	7	4	6	2	4	3	4	9.7	16.1
10-Feb-06	2	1	2	2	2	2	2	3	2	2	4	4	5	8	4	5	4	5	3	4	7	7	5	3	3.6	7.5
11-Feb-06	3	4	6	7	6	4	4	4	6	3	3	7	6	4	5	5	4	4	5	3	3	4	4	5	4.5	7.0
12-Feb-06	3	4	5	7	12	11	14	9	8	6	12	8	17	17	17	20	15	12	7	11	17	14	18	25	12.1	24.7
13-Feb-06	24	34	26	24	30	30	29	28	22	24	23	28	31	29	28	27	22	20	20	18	18	14	12	7	23.6	33.9
14-Feb-06	5	6	6	10	8	8	17	14	19	19	18	14	14	13	11	14	11	9	7	5	6	7	7	7	10.7	19.2
15-Feb-06	11	9	8	8	5	7	8	9	9	10	15	14	8	7	13	12	10	12	8	8	9	7	6	5	9.1	15.4
16-Feb-06	4	2	4	3	1	2	2	2	2	2	3	4	6	7	6	6	5	4	2	1	2	2	2	3	3.2	6.5
17-Feb-06	3	2	4	4	2	3	2	2	2	3	7	5	10	9	9	10	8	6	4	5	5	5	8	12	5.4	11.7
18-Feb-06	10	9	7	6	5	5	6	5	4	6	7	6	8	11	11	10	9	8	3	5	5	4	2	3	6.5	11.1
19-Feb-06	2	3	2	1	2	2	2	2	3	2	7	14	16	17	17	15	14	12	10	12	11	10	12	11	8.2	17.2
20-Feb-06	6	5	4	3	6	8	13	13	15	15	15	16	15	17	14	11	7	8	10	7	6	10	8	9	10.0	16.8
21-Feb-06	11	9	4	7	6	12	7	4	4	5	11	6	9	12	10	10	8	7	9	8	9	8	7	6	7.9	11.8
22-Feb-06	7	6	6	6	7	7	8	9	9	9	9	10	9	7	6	5	4	3	4	2	3	2	2	3	5.9	10.0
23-Feb-06	5	5	3	N	3	2	2	3	3	3	5	6	7	8	9	14	12	12	9	5	6	3	4	4	5.6	13.5
24-Feb-06	5	4	3	3	4	4	3	6	7	9	8	8	10	9	8	9	7	5	3	2	2	3	3	2	5.3	9.7
25-Feb-06	2	2	2	2	2	2	2	1	2	2	3	6	5	6	9	9	9	7	4	4	3	4	6	5	4.0	9.0
26-Feb-06	3	4	6	5	2	2	2	4	4	4	7	6	5	6	6	5	6	7	6	6	5	7	8	8	5.1	7.8
27-Feb-06	8	9	10	10	11	12	12	10	10	9	8	10	6	6	7	7	8	7	7	5	3	4	2	2	7.6	12.2
28-Feb-06	2	2	3	2	2	2	2	4	3	4	4	5	8	11	11	13	11	7	8	8	10	10	11	7	6.4	12.9
1-hr Average	6.4	6.1	6.0	6.4	6.4	7.0	7.3	7.0	7.0	7.4	8.6	9.3	10.1	11.0	10.9	11.0	9.1	7.9	6.9	7.0	7.2	7.1	7.1	6.8		
Hourly Max	24.1	33.9	26.4	23.6	30.3	30.4	29.2	27.9	21.8	23.5	26.9	33.1	32.3	35.0	31.6	30.3	26.0	21.9	24.4	25.8	21.3	16.2	17.8	24.7		

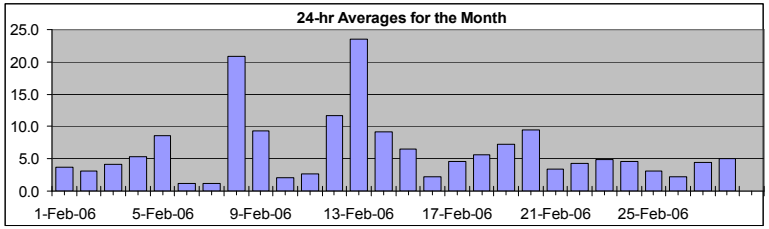
PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	34.8	km/hr	8-Feb	13:00 14:00
Maximum 24-hr Value:	23.5	km/hr	13-Feb	

Calm Time:	32 hrs	**5%** calms			Operational Time:			638 hrs		
Calibration Time:	0 hrs				AMD Operational Uptime:			99.7%		
Percentile	99	95	75	50	25	5	1			AverageV
	30.2	21.7	10.2	6.0	2.9	1.1	0.8			5.3 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-Feb-06	1	1	calm	calm	calm	N	3	1	2	2	2	2	5	4	4	3	3	4	6	11	15	16	13	10	3.7	15.8
2-Feb-06	7	4	4	2	1	1	1	2	1	1	1	2	2	3	4	2	calm	2	2	7	7	10	14	11	3.1	13.7
3-Feb-06	7	3	3	calm	1	1	2	2	1	calm	1	1	14	21	23	23	15	9	4	4	2	3	4	6	4.2	23.4
4-Feb-06	8	8	7	6	8	9	9	10	9	10	8	6	7	8	8	9	7	9	10	12	14	15	12	12	5.3	15.4
5-Feb-06	16	11	15	10	10	12	11	10	9	9	12	12	12	13	11	11	9	5	5	2	5	4	2	1	8.7	15.5
6-Feb-06	2	1	1	1	1	1	2	1	1	1	1	2	2	2	4	3	4	3	3	2	3	4	3	2	1.2	4.1
7-Feb-06	1	1	2	4	2	1	2	2	1	1	1	2	3	3	3	3	2	2	1	4	calm	calm	1	1	1.1	3.6
8-Feb-06	2	2	3	19	17	19	23	23	21	22	27	33	32	35	31	30	26	22	24	26	21	16	18	14	20.9	34.8
9-Feb-06	15	16	15	15	13	12	12	10	10	13	11	12	10	10	10	9	8	7	3	6	2	3	3	4	9.4	16.1
10-Feb-06	1	calm	2	calm	1	1	1	2	calm	calm	3	4	5	7	3	3	3	4	3	3	7	6	5	calm	2.0	7.4
11-Feb-06	2	2	5	7	6	3	4	3	6	2	3	7	5	4	5	5	3	4	5	2	2	2	3	2	2.7	6.8
12-Feb-06	2	2	4	6	11	11	14	8	7	5	12	8	17	17	16	20	15	12	7	11	17	14	17	25	11.7	24.6
13-Feb-06	24	34	26	23	30	30	29	28	22	23	23	27	30	29	28	26	22	19	20	18	17	14	12	7	23.5	33.7
14-Feb-06	5	6	6	10	8	8	17	13	18	19	18	13	14	13	10	13	11	9	7	5	5	6	7	7	9.2	19.0
15-Feb-06	11	9	8	7	5	7	7	8	9	10	15	14	8	7	13	12	10	12	8	8	9	6	6	5	6.5	15.1
16-Feb-06	4	2	4	2	1	calm	calm	2	2	1	2	2	4	6	5	5	5	4	calm	calm	2	calm	1	3	2.2	5.8
17-Feb-06	2	1	3	4	calm	3	1	2	1	2	6	5	9	9	8	10	8	6	4	5	5	5	8	12	4.6	11.6
18-Feb-06	10	9	7	6	5	5	6	5	4	6	7	6	7	11	11	10	9	7	3	5	4	4	2	calm	5.7	10.9
19-Feb-06	1	2	1	calm	1	1	calm	calm	2	1	6	14	16	17	17	14	14	12	10	12	11	10	12	11	7.2	17.1
20-Feb-06	6	4	4	2	6	8	12	13	15	15	15	16	15	17	14	10	7	8	9	6	6	10	8	9	9.5	16.6
21-Feb-06	9	8	2	4	5	12	7	4	3	4	11	5	9	11	8	9	7	5	9	8	9	7	7	6	3.4	11.8
22-Feb-06	6	6	6	5	7	7	7	8	9	9	8	10	7	5	5	4	2	1	3	1	calm	1	2	3	4.2	9.6
23-Feb-06	5	5	3	N	2	calm	1	2	2	calm	5	6	7	8	9	13	12	12	9	5	6	2	3	4	4.9	13.3
24-Feb-06	5	4	3	3	4	4	3	6	7	8	7	8	9	9	8	8	7	5	1	1	calm	2	3	1	4.6	9.5
25-Feb-06	2	1	1	1	2	2	1	calm	1	calm	2	5	5	5	9	8	9	7	4	4	3	4	5	5	3.1	8.7
26-Feb-06	3	4	6	5	2	2	1	3	3	3	7	6	4	5	6	5	6	7	6	6	5	7	8	7	2.2	7.6
27-Feb-06	8	9	10	10	10	12	11	10	9	9	8	10	5	6	5	6	7	7	6	5	1	2	calm	1	4.4	12.0
28-Feb-06	1	calm	1	1	calm	1	1	2	1	3	4	5	7	11	11	13	11	7	7	8	10	10	11	7	5.0	12.7
1-hr Vector	3.0	2.6	2.5	3.3	3.5	3.6	4.2	3.9	4.0	4.4	5.8	6.8	7.7	7.9	7.5	7.4	5.4	4.4	3.5	3.2	3.4	3.3	3.4	3.2		
Hourly Max	24.0	33.7	26.2	23.4	30.1	30.2	29.0	27.6	21.6	23.4	26.7	32.9	32.1	34.8	31.5	30.2	25.8	21.8	24.3	25.7	21.2	16.1	17.7	24.6		

PASZA - Evergreen Park - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:																				670 hrs
Calibration Time:	0 hrs						AMD Operational Uptime:																				99.7%
Percentile	99	95	75	50	25	5	1	Average																			
	356.0	348.8	322.3	239.6	80.3	13.0	3.1	347 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-Feb-06	73	15	322	191	324	N	293	153	257	218	258	296	59	71	40	42	8	305	300	313	313	312	302	302	318	NW
2-Feb-06	290	269	263	259	134	113	296	109	85	3	349	1	350	315	301	32	139	283	300	267	282	274	278	286	291	WNW
3-Feb-06	277	130	257	261	124	94	78	265	247	249	87	46	295	312	316	315	303	291	258	240	137	151	126	132	298	WNW
4-Feb-06	133	156	176	144	138	135	141	138	135	128	130	86	62	60	20	27	7	19	17	27	28	29	21	6	71	ENE
5-Feb-06	20	22	12	1	356	16	18	23	359	356	350	351	6	10	343	11	25	8	22	343	264	268	257	204	4	N
6-Feb-06	114	134	200	179	251	94	106	66	59	132	291	314	335	348	57	52	97	73	49	83	24	10	358	295	44	NE
7-Feb-06	277	181	154	115	79	340	211	36	46	34	161	257	42	81	49	70	103	64	12	324	42	353	4	351	49	NE
8-Feb-06	14	186	14	344	317	313	314	313	314	319	324	331	334	329	333	330	330	330	329	324	326	328	329	335	327	NNW
9-Feb-06	332	331	331	331	336	339	341	333	335	334	338	340	338	350	3	0	8	43	6	341	9	17	3	326	343	NNW
10-Feb-06	284	121	269	19	149	110	96	59	155	22	347	287	277	266	304	18	66	6	358	7	331	351	20	2	345	NNW
11-Feb-06	304	345	337	347	336	259	262	268	272	270	281	332	339	36	58	45	83	127	39	36	353	18	311	337	343	NNW
12-Feb-06	264	73	319	338	323	322	321	347	350	329	337	355	337	344	340	340	342	348	349	351	333	326	329	326	336	NNW
13-Feb-06	334	328	322	323	330	326	321	322	326	325	328	331	330	330	328	328	330	331	325	342	337	324	322	330	328	NNW
14-Feb-06	4	11	3	31	17	19	46	41	15	16	20	6	11	6	344	358	337	330	297	281	266	282	319	354	4	N
15-Feb-06	20	23	19	11	341	347	352	3	330	349	16	25	30	54	71	91	96	84	98	105	102	122	108	86	44	NE
16-Feb-06	67	84	51	76	86	298	290	36	259	76	94	36	28	50	49	60	70	73	57	72	220	51	308	284	51	NE
17-Feb-06	253	89	243	252	167	251	41	229	239	260	296	300	314	322	315	305	309	305	313	313	301	327	322	314	303	WNW
18-Feb-06	320	322	320	316	324	314	314	306	319	311	322	316	334	321	323	317	331	319	248	242	235	247	112	223	313	NW
19-Feb-06	97	224	113	145	290	95	87	259	256	205	328	324	321	323	327	325	319	312	311	305	304	309	306	307	315	NW
20-Feb-06	326	321	321	35	14	356	337	338	330	325	319	328	332	334	333	345	352	320	333	294	300	308	316	282	329	NNW
21-Feb-06	303	18	293	303	315	300	294	268	234	262	306	341	325	332	52	335	333	345	102	104	103	113	108	111	340	NNW
22-Feb-06	117	117	103	97	80	80	27	24	16	15	14	19	348	359	32	349	353	38	104	149	67	63	112	111	44	NE
23-Feb-06	115	115	142	N	60	46	254	307	87	106	109	113	112	98	101	105	97	103	106	100	87	44	33	60	98	E
24-Feb-06	35	11	24	11	350	350	351	317	318	322	339	325	317	330	323	325	6	17	352	110	349	334	301	239	338	NNW
25-Feb-06	263	43	48	31	338	322	354	29	85	52	30	37	67	66	96	101	110	104	93	108	82	108	115	118	83	E
26-Feb-06	116	115	123	123	67	102	342	263	339	337	307	301	317	322	42	58	85	107	105	104	105	115	122	122	83	E
27-Feb-06	122	124	127	134	141	139	134	132	131	133	140	142	151	102	63	359	351	333	325	327	281	210	99	126	123	ESE
28-Feb-06	74	45	340	350	297	61	45	318	275	61	105	64	84	115	108	107	114	121	120	117	112	115	113	106	101	E
Hourly Avg	348	9	344	353	346	345	343	342	336	340	342	345	344	347	356	357	0	358	354	343	341	337	339	333		

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

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 670 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.7%

Percentile	99	95	75	50	25	5	1
	63.0	54.5	30.2	14.6	9.6	5.5	4.1

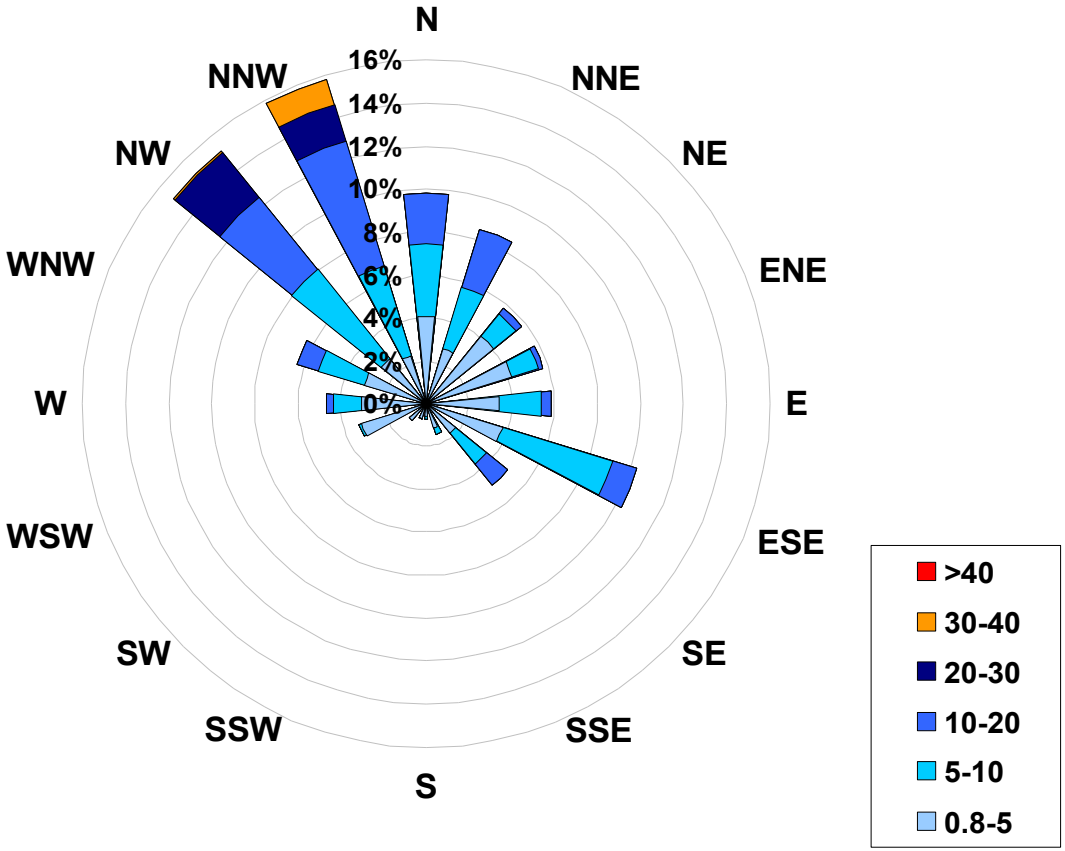
Status Flag Characters

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-Feb-06	50	26	56	52	38	N	29	60	50	22	31	37	21	27	16	24	32	18	24	5	4	4	5	7	59.8
2-Feb-06	11	15	11	46	23	52	60	49	35	58	31	45	30	26	20	40	70	26	27	5	9	8	4	3	70.5
3-Feb-06	8	38	26	60	38	60	66	50	54	56	60	58	18	8	7	7	7	9	16	34	50	36	7	6	65.6
4-Feb-06	7	12	12	13	13	11	11	10	11	11	18	23	23	19	21	15	15	15	13	11	12	8	12	14	23.3
5-Feb-06	10	12	12	11	14	13	13	14	14	15	14	17	17	18	15	19	14	18	15	36	23	15	48	24	47.9
6-Feb-06	7	14	24	35	43	47	15	35	23	45	44	37	46	43	28	27	12	13	14	39	20	21	41	58	58.3
7-Feb-06	39	39	29	25	36	61	45	47	32	51	53	43	41	24	22	20	24	45	50	39	47	64	61	42	64.0
8-Feb-06	53	51	37	12	6	7	8	7	5	5	6	6	6	6	6	6	6	5	5	5	5	6	6	6	53.0
9-Feb-06	6	5	5	6	8	9	8	6	10	6	7	10	12	16	18	17	12	10	31	13	32	17	37	25	36.6
10-Feb-06	49	52	41	37	35	34	34	23	37	44	54	27	25	10	57	40	36	23	25	39	6	18	18	31	56.8
11-Feb-06	51	25	33	10	11	19	25	24	6	30	12	12	13	32	20	8	19	20	9	48	37	57	36	50	56.6
12-Feb-06	55	50	51	14	9	13	7	24	14	30	14	18	8	9	8	7	10	14	14	20	7	7	5	5	55.5
13-Feb-06	6	5	7	6	5	5	6	6	7	6	7	6	6	6	6	7	6	7	5	9	11	6	7	10	11.1
14-Feb-06	17	13	14	10	11	12	12	14	10	9	11	15	14	14	19	19	14	12	7	13	8	11	11	14	19.3
15-Feb-06	8	9	10	14	14	14	12	12	11	14	10	9	17	18	13	13	11	9	8	9	7	9	15	12	17.6
16-Feb-06	15	22	15	23	27	55	59	28	31	23	32	52	29	24	28	23	20	14	49	52	12	35	41	11	59.4
17-Feb-06	45	34	11	7	54	26	31	40	50	35	10	19	10	12	11	6	7	5	6	7	5	12	7	5	54.3
18-Feb-06	6	7	6	7	12	6	7	9	18	9	9	12	15	11	11	9	12	10	12	7	11	21	20	28	27.7
19-Feb-06	28	39	27	48	63	29	50	72	48	40	13	8	7	7	7	8	6	5	5	3	3	5	4	6	72.3
20-Feb-06	10	10	17	46	11	16	11	11	10	8	7	8	8	10	10	15	20	19	18	10	11	5	9	6	46.1
21-Feb-06	33	29	35	16	15	4	7	8	20	16	6	34	19	16	22	14	22	22	9	10	10	16	14	14	35.2
22-Feb-06	13	12	12	10	10	10	11	10	8	13	16	16	22	27	25	26	44	43	17	61	55	54	32	18	61.3
23-Feb-06	7	7	24	N	27	55	45	48	42	53	14	16	15	12	12	10	10	9	9	14	7	22	30	18	54.5
24-Feb-06	15	16	19	25	13	17	28	7	9	8	21	13	13	19	14	18	21	13	40	43	53	33	14	57	57.2
25-Feb-06	31	34	33	30	36	55	30	56	66	51	29	12	20	25	16	14	11	10	9	9	11	9	5	7	65.5
26-Feb-06	12	12	8	13	33	25	36	41	25	21	11	13	18	28	21	24	16	12	7	7	6	8	14	13	40.6
27-Feb-06	10	12	13	12	12	11	13	13	12	14	19	19	36	33	19	25	18	18	11	20	49	36	63	44	62.6
28-Feb-06	51	64	35	75	56	36	39	21	58	29	20	32	19	14	12	11	11	19	12	11	9	11	7	9	74.9
Hourly Max	55	64	56	75	63	61	66	72	66	58	60	58	46	43	57	40	70	45	50	61	55	64	63	58	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	279
5	to	10	215
10	to	20	137
20	to	30	30
30	to	40	9
	>	40	0
Total Non-Zero Values			670

PASZA – Smoky Heights Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Smoky Heights - Sulphur Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

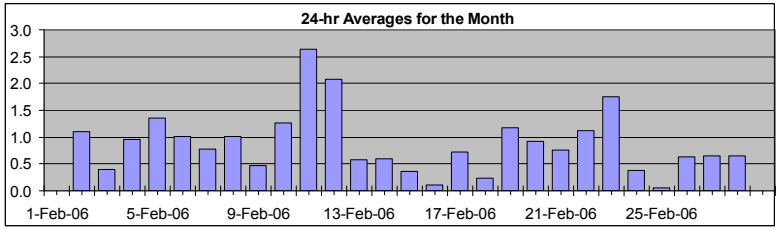
Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	10.0	ppb	1-Feb	17:00 18:00
Maximum 24-hr Average:	2.6	ppb	11-Feb	



AIC Time:	30 hrs	Operational Time:	637 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	4.9	3.0	1.2	0.6	0.2	0.0	0.0	0.9 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-Feb-06	0	A	1	1	1	N	0	1	0	0	1	C	C	C	C	A	3	10	2	2	9	1	0	0	N	10.0
2-Feb-06	1	1	0	0	0	A	0	1	1	0	1	1	1	2	1	1	1	1	1	5	3	1	1	1	1.1	5.1
3-Feb-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	0.4	1.0
4-Feb-06	0	0	0	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1.0	1.8
5-Feb-06	1	1	A	1	5	1	1	1	0	1	2	4	1	5	1	1	4	1	0	0	0	0	0	0	1.4	5.3
6-Feb-06	0	A	0	0	0	0	0	0	0	1	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1.0	2.5
7-Feb-06	A	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	A	0.8	1.8
8-Feb-06	2	2	1	1	0	0	0	0	0	0	0	0	1	0	3	1	1	2	3	0	1	2	A	1	1.0	3.4
9-Feb-06	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	A	1	1	0.5	1.9
10-Feb-06	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	2	1	1	0	1	A	1	3	3	1.3	3.5
11-Feb-06	3	8	4	4	3	2	3	3	3	4	1	1	2	2	2	1	1	5	6	A	2	0	0	1	2.6	8.1
12-Feb-06	1	4	3	0	0	4	0	2	3	1	5	2	4	0	0	2	3	4	A	3	1	3	1	0	2.1	4.5
13-Feb-06	0	0	1	2	0	0	0	1	1	0	0	0	1	1	0	0	1	A	0	0	2	0	1	1	0.6	1.9
14-Feb-06	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	A	3	1	1	2	2	1	0	0.6	2.9
15-Feb-06	1	1	1	0	0	0	0	0	1	2	1	0	0	0	0	A	0	0	0	0	0	0	0	0	0.4	2.5
16-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.4
17-Feb-06	0	0	0	1	0	0	1	1	0	1	1	1	2	A	1	1	2	1	1	1	1	1	0	0	0.7	1.9
18-Feb-06	1	0	0	0	0	0	0	0	0	0	1	0	A	0	1	0	0	0	0	0	0	0	0	0	0.2	0.7
19-Feb-06	0	0	0	0	1	4	3	3	1	1	0	A	2	0	0	0	0	1	1	1	1	0	1	3	1.2	4.5
20-Feb-06	0	0	0	1	0	0	1	1	1	2	A	1	0	1	1	1	0	1	0	0	1	3	2	2	0.9	3.5
21-Feb-06	1	0	0	1	1	1	2	1	1	A	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0.8	2.5
22-Feb-06	0	0	0	0	0	0	0	0	A	0	0	1	1	1	1	1	2	2	4	3	1	1	2	3	1.1	4.3
23-Feb-06	3	2	2	2	2	2	3	A	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.8	2.7
24-Feb-06	0	0	0	0	0	0	A	0	0	0	0	0	1	2	1	2	0	1	1	0	0	0	0	0	0.4	2.0
25-Feb-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	0.3
26-Feb-06	0	0	0	0	A	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	1	1	1	1	0.6	1.6
27-Feb-06	0	1	0	A	1	1	1	0	0	0	0	0	0	1	1	1	1	2	2	1	1	0	0	0	0.6	1.7
28-Feb-06	0	1	A	1	0	0	0	0	0	0	0	1	1	3	2	1	1	1	1	1	1	0	0	0	0.6	2.6
Hourly Avg	0.6	1.1	0.7	0.7	0.7	0.9	0.7	0.7	0.7	0.8	0.8	0.8	1.2	1.2	1.0	1.0	1.2	1.5	1.1	0.9	1.1	0.9	0.8	0.8		
Hourly Max	2.9	8.1	3.7	3.9	5.3	4.5	3.3	3.3	2.8	3.8	4.5	3.7	4.0	5.3	3.0	2.5	4.1	10.0	5.6	5.1	8.5	3.5	3.5	3.3		

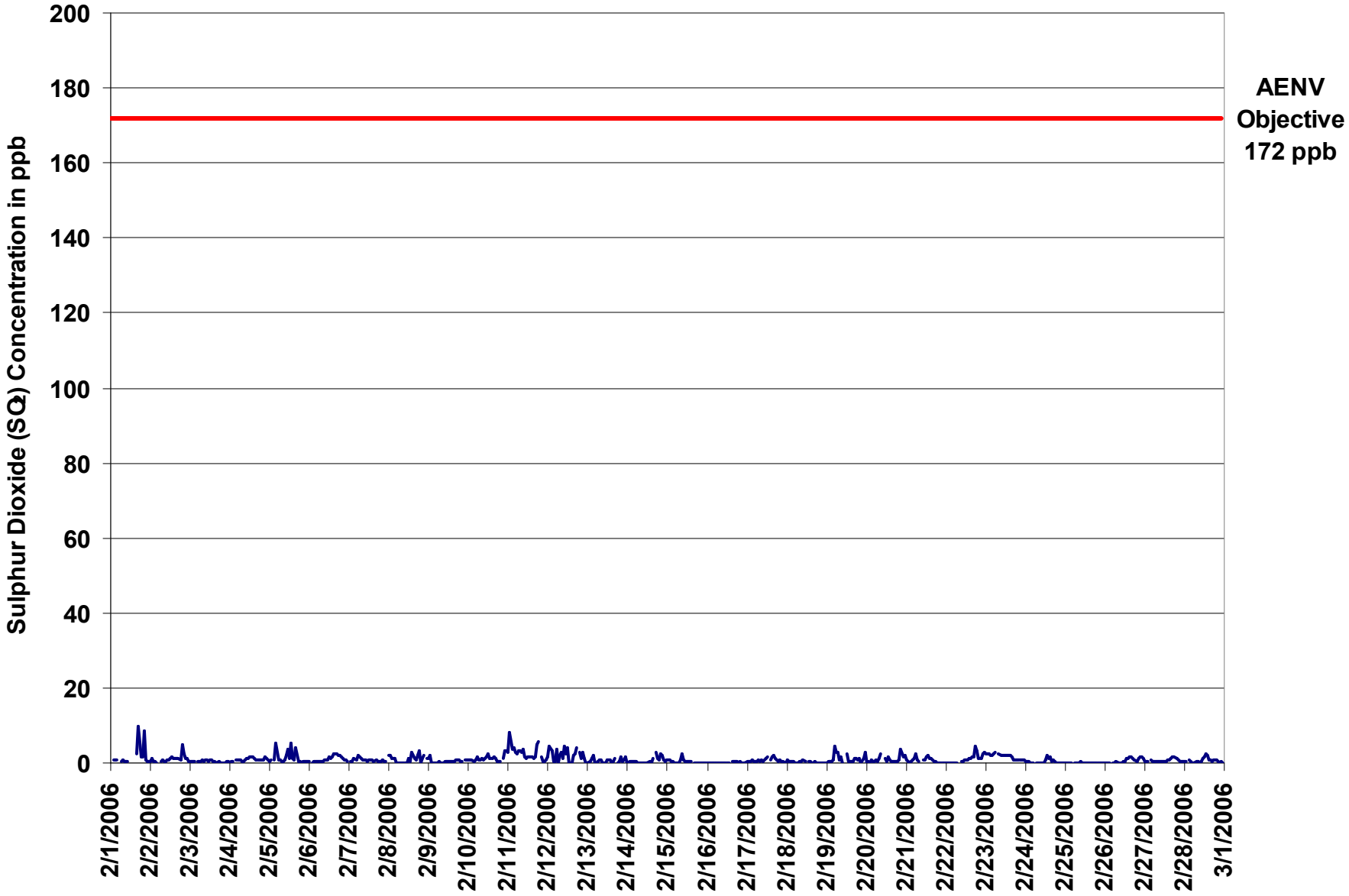


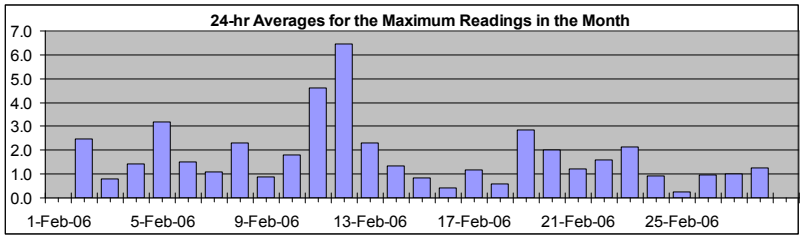
Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	17.0	ppb	1-Feb	17:00 18:00
Maximum 24-hr Value:	6.4	ppb	12-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	11.5	6.2	2.0	1.0	0.5	0.2	0.0	1.8 ppb	1.0 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-Feb-06	1	A	1	1	1	N	1	1	1	1	1	C	C	C	C	A	7	17	2	2	16	2	1	1	N	17.0
2-Feb-06	2	9	1	1	1	A	1	2	2	0	1	1	2	2	2	1	2	1	1	14	6	2	3	1	2.5	14.0
3-Feb-06	1	1	1	1	A	1	1	1	1	2	2	1	1	1	1	1	0	1	0	0	0	0	1	1	0.8	1.7
4-Feb-06	0	1	1	A	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	4	3	1	1.4	4.5
5-Feb-06	1	1	A	4	10	3	1	1	1	3	4	10	7	7	6	3	6	1	1	1	1	1	1	1	3.2	10.4
6-Feb-06	1	A	1	1	1	0	1	1	1	1	1	1	2	2	2	3	3	2	3	2	2	1	1	1	1.5	3.2
7-Feb-06	A	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.1	2.5
8-Feb-06	3	3	2	5	0	0	0	0	0	0	0	1	3	3	5	3	3	4	6	1	6	3	A	2	2.3	6.0
9-Feb-06	3	4	1	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1	A	1	1	0.9	3.8
10-Feb-06	1	1	1	1	1	2	2	1	1	1	2	3	3	2	1	2	2	1	1	1	A	2	5	4	1.8	4.5
11-Feb-06	4	11	7	13	9	7	5	4	4	5	2	2	2	2	2	2	2	7	10	A	3	1	1	2	4.6	12.9
12-Feb-06	2	12	11	2	1	9	2	5	12	6	16	5	10	0	0	7	9	7	A	9	5	11	4	1	6.4	16.2
13-Feb-06	0	2	3	4	3	0	3	4	2	0	0	1	5	4	0	1	4	A	0	2	4	3	1	4	2.3	4.5
14-Feb-06	0	1	1	1	0	1	0	0	0	0	0	0	0	1	0	3	A	5	6	1	4	4	1	1	1.4	6.3
15-Feb-06	1	1	1	1	1	0	0	0	4	4	2	1	1	1	1	A	0	0	0	0	0	0	0	0	0.8	4.3
16-Feb-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	1	1	0	0	1	1	0	0.4	1.1
17-Feb-06	1	1	1	2	1	1	1	1	1	1	1	2	2	A	1	2	2	2	1	1	1	1	1	0	1.2	2.5
18-Feb-06	1	1	1	1	0	0	0	0	0	1	1	1	A	1	1	1	0	1	1	0	0	0	0	0	0.6	1.4
19-Feb-06	0	1	1	0	4	7	5	5	1	4	0	A	11	1	0	1	1	2	2	4	4	0	5	5	2.8	10.9
20-Feb-06	1	1	0	3	1	1	2	1	2	5	A	2	1	3	3	1	1	1	1	1	1	8	4	4	2.0	8.3
21-Feb-06	1	0	0	1	1	2	3	1	1	A	2	1	3	3	2	2	2	1	1	0	0	0	0	0	1.2	3.3
22-Feb-06	0	0	1	0	0	0	0	0	A	1	1	1	1	1	2	2	2	3	6	4	2	2	3	4	1.6	6.1
23-Feb-06	3	3	3	3	2	3	3	A	3	3	2	2	2	3	2	2	2	1	1	1	1	1	1	1	2.1	3.4
24-Feb-06	1	1	0	0	0	1	A	0	0	0	0	0	3	3	1	4	1	1	1	0	0	0	0	0	0.9	4.4
25-Feb-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	0.5
26-Feb-06	0	0	0	0	A	0	0	0	0	1	0	0	1	2	1	2	2	2	1	1	2	2	2	2	1.0	1.9
27-Feb-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1.0	2.4
28-Feb-06	1	1	A	1	1	1	0	1	1	1	1	2	2	5	4	1	1	1	1	1	1	1	1	0	1.3	5.4
Hourly Avg	1.1	2.2	1.6	1.8	1.7	1.8	1.4	1.3	1.6	1.6	1.6	1.6	2.6	1.9	1.7	1.8	2.2	2.5	2.0	1.9	2.4	2.0	1.5	1.4		
Hourly Max	3.9	11.8	10.9	12.9	10.4	8.8	5.3	5.4	11.8	6.4	16.2	10.2	10.9	6.8	5.8	6.8	9.1	17.0	9.8	14.0	16.2	10.9	5.2	5.4		

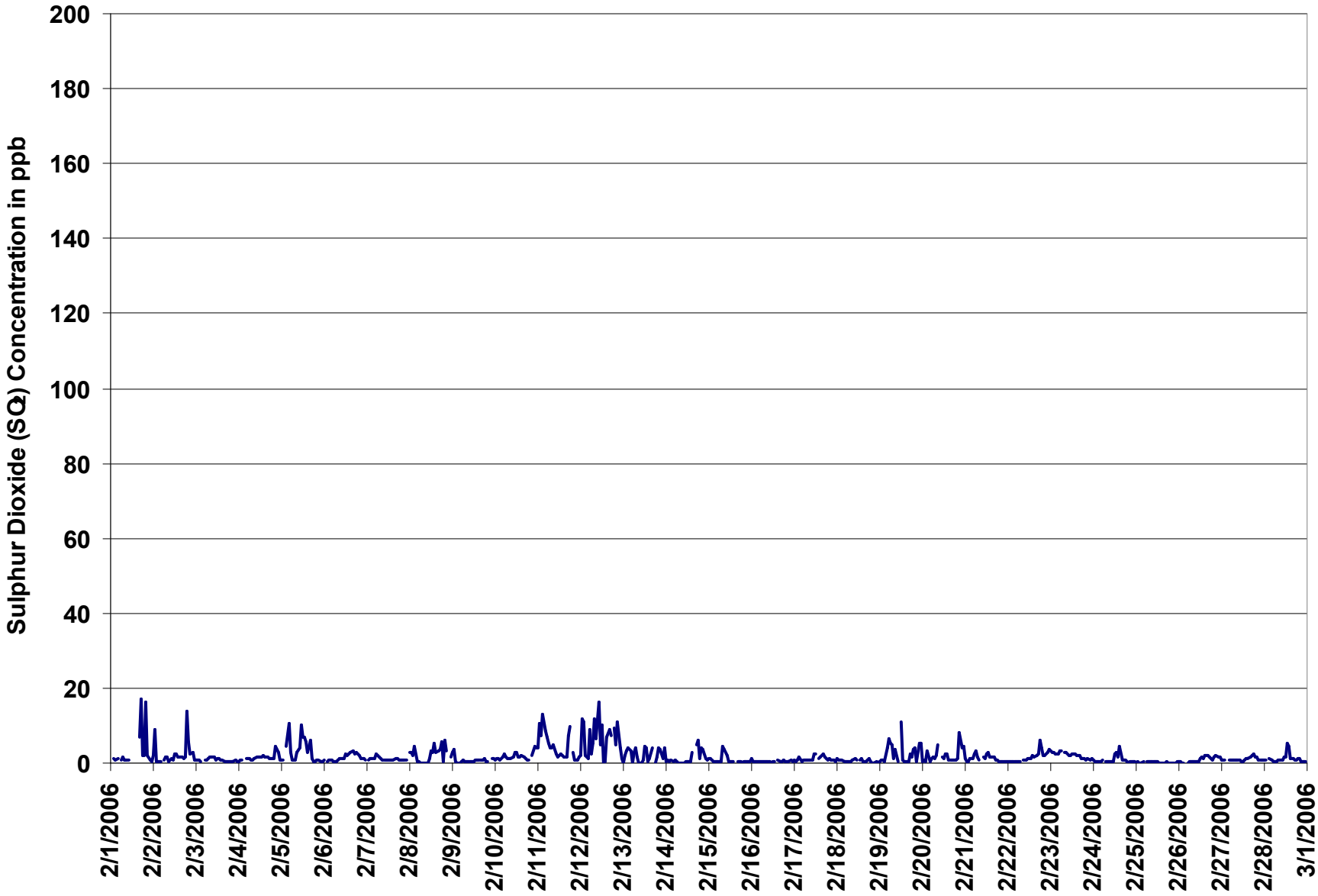
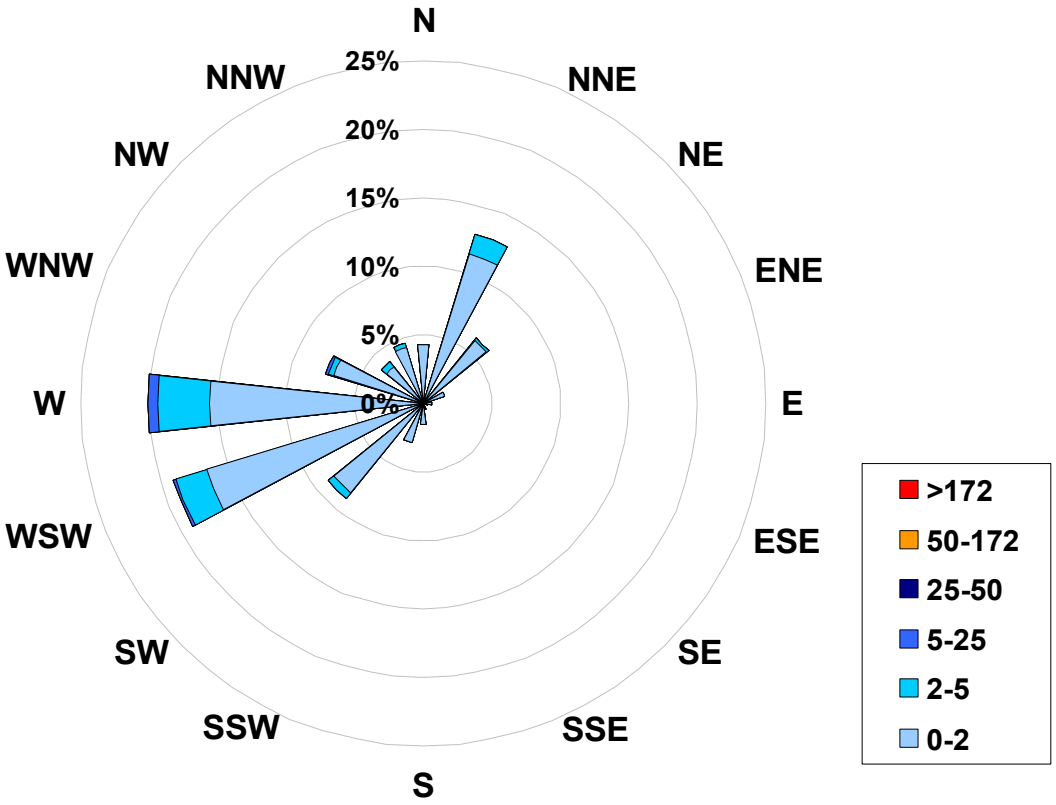


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	564
2	to	5	66
5	to	25	7
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			637

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

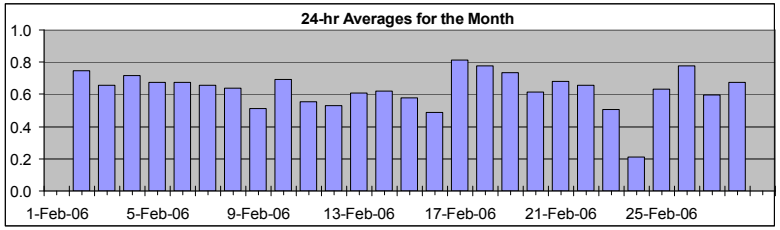
Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	1.2	ppb	19-Feb	5:00 6:00
Maximum 24-hr Value:	0.8	ppb	17-Feb	



AIC Time:	30 hrs	Operational Time:	637 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.0	0.9	0.7	0.6	0.6	0.4	0.0	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-Feb-06	1	A	1	1	1	N	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1	1	1	N	1.2
2-Feb-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	1.0
3-Feb-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	0.7	0.8
4-Feb-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	0.7	0.9
5-Feb-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	0.7	0.9
6-Feb-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	0.7	0.8
7-Feb-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	0.7	0.9
8-Feb-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	0.6	0.8
9-Feb-06	1	1	1	0	1	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	A	1	0	0.5	0.7
10-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0	0.7	0.9
11-Feb-06	1	1	1	1	1	0	0	1	0	1	0	0	1	0	1	1	1	1	1	A	1	1	1	1	0.6	0.7
12-Feb-06	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	A	1	1	1	1	1	0.5	0.7
13-Feb-06	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	A	1	1	1	1	1	1	0.6	0.8
14-Feb-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	0.6	0.7
15-Feb-06	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.6	0.7
16-Feb-06	1	0	0	0	0	0	0	0	0	0	0	1	1	1	A	0	1	0	0	0	0	0	1	1	0.5	0.6
17-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0.8	1.0
18-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
19-Feb-06	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.2
20-Feb-06	1	0	1	1	0	0	0	0	1	1	A	1	0	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
21-Feb-06	1	1	1	0	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
22-Feb-06	0	0	0	0	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.0
23-Feb-06	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	0.9
24-Feb-06	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
25-Feb-06	1	0	0	1	1	A	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0.6	0.8
26-Feb-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	0.8	0.9
27-Feb-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	0.6	0.7
28-Feb-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.7	0.9
Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6		
Hourly Max	0.8	0.8	0.8	0.9	0.9	1.2	0.9	0.9	0.8	0.9	1.0	0.9	0.8	0.9	0.9	0.9	1.0	1.2	1.0	0.8	1.0	1.1	0.9	0.8		

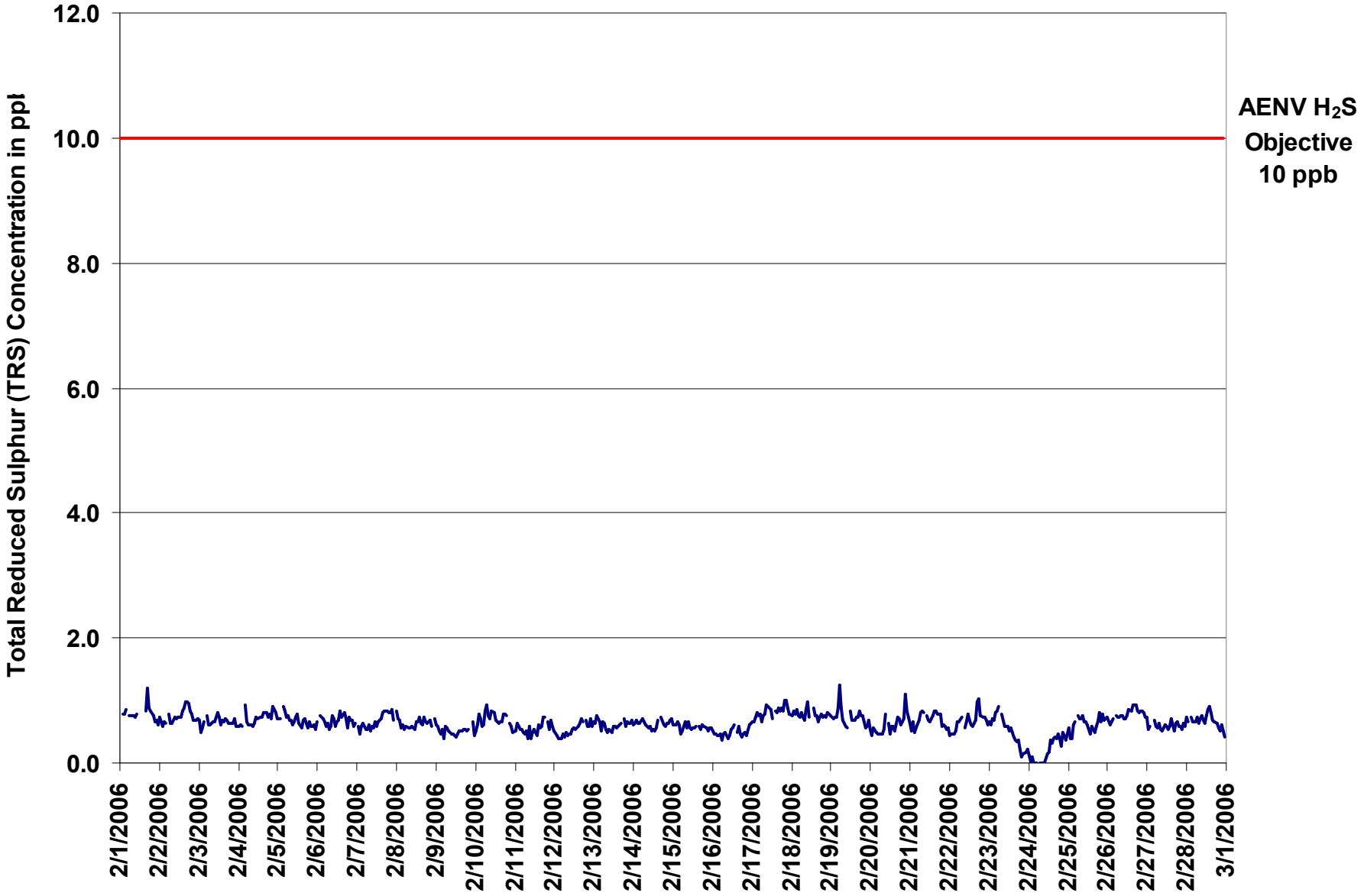


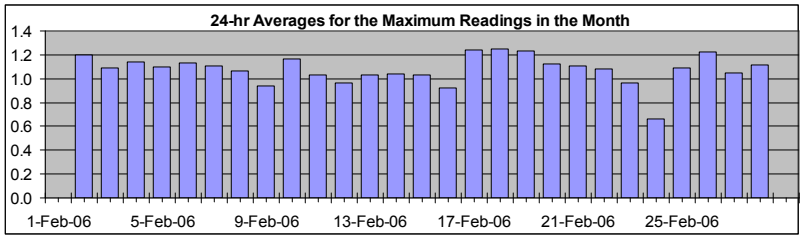
Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	2.1	ppb	19-Feb	6:00 7:00
Maximum 24-hr Value:	1.2	ppb	18-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.6	1.3	1.2	1.1	1.0	0.8	0.5	1.1 ppb	1.1 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-Feb-06	1	A	1	1	1	N	1	1	1	1	1	C	C	C	C	A	1	2	1	1	1	1	1	1	N	1.8
2-Feb-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	1.2	1.5
3-Feb-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	1.1	1.3
4-Feb-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	1.1	1.4
5-Feb-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	1.1	1.4
6-Feb-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	1.1	1.3
7-Feb-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	1.1	1.3
8-Feb-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	1.1	1.2
9-Feb-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	1.1
10-Feb-06	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1.2	1.5
11-Feb-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	1.0	1.2
12-Feb-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	1.0	1.2
13-Feb-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	1.0	1.2
14-Feb-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	1.0	1.3
15-Feb-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	1.0	1.3
16-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.9	1.2
17-Feb-06	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1.2	1.4
18-Feb-06	1	1	1	1	1	1	1	1	1	1	2	1	A	2	1	1	1	1	1	1	1	1	1	1	1.2	1.5
19-Feb-06	1	1	1	1	2	2	2	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1.2	2.1
20-Feb-06	1	1	1	1	1	1	1	1	1	2	A	1	1	1	1	1	1	1	1	1	1	2	1	1	1.1	2.0
21-Feb-06	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.3
22-Feb-06	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.1	1.6
23-Feb-06	1	1	1	1	1	1	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.5
24-Feb-06	1	1	1	0	0	0	A	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.0
25-Feb-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	1.1	1.2
26-Feb-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	1.2	1.4
27-Feb-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	1.0	1.3
28-Feb-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	1.1	1.3
Hourly Avg	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1		
Hourly Max	1.4	1.2	1.3	1.5	1.6	2.0	2.1	1.3	1.4	1.8	1.5	1.3	1.4	1.5	1.3	1.3	1.4	1.8	1.5	1.3	1.4	2.0	1.3	1.4		

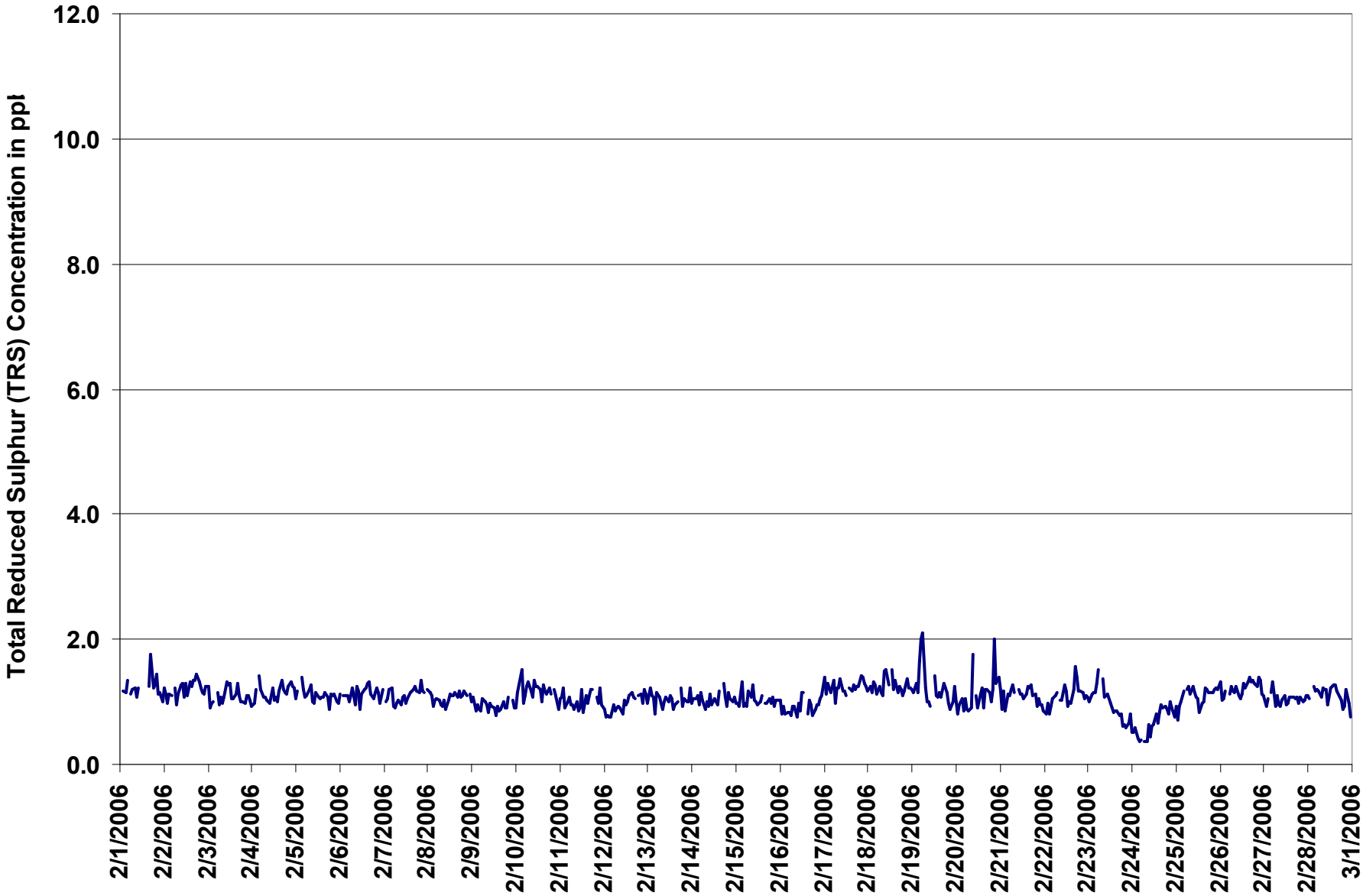
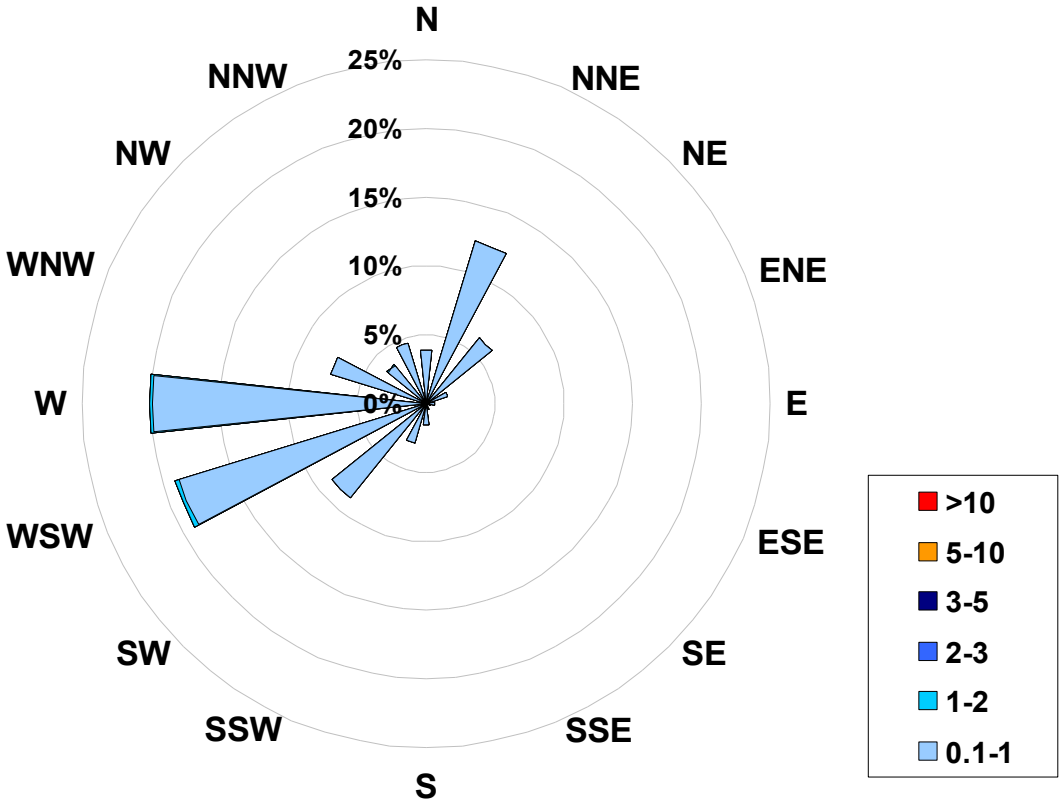


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	633
1	to	2	4
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			637

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

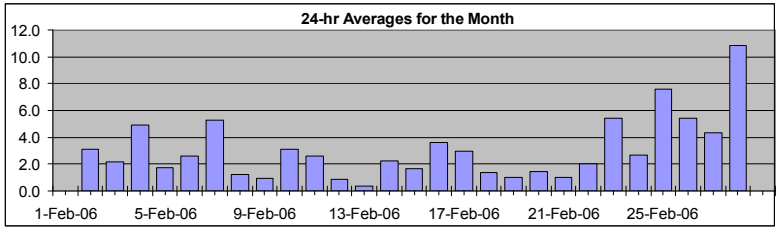
Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 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:	111.2	$\mu g/m^3$	25-Feb	23:00 0:00
Maximum 24-hr Value:	10.9	$\mu g/m^3$	28-Feb	

AIC Time:	0 hrs	Operational Time:	656 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	97.6%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	24.5	10.4	3.7	1.7	0.6	0.0	0.0	3.2 3 $\mu g/m^3$	2.4 $\mu g/m^3$

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-Feb-06	N	N	N	N	N	N	N	N	N	N	N	N	N	N	11	13	13	14	14	14	15	7	3	0	N	14.7
2-Feb-06	0	0	0	0	0	1	0	2	0	3	5	3	2	4	5	5	12	12	8	5	3	2	1	1	3.1	12.3
3-Feb-06	1	1	1	3	5	3	4	6	4	5	5	6	5	3	2	0	0	0	0	0	0	0	0	0	2.1	5.9
4-Feb-06	D	D	0	3	3	0	0	1	2	2	2	18	29	2	9	5	6	3	4	4	5	5	2	2	4.9	29.4
5-Feb-06	3	3	3	3	3	3	3	2	1	2	2	2	1	2	1	1	2	2	3	1	1	1	0	0	1.8	3.4
6-Feb-06	1	1	1	1	1	1	1	1	1	4	5	4	3	3	3	6	8	6	4	1	4	1	1	0	2.6	7.8
7-Feb-06	1	1	0	4	3	6	3	5	5	3	2	3	2	2	3	1	3	5	3	14	24	22	10	4	5.3	23.6
8-Feb-06	5	6	5	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	2	2	1.2	6.2
9-Feb-06	2	1	1	1	1	1	1	0	1	2	2	0	0	0	0	1	1	0	1	2	1	1	1	1	0.9	1.8
10-Feb-06	2	1	1	1	1	3	1	3	3	3	2	1	4	4	4	4	4	3	5	6	5	5	5	4	3.1	6.3
11-Feb-06	2	2	1	1	0	1	2	2	2	1	2	4	5	5	4	3	3	2	3	2	4	2	2	7	2.6	7.2
12-Feb-06	4	2	1	0	0	1	0	0	1	1	3	2	1	0	1	1	0	0	0	0	0	1	0	1	0.9	3.6
13-Feb-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	2	1	1	0.4	1.8
14-Feb-06	1	2	3	4	2	2	3	10	2	2	1	1	1	0	0	1	2	4	1	2	2	2	2	3	2.2	10.4
15-Feb-06	5	2	1	1	0	0	0	1	1	1	1	0	1	2	1	1	4	1	8	2	1	2	1	3	1.7	8.4
16-Feb-06	10	6	1	1	1	1	1	5	44	3	0	0	2	1	0	1	0	1	2	1	1	2	0	0	3.6	44.2
17-Feb-06	3	3	1	1	2	1	1	2	4	5	5	4	1	3	2	3	3	3	5	5	4	4	3	3	3.0	5.4
18-Feb-06	3	3	3	3	3	2	2	3	1	1	0	0	0	1	0	0	0	0	0	1	2	2	2	2	1.4	3.4
19-Feb-06	0	2	4	3	2	1	1	0	0	1	0	0	0	0	0	1	1	1	2	1	1	0	2	2	1.0	3.6
20-Feb-06	2	2	1	0	1	2	3	4	4	3	3	1	0	1	0	0	1	3	2	0	0	0	0	3	1.5	3.8
21-Feb-06	0	0	0	0	0	0	0	0	0	1	1	2	0	0	1	6	10	2	0	0	1	1	0	0	1.0	10.1
22-Feb-06	0	1	1	1	2	2	3	2	3	2	3	8	0	0	0	5	1	2	2	1	0	2	1	6	2.0	7.9
23-Feb-06	11	1	0	4	1	6	2	1	10	5	3	5	0	13	5	4	6	4	4	3	2	1	3	36	5.4	36.1
24-Feb-06	16	3	4	2	1	2	1	1	1	4	4	3	1	1	2	2	6	2	2	0	2	2	1	1	2.7	15.7
25-Feb-06	1	2	3	0	3	2	2	1	1	3	4	4	11	2	9	4	3	7	0	0	1	0	9	111	7.6	111.2
26-Feb-06	44	2	0	0	0	0	0	0	9	3	2	2	4	11	4	7	4	5	7	5	6	5	4	6	5.4	43.5
27-Feb-06	3	3	3	3	6	10	7	4	0	1	1	2	2	3	5	7	6	6	7	5	4	5	6	6	4.3	9.8
28-Feb-06	6	6	6	5	7	6	7	7	23	11	19	9	8	26	18	15	14	11	26	7	6	4	4	13	10.9	26.0
Hourly Avg	4.8	2.1	1.7	1.8	1.8	2.1	1.8	2.2	4.5	2.6	2.8	3.1	3.1	3.2	3.3	3.4	4.1	3.5	4.1	3.0	3.4	2.9	2.4	7.9		
Hourly Max	43.5	6.2	5.8	5.2	6.9	9.8	6.7	10.4	44.2	11.1	19.4	18.5	29.4	26.0	18.2	14.7	13.6	13.8	25.5	14.2	23.6	21.6	9.9	111.2		

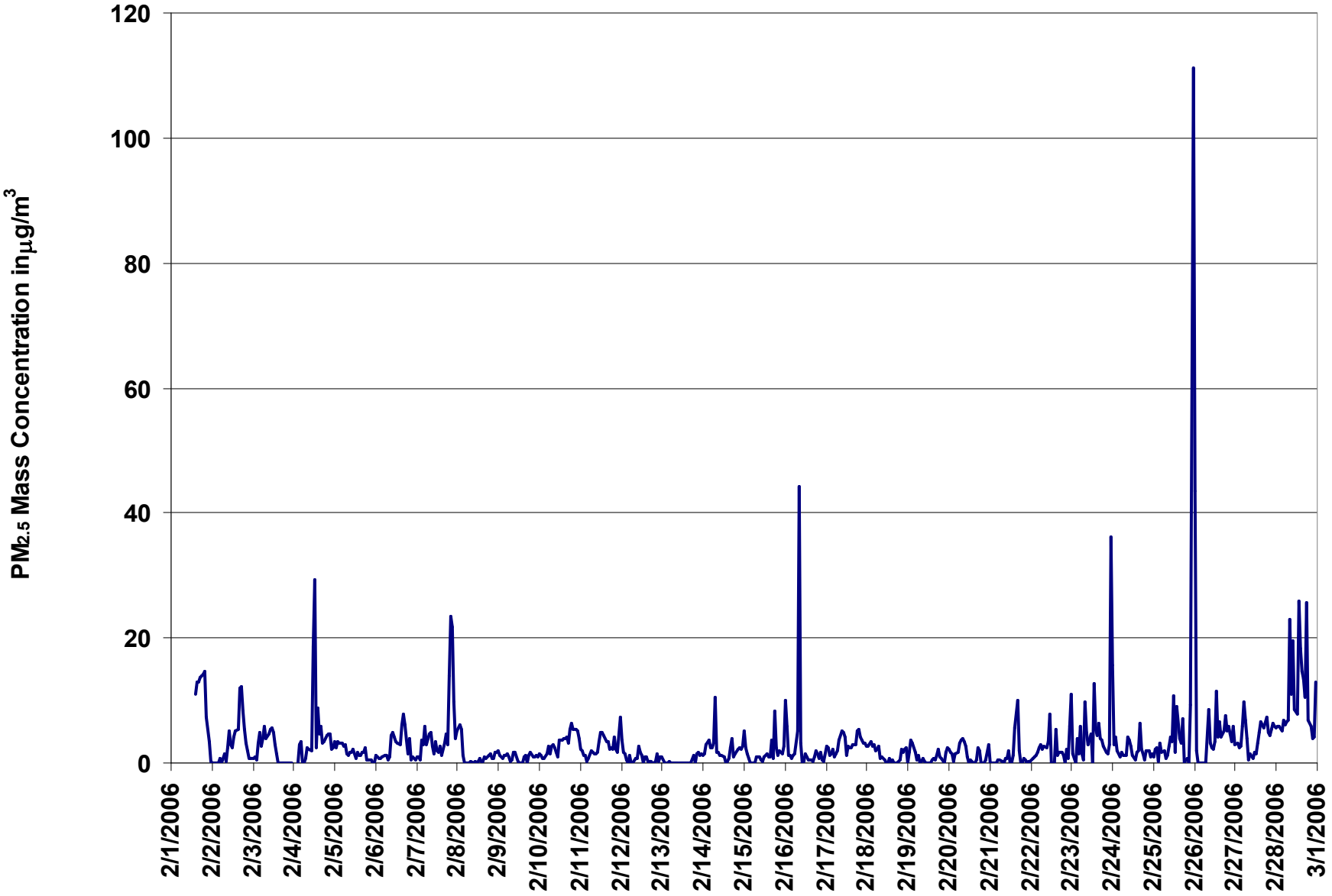


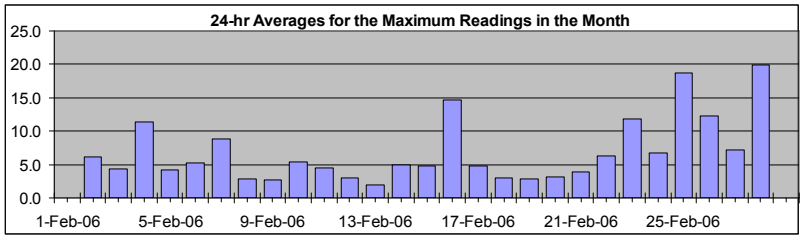
Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	177.4	µg/m³	25-Feb	23:00 0:00
Maximum 24-hr Value:	19.8	µg/m³	28-Feb	

AIC Time:	0 hrs	Operational Time:	656 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	97.6%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	65.4	22.0	6.6	3.9	2.5	1.2	0.0	6.9 / 7 µg/m˘	5.6 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-Feb-06	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14	16	15	16	15	19	20	10	5	2	N	19.6
2-Feb-06	2	3	2	4	5	6	2	6	5	5	9	7	5	6	7	10	15	14	12	8	4	4	3	4	6.2	15.1
3-Feb-06	3	4	5	8	12	6	5	8	8	9	7	8	7	6	3	1	0	1	0	0	0	1	2	1	4.3	11.8
4-Feb-06	D	D	0	7	6	1	2	3	5	5	6	64	49	11	28	16	10	6	5	6	6	6	3	4	11.3	64.0
5-Feb-06	5	4	5	5	5	4	5	3	2	3	3	4	2	3	4	3	3	12	15	2	3	2	2	2	4.2	15.3
6-Feb-06	3	4	2	3	2	4	4	2	3	7	8	9	6	5	5	8	9	8	6	3	13	3	3	5	5.3	13.3
7-Feb-06	4	4	4	8	6	8	6	7	8	5	4	7	5	5	4	5	7	6	5	21	29	31	16	8	8.9	30.7
8-Feb-06	7	9	7	5	1	0	0	2	2	2	2	2	2	3	2	2	2	2	3	3	2	2	4	3	2.9	8.7
9-Feb-06	4	4	3	3	3	4	4	2	2	3	3	2	1	2	2	3	3	2	4	3	2	2	3	2	2.7	3.8
10-Feb-06	3	3	4	3	4	5	3	7	5	5	4	4	7	6	6	7	6	5	7	8	7	7	7	7	5.4	7.7
11-Feb-06	6	3	3	3	2	2	4	3	3	3	3	5	6	6	7	5	5	5	5	4	6	4	4	9	4.4	9.4
12-Feb-06	6	3	4	3	3	3	3	2	3	3	5	3	3	1	4	2	3	2	1	2	3	3	2	3	2.9	5.6
13-Feb-06	3	3	2	0	2	0	3	1	1	1	1	0	1	1	1	1	2	2	7	4	2	3	2	3	1.9	6.5
14-Feb-06	3	3	5	5	4	4	7	29	5	5	2	3	3	2	2	3	5	7	3	3	3	4	4	4	5.0	29.4
15-Feb-06	8	5	3	2	2	1	2	4	2	2	3	2	3	4	3	4	8	2	26	10	5	3	3	8	4.8	25.7
16-Feb-06	33	29	14	3	2	3	3	77	134	14	1	2	3	2	2	2	1	4	6	3	3	5	5	2	14.7	134.0
17-Feb-06	4	4	4	3	5	4	3	4	5	7	7	7	3	5	3	5	5	5	7	7	6	4	5	5	4.8	7.3
18-Feb-06	5	5	5	4	4	3	4	6	3	3	2	2	0	3	2	2	1	1	1	2	5	4	4	4	3.1	5.8
19-Feb-06	2	4	6	5	4	2	3	2	2	2	1	1	1	1	2	2	2	4	5	3	2	2	5	4	2.8	5.6
20-Feb-06	4	4	2	2	3	3	5	5	6	5	4	3	1	2	2	2	2	5	4	0	1	2	1	8	3.1	8.0
21-Feb-06	1	0	1	1	1	2	2	2	1	2	2	4	3	1	11	13	22	15	1	2	2	2	1	2	3.9	21.8
22-Feb-06	1	4	3	2	3	3	4	4	4	5	11	32	2	2	1	17	3	3	4	4	2	4	3	28	6.3	31.9
23-Feb-06	29	8	4	15	3	11	4	4	28	12	5	7	5	20	8	8	16	7	5	4	3	2	10	67	11.8	67.2
24-Feb-06	36	12	11	4	2	3	2	2	3	6	6	6	5	2	3	3	29	5	3	2	5	4	3	3	6.7	36.3
25-Feb-06	3	11	5	2	11	3	3	2	2	6	7	9	39	3	24	7	8	23	0	2	2	1	99	177	18.7	177.4
26-Feb-06	86	26	13	4	0	0	2	1	28	6	4	5	6	23	10	10	6	6	14	7	8	6	5	18	12.2	86.0
27-Feb-06	4	5	4	4	9	12	9	7	3	3	3	5	4	7	11	10	11	11	10	9	7	9	9	8	7.2	12.0
28-Feb-06	8	9	8	9	12	14	9	8	103	17	37	16	11	36	28	20	17	14	35	13	11	5	6	29	19.8	103.2
Hourly Avg	10.4	6.6	4.7	4.2	4.2	4.1	3.8	7.6	14.0	5.5	5.6	8.1	6.8	6.2	7.0	6.6	7.8	6.9	7.6	5.5	5.9	4.9	7.8	14.9		
Hourly Max	86.0	28.9	13.5	15.2	11.8	13.7	9.0	76.5	134.0	17.4	37.0	64.0	49.3	35.5	27.7	19.9	29.1	22.6	35.2	21.4	29.5	30.7	98.5	177.4		

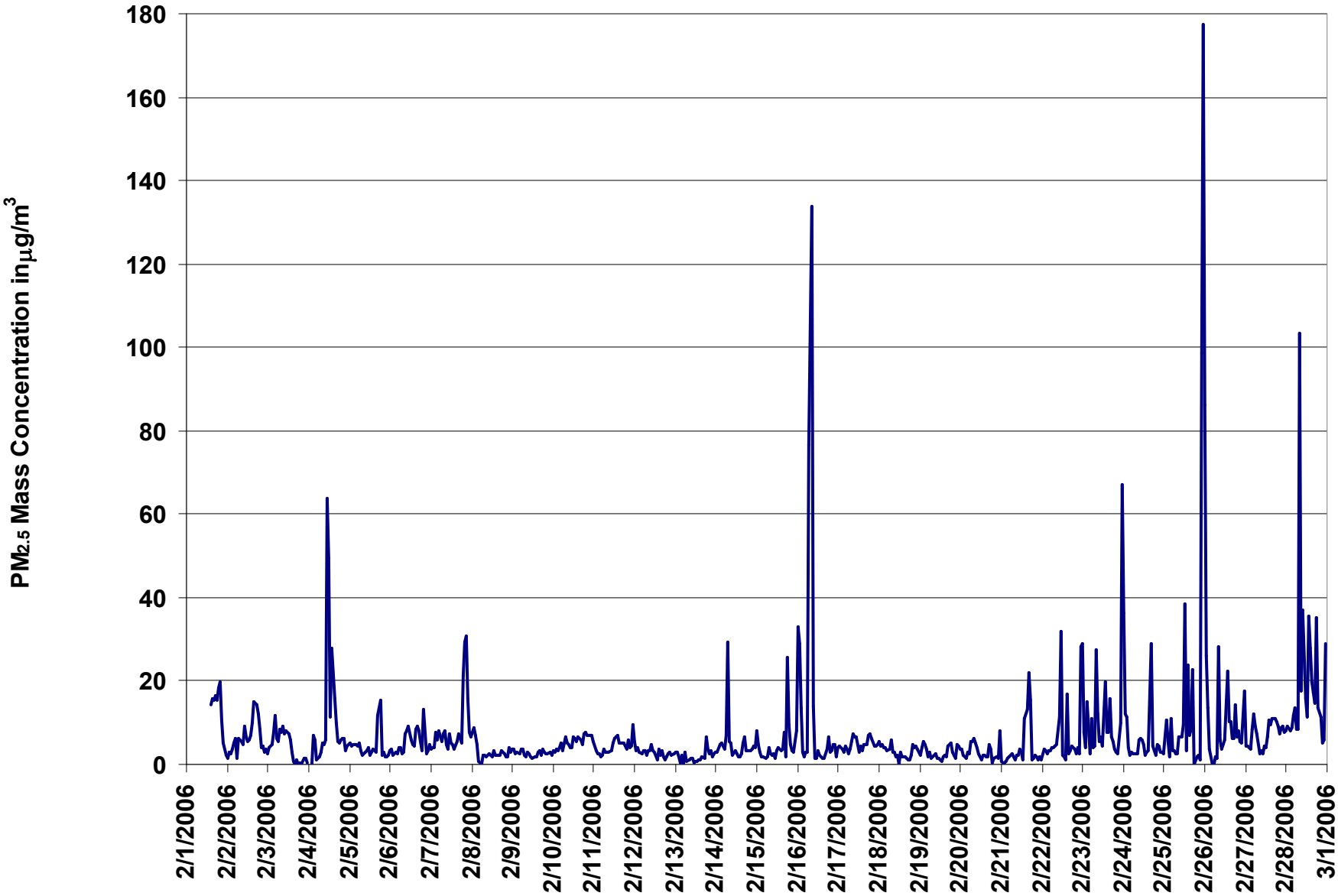
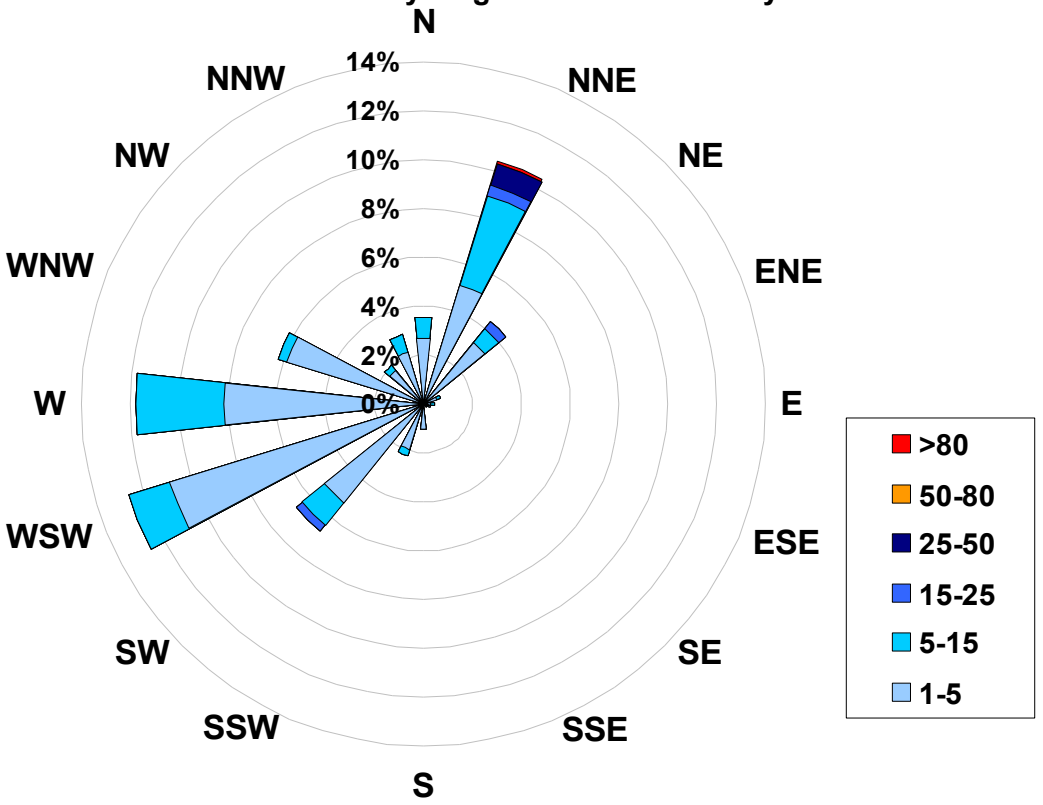


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 February 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	547
5	to	15	95
15	to	25	7
25	to	50	6
50	to	80	0
	>	80	1
Total Non-Zero Values			656

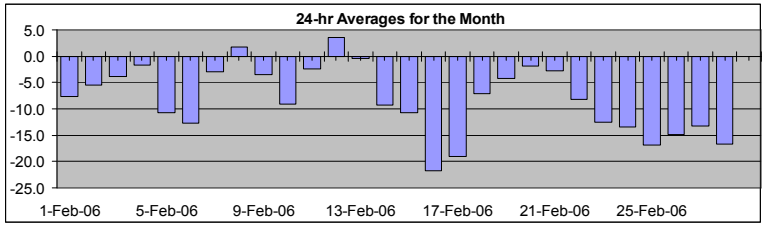
PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	6.0	°C	12-Feb	16:00 17:00
Maximum 24-hr Value:	3.5	°C	12-Feb	

AIC Time:	0 hrs	Operational Time:	671 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	5.5	2.7	-2.6	-8.0	-12.8	-21.3	-27.3	-8.1 °C	-8.0 °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-Feb-06	-10	-11	-11	-12	-13	N	-12	-12	-13	-13	-11	-9	-8	-6	-3	-2	-3	-5	-5	-5	-2	-2	-3	-3	-7.6	-1.7
2-Feb-06	-5	-7	-8	-8	-10	-10	-11	-11	-12	-12	-8	-5	-3	-1	1	1	-1	-4	-1	-2	-3	-4	-2	-3	-5.4	1.1
3-Feb-06	-6	-7	-9	-8	-6	-8	-9	-8	-7	-7	-6	-3	0	2	3	3	2	0	-1	-4	-4	-4	-3	-4	-3.9	3.2
4-Feb-06	-3	-2	-2	-1	-1	-1	-2	-3	-3	-3	-2	-2	-1	0	1	1	0	-1	-1	-2	-2	-2	-4	-6	-1.8	0.7
5-Feb-06	-7	-8	-9	-10	-11	-10	-11	-12	-13	-13	-12	-12	-11	-10	-9	-8	-10	-10	-10	-10	-10	-11	-13	-15	-10.7	-7.4
6-Feb-06	-16	-16	-17	-17	-17	-18	-17	-17	-17	-16	-13	-11	-10	-8	-6	-6	-8	-11	-12	-11	-11	-9	-10	-12	-12.7	-6.0
7-Feb-06	-12	-11	-12	-10	-10	-8	-5	-5	-5	-4	-4	-2	-1	0	2	2	2	2	2	2	3	3	2	1	-2.9	2.7
8-Feb-06	0	0	3	5	4	4	3	2	1	1	2	2	3	4	4	4	3	2	1	0	-1	-2	-2	-3	1.7	4.9
9-Feb-06	-3	-3	-1	-2	-4	-2	-7	-9	-11	-11	-6	1	1	1	2	1	1	-1	-3	-4	-5	-6	-5	-6	-3.4	1.5
10-Feb-06	-10	-13	-14	-15	-16	-14	-15	-15	-12	-11	-10	-7	-6	-5	-3	-3	-3	-4	-6	-7	-7	-7	-7	-7	-9.1	-3.1
11-Feb-06	-7	-7	-6	-4	-6	-4	-5	-6	-7	-6	-4	-1	1	3	4	5	5	3	0	-2	-3	-4	-4	-4	-2.4	5.4
12-Feb-06	-4	2	2	2	3	3	1	1	2	1	3	4	5	6	6	6	6	6	6	5	6	5	4	4	3.5	6.0
13-Feb-06	4	3	3	2	0	-1	-1	-1	-1	-2	-1	0	1	2	1	1	1	0	-1	-2	-3	-4	-5	-7	-0.5	3.8
14-Feb-06	-7	-2	-2	-3	-3	-3	-6	-9	-10	-11	-11	-12	-12	-11	-11	-11	-12	-12	-13	-13	-12	-11	-12	-12	-9.2	-1.9
15-Feb-06	-10	-9	-9	-10	-12	-12	-13	-10	-9	-8	-6	-5	-5	-6	-7	-8	-8	-11	-13	-14	-16	-17	-18	-19	-10.6	-5.0
16-Feb-06	-21	-22	-22	-22	-22	-23	-24	-25	-26	-23	-21	-20	-17	-15	-14	-16	-18	-20	-23	-24	-25	-26	-27	-28	-21.8	-14.0
17-Feb-06	-28	-28	-28	-27	-27	-27	-27	-27	-26	-25	-22	-18	-16	-14	-11	-9	-9	-10	-13	-13	-13	-13	-14	-12	-19.1	-9.3
18-Feb-06	-10	-11	-11	-10	-9	-9	-9	-7	-5	-5	-4	-3	-3	-3	-3	-4	-4	-4	-5	-7	-10	-11	-11	-10	-7.1	-3.0
19-Feb-06	-11	-13	-13	-11	-10	-8	-6	-6	-6	-4	-2	-1	2	3	3	2	3	0	-3	-4	-3	-3	-4	-4	-4.2	2.8
20-Feb-06	-5	-4	-4	-5	-5	-4	-2	-3	-3	-3	-2	0	2	2	2	2	2	1	-1	-2	-3	-3	-4	-1	-1.8	2.1
21-Feb-06	-1	-3	-3	-4	-3	-4	-4	-3	-5	-3	-2	-2	-1	0	0	0	-1	-2	-3	-4	-4	-4	-5	-6	-2.8	0.2
22-Feb-06	-5	-6	-6	-7	-8	-8	-8	-8	-8	-8	-7	-5	-5	-5	-4	-4	-6	-8	-9	-13	-14	-13	-14	-15	-8.1	-3.8
23-Feb-06	-15	-14	-17	-17	-15	-14	-13	-14	-15	-13	-13	-11	-9	-9	-9	-10	-10	-11	-11	-11	-12	-12	-13	-14	-12.5	-8.8
24-Feb-06	-14	-14	-14	-14	-14	-14	-14	-15	-15	-14	-12	-10	-6	-8	-7	-10	-11	-12	-14	-17	-19	-17	-19	-19	-13.4	-6.1
25-Feb-06	-18	-19	-17	-19	-20	-21	-20	-20	-21	-20	-17	-15	-12	-12	-11	-9	-10	-13	-16	-18	-19	-20	-19	-18	-16.8	-9.4
26-Feb-06	-18	-18	-18	-18	-19	-19	-20	-20	-20	-19	-17	-15	-12	-8	-8	-9	-10	-11	-13	-13	-13	-13	-13	-13	-14.8	-7.9
27-Feb-06	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-12	-11	-10	-10	-10	-10	-10	-12	-14	-16	-19	-19	-21	-13.2	-9.6
28-Feb-06	-21	-21	-22	-24	-24	-23	-25	-22	-22	-20	-16	-14	-13	-11	-12	-12	-13	-13	-13	-13	-12	-11	-12	-12	-16.7	-11.3
Hourly Avg	-9.9	-9.9	-10.0	-10.1	-10.4	-10.2	-10.6	-10.6	-10.8	-10.2	-8.5	-6.7	-5.2	-4.3	-3.6	-3.7	-4.4	-5.7	-7.0	-7.9	-8.3	-8.6	-9.1	-9.6		
Hourly Max	3.8	3.3	3.0	4.9	3.7	3.5	2.7	2.3	1.5	1.3	2.7	4.2	4.8	5.8	5.9	5.8	6.0	5.9	5.9	5.0	5.7	5.0	4.4	4.3		

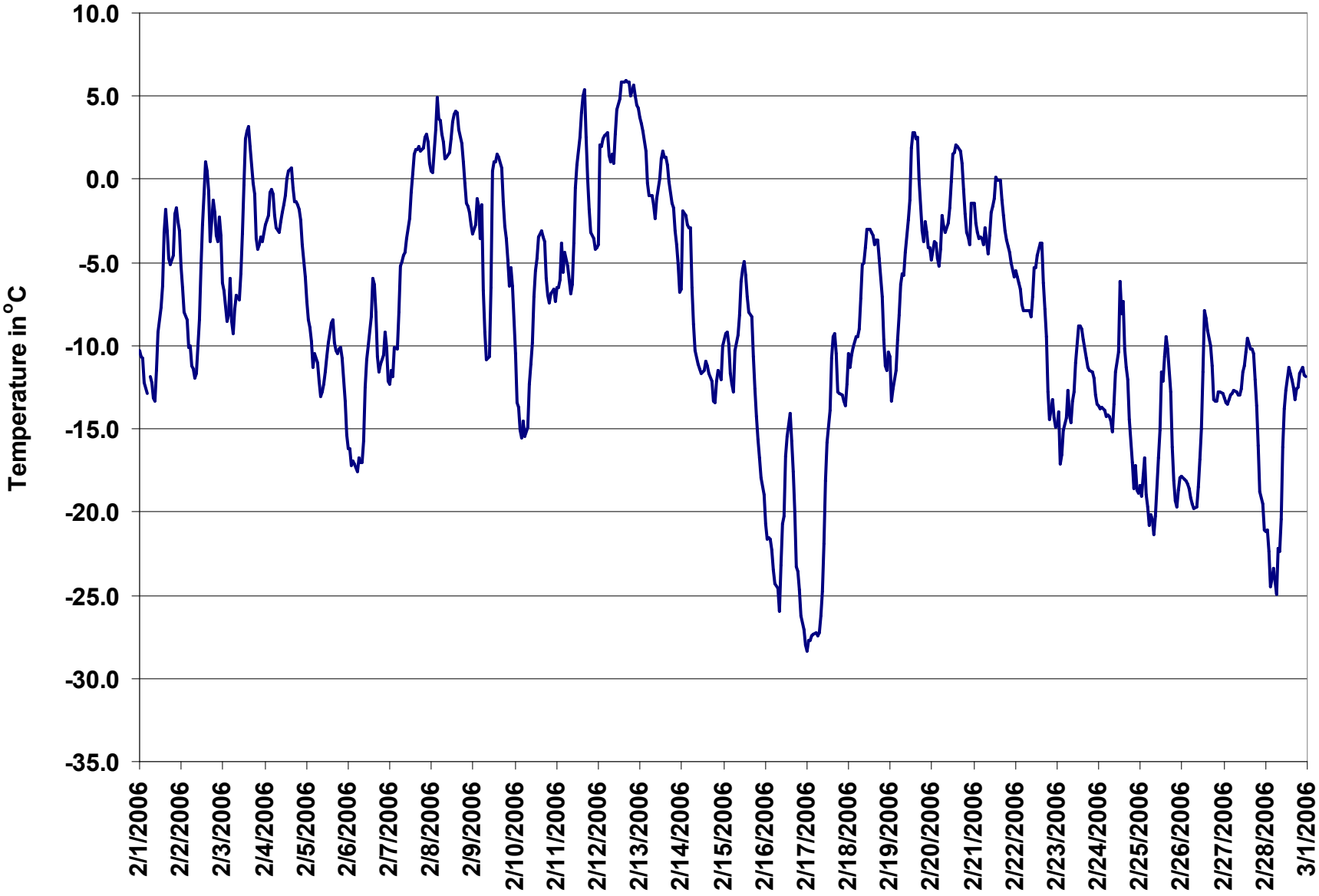


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

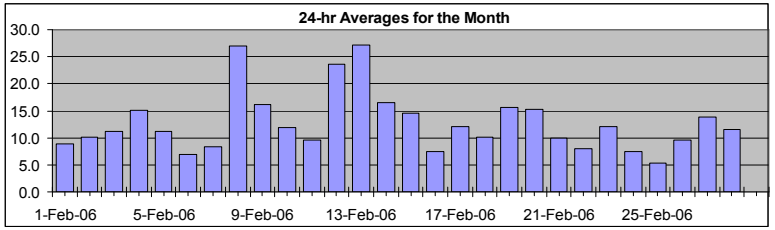
PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	39.1	km/hr	8-Feb	12:00 13:00
Maximum 24-hr Value:	27.2	km/hr	13-Feb	

Calm Time:	0 hrs	**0%** calms		Operational Time:			671 hrs	
Calibration Time:	0 hrs			AMD Operational Uptime:			99.9%	
Percentile	99	95	75	50	25	5	1	AverageS
	32.3	26.4	16.5	11.5	8.0	3.3	2.3	12.7 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-Feb-06	8	10	9	7	5	N	6	2	2	4	5	6	5	5	6	8	11	9	13	14	19	19	15	15	8.9	19.2
2-Feb-06	13	11	9	8	11	6	7	8	8	11	8	9	8	7	4	9	6	12	14	15	11	18	16	11	10.1	17.7
3-Feb-06	13	9	14	17	12	7	6	7	10	10	9	8	6	16	20	22	14	17	14	11	8	4	7	7	11.2	21.6
4-Feb-06	11	12	10	11	14	18	21	22	22	19	21	15	12	13	12	13	14	13	10	14	11	15	21	21	15.2	22.5
5-Feb-06	21	22	19	15	13	18	13	11	11	9	11	11	15	13	14	13	6	6	3	5	5	5	5	4	11.2	21.8
6-Feb-06	4	6	8	8	9	6	7	9	7	7	6	8	10	10	5	8	11	9	8	5	3	6	4	2	6.9	10.7
7-Feb-06	5	8	8	10	9	12	10	9	9	8	9	10	8	8	7	7	8	8	10	10	9	8	4	6	8.3	11.5
8-Feb-06	7	9	15	28	22	25	28	30	27	31	30	32	39	34	32	32	33	32	29	26	26	26	28	23	26.9	39.1
9-Feb-06	20	19	21	22	18	20	16	17	16	14	14	20	20	22	16	16	13	14	12	12	14	13	12	9	16.2	21.9
10-Feb-06	9	10	11	10	9	11	10	10	11	10	16	20	19	19	17	12	11	10	13	10	10	9	8	8	11.8	19.8
11-Feb-06	7	7	12	10	8	8	8	7	10	11	10	10	12	9	8	9	6	7	12	10	9	13	13	14	9.6	14.0
12-Feb-06	13	25	25	25	25	25	15	19	23	22	22	22	25	23	24	23	22	26	26	27	36	24	27	25	23.6	36.0
13-Feb-06	28	24	38	36	27	30	29	31	28	28	29	28	30	29	32	26	26	27	26	21	24	22	18	15	27.2	38.0
14-Feb-06	13	20	22	19	20	20	30	19	18	18	20	19	19	17	13	15	16	16	12	12	14	13	9	5	16.6	30.0
15-Feb-06	11	14	12	8	7	10	10	13	14	13	20	20	21	23	23	19	19	16	13	14	15	16	10	10	14.6	22.8
16-Feb-06	4	6	10	10	10	10	8	6	7	5	5	4	2	2	2	3	5	10	10	11	12	11	11	12	7.5	12.4
17-Feb-06	11	11	12	15	13	11	8	9	10	12	12	14	18	13	6	8	9	11	12	14	16	16	14	15	12.1	17.5
18-Feb-06	6	8	5	3	4	3	3	6	9	10	8	8	13	16	18	17	15	15	16	11	11	12	11	13	10.0	18.4
19-Feb-06	12	10	12	14	12	17	20	19	14	14	19	14	21	24	20	18	12	10	13	15	18	16	16	16	15.6	23.9
20-Feb-06	17	19	16	14	14	14	18	18	19	23	18	14	19	10	17	20	13	18	10	9	10	13	10	15	15.4	23.1
21-Feb-06	10	6	9	12	15	12	12	10	6	7	6	9	7	4	4	7	13	14	18	13	12	13	11	10	9.9	17.9
22-Feb-06	11	9	12	13	12	9	8	8	5	8	7	9	9	8	7	5	10	8	6	8	5	6	3	5	8.0	13.0
23-Feb-06	3	4	5	4	6	9	8	11	10	16	16	14	13	17	20	20	19	14	13	12	14	15	16	11	12.1	20.3
24-Feb-06	13	12	11	11	10	11	10	7	7	3	3	3	2	3	5	11	7	8	8	8	8	8	6	3	7.5	12.9
25-Feb-06	3	6	8	4	4	5	6	4	3	3	2	3	3	4	3	3	3	5	9	9	7	8	9	12	5.2	11.5
26-Feb-06	12	12	12	12	13	11	12	12	12	10	9	7	3	2	3	3	3	5	8	12	13	16	13	12	9.5	15.6
27-Feb-06	14	15	15	17	18	16	19	21	23	20	18	16	14	13	10	8	7	7	11	11	13	9	11	7	13.9	22.6
28-Feb-06	5	7	5	3	4	3	2	3	4	2	5	17	18	19	22	21	18	18	17	14	17	19	18	15	11.5	21.6
1-hr Average	10.9	11.8	13.0	13.0	12.4	12.9	12.5	12.4	12.3	12.4	12.8	13.2	13.9	13.8	13.2	13.4	12.5	13.0	13.0	12.7	13.2	13.3	12.4	11.5		
Hourly Max	27.6	25.4	38.0	35.7	27.0	30.0	30.0	31.2	28.3	31.1	30.5	32.3	39.1	34.2	32.2	32.3	33.1	32.1	29.0	27.3	36.0	26.2	27.6	24.6		

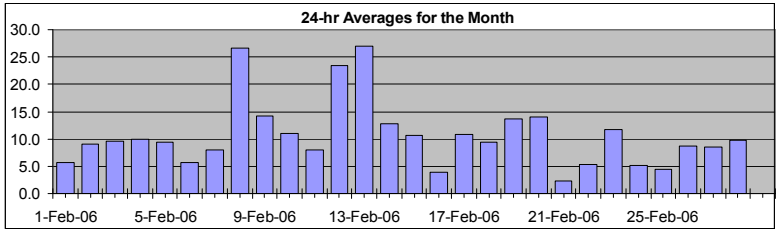
PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	39.0	km/hr	8-Feb	12:00 13:00
Maximum 24-hr Value:	27.0	km/hr	13-Feb	

Calm Time:	2 hrs	**0%** calms				Operational Time:			669 hrs	
Calibration Time:	0 hrs					AMD Operational Uptime:			99.9%	
Percentile	99	95	75	50	25	5	1			AverageV
	32.1	26.3	16.4	11.4	7.6	2.6	1.3			47.8 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-Feb-06	8	10	9	6	4	N	6	1	1	4	5	5	5	5	6	8	11	8	13	13	19	19	15	15	5.6	19.2
2-Feb-06	12	11	9	7	11	5	7	8	8	11	7	9	8	7	4	8	6	12	14	15	11	18	16	10	9.0	17.5
3-Feb-06	12	8	14	16	12	7	6	7	9	9	9	7	6	16	19	22	14	17	13	11	8	2	7	7	9.6	21.6
4-Feb-06	11	11	9	10	13	17	21	22	21	19	21	15	12	12	12	12	14	13	10	14	11	15	20	21	9.9	22.3
5-Feb-06	21	22	18	15	13	18	13	11	10	8	11	10	15	13	14	12	4	5	2	5	4	5	5	4	9.5	21.5
6-Feb-06	4	6	8	8	9	5	7	9	6	7	6	8	10	10	5	8	11	9	8	4	2	5	3	1	5.7	10.7
7-Feb-06	5	7	7	9	9	11	10	9	8	8	8	9	8	8	6	7	7	8	10	10	8	8	4	5	7.9	11.4
8-Feb-06	7	7	14	28	21	25	28	30	27	31	30	32	39	34	32	32	33	32	29	26	26	26	28	23	26.6	39.0
9-Feb-06	20	18	21	21	18	20	16	17	16	14	13	20	20	21	15	16	13	14	12	12	14	13	12	5	14.2	21.5
10-Feb-06	7	9	11	9	9	11	10	10	11	10	16	20	19	19	17	12	11	10	13	10	10	9	8	7	11.1	19.7
11-Feb-06	7	6	11	10	7	7	8	7	10	11	10	10	12	9	8	8	5	6	12	10	9	13	13	14	7.9	13.6
12-Feb-06	12	25	25	25	25	24	14	19	23	22	22	22	25	23	24	23	21	26	25	27	36	24	26	24	23.5	35.9
13-Feb-06	28	24	38	36	27	30	29	31	28	28	29	28	29	29	32	26	26	27	25	21	24	22	18	15	27.0	38.0
14-Feb-06	13	19	22	19	20	20	28	19	18	17	19	19	18	17	13	15	16	15	12	12	14	13	9	5	12.7	28.2
15-Feb-06	11	14	12	8	7	10	8	12	14	12	19	19	20	22	23	18	18	16	13	14	15	16	10	10	10.7	22.6
16-Feb-06	4	6	10	10	10	10	8	6	7	5	5	3	2	1	2	3	5	10	10	11	12	11	11	12	4.0	12.3
17-Feb-06	11	11	12	14	13	10	8	9	10	12	12	13	17	13	6	8	9	11	12	14	16	16	14	15	10.9	17.4
18-Feb-06	4	7	4	3	4	2	3	5	9	10	8	7	12	16	18	17	15	14	16	11	11	12	11	13	9.4	18.2
19-Feb-06	12	10	12	14	12	17	20	18	14	13	19	13	20	24	19	18	11	10	13	15	17	16	16	16	13.6	23.6
20-Feb-06	17	19	16	14	13	14	18	18	19	23	18	12	18	9	17	20	13	18	9	9	10	13	10	12	14.0	23.0
21-Feb-06	10	4	8	11	15	12	11	9	5	6	5	8	7	2	2	6	13	14	18	13	12	13	11	10	2.3	17.7
22-Feb-06	11	9	12	13	12	9	8	8	5	8	6	8	8	8	7	4	10	8	5	8	4	6	2	4	5.3	12.9
23-Feb-06	calm	3	3	1	6	8	8	11	10	16	16	14	13	17	20	19	19	14	12	12	14	15	16	11	11.7	20.3
24-Feb-06	13	12	11	11	10	11	9	7	7	2	1	2	1	3	4	10	7	8	8	8	8	3	5	2	5.1	12.9
25-Feb-06	2	6	7	4	4	5	6	4	3	2	2	3	2	2	2	2	3	5	9	9	7	8	9	12	4.4	11.5
26-Feb-06	12	12	12	12	13	11	12	12	12	10	9	6	1	calm	2	3	3	5	8	12	13	15	13	12	8.7	15.4
27-Feb-06	14	15	15	17	18	16	19	21	23	20	18	16	14	12	9	8	6	7	11	11	12	9	10	6	8.6	22.5
28-Feb-06	5	7	4	2	4	3	1	3	4	1	5	17	18	19	22	21	18	18	17	14	17	19	18	15	9.8	21.6
1-hr Vector	6.2	6.5	7.5	7.2	6.6	7.0	5.6	5.7	6.1	6.3	6.0	5.8	7.8	7.2	7.9	8.0	8.0	7.9	8.0	8.3	8.2	8.0	7.0	6.6		
Hourly Max	27.5	25.3	38.0	35.6	27.0	30.0	28.9	31.1	28.3	31.1	30.4	32.1	39.0	34.1	32.0	32.2	33.0	32.1	29.0	27.2	35.9	26.2	27.5	24.3		

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms				Operational Time:			671 hrs																	
Calibration Time:	0 hrs					AMD Operational Uptime:			99.9%																	
Percentile	99	95	75	50	25	5	1	Average																		
	356.7	331.0	271.9	250.8	142.0	18.6	5.0	285 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-Feb-06	24	28	23	0	280	D	27	21	216	207	205	221	199	216	259	279	260	245	257	261	264	254	253	254	266	W
2-Feb-06	268	249	260	291	273	242	230	215	240	227	232	192	191	181	233	207	275	261	260	269	258	261	223	228	243	WSW
3-Feb-06	212	238	248	242	250	261	251	234	230	247	230	233	219	239	243	245	237	232	246	255	231	32	22	27	242	WSW
4-Feb-06	26	50	57	135	109	56	38	45	48	39	43	36	22	6	2	356	338	338	329	301	293	288	296	306	13	NNE
5-Feb-06	294	298	282	276	270	299	300	303	302	268	240	272	267	263	297	256	315	29	79	191	175	219	238	255	280	W
6-Feb-06	208	215	239	262	263	244	210	210	230	237	255	259	242	246	249	269	273	291	292	300	16	299	358	3	256	WSW
7-Feb-06	254	232	223	245	254	280	247	240	254	232	228	219	244	247	264	265	281	250	231	256	220	214	226	243	244	WSW
8-Feb-06	257	232	273	273	259	239	239	251	248	251	256	259	263	262	256	260	265	260	263	265	254	259	264	257	258	WSW
9-Feb-06	257	280	297	300	291	310	255	251	270	266	260	335	330	333	333	339	329	326	306	296	303	315	330	330	302	WNW
10-Feb-06	304	251	276	225	200	229	257	239	228	234	235	225	221	215	253	257	252	231	266	262	225	239	241	239	240	WSW
11-Feb-06	254	265	273	270	271	258	223	222	248	256	229	198	187	185	179	184	199	239	288	291	277	270	252	246	244	WSW
12-Feb-06	251	260	263	263	267	270	235	256	265	255	255	259	263	267	261	263	268	272	267	270	266	263	263	260	263	W
13-Feb-06	272	263	260	264	250	252	263	259	257	254	257	258	265	265	259	263	267	268	277	265	264	262	264	280	262	W
14-Feb-06	300	320	328	326	327	332	16	14	352	346	325	317	317	301	291	255	257	260	243	263	255	254	243	243	311	NW
15-Feb-06	351	349	354	314	278	243	269	291	276	279	336	344	9	29	36	35	31	52	28	32	22	22	2	5	360	N
16-Feb-06	15	2	360	9	4	20	21	12	30	38	47	186	221	240	258	266	274	277	271	282	276	258	254	254	314	NW
17-Feb-06	253	224	228	211	221	225	250	231	214	201	192	223	244	245	245	226	242	254	265	275	281	273	269	282	242	WSW
18-Feb-06	277	234	210	202	223	215	255	317	313	280	272	285	258	253	255	262	269	258	245	241	273	249	258	244	259	WSW
19-Feb-06	238	241	251	226	227	249	244	246	246	241	245	267	308	326	316	306	299	241	253	258	263	267	256	269	265	W
20-Feb-06	267	263	266	268	263	272	299	276	267	268	276	290	299	253	313	314	311	310	311	227	239	264	252	333	281	WNW
21-Feb-06	348	234	226	279	282	279	280	315	204	206	149	171	234	161	239	33	28	36	58	68	54	44	41	42	359	N
22-Feb-06	49	52	30	33	18	11	352	343	338	328	336	348	299	236	259	2	287	286	306	286	309	273	33	22	343	NNW
23-Feb-06	328	299	336	39	33	19	28	36	25	31	34	37	27	22	25	25	27	23	15	14	16	22	29	17	23	NNE
24-Feb-06	15	14	17	16	5	10	360	349	316	288	216	180	229	159	283	297	358	358	344	323	292	279	266	207	341	NNW
25-Feb-06	253	359	6	87	43	24	31	5	20	97	57	34	47	258	306	29	30	32	55	30	26	17	20	23	25	NNE
26-Feb-06	23	26	27	29	33	27	18	22	19	29	37	66	113	344	289	275	296	359	20	21	34	48	46	35	28	NNE
27-Feb-06	37	33	45	48	56	51	58	63	59	57	57	51	42	44	36	347	325	265	254	269	281	276	273	258	35	NE
28-Feb-06	277	280	243	244	298	294	272	23	50	86	19	23	19	20	16	20	22	13	22	28	34	40	38	25	19	NNE
Hourly Avg	293	288	290	282	281	289	293	286	280	269	272	280	283	280	290	290	295	288	286	284	281	282	283	291		

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

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 671 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.9%

Percentile	99	95	75	50	25	5	1
	50.0	33.2	10.1	6.0	3.9	2.6	2.0

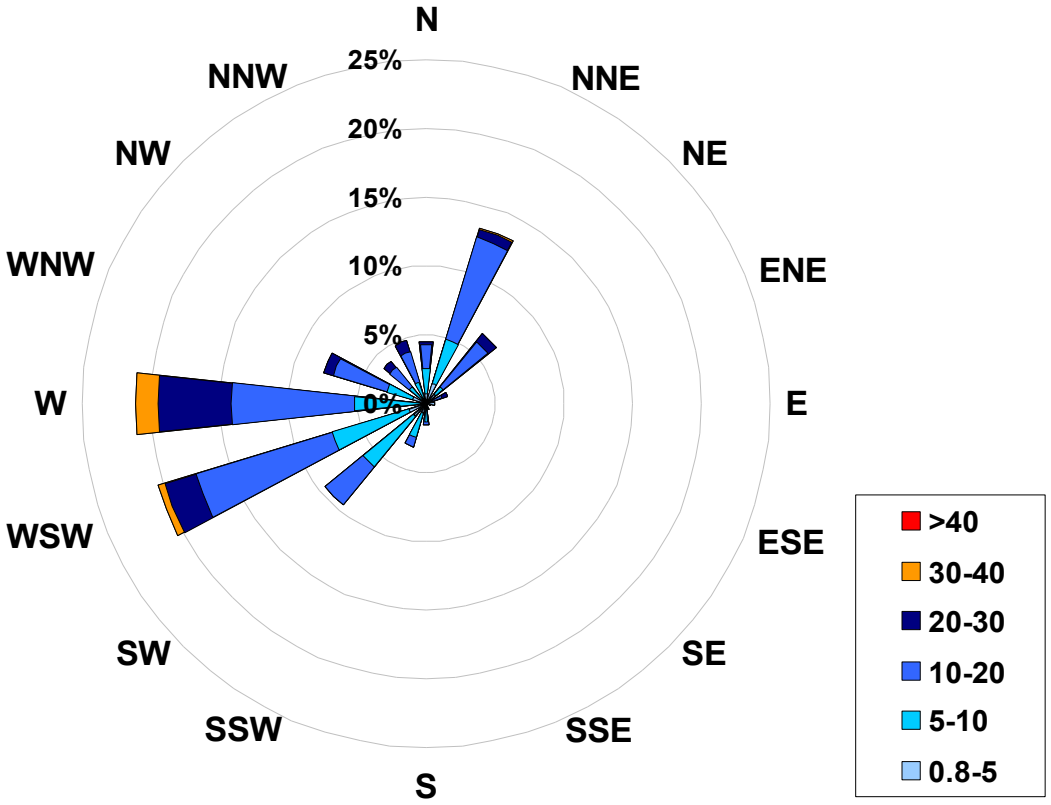
Status Flag Characters

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	Daily Maximum
1-Feb-06	4	4	5	12	16	N	8	39	49	12	10	10	9	9	15	10	5	6	4	4	2	2	2	4	48.8
2-Feb-06	13	12	7	11	11	34	13	10	10	8	14	5	5	6	9	12	17	5	3	3	7	5	5	13	34.2
3-Feb-06	6	10	3	3	6	6	13	7	19	18	8	9	10	5	4	3	4	3	7	6	15	45	6	7	44.9
4-Feb-06	3	8	8	14	7	6	4	4	3	3	6	5	5	7	11	8	9	10	9	5	6	11	10	6	13.7
5-Feb-06	6	5	4	6	4	6	8	7	14	16	7	10	7	5	10	7	53	16	32	11	16	7	6	26	53.0
6-Feb-06	16	10	6	5	6	10	7	5	9	3	6	9	9	8	13	6	3	4	4	21	19	9	41	40	41.0
7-Feb-06	16	7	9	9	10	5	5	7	9	10	11	15	14	10	15	12	40	9	8	7	9	11	19	16	40.5
8-Feb-06	11	13	8	4	6	4	4	5	3	2	3	3	3	3	3	4	3	2	3	2	2	2	2	2	12.8
9-Feb-06	6	7	6	3	5	8	10	3	3	4	15	9	9	8	11	9	9	3	3	2	2	2	4	28	27.9
10-Feb-06	34	10	7	17	13	4	5	3	5	6	4	3	5	8	4	5	8	5	7	7	7	5	8	25	34.4
11-Feb-06	13	25	13	6	8	32	8	10	4	4	5	7	5	4	5	3	7	11	5	3	7	7	7	8	32.1
12-Feb-06	19	4	4	5	4	10	13	7	4	4	3	4	3	2	2	3	3	3	2	2	3	3	3	4	19.5
13-Feb-06	2	4	3	3	2	2	4	3	3	2	3	4	3	4	4	3	3	2	4	5	2	3	2	2	4.9
14-Feb-06	4	5	5	5	5	5	6	6	7	8	6	7	9	6	11	7	5	3	5	5	5	4	5	7	10.6
15-Feb-06	23	5	5	9	15	7	11	3	4	5	8	8	7	8	6	8	7	4	5	5	6	5	5	4	22.6
16-Feb-06	28	6	5	3	3	5	4	6	6	9	14	14	29	42	26	17	5	3	3	4	3	4	4	2	42.5
17-Feb-06	5	8	3	6	3	9	9	4	4	3	3	9	5	6	12	10	7	4	4	3	4	4	4	5	12.3
18-Feb-06	34	16	24	18	33	19	20	37	5	7	16	34	6	7	8	8	5	7	3	3	4	6	3	2	36.6
19-Feb-06	4	4	3	3	5	3	2	3	5	3	10	8	10	9	8	6	15	9	4	3	6	4	5	4	15.2
20-Feb-06	1	2	2	3	4	3	7	5	3	3	6	12	16	18	9	7	9	7	8	6	7	4	7	14	17.8
21-Feb-06	9	19	15	9	3	6	9	15	40	33	23	11	10	35	26	13	4	6	6	6	5	5	4	5	40.2
22-Feb-06	4	7	4	4	5	6	6	7	17	10	48	14	31	15	10	10	11	4	10	6	19	8	18	15	47.7
23-Feb-06	64	50	27	23	23	5	6	3	3	3	3	3	5	5	3	3	3	4	4	6	4	3	4	4	63.6
24-Feb-06	4	4	5	6	5	5	5	7	7	19	60	49	43	16	41	12	9	6	6	8	5	28	12	19	60.0
25-Feb-06	16	7	20	14	22	11	5	6	14	27	47	31	52	35	63	39	43	6	5	2	4	4	4	3	62.9
26-Feb-06	4	3	3	5	3	3	4	4	5	6	4	13	45	62	39	16	19	11	4	3	3	8	7	4	62.2
27-Feb-06	4	4	4	4	3	4	4	3	3	4	4	4	6	7	9	8	14	13	4	5	6	9	12	22	21.9
28-Feb-06	12	6	22	33	21	31	49	15	8	50	7	4	4	3	3	4	3	3	4	3	3	3	3	3	50.0
Hourly Max	64	50	27	33	33	34	49	39	49	50	60	49	52	62	63	39	53	16	32	21	19	45	41	40	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	69
5	to	10	194
10	to	20	314
20	to	30	79
30	to	40	15
	>	40	0
Total Non-Zero Values			671

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: February 1, 2006 to March 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:	633
Number of 1-hr Fair Readings:	0
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-Feb-06	11	10	6	6	6	5	7	8	7	10	7	9	11	9	9	8	9	9	12	9	14	16	18	18
2-Feb-06	19	19	18	18	18	17	17	16	13	15	16	16	15	14	15	13	13	14	20	16	16	18	18	19
3-Feb-06	19	18	18	19	19	19	18	17	14	15	15	15	17	21	21	21	20	19	17	16	19	20	19	18
4-Feb-06	N	20	17	19	21	21	21	20	20	20	19	16	18	18	18	18	18	17	16	13	12	12	13	13
5-Feb-06	13	13	13	13	14	14	14	14	14	15	15	15	16	17	18	18	18	17	15	16	10	8	10	12
6-Feb-06	14	13	12	11	9	8	7	4	6	6	8	6	7	10	10	10	9	6	5	6	6	9	6	7
7-Feb-06	10	6	5	7	7	8	8	7	9	7	6	6	6	7	8	8	7	8	8	7	6	6	7	10
8-Feb-06	12	18	21	N	22	22	22	21	21	21	21	21	22	22	22	22	22	21	21	21	21	20	21	20
9-Feb-06	20	20	20	19	18	18	18	17	18	18	15	16	19	20	20	20	19	19	19	18	14	12	15	15
10-Feb-06	15	14	14	14	15	15	13	12	8	10	13	15	17	16	17	19	18	20	18	17	17	18	18	20
11-Feb-06	21	21	21	22	21	22	21	20	18	17	17	20	19	19	20	19	17	13	14	16	16	17	18	17
12-Feb-06	16	17	21	23	23	23	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
13-Feb-06	N	N	N	N	N	N	N	N	N	N	N	N	21	21	21	21	21	21	21	21	20	20	20	19
14-Feb-06	19	19	18	20	19	19	18	18	18	19	19	17	19	19	19	N	N	N	N	N	N	13	15	17
15-Feb-06	17	16	13	15	16	17	16	14	15	16	17	17	17	18	18	18	18	19	19	19	20	20	20	19
16-Feb-06	19	18	19	17	18	16	12	14	13	16	9	16	17	19	19	20	18	15	8	14	16	18	18	9
17-Feb-06	7	11	12	12	14	14	15	16	15	N	17	16	13	16	17	14	11	13	15	16	16	19	16	15
18-Feb-06	17	17	15	15	17	16	16	10	7	12	17	18	18	19	19	19	18	15	12	16	15	16	16	16
19-Feb-06	15	15	16	18	18	19	18	18	19	18	20	21	21	21	22	21	21	20	19	19	18	17	19	19
20-Feb-06	20	20	20	20	20	20	18	19	19	19	19	20	20	21	21	21	20	20	18	16	17	14	17	17
21-Feb-06	17	17	16	16	17	17	16	14	15	18	18	19	20	20	21	20	18	17	19	18	18	18	19	19
22-Feb-06	19	20	19	19	17	17	18	18	15	16	17	17	18	19	19	19	17	13	15	18	18	18	20	20
23-Feb-06	19	18	18	15	11	16	12	7	10	17	18	19	19	20	20	19	18	19	18	19	18	17	18	17
24-Feb-06	17	16	17	17	14	13	13	12	10	14	14	15	16	16	16	17	17	17	16	16	17	17	17	16
25-Feb-06	15	15	15	15	14	11	7	11	8	15	14	12	13	14	17	16	16	15	16	16	17	17	16	12
26-Feb-06	13	13	12	10	13	13	11	7	12	12	11	13	15	16	17	16	16	16	14	14	13	15	13	13
27-Feb-06	13	13	13	13	13	13	13	13	14	14	14	15	16	16	16	15	15	13	11	8	12	10	11	11
28-Feb-06	10	9	9	7	10	9	6	7	10	14	11	10	10	15	15	17	17	18	18	18	18	17	17	17

PASZA – Beaverlodge - Sulphur Dioxide Monthly Summary

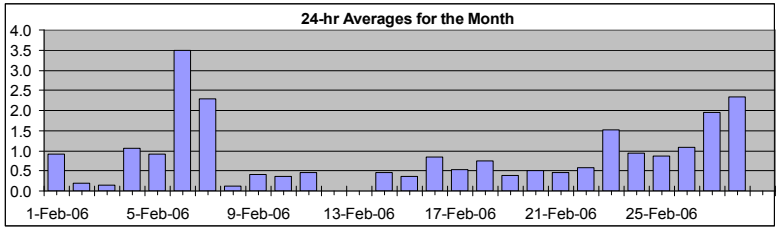
HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	19.7	ppb	6-Feb	16:00 17:00
Maximum 24-hr Average:	3.5	ppb	6-Feb	

AIC Time:	0 hrs	Operational Time:	638 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	95.5%

Percentile	99	95	75	50	25	5	1	Average	Median
	6.0	2.9	1.1	0.5	0.2	0.1	0.1	0.9 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-Feb-06	3	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.9	2.6
2-Feb-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	0.2	0.5
3-Feb-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
4-Feb-06	1	0	1	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	1	2	1.1	2.1
5-Feb-06	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.9	1.6
6-Feb-06	1	0	0	0	0	0	0	0	1	1	1	2	5	8	5	8	20	8	5	4	4	3	3	3	3.5	19.7
7-Feb-06	2	3	2	3	5	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	2.3	4.8
8-Feb-06	1	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	0.6
9-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	0	0	0	0.4	0.8
10-Feb-06	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0.4	0.9
11-Feb-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.4	1.1
12-Feb-06	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.2
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	0	0	0	0	0	0	1	0	0	9	1	0	N	8.7
14-Feb-06	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	C	C	C	C	0	0	0	0.5	1.1
15-Feb-06	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.2
16-Feb-06	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	2	1	1	1	2	1	0.8	1.9
17-Feb-06	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	1	1	0	1	1	0.5	0.8
18-Feb-06	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	5	3	1	0	0.8	5.3
19-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	2	0.4	1.8
20-Feb-06	0	2	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0.5	1.8
21-Feb-06	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	1	2	1	0	0	0	0.5	1.9
22-Feb-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.6	1.3
23-Feb-06	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	2	4	5	6	6	3	2	1	1	1.5	6.2
24-Feb-06	2	1	0	1	0	0	1	1	2	2	2	3	1	1	1	1	1	0	0	1	0	0	1	1	0.9	3.3
25-Feb-06	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0.9	1.9
26-Feb-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	2	1	2	3	3	1.1	3.1
27-Feb-06	3	3	3	3	3	3	4	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1.9	3.5
28-Feb-06	1	1	2	2	0	1	1	1	2	2	2	3	2	4	3	6	7	5	2	3	2	1	1	1	2.3	6.8
Hourly Avg	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	0.9	1.3	1.7	1.2	1.1	1.0	1.0	1.1	0.8	0.8		
Hourly Max	3.1	3.2	2.7	2.9	4.8	2.9	3.5	3.1	2.6	2.6	2.7	3.3	4.9	7.7	5.3	8.4	19.7	8.4	6.2	5.7	5.3	8.7	3.5	3.1		

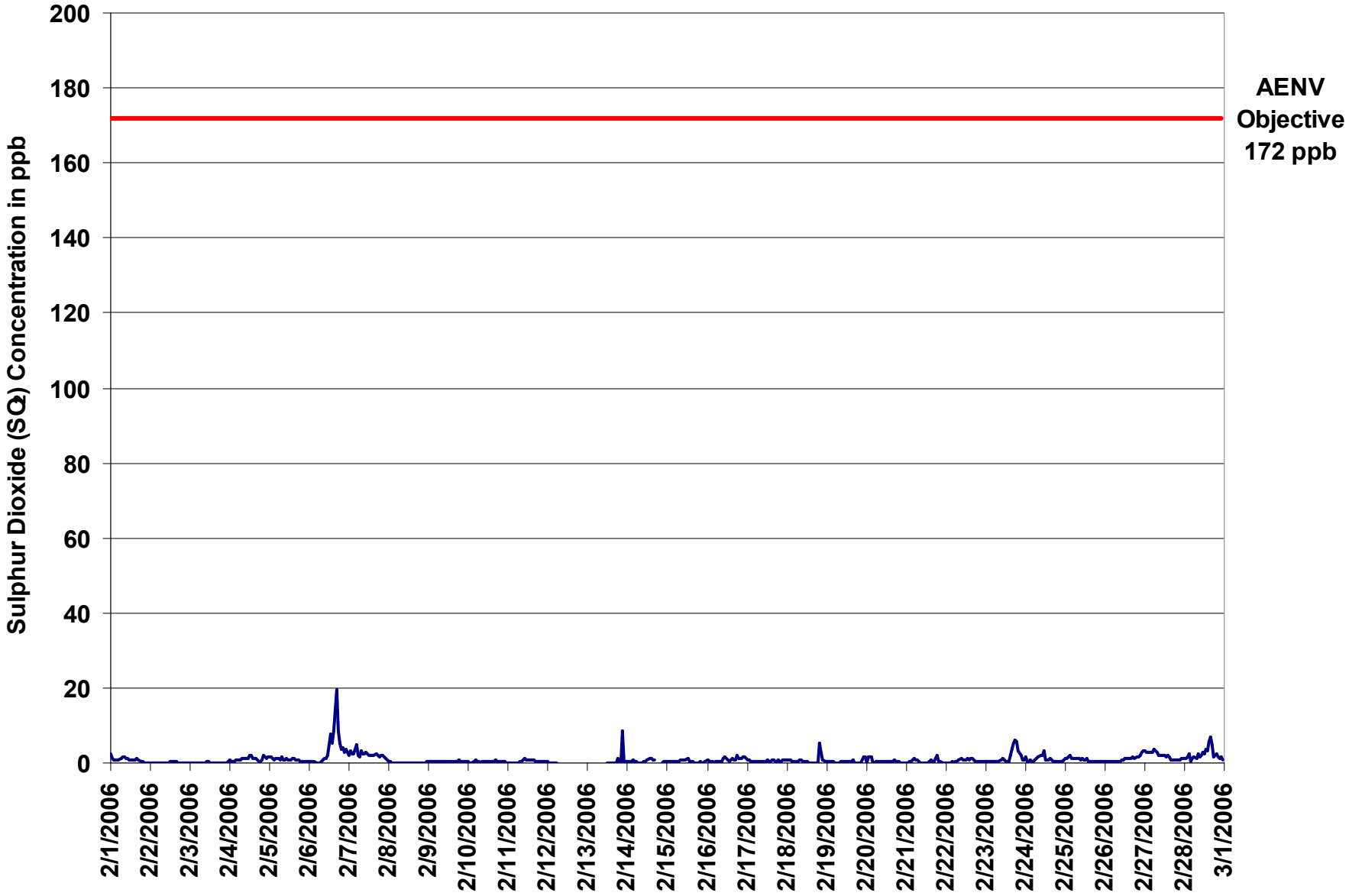


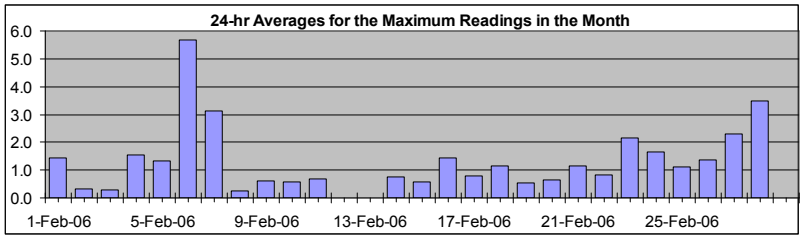
Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	30.8	ppb	6-Feb	16:00 17:00
Maximum 24-hr Value:	5.7	ppb	6-Feb	

AIC Time:	0 hrs	Operational Time:	638 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	95.5%

Percentile	99	95	75	50	25	5	1	Average	Median
	8.7	4.3	1.5	0.8	0.4	0.2	0.2	1.4 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-Feb-06	4	2	2	1	1	2	3	4	3	1	2	1	1	1	1	1	2	1	1	0	0	0	0	0	1.4	3.7
2-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.3	0.6
3-Feb-06	0	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	1.5
4-Feb-06	1	1	1	1	1	1	1	1	2	1	1	1	4	3	1	2	2	1	1	2	3	2	2	2	1.6	3.8
5-Feb-06	2	2	2	1	2	2	2	2	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1.3	2.4
6-Feb-06	1	1	1	0	0	0	0	2	1	3	2	3	6	10	7	25	31	11	8	5	5	4	6	4	5.7	30.8
7-Feb-06	3	4	3	3	11	4	3	4	3	4	3	3	2	2	2	3	3	3	2	3	2	3	2	1	3.1	11.1
8-Feb-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9
9-Feb-06	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0.6	1.2
10-Feb-06	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	0	0	0	0	0.6	1.1
11-Feb-06	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.7	1.4
12-Feb-06	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.4
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	0	0	0	0	0	1	3	1	1	25	7	0	N	25.3
14-Feb-06	0	1	1	1	0	0	0	0	0	0	0	1	1	2	1	1	1	C	C	C	C	0	0	0	0.7	1.8
15-Feb-06	1	1	0	0	0	0	1	1	1	1	1	1	2	0	0	1	0	0	0	0	0	0	0	1	0.6	1.8
16-Feb-06	1	2	0	0	0	0	1	1	1	1	3	2	1	1	1	1	1	2	3	2	2	2	2	3	1.4	3.4
17-Feb-06	2	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.6
18-Feb-06	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	1	8	4	1	1	1.2	8.0
19-Feb-06	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	2	2	0.5	1.8
20-Feb-06	0	2	2	2	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	1	0	0	0	0	0.7	1.8
21-Feb-06	0	0	0	0	1	2	1	1	1	0	0	0	0	0	1	7	1	0	5	4	1	1	0	0	1.1	6.6
22-Feb-06	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0.8	1.6
23-Feb-06	0	0	0	0	1	0	1	0	1	1	2	1	1	1	0	4	5	7	8	7	4	3	1	2	2.2	8.1
24-Feb-06	5	1	1	1	0	1	1	1	3	2	6	7	1	1	1	2	2	0	1	1	1	1	1	1	1.7	6.5
25-Feb-06	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1.1	2.4
26-Feb-06	0	0	0	1	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	1.4	3.4
27-Feb-06	3	3	3	3	3	3	4	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2.3	4.4
28-Feb-06	2	1	2	3	1	2	2	5	4	4	4	6	3	5	4	9	8	7	2	4	2	2	2	1	3.5	9.0
Hourly Avg	1.2	1.0	0.9	1.0	1.1	0.9	1.0	1.3	1.2	1.2	1.4	1.5	1.4	1.4	1.3	2.6	2.5	1.7	1.6	1.6	1.5	2.1	1.3	1.1		
Hourly Max	4.8	3.9	3.2	3.3	11.1	3.9	4.4	4.6	4.2	3.8	5.6	6.5	6.1	9.7	6.7	25.3	30.8	11.1	8.1	7.4	8.0	25.3	7.0	4.3		

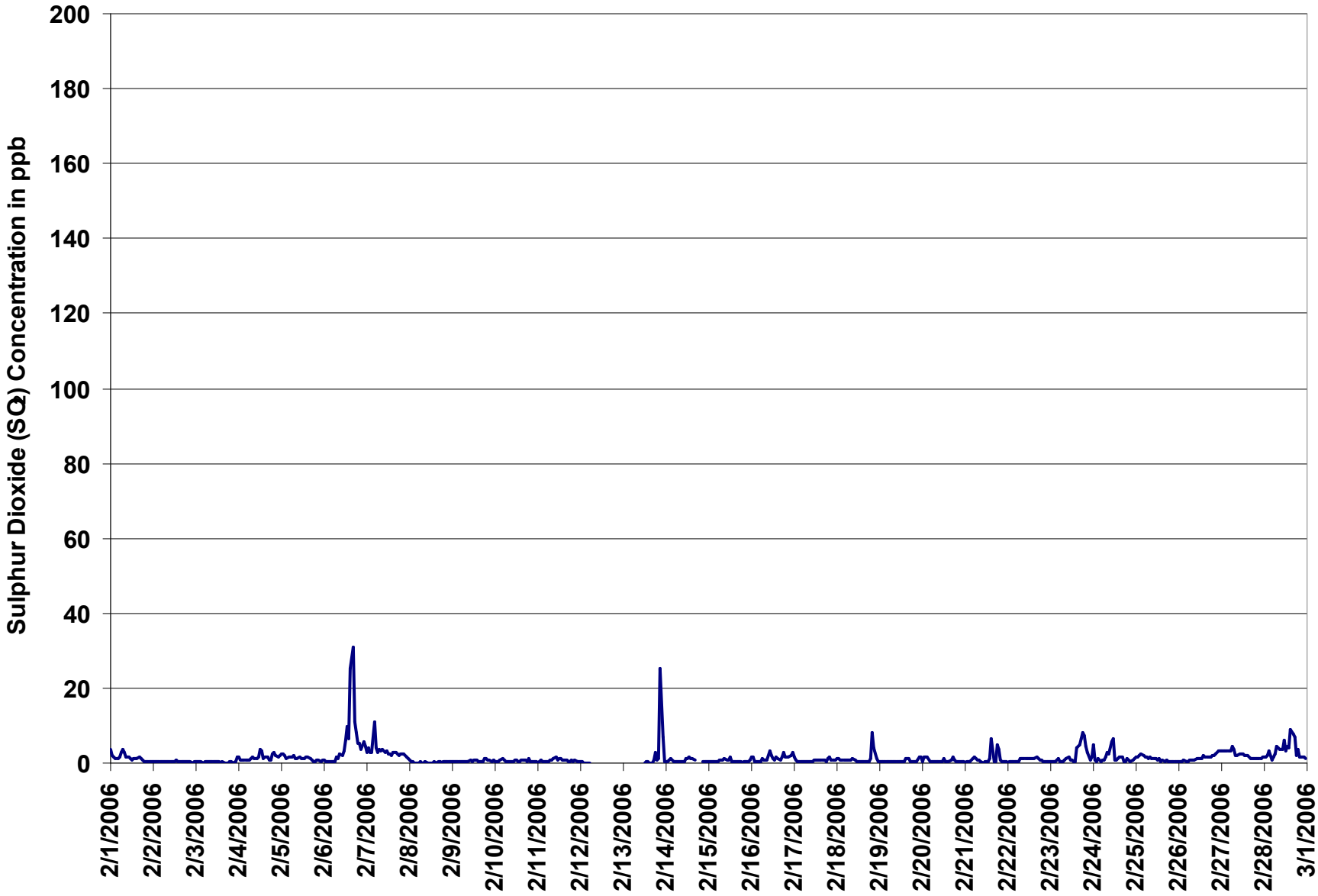
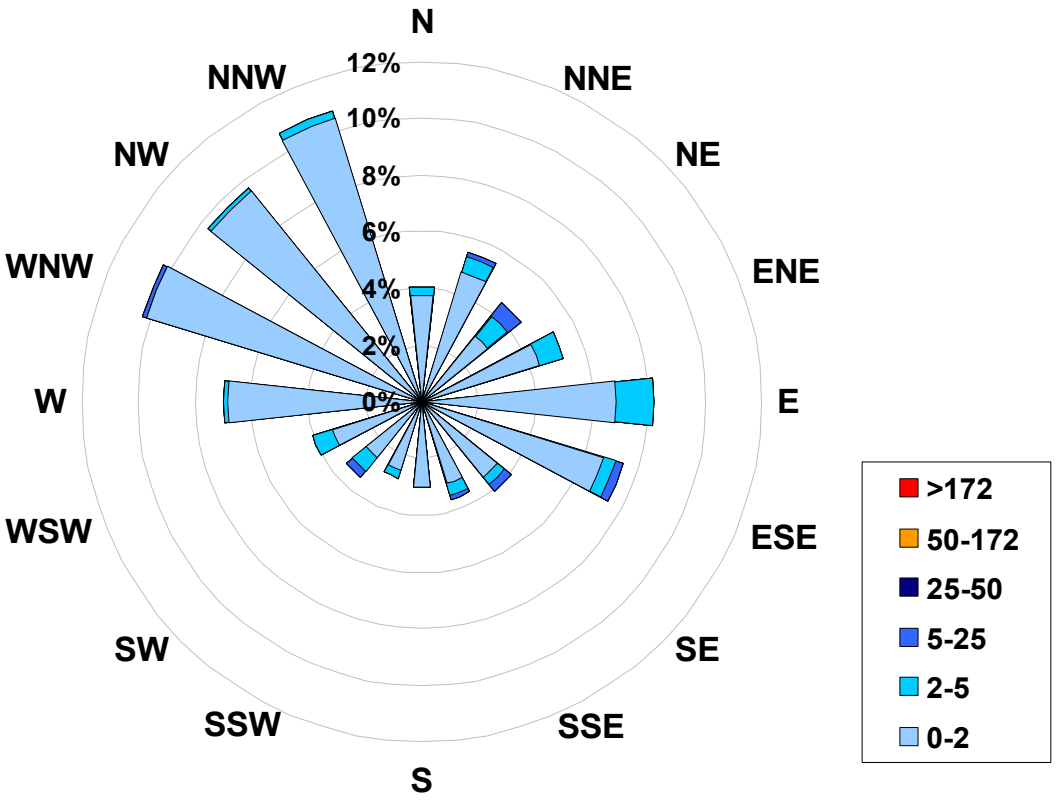


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	2%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	574
2	to	5	51
5	to	25	13
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			638

PASZA – Beaverlodge - Nitrogen Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

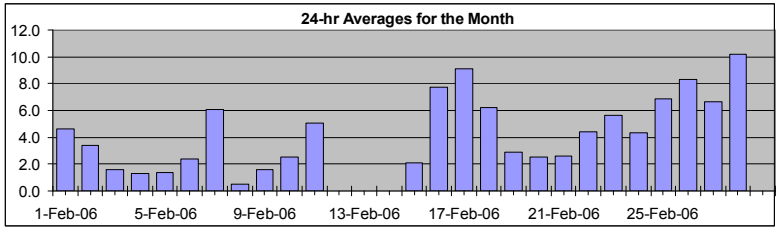
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	25.7	ppb	17-Feb	0:00 1:00
Maximum 24-hr Average:	10.2	ppb	28-Feb	



AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	21.0	14.0	6.0	3.0	0.7	0.0	0.0	4.3 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-Feb-06	0	0	2	5	5	5	10	13	12	8	3	0	0	0	2	4	11	15	11	5	0	0	0	0	4.6	14.7
2-Feb-06	0	0	0	0	1	1	1	2	6	5	5	3	4	8	8	8	8	8	1	6	5	1	1	0	3.4	8.4
3-Feb-06	0	2	1	0	0	0	0	1	6	4	3	3	1	0	0	0	0	1	4	7	1	0	1	2	1.6	6.9
4-Feb-06	2	0	3	1	0	0	0	0	0	0	0	7	1	1	1	2	2	2	3	2	2	1	1	0	1.3	7.2
5-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	13	7	3	1.4	13.1
6-Feb-06	0	0	0	0	0	0	1	6	2	3	4	1	1	5	6	6	0	11	4	2	1	0	0	4	2.4	11.4
7-Feb-06	3	0	0	0	0	0	0	3	3	2	0	0	0	0	3	8	12	17	18	21	21	14	11	9	6.1	21.0
8-Feb-06	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	8.9
9-Feb-06	0	0	0	0	1	1	2	4	2	1	5	1	0	0	0	0	0	0	0	0	6	9	3	3	1.6	9.1
10-Feb-06	1	1	0	0	0	0	2	4	11	7	2	0	0	0	0	0	3	3	5	8	6	4	3	1	2.5	11.2
11-Feb-06	0	1	0	0	1	1	2	3	6	8	5	4	5	5	4	5	7	15	14	9	8	7	4	8	5.0	15.3
12-Feb-06	6	4	2	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	5.7
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	0	0	0	0	0	0	0	C	C	C	C	C	C	C	12	12	3	3	3	2	N	12.3
15-Feb-06	1	3	8	A	3	1	3	7	5	4	3	3	1	0	0	0	0	0	0	1	1	1	0	2	2.1	8.2
16-Feb-06	2	4	0	A	3	6	14	10	11	6	20	7	4	1	1	1	3	10	25	10	7	5	4	23	7.7	24.6
17-Feb-06	26	13	12	A	7	7	5	5	6	5	4	6	10	7	7	12	16	12	10	9	9	4	8	11	9.1	25.7
18-Feb-06	5	6	10	A	3	5	4	16	23	10	3	2	2	2	1	1	2	8	14	5	7	5	4	4	6.2	22.5
19-Feb-06	4	4	4	A	2	2	5	5	3	7	4	1	1	1	1	1	1	2	2	3	3	5	2	3	2.9	7.1
20-Feb-06	1	1	1	1	1	1	4	3	3	3	2	2	2	1	1	1	2	2	4	7	6	7	2	3	2.6	7.5
21-Feb-06	2	1	5	4	2	3	4	6	5	2	1	1	1	1	1	2	5	7	4	3	2	1	1	1	2.6	6.6
22-Feb-06	1	1	1	1	2	3	2	3	7	6	5	4	3	3	4	4	8	16	12	6	6	5	2	1	4.4	16.2
23-Feb-06	2	3	3	9	18	6	14	19	15	6	3	3	2	2	2	3	3	3	3	3	3	6	3	4	5.6	18.6
24-Feb-06	3	5	3	3	7	8	7	8	13	5	5	3	2	2	2	2	3	3	5	3	2	3	4	5	4.3	13.0
25-Feb-06	6	5	5	5	6	11	20	11	18	5	7	10	7	6	2	4	5	6	5	3	2	2	3	11	6.9	19.7
26-Feb-06	9	9	10	15	7	6	12	17	8	7	10	8	4	4	4	5	6	9	10	9	10	5	7	6	8.3	17.4
27-Feb-06	6	6	6	6	5	6	7	6	5	4	4	4	3	3	4	6	4	7	13	18	8	11	9	9	6.6	17.5
28-Feb-06	11	11	12	15	23	15	18	17	24	16	7	11	12	5	6	5	4	5	4	4	4	4	4	4	10.2	23.9
Hourly Avg	3.8	3.1	3.4	3.2	3.5	3.3	5.3	6.5	7.4	4.8	4.1	3.3	2.6	2.3	2.4	3.2	4.3	6.5	7.0	6.0	5.0	4.5	3.4	4.6		
Hourly Max	25.7	13.2	12.5	15.4	22.8	15.3	19.7	18.6	23.9	16.5	20.2	11.4	12.5	7.5	7.6	11.5	16.1	16.5	24.6	21.0	20.9	14.1	10.9	23.4		

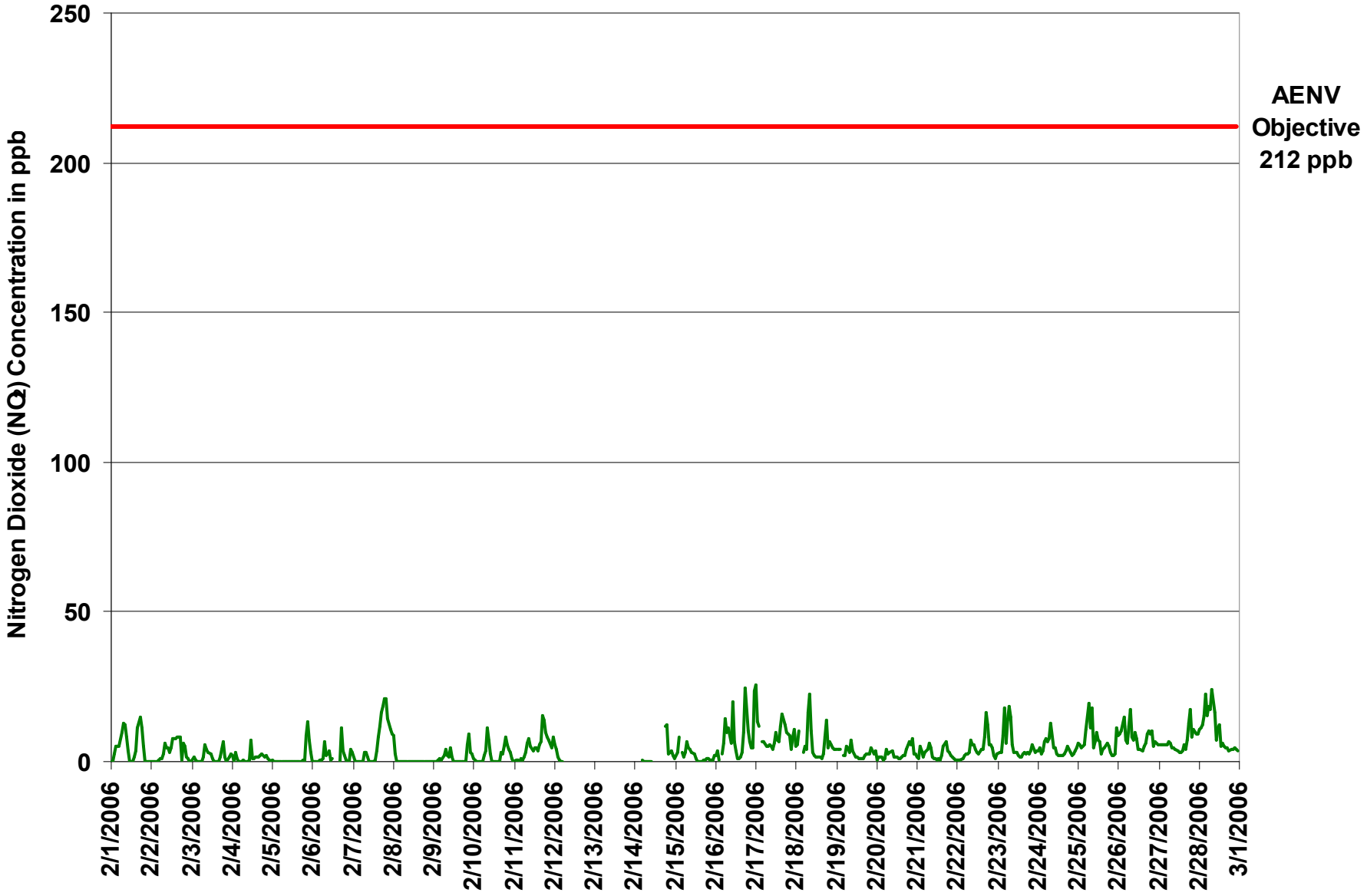


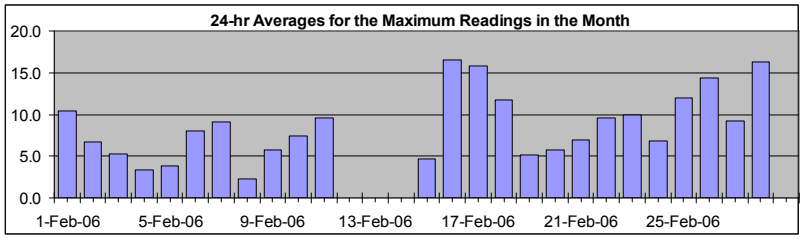
Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	52.3	ppb	16-Feb	23:00 0:00
Maximum 24-hr Value:	16.5	ppb	16-Feb	

AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	39.7	26.8	11.2	5.8	2.8	0.1	0.0	8.5 ppb	5.8 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-Feb-06	0	2	14	11	12	16	27	20	16	15	10	2	0	1	5	7	18	18	18	15	6	3	2	8	10.4	27.2
2-Feb-06	0	0	4	0	1	3	2	7	15	8	7	5	9	10	10	11	12	11	9	13	13	4	3	4	6.7	14.9
3-Feb-06	1	3	2	0	0	2	1	6	11	6	5	4	3	0	0	1	2	5	20	22	9	9	8	6	5.3	22.0
4-Feb-06	5	1	6	4	1	1	1	1	1	2	1	22	4	3	3	2	2	4	5	4	3	3	2	1	3.4	21.8
5-Feb-06	1	1	0	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	7	6	25	28	12	9	3.9	27.5
6-Feb-06	1	0	0	0	1	2	6	19	9	27	13	10	8	8	9	8	6	18	11	12	4	3	6	10	8.0	26.9
7-Feb-06	6	3	0	1	0	2	3	5	4	4	4	3	1	3	6	13	16	21	20	23	24	22	17	15	9.1	24.4
8-Feb-06	15	7	4	0	1	1	1	2	5	3	1	2	0	0	1	1	2	1	3	1	1	1	0	2	2.2	15.0
9-Feb-06	2	0	1	3	3	3	6	8	4	2	15	7	2	0	0	0	0	0	0	3	24	20	7	27	5.7	26.9
10-Feb-06	3	1	1	0	0	0	3	9	18	15	7	2	0	1	5	10	7	6	20	37	12	9	5	5	7.4	37.5
11-Feb-06	1	2	3	1	11	3	3	7	8	10	10	7	7	6	5	10	10	24	25	15	15	15	9	26	9.6	26.5
12-Feb-06	9	6	8	6	2	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	8.8
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	2	1	0	0	2	1	1	C	C	C	C	C	C	C	23	22	6	5	6	3	N	22.6
15-Feb-06	3	16	18	A	6	2	6	9	7	6	4	4	2	1	1	1	3	2	2	5	3	2	2	5	4.7	17.7
16-Feb-06	6	5	3	A	6	28	45	40	19	17	37	11	7	2	2	2	5	19	34	19	8	6	5	52	16.5	52.3
17-Feb-06	47	16	13	A	8	8	16	12	14	10	7	13	13	12	10	17	20	19	13	14	42	8	12	16	15.8	46.9
18-Feb-06	11	10	15	A	4	7	6	36	35	26	10	4	3	3	10	2	8	20	25	7	8	7	6	5	11.7	35.5
19-Feb-06	7	5	4	A	3	2	9	10	7	13	8	2	4	2	3	3	2	5	5	4	6	7	2	3	5.2	13.1
20-Feb-06	2	1	1	1	2	3	9	6	6	6	4	3	4	3	2	3	7	6	16	11	10	16	7	5	5.7	16.5
21-Feb-06	3	2	22	7	2	5	9	15	14	3	3	3	2	3	2	4	14	13	22	5	5	2	2	1	6.9	22.4
22-Feb-06	1	1	1	3	3	5	3	27	15	9	10	16	5	4	11	9	22	24	23	7	18	11	3	3	9.6	26.8
23-Feb-06	4	4	11	14	43	11	33	26	20	12	4	5	3	3	3	4	5	3	4	3	5	9	4	5	9.9	42.7
24-Feb-06	5	13	4	5	10	11	8	11	27	6	7	3	3	3	3	3	4	6	9	6	3	4	4	7	6.8	26.7
25-Feb-06	11	7	6	6	9	39	30	29	33	13	11	15	8	8	4	4	6	10	8	5	3	2	3	17	11.9	39.5
26-Feb-06	15	19	16	36	12	10	34	33	13	13	18	14	6	4	4	7	9	12	16	12	17	8	7	7	14.3	36.3
27-Feb-06	7	6	7	6	6	7	8	7	6	5	5	4	4	4	5	9	5	11	24	30	11	15	14	19	9.2	29.6
28-Feb-06	14	12	15	31	27	22	32	51	37	31	10	18	16	9	7	7	8	7	5	6	6	9	5	4	16.3	51.1
Hourly Avg	7.0	5.5	6.9	6.6	6.5	7.2	11.8	15.2	13.4	10.1	8.2	7.2	4.6	3.7	4.4	5.5	7.8	10.7	14.1	11.8	11.1	8.8	5.8	10.1		
Hourly Max	46.9	18.8	22.4	36.3	42.7	39.5	45.4	51.1	37.3	31.0	37.0	21.8	15.9	12.4	11.2	17.3	21.5	24.2	33.8	37.5	42.3	27.5	17.0	52.3		

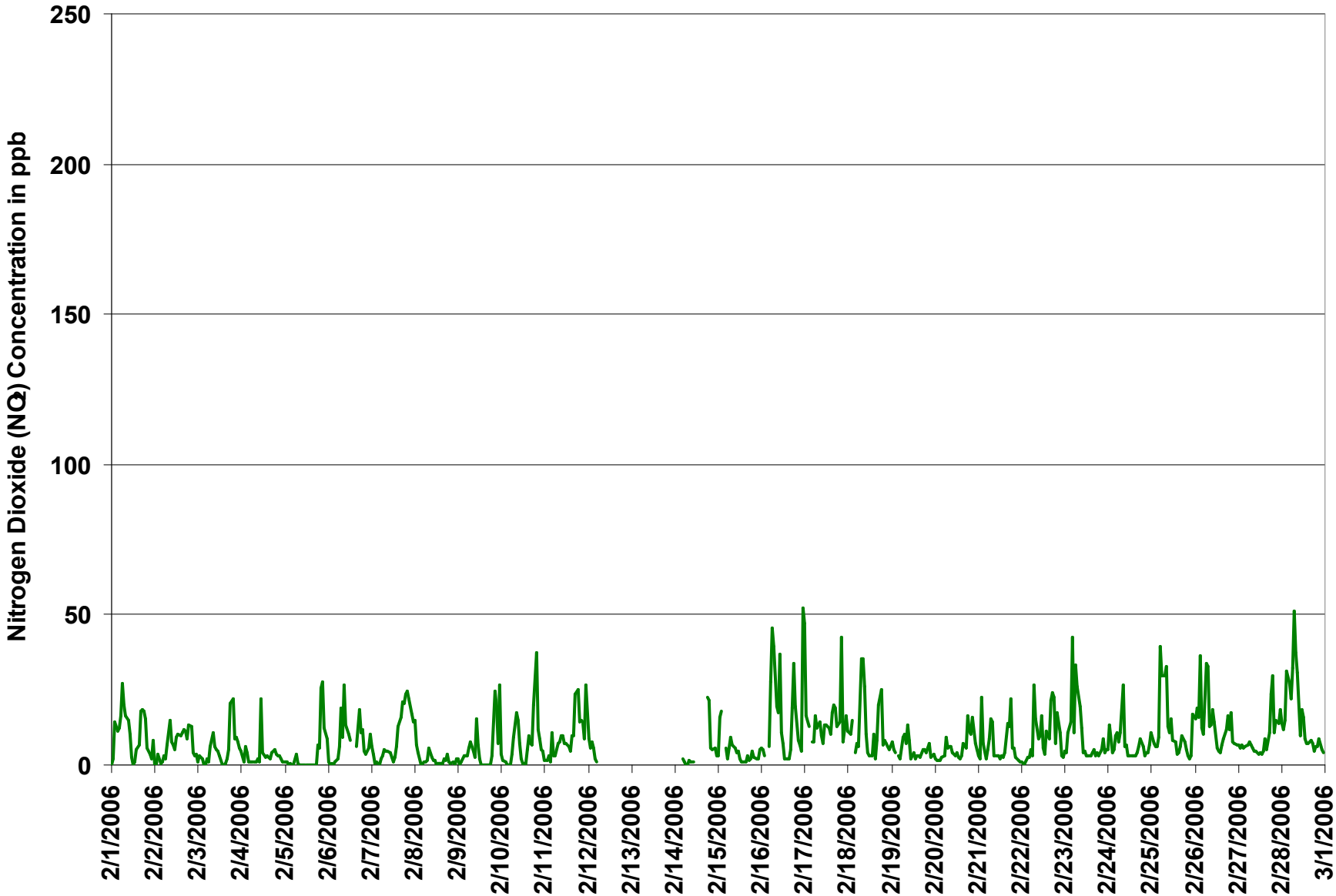
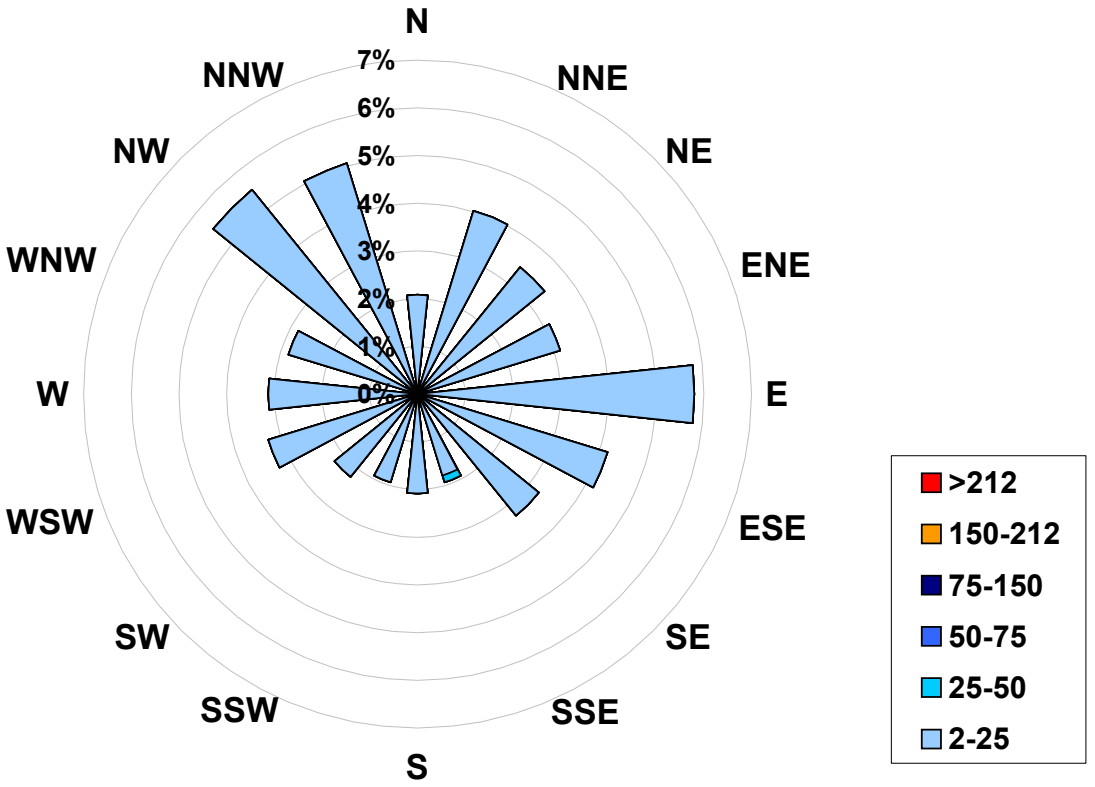


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	2%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	602
25	to	50	12
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			614

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

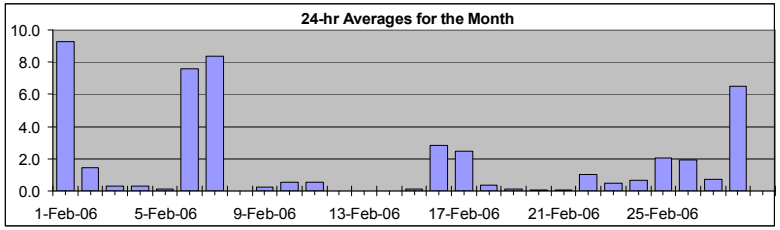
Nitric Oxide (NO)

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Maximum 1-hr Average:	38.2	ppb	14-Feb	8:00 9:00
Maximum 24-hr Average:	9.3	ppb	1-Feb	



AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	33.8	12.8	1.2	0.0	0.0	0.0	0.0	2.2 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**

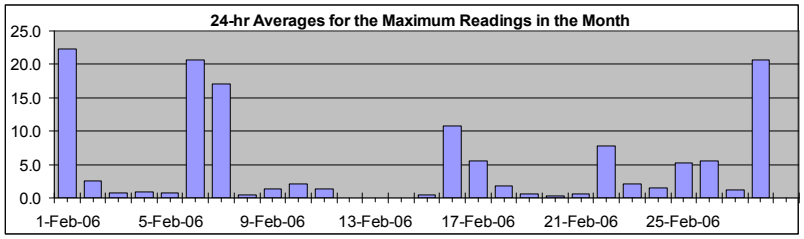
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-06	0	0	4	5	2	7	25	36	37	15	19	12	8	11	13	10	11	7	1	0	0	0	0	0	9.3	36.9
2-Feb-06	0	0	0	0	0	0	0	0	0	1	2	3	5	8	7	6	2	0	0	0	0	0	0	0	1.4	8.2
3-Feb-06	0	0	0	0	0	0	0	0	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0.3	3.0
4-Feb-06	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0.3	3.3
5-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0.1	0.7
6-Feb-06	0	0	0	0	0	0	0	7	0	16	31	33	33	12	13	8	7	16	0	0	0	0	0	4	7.6	33.5
7-Feb-06	3	1	0	0	0	5	5	4	4	12	22	14	15	19	18	18	20	19	10	5	6	0	0	0	8.4	22.2
8-Feb-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	0.0	0.0
9-Feb-06	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0.3	3.0
10-Feb-06	0	0	0	0	0	0	0	0	0	2	3	2	1	1	1	1	1	0	0	1	0	0	0	0	0.5	2.6
11-Feb-06	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	2	1	1	0	0	0	0	0	0	0.5	2.0
12-Feb-06	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	25	25	27	31	38	34	15	C	C	C	C	C	C	C	1	1	1	1	0	0	N	38.2
15-Feb-06	0	0	0	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.0
16-Feb-06	0	0	0	A	0	0	3	1	1	2	36	7	4	1	1	1	1	1	1	0	0	0	0	5	2.8	35.6
17-Feb-06	3	0	0	A	0	0	0	0	0	1	2	6	12	7	5	9	9	2	0	0	0	0	0	0	2.5	12.1
18-Feb-06	0	0	0	A	0	0	0	1	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.4	2.3
19-Feb-06	0	0	0	A	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.3
20-Feb-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	0.5
21-Feb-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.1	0.6
22-Feb-06	0	0	0	0	0	0	0	1	2	1	2	3	2	2	2	2	3	3	0	0	0	0	0	0	1.0	3.5
23-Feb-06	0	0	0	0	3	0	1	0	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0.5	2.7
24-Feb-06	0	0	0	0	0	0	0	0	3	2	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0.7	3.7
25-Feb-06	0	0	0	0	0	1	1	0	5	2	6	13	9	7	1	2	2	1	0	0	0	0	0	0	2.1	12.6
26-Feb-06	0	0	0	1	0	0	1	2	1	4	11	9	4	3	3	3	3	2	0	0	0	0	0	0	1.9	11.5
27-Feb-06	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	2	2	2	1	1	0	0	0	0	0.7	2.2
28-Feb-06	0	0	0	1	1	0	5	10	36	34	10	22	23	5	5	3	1	1	0	0	0	0	0	0	6.5	36.4
Hourly Avg	0.2	0.0	0.2	0.4	1.1	1.4	2.6	3.6	5.0	5.1	6.7	5.6	5.1	3.4	3.0	2.8	2.6	2.3	0.6	0.3	0.3	0.1	0.0	0.4		
Hourly Max	3.3	0.9	4.0	5.4	24.6	25.0	27.0	36.2	38.2	34.4	35.6	33.5	33.3	19.0	18.1	18.3	20.1	18.7	10.2	5.0	6.3	0.6	0.4	5.2		

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	111.7	ppb	28-Feb	7:00 8:00
Maximum 24-hr Value:	22.3	ppb	1-Feb	

AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	72.9	30.0	3.0	0.7	0.0	0.0	0.0	5.6 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-Feb-06	0	2	37	22	14	34	72	97	73	29	29	18	15	13	18	13	24	16	8	1	0	1	0	0	22.3	97.2
2-Feb-06	0	0	0	0	0	0	0	0	0	3	6	4	10	13	9	9	6	1	0	1	0	0	0	0	2.6	12.9
3-Feb-06	0	0	0	0	0	0	0	0	0	1	3	4	4	1	1	1	1	0	0	0	0	0	0	0	0.7	4.0
4-Feb-06	0	0	0	0	0	0	0	0	0	0	0	14	1	2	2	1	0	0	0	0	0	0	0	0	0.9	13.6
5-Feb-06	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	4	7	0	0	0.8	7.0
6-Feb-06	0	0	0	0	0	0	2	40	10	69	57	66	63	17	18	14	12	44	8	11	2	4	5	50	20.6	69.5
7-Feb-06	11	6	1	1	1	34	15	6	7	36	37	21	18	25	21	26	39	36	19	14	33	2	0	0	17.1	39.4
8-Feb-06	0	0	0	0	0	0	0	0	2	1	1	1	0	0	1	1	1	0	1	0	0	0	0	0	0.4	1.9
9-Feb-06	0	0	0	0	0	0	0	0	0	1	12	5	2	1	1	0	0	0	0	0	1	0	0	10	1.4	12.0
10-Feb-06	0	0	0	0	0	0	0	1	3	4	6	4	2	2	6	4	3	0	0	16	0	0	0	0	2.2	15.8
11-Feb-06	0	0	0	0	1	0	0	0	0	2	3	3	4	3	2	3	2	3	2	1	0	2	0	0	1.3	3.9
12-Feb-06	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	25	26	29	35	42	42	23	C	C	C	C	C	C	C	2	1	1	1	0	0	N	42.0
15-Feb-06	0	0	0	A	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	0	0	0	0	0.4	1.4
16-Feb-06	0	0	0	A	0	4	36	14	11	6	98	11	7	2	1	1	2	3	5	0	0	0	0	45	10.7	98.1
17-Feb-06	14	0	1	A	0	0	2	0	1	3	4	18	19	12	10	13	14	7	0	0	9	0	0	0	5.5	18.9
18-Feb-06	0	0	0	A	0	0	0	7	7	11	3	1	1	1	5	0	2	3	1	0	0	0	0	0	1.9	10.6
19-Feb-06	0	0	0	A	0	0	0	0	0	3	3	1	2	1	1	1	1	1	0	0	0	0	0	0	0.6	3.0
20-Feb-06	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.4	1.0
21-Feb-06	0	0	0	1	0	0	0	0	1	0	1	1	1	1	0	0	3	2	2	0	0	0	0	0	0.6	3.0
22-Feb-06	0	0	0	0	0	1	0	86	38	2	5	16	3	3	7	5	10	8	2	0	0	0	0	0	7.8	86.0
23-Feb-06	0	0	0	0	26	0	5	1	3	2	1	2	2	3	1	2	2	0	0	0	0	0	0	0	2.1	25.6
24-Feb-06	0	0	0	1	0	0	0	1	11	4	5	3	3	2	2	2	2	1	0	0	0	0	0	0	1.6	10.6
25-Feb-06	0	0	7	0	0	24	5	4	15	5	13	21	10	10	2	3	3	3	1	0	0	0	0	0	5.3	23.5
26-Feb-06	0	0	0	16	0	1	17	8	2	11	27	21	5	4	3	5	6	4	1	1	1	0	0	0	5.5	27.1
27-Feb-06	0	0	0	0	0	0	1	0	1	2	2	3	3	3	2	3	2	3	2	2	0	0	0	1	1.3	3.0
28-Feb-06	0	0	0	23	6	0	29	112	109	97	18	38	32	14	6	6	4	3	0	0	0	0	0	0	20.7	111.7
Hourly Avg	1.0	0.4	1.8	3.1	2.7	4.6	8.2	15.9	12.9	12.9	13.8	11.2	8.4	5.4	4.9	4.6	5.7	5.6	2.1	1.9	2.0	0.7	0.2	4.1		
Hourly Max	14.4	6.0	36.7	23.4	25.6	33.7	72.0	111.7	109.0	96.6	98.1	66.3	63.4	25.5	21.0	25.9	39.4	44.3	19.4	15.8	32.8	7.0	4.7	50.1		

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

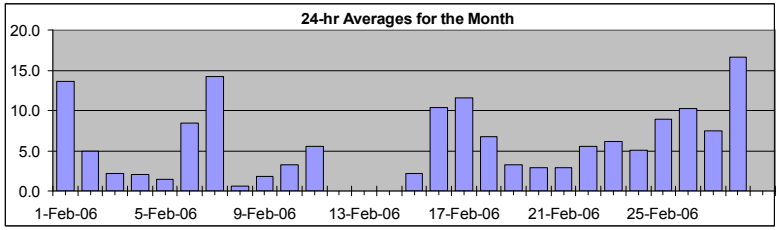
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2006 to March 1, 2006

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



Summary

Maximum 1-hr Average:	60.4	ppb	28-Feb	8:00 9:00
Maximum 24-hr Average:	16.7	ppb	28-Feb	

AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	35.6	23.8	8.1	4.1	1.4	0.0	0.0	6.5 ppb	4.1 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-Feb-06	0	0	6	10	7	12	34	49	49	23	22	9	4	10	15	14	22	22	12	5	0	0	0	0	13.6	48.9
2-Feb-06	0	0	0	0	0	1	1	2	6	5	7	6	10	16	15	14	11	9	1	6	5	2	1	0	4.9	16.0
3-Feb-06	0	2	1	0	0	0	1	2	6	5	6	6	3	0	0	0	0	2	5	7	2	0	2	3	2.2	7.3
4-Feb-06	3	1	3	1	1	0	1	1	1	1	1	11	2	2	3	3	2	2	3	2	2	2	1	1	2.1	11.2
5-Feb-06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	14	8	3		1.5	14.0
6-Feb-06	0	0	0	0	0	0	1	14	2	19	35	34	34	7	8	2	5	27	4	2	1	0	0	7	8.5	34.8
7-Feb-06	6	0	0	0	0	0	4	7	7	14	22	13	15	19	22	27	32	36	29	26	28	15	11	10	14.3	35.6
8-Feb-06	9	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	9.4
9-Feb-06	0	0	0	0	1	0	2	4	2	2	8	4	0	0	0	0	0	0	0	0	6	10	3	3	1.9	9.5
10-Feb-06	1	1	1	0	0	0	2	4	12	10	5	2	0	1	1	2	4	3	5	9	6	4	3	1	3.3	12.3
11-Feb-06	0	0	0	0	1	1	1	3	6	9	7	5	7	7	5	7	8	16	14	10	8	7	5	8	5.6	16.5
12-Feb-06	6	4	2	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	5.8
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	25	25	26	31	38	34	15	C	C	C	C	C	C	C	13	13	3	4	4	2	N	38.1
15-Feb-06	1	3	8	A	3	1	3	7	5	4	4	3	2	0	0	0	0	0	0	1	1	1	0	2	2.2	8.3
16-Feb-06	2	3	0	A	2	6	17	10	12	8	56	13	7	2	2	2	4	11	26	10	7	4	4	28	10.4	55.7
17-Feb-06	28	13	11	A	7	7	5	5	6	6	6	12	22	14	12	20	25	15	10	9	9	4	8	11	11.5	28.2
18-Feb-06	5	6	10	A	3	5	4	18	25	13	4	2	2	2	2	1	3	10	14	5	7	6	5	4	6.8	24.7
19-Feb-06	5	4	4	A	2	2	5	5	4	9	5	2	2	2	1	1	2	2	3	3	3	5	2	3	3.3	8.8
20-Feb-06	1	1	1	1	1	1	5	3	3	4	2	2	2	1	1	2	3	2	4	7	6	8	3	3	2.9	7.7
21-Feb-06	2	1	5	4	2	3	4	6	5	2	2	2	1	1	1	3	6	7	4	3	2	1	1	1	2.9	7.3
22-Feb-06	1	1	1	1	2	3	3	4	9	8	8	7	5	5	6	6	11	20	13	6	6	5	2	1	5.6	19.8
23-Feb-06	2	3	3	9	21	6	15	19	17	7	4	4	3	2	2	4	4	3	3	2	3	6	3	4	6.2	20.6
24-Feb-06	3	4	3	3	7	8	7	8	16	6	9	5	3	4	3	3	3	4	5	3	2	3	4	5	5.1	15.8
25-Feb-06	6	5	5	5	5	12	21	12	23	6	12	22	16	14	4	6	7	7	5	3	2	2	3	11	8.9	22.8
26-Feb-06	9	9	10	16	7	6	12	19	9	11	22	17	8	7	6	8	9	11	11	9	10	5	7	6	10.3	21.5
27-Feb-06	6	6	6	6	6	6	7	6	5	5	6	6	5	5	5	8	6	9	14	18	8	11	9	9	7.5	18.2
28-Feb-06	11	11	12	17	24	15	24	27	60	50	17	34	35	10	11	8	6	5	3	4	4	4	4	3	16.7	60.4
Hourly Avg	4.1	3.2	3.6	3.6	4.7	4.5	7.9	10.2	12.6	10.1	11.0	8.9	7.6	5.3	5.1	5.6	7.0	9.0	7.7	6.4	5.4	4.7	3.5	5.0		
Hourly Max	28.2	13.0	12.4	16.7	25.1	25.2	34.4	48.8	60.4	50.3	55.7	34.2	35.5	19.4	21.8	26.5	32.4	35.6	29.1	26.5	27.8	14.7	11.3	28.4		

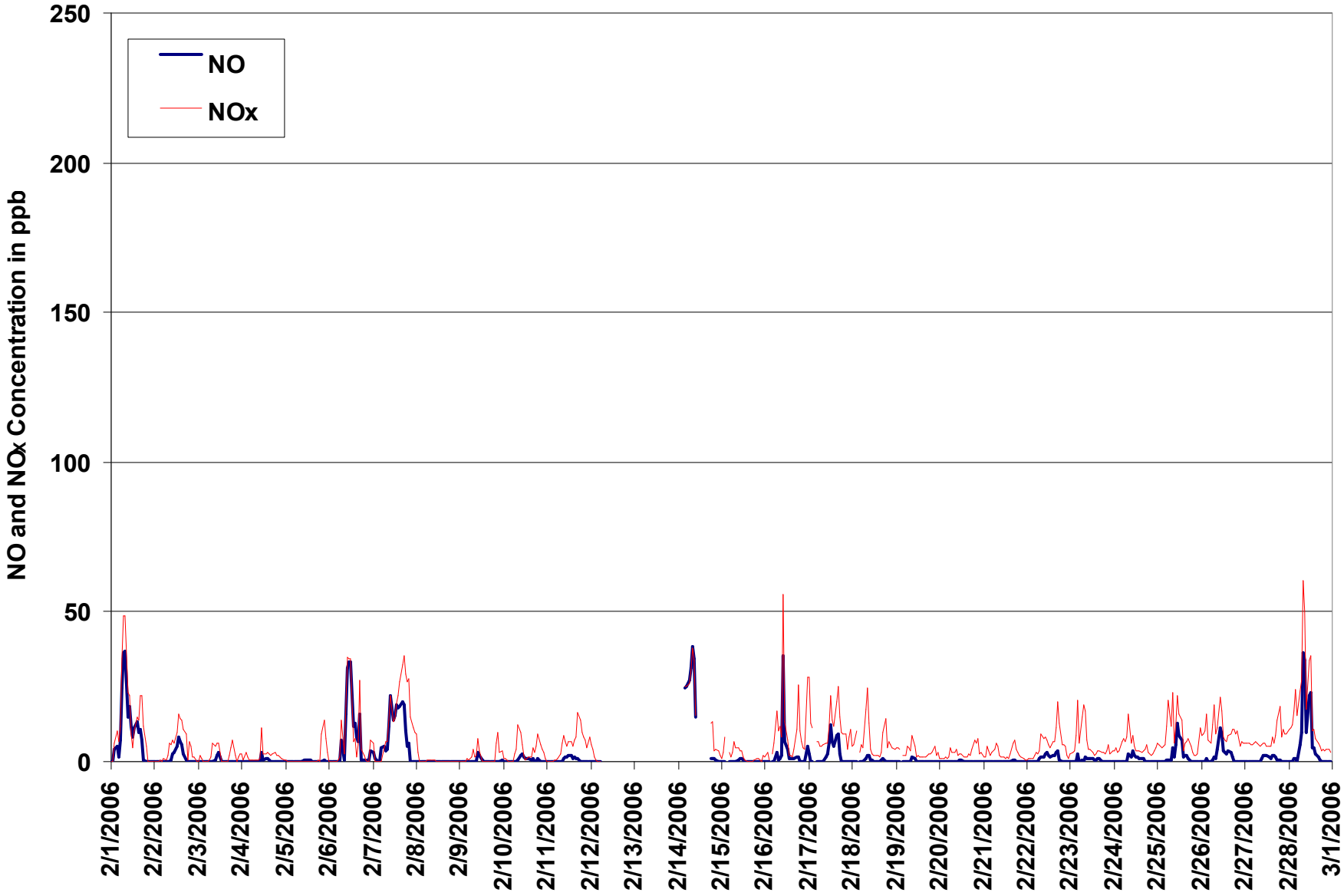


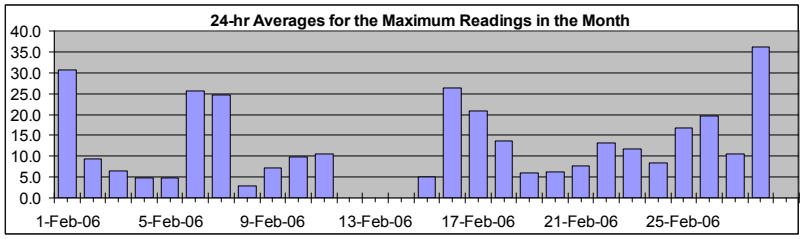
Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	154.8	ppb	28-Feb	7:00 8:00
Maximum 24-hr Value:	36.1	ppb	28-Feb	

AIC Time:	5 hrs	Operational Time:	614 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	93.2%

Percentile	99	95	75	50	25	5	1	Average	Median
	87.5	47.6	16.2	7.2	3.5	0.8	0.0	13.6 ppb	7.2 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-Feb-06	0	4	49	28	25	46	86	113	85	39	37	17	14	13	22	17	42	33	25	16	6	4	2	9	30.6	112.9
2-Feb-06	0	0	4	1	1	2	2	7	15	10	12	9	19	23	19	20	17	12	9	15	13	5	4	4	9.4	23.3
3-Feb-06	2	4	2	1	1	3	2	6	11	7	9	10	7	1	1	2	3	6	22	23	9	10	8	6	6.5	22.7
4-Feb-06	5	2	7	5	2	2	2	2	2	3	2	36	6	5	6	4	3	4	6	4	3	4	2	1	4.7	36.1
5-Feb-06	2	1	1	1	1	0	4	1	1	0	2	2	2	0	0	0	0	0	6	6	28	35	12	8	4.7	34.6
6-Feb-06	1	0	1	1	1	2	9	57	17	88	66	71	70	14	15	10	14	59	19	22	6	7	10	57	25.7	87.7
7-Feb-06	16	9	1	0	0	33	16	10	11	39	38	23	18	27	26	34	54	53	37	38	53	24	18	15	24.7	53.6
8-Feb-06	15	7	4	2	1	2	2	2	8	3	3	3	1	1	1	1	3	2	5	2	1	2	0	2	3.0	15.3
9-Feb-06	2	0	1	3	2	3	5	8	5	3	28	12	5	0	0	0	1	0	0	3	26	20	7	37	7.2	37.1
10-Feb-06	4	2	1	1	1	1	4	10	21	19	13	6	3	3	12	14	10	7	21	53	12	9	5	4	9.8	53.0
11-Feb-06	1	1	3	0	12	2	3	6	8	11	13	10	10	8	6	13	12	25	27	16	15	17	9	27	10.6	27.0
12-Feb-06	9	5	7	5	2	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	8.7
13-Feb-06	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
14-Feb-06	P	P	P	P	27	26	28	33	41	42	23	C	C	C	C	C	C	C	24	23	7	6	6	3	N	42.2
15-Feb-06	3	16	18	A	6	2	6	9	7	7	5	6	3	1	1	1	4	2	3	5	3	2	2	5	5.0	17.8
16-Feb-06	5	5	3	A	6	32	78	53	30	22	133	21	14	3	3	2	7	21	36	19	8	6	4	95	26.4	133.0
17-Feb-06	61	16	13	A	7	7	18	12	15	13	10	31	32	25	20	30	31	25	13	14	48	8	12	16	20.9	61.3
18-Feb-06	11	10	15	A	4	7	6	42	42	37	14	5	3	4	15	2	11	22	25	7	8	7	6	5	13.6	42.4
19-Feb-06	8	5	5	A	3	3	9	10	8	16	10	3	6	3	4	5	4	6	6	5	6	8	2	3	5.9	16.4
20-Feb-06	2	1	1	1	3	3	10	6	6	7	5	5	5	4	4	4	8	6	17	11	10	16	7	5	6.2	16.8
21-Feb-06	3	2	23	8	2	5	9	16	15	4	4	4	4	5	3	5	16	15	25	6	6	2	2	1	7.7	24.6
22-Feb-06	1	1	1	3	3	6	3	28	36	11	14	32	9	7	18	14	32	32	24	7	18	11	3	3	13.2	36.3
23-Feb-06	4	4	11	14	66	11	38	27	21	15	5	6	5	5	4	6	8	4	4	3	6	9	4	5	11.8	65.5
24-Feb-06	5	13	4	5	10	11	8	12	37	10	12	6	6	6	4	5	5	6	9	6	4	4	4	7	8.3	36.8
25-Feb-06	11	7	6	6	10	63	34	33	47	18	24	35	18	17	6	7	8	12	9	5	2	2	3	17	16.7	63.1
26-Feb-06	16	19	16	52	12	11	51	40	13	23	43	34	11	8	8	12	15	16	17	13	18	8	8	7	19.6	52.4
27-Feb-06	7	6	7	6	7	7	9	7	6	6	7	6	6	7	7	12	8	14	25	32	11	15	14	20	10.4	31.9
28-Feb-06	14	12	15	55	33	22	58	155	146	125	28	56	47	23	13	12	11	10	4	6	6	9	5	3	36.1	154.8
Hourly Avg	8.0	5.9	8.4	9.4	9.2	11.6	19.2	27.2	25.2	22.3	21.6	18.0	12.9	8.5	8.7	9.3	13.0	15.7	16.0	13.8	12.8	9.5	6.2	14.1		
Hourly Max	61.3	18.9	49.3	55.2	65.5	63.1	86.3	154.8	146.4	125.0	133.0	71.1	70.1	26.8	26.3	34.1	53.6	58.8	37.0	53.0	53.4	34.6	17.5	94.8		

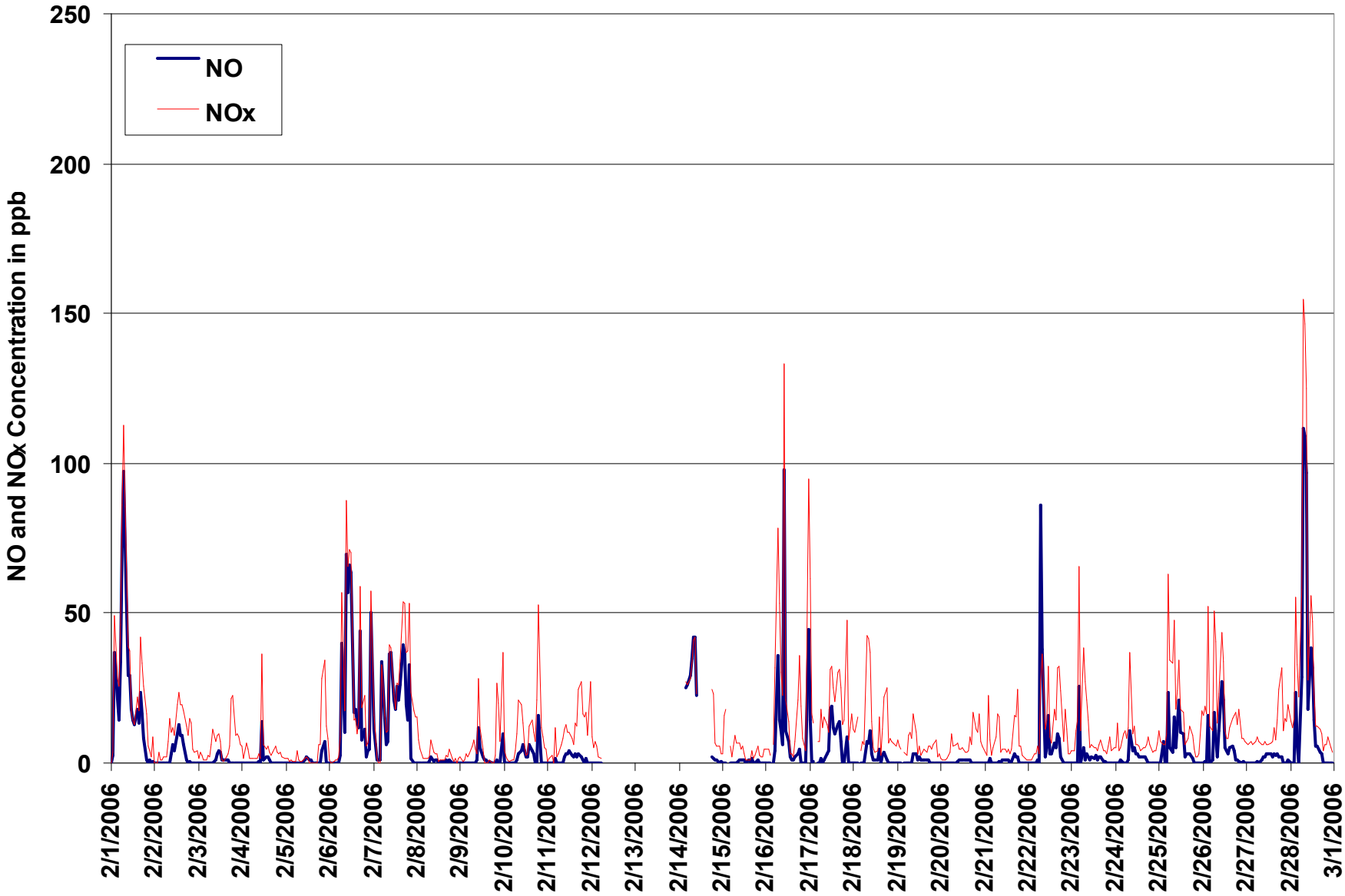


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

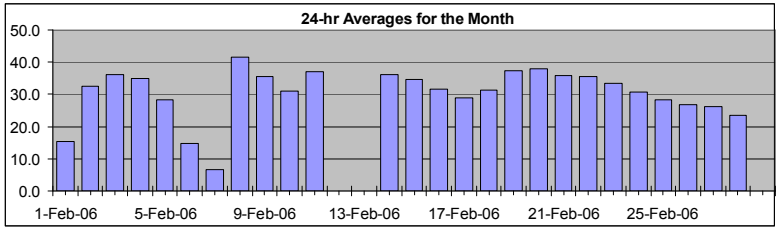
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 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:	45.3	ppb	12-Feb	5:00 6:00
Maximum 24-hr Average:	41.7	ppb	8-Feb	



AIC Time:	0 hrs	Operational Time:	638 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	95.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	43.8	42.1	37.4	33.1	26.7	10.1	2.6	30.7 ppb	33.1 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-Feb-06	22	21	11	5	8	8	4	3	2	6	11	18	22	18	18	17	12	6	11	18	28	32	35	36	15.5	35.9
2-Feb-06	38	39	35	37	36	35	34	32	27	30	31	33	30	27	29	27	25	27	39	32	32	36	35	38	32.7	39.3
3-Feb-06	38	36	37	37	37	37	37	35	28	29	29	30	35	42	43	42	41	37	35	31	38	40	38	36	36.2	42.6
4-Feb-06	38	40	35	37	42	42	41	41	40	40	38	32	37	37	37	36	36	35	32	27	24	24	25	26	35.0	41.6
5-Feb-06	26	26	27	27	27	27	27	27	28	29	30	31	32	34	35	36	35	34	31	32	20	15	19	24	28.3	35.5
6-Feb-06	27	25	24	20	18	16	15	8	12	13	10	12	14	21	20	20	18	6	10	11	11	10	11	4	14.8	27.3
7-Feb-06	3	7	6	4	6	6	3	1	2	5	7	10	11	12	10	8	6	3	1	2	2	10	15	20	6.6	19.7
8-Feb-06	25	37	42	45	44	43	43	43	42	42	42	43	43	43	44	44	44	43	43	42	41	41	41	40	41.7	44.6
9-Feb-06	40	40	39	38	37	37	35	34	35	35	29	32	39	40	40	40	38	38	38	37	27	23	30	29	35.4	40.3
10-Feb-06	29	28	28	29	30	29	25	23	16	20	26	29	33	33	34	38	37	39	37	34	35	35	37	39	31.0	39.2
11-Feb-06	42	42	42	43	43	44	42	40	35	33	35	39	38	39	40	38	33	26	27	32	32	34	37	33	37.0	43.6
12-Feb-06	33	34	43	45	45	45	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	45.3
13-Feb-06	P	P	P	P	P	P	P	P	P	P	42	30	42	41	42	42	42	41	41	41	40	40	39	37	N	42.0
14-Feb-06	38	38	36	39	38	38	36	37	36	38	39	34	38	38	38	C	C	C	C	C	C	27	31	34	36.2	39.3
15-Feb-06	35	33	27	31	32	34	32	28	31	32	33	33	34	35	35	36	37	37	38	39	39	40	40	38	34.5	39.8
16-Feb-06	38	35	38	34	35	33	25	27	26	31	19	31	35	39	39	39	37	30	15	29	32	35	35	19	31.5	39.3
17-Feb-06	14	22	24	25	28	29	31	31	31	31	33	32	26	32	33	28	23	27	30	31	33	38	33	30	28.9	37.6
18-Feb-06	34	34	29	31	34	32	33	21	15	25	34	37	37	37	37	38	37	30	24	33	31	31	31	31	31.4	38.3
19-Feb-06	31	31	32	36	37	37	35	35	38	35	39	41	41	42	43	43	41	39	38	37	37	35	37	37	37.4	43.1
20-Feb-06	40	40	40	40	40	39	36	38	38	37	39	39	40	41	42	43	41	40	37	33	34	28	34	33	38.1	42.7
21-Feb-06	34	34	32	32	35	34	33	28	30	36	37	38	40	40	41	41	37	34	38	35	36	37	37	39	35.8	41.4
22-Feb-06	39	39	39	38	34	33	35	35	31	33	34	35	36	38	38	38	34	27	29	35	35	36	40	40	35.5	40.3
23-Feb-06	38	37	37	31	22	31	23	15	20	33	37	38	38	39	39	37	36	37	37	37	36	33	35	34	33.4	39.4
24-Feb-06	34	33	34	33	28	26	27	24	20	28	28	30	31	32	33	34	34	33	31	33	35	35	34	32	30.9	34.8
25-Feb-06	30	30	30	30	28	23	14	22	16	30	28	23	26	28	35	32	31	30	31	32	35	34	33	24	28.2	34.8
26-Feb-06	26	25	24	19	26	27	22	14	25	25	23	26	31	33	33	32	32	32	28	29	26	30	26	26	26.7	33.4
27-Feb-06	26	25	25	26	26	26	25	27	28	29	29	30	31	32	32	31	29	27	21	16	24	21	23	22	26.3	32.2
28-Feb-06	20	19	17	14	5	13	11	14	9	11	20	19	21	29	30	33	35	35	37	35	35	33	33	34	23.4	36.6
Hourly Avg	31.0	31.4	30.9	30.6	30.4	30.5	27.9	26.3	25.5	28.3	29.6	30.6	32.7	34.2	34.8	34.3	32.7	30.5	29.9	30.5	30.7	30.9	32.0	31.0		
Hourly Max	42.2	41.7	42.9	45.2	45.0	45.3	43.0	42.8	42.5	42.2	42.1	42.6	43.1	43.1	44.0	44.4	43.6	42.8	42.7	42.4	41.4	40.9	41.2	40.4		

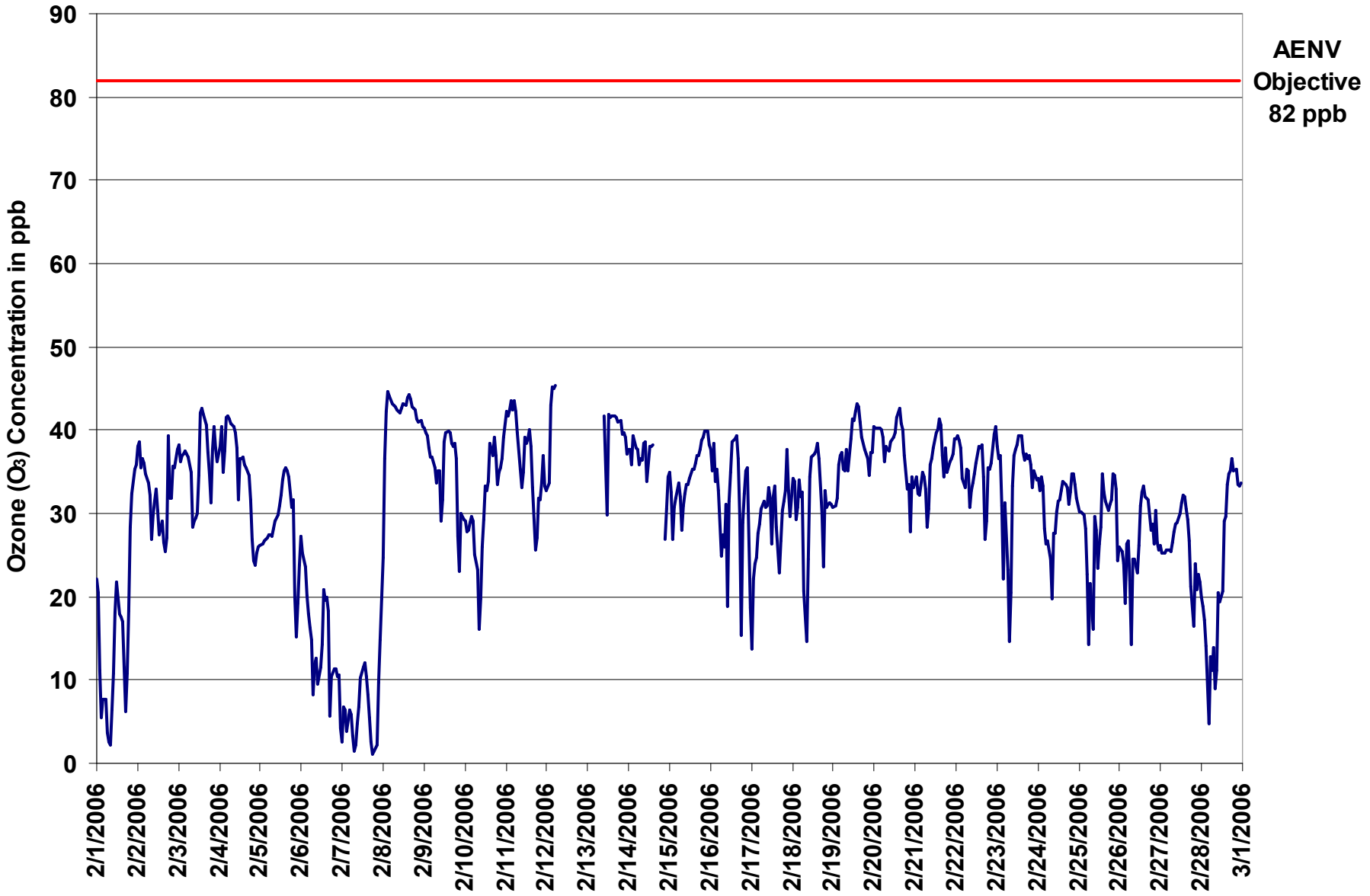


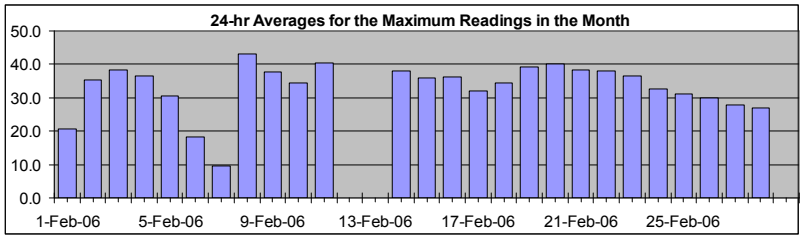
Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Value:	47.0	ppb	12-Feb	2:00 3:00
Maximum 24-hr Value:	43.1	ppb	8-Feb	

AIC Time:	0 hrs	Operational Time:	638 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	95.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	45.1	43.3	39.3	35.7	29.6	14.3	5.6	33.4 ppb	35.7 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-Feb-06	24	26	18	14	16	17	14	8	6	8	15	24	26	21	22	20	15	9	16	31	34	37	38	39	20.7	39.0
2-Feb-06	39	40	38	38	37	36	34	34	31	32	33	35	36	30	31	29	28	33	42	37	37	37	38	39	35.3	42.4
3-Feb-06	39	38	38	38	38	38	38	36	31	31	31	33	41	43	43	43	42	40	40	36	41	43	43	39	38.4	43.3
4-Feb-06	40	41	38	40	43	43	42	41	41	41	39	38	38	38	39	37	37	36	35	29	26	25	27	27	36.7	43.5
5-Feb-06	27	27	27	28	27	29	29	28	29	30	31	33	33	35	36	36	36	35	35	34	27	27	26	27	30.5	35.8
6-Feb-06	28	27	26	22	18	18	15	15	15	17	14	15	19	24	21	22	22	12	14	16	16	13	14	13	18.3	28.3
7-Feb-06	7	10	11	5	10	10	7	3	4	8	13	12	13	14	11	10	8	5	2	3	5	16	19	24	9.5	24.4
8-Feb-06	33	42	45	45	45	44	44	43	43	43	43	44	44	44	45	45	45	44	44	43	43	42	42	41	43.1	45.3
9-Feb-06	41	40	40	39	38	38	37	36	36	36	36	39	40	41	41	41	39	39	39	39	35	29	33	35	37.9	41.2
10-Feb-06	31	29	29	29	30	30	29	28	25	26	32	34	34	34	37	41	41	42	43	43	39	38	39	42	34.4	43.0
11-Feb-06	43	43	45	45	44	44	44	43	38	35	40	42	42	40	41	43	36	31	34	37	36	35	42	45	40.5	44.8
12-Feb-06	35	41	47	46	47	47	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	47.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	43	43	43	42	43	43	43	43	42	43	41	41	41	39	N	43.0
14-Feb-06	39	38	41	41	39	39	37	37	39	39	39	39	39	39	39	C	C	C	C	C	C	29	35	35	37.9	40.8
15-Feb-06	36	35	30	33	34	34	34	30	32	34	34	35	35	36	36	37	38	38	38	40	40	41	41	40	35.9	41.2
16-Feb-06	40	37	40	40	37	37	38	35	32	35	33	34	39	40	40	40	39	36	27	31	35	36	36	36	36.2	40.2
17-Feb-06	25	24	24	26	29	30	32	33	33	33	35	35	30	35	37	33	27	32	32	36	39	40	36	33	32.0	39.9
18-Feb-06	36	37	33	34	36	33	34	33	25	30	37	38	38	38	39	39	39	34	32	34	32	32	32	32	34.4	39.3
19-Feb-06	31	32	33	40	38	39	39	38	40	40	42	42	42	43	45	44	43	41	39	39	38	37	37	37	39.2	44.6
20-Feb-06	41	40	40	40	41	41	39	39	39	39	40	40	41	42	44	44	43	43	40	38	37	37	37	37	40.1	43.9
21-Feb-06	37	36	37	35	36	36	36	32	35	37	38	40	41	41	43	43	41	39	42	37	39	38	39	40	38.2	43.0
22-Feb-06	40	40	39	39	36	35	36	36	35	34	37	38	39	39	41	41	41	31	35	38	42	39	41	41	37.9	41.7
23-Feb-06	40	38	39	38	33	35	36	24	27	37	38	39	39	40	41	40	38	38	37	37	37	36	36	36	36.6	40.6
24-Feb-06	36	36	35	34	33	28	28	27	28	28	30	31	32	32	34	36	35	35	33	34	36	36	34	33	32.6	36.3
25-Feb-06	33	32	31	31	30	28	23	27	23	32	32	26	28	34	37	33	32	33	33	34	36	35	34	32	31.2	36.6
26-Feb-06	29	29	28	27	28	28	30	24	27	28	27	31	33	33	34	35	34	35	31	30	32	33	28	26	30.0	34.7
27-Feb-06	27	26	26	26	26	26	27	27	29	29	30	31	32	33	32	32	30	29	26	25	27	26	25	25	28.0	32.7
28-Feb-06	21	20	19	17	10	19	19	24	27	17	23	25	24	30	32	35	35	37	37	36	36	35	34	34	26.9	37.3
Hourly Avg	33.3	33.5	33.2	33.0	32.6	32.6	31.6	30.1	29.6	30.8	32.7	33.8	34.9	35.7	36.4	36.2	34.8	33.4	33.4	33.9	34.1	33.7	34.3	34.3		
Hourly Max	43.3	43.3	47.0	46.3	47.0	46.8	44.3	43.3	43.3	43.3	43.0	43.7	43.7	44.2	44.7	45.2	44.9	43.7	43.7	43.1	42.6	42.5	43.0	44.8		

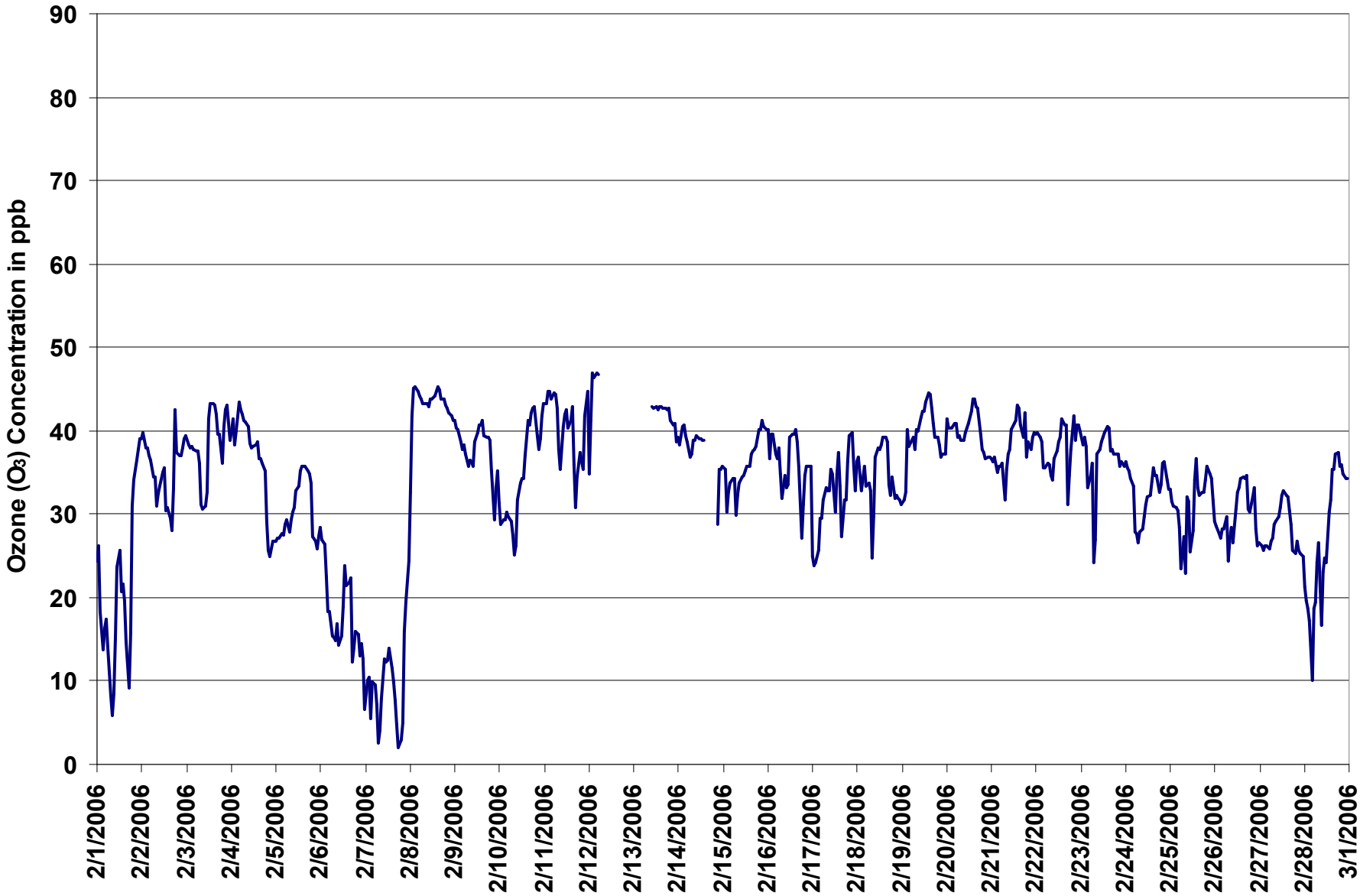
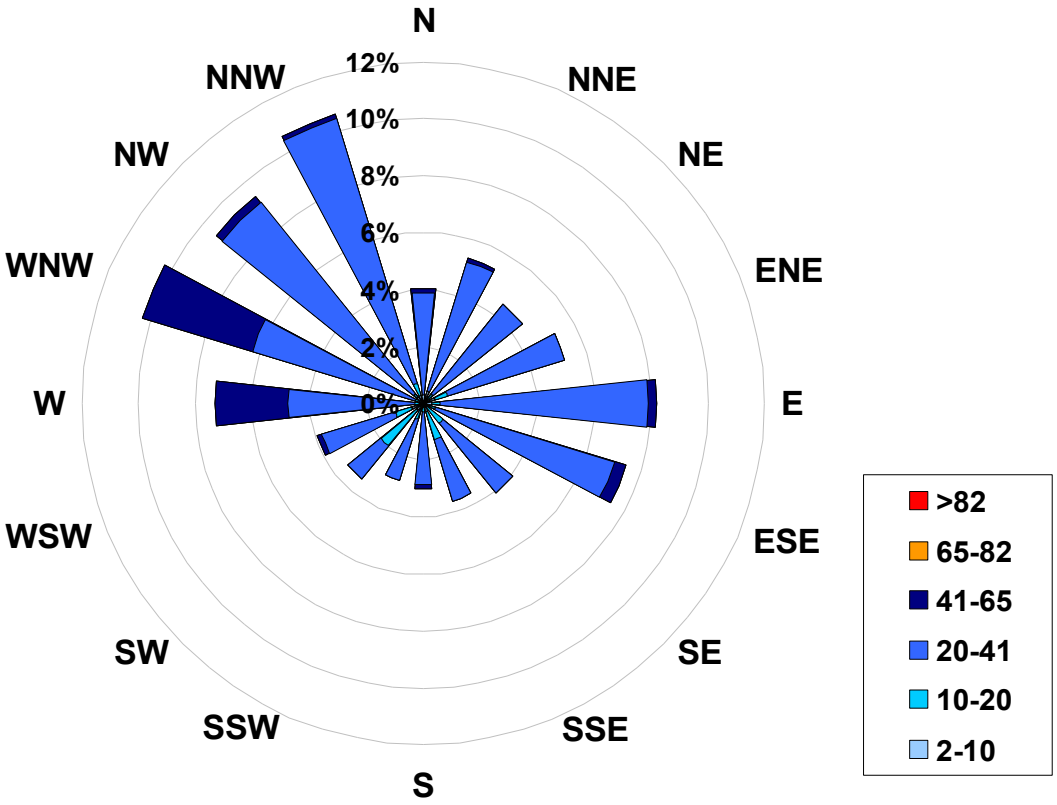


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	2%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	32
10	to	20	56
20	to	41	494
41	to	65	56
65	to	82	0
	>	82	0
Total Non-Zero Values			638

PASZA – Beaverlodge - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

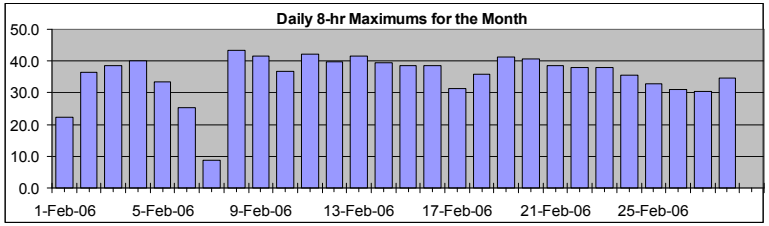
Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: February 1, 2006 to March 1, 2006

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	43.3	ppb	8-Feb	18:00 19:00



Percentile	99	95	75	50	25	5	1
	43.0	40.5	36.9	32.5	27.2	10.4	5.2

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	Daily Maximum
1-Feb-06	16	17	16	15	14	13	12	10	8	6	6	7	9	10	12	14	15	15	15	15	16	18	20	22	22.4
2-Feb-06	26	30	33	35	36	36	36	36	34	33	33	32	32	31	30	29	29	29	30	30	30	31	32	33	36.3
3-Feb-06	35	36	35	36	37	37	37	37	36	35	34	33	33	33	34	35	36	37	38	38	39	38	38	37	38.6
4-Feb-06	37	37	37	38	38	38	39	39	40	40	40	39	39	38	38	37	36	36	35	34	33	31	30	29	40.1
5-Feb-06	27	26	26	26	26	26	27	27	27	28	28	28	29	30	31	32	33	33	33	34	32	30	28	26	33.6
6-Feb-06	25	24	23	22	22	22	21	19	17	16	14	13	12	13	14	15	16	15	15	15	15	13	12	10	25.3
7-Feb-06	8	8	8	7	6	6	5	5	4	4	4	5	6	6	7	8	9	8	8	7	5	5	6	7	8.6
8-Feb-06	10	14	19	24	30	34	37	40	42	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	43.3
9-Feb-06	42	41	41	40	40	39	38	37	37	36	35	34	34	35	35	36	37	37	38	39	37	35	34	33	41.5
10-Feb-06	31	30	29	28	28	29	28	28	26	25	25	25	25	26	27	29	31	34	35	36	36	36	36	37	36.6
11-Feb-06	37	38	38	40	40	41	42	42	41	40	39	39	38	38	37	37	37	36	35	34	33	33	32	32	42.2
12-Feb-06	32	33	35	36	38	39	40	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	39.7
13-Feb-06	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	40	40	40	42	41	41	41	40	41.5
14-Feb-06	40	39	38	38	38	38	37	37	37	37	38	37	37	37	37	37	N	N	N	N	N	N	N	N	39.6
15-Feb-06	N	N	N	31	31	32	32	31	31	31	32	32	32	32	33	34	35	35	36	36	37	38	38	38	38.4
16-Feb-06	38	38	38	38	37	36	35	33	32	31	29	28	28	29	31	32	34	34	33	33	32	32	32	29	38.5
17-Feb-06	26	25	26	26	25	24	24	25	28	29	30	31	30	31	31	31	30	29	29	29	30	30	30	31	31.2
18-Feb-06	32	33	33	33	33	32	32	31	28	27	28	29	29	30	30	33	35	36	35	34	33	33	32	31	35.9
19-Feb-06	30	30	31	32	32	33	34	34	35	36	37	37	38	38	39	40	41	41	41	41	40	39	38	38	41.3
20-Feb-06	38	38	38	38	39	39	39	39	39	39	38	38	38	39	39	40	40	41	40	40	39	37	36	35	40.6
21-Feb-06	34	33	33	33	33	34	34	33	33	33	33	34	35	35	36	38	39	38	39	38	38	37	37	37	38.6
22-Feb-06	37	38	38	38	38	37	37	37	36	35	34	34	34	35	35	35	36	35	34	34	34	34	34	35	38.0
23-Feb-06	35	36	37	37	35	34	32	29	27	27	27	27	29	30	32	35	37	38	38	38	37	37	36	36	37.8
24-Feb-06	35	35	35	34	33	32	31	30	28	28	27	26	27	27	28	29	31	32	32	33	33	33	33	33	35.4
25-Feb-06	33	32	32	32	31	30	27	26	24	24	24	23	23	23	26	27	29	29	30	31	32	33	32	31	32.7
26-Feb-06	31	30	29	28	27	26	24	23	23	23	23	23	24	25	26	28	29	30	31	31	31	30	29	29	31.1
27-Feb-06	28	27	27	26	26	26	26	26	26	26	27	27	28	29	30	30	30	30	29	27	27	25	24	23	30.4
28-Feb-06	22	21	20	20	18	17	15	14	13	12	12	13	15	17	19	22	25	28	30	32	34	34	35	35	34.6
Hourly Max	41.5	41.1	40.7	40.1	40.5	41.5	42.2	42.2	42.4	43.1	43.0	42.8	42.7	42.7	42.8	43.0	43.1	43.2	43.3	43.2	43.0	42.8	42.4	41.9	

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

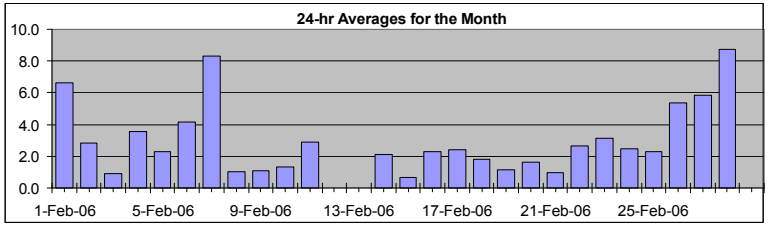
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 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:	16.6	µg/m³	28-Feb	9:00 10:00
Maximum 24-hr Value:	8.7	µg/m³	28-Feb	

AIC Time:	0 hrs	Operational Time:	639 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	95.4%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	11.7	8.8	4.4	2.0	1.0	0.0	0.0	3.0 3 µg/m˜	2.4 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-Feb-06	1	2	7	7	7	6	8	10	9	12	8	8	6	6	8	10	11	11	14	7	0	0	0	0	6.6	14.0
2-Feb-06	0	0	1	1	0	1	0	1	3	5	4	7	5	8	9	7	5	3	0	0	0	2	2	2	2.8	9.1
3-Feb-06	0	1	3	3	1	0	0	3	1	2	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0.9	3.2
4-Feb-06	D	0	0	4	0	0	1	0	2	2	4	6	4	4	7	5	6	5	6	6	5	5	4	6	3.5	6.6
5-Feb-06	4	4	3	4	4	2	2	2	2	1	2	2	1	2	3	1	2	3	1	2	2	2	2	1	2.3	4.3
6-Feb-06	2	1	1	1	1	1	1	1	1	4	10	7	7	3	3	4	4	7	3	4	7	10	7	9	4.2	10.2
7-Feb-06	12	7	6	8	8	9	9	8	10	8	7	8	7	9	9	9	9	10	10	9	8	7	6	5	8.3	11.9
8-Feb-06	5	3	0	D	0	0	0	0	1	0	1	0	1	0	0	0	0	1	2	1	2	1	2	2	1.0	5.4
9-Feb-06	1	1	1	1	1	1	1	1	1	1	2	2	0	0	0	0	0	0	1	1	2	3	1	2	1.1	2.8
10-Feb-06	1	3	2	2	2	1	1	0	1	1	0	0	0	0	2	1	3	2	1	1	1	3	2	1	1.3	3.0
11-Feb-06	1	1	2	0	0	0	1	1	2	3	3	2	2	0	0	0	5	5	1	10	11	8	6	5	2.9	10.9
12-Feb-06	7	6	1	0	1	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	7.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	1	1	1	4	1	0	0	1	2	7	3	0	0	1	N	6.7
14-Feb-06	2	2	5	5	4	2	0	2	2	4	3	1	0	0	0	3	3	C	C	2	1	0	4	1	2.1	4.7
15-Feb-06	1	1	1	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	2	1	2	2	1	1	0.7	2.0
16-Feb-06	2	2	1	1	2	3	3	5	4	3	10	0	1	2	2	1	1	2	3	2	1	1	1	2	2.3	10.0
17-Feb-06	4	3	4	3	3	1	0	0	0	D	0	2	3	1	3	5	5	3	3	2	2	3	1	2	2.4	4.7
18-Feb-06	3	3	3	2	3	2	3	3	5	4	3	1	1	1	1	0	1	1	0	0	0	0	1	2	1.8	4.7
19-Feb-06	2	1	1	1	0	1	0	0	1	3	2	1	2	2	2	2	2	2	1	0	1	0	0	0	1.2	2.5
20-Feb-06	1	1	2	1	2	3	3	5	3	2	1	2	2	1	1	2	3	2	1	2	2	1	0	0	1.6	4.5
21-Feb-06	0	0	1	1	1	1	0	0	0	0	0	0	0	0	3	2	0	1	2	3	2	3	2	0	1.0	3.2
22-Feb-06	0	0	2	2	3	3	3	2	8	3	3	3	2	2	4	4	2	4	3	3	3	2	1	2	2.6	7.5
23-Feb-06	2	4	3	2	4	3	3	5	5	2	2	2	2	2	2	4	4	4	4	3	3	4	4	3	3.2	5.0
24-Feb-06	2	3	2	3	3	3	5	2	4	4	2	1	2	1	2	2	2	2	3	4	4	2	2	1	2.5	4.7
25-Feb-06	1	2	4	3	1	3	4	3	3	3	1	3	7	9	1	2	3	0	0	0	0	0	1	1	2.3	8.7
26-Feb-06	1	1	2	4	2	3	3	4	5	6	6	5	6	6	5	5	5	9	7	10	10	8	7	8	5.4	9.8
27-Feb-06	6	6	5	4	5	4	4	4	6	5	5	5	4	4	7	6	7	7	7	9	6	7	8	9	5.9	8.5
28-Feb-06	9	9	9	6	12	10	7	7	11	17	13	11	12	7	9	7	8	7	5	7	7	6	6	6	8.7	16.6
Hourly Avg	2.7	2.5	2.6	2.7	2.6	2.4	2.4	2.7	3.5	3.8	3.5	3.1	3.1	2.8	3.1	3.0	3.4	3.5	3.2	3.6	3.1	3.0	2.7	2.7		
Hourly Max	11.9	8.7	8.5	8.0	11.8	10.4	9.3	9.8	11.5	16.6	12.8	11.2	12.3	8.7	9.5	9.6	11.3	11.2	14.0	10.2	10.9	10.2	8.3	8.8		

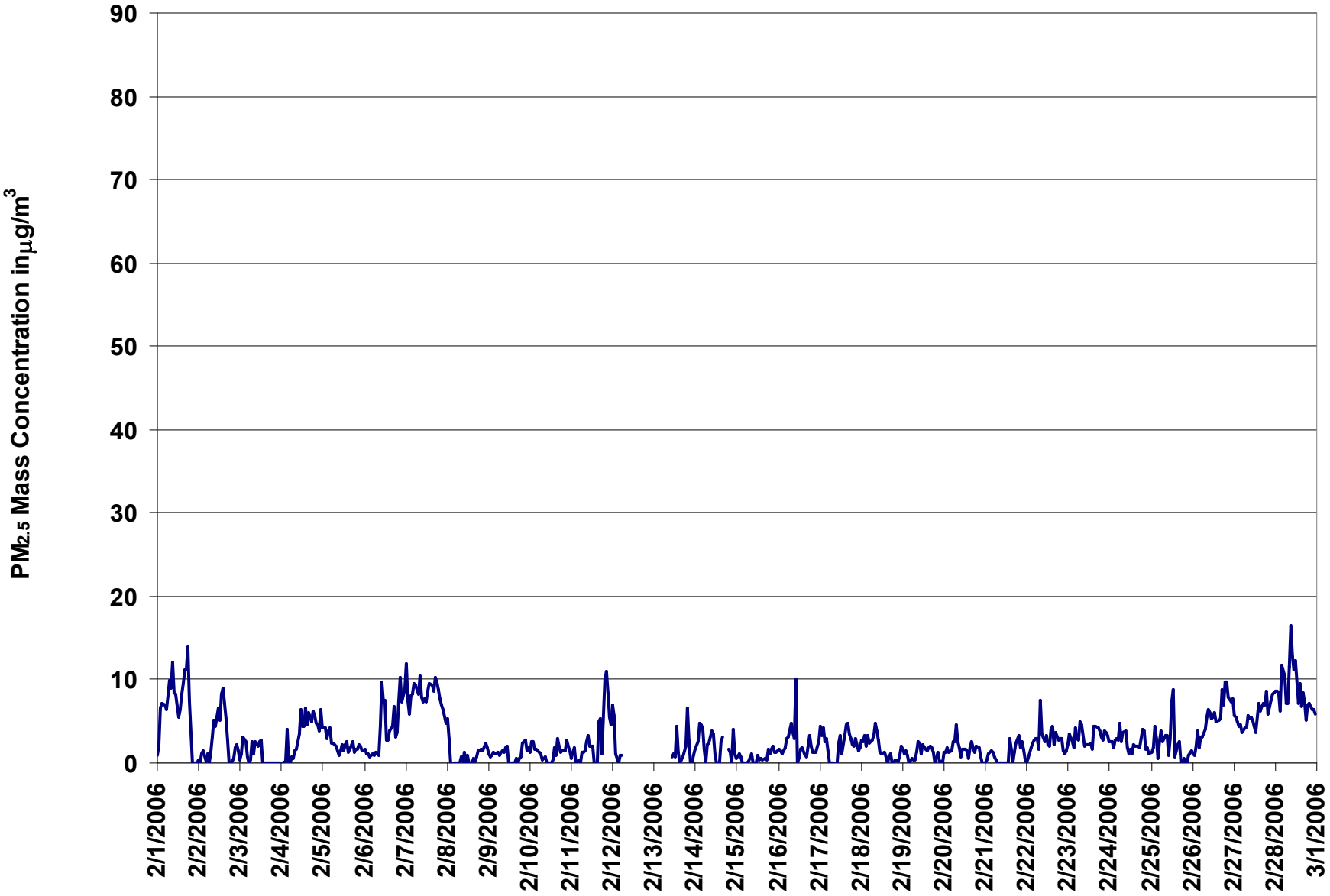


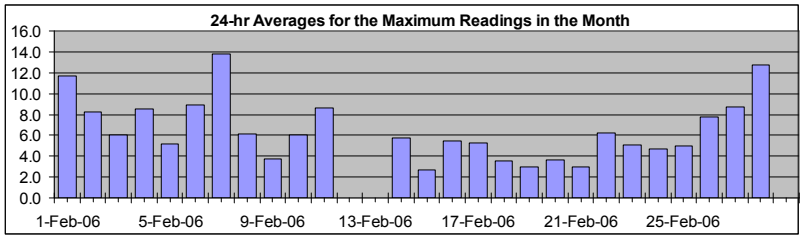
Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	37.1	µg/m³	22-Feb	8:00 9:00
Maximum 24-hr Value:	13.8	µg/m³	7-Feb	

AIC Time:	0 hrs	Operational Time:	639 hrs
Calibration Time:	1 hrs	AMD Operational Uptime:	95.2%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	20.5	14.8	8.6	5.2	3.4	1.5	0.9	6.5 / 7 µg/m˘	5.9 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-Feb-06	4	5	13	12	9	9	12	15	12	28	13	14	12	11	14	14	14	15	24	17	3	3	3	4	11.6	28.2
2-Feb-06	6	4	8	7	5	6	5	6	10	11	12	12	10	12	11	9	11	9	6	6	8	9	9	8	8.3	12.0
3-Feb-06	6	9	10	10	7	7	7	10	9	10	9	7	6	1	2	3	3	6	4	3	4	2	6	4	6.0	10.4
4-Feb-06	D	1	5	11	5	1	7	4	5	7	9	15	12	7	11	10	11	10	11	11	10	11	11	13	8.6	15.1
5-Feb-06	10	9	7	9	7	6	5	5	4	2	4	6	4	5	5	3	3	5	3	5	3	5	4	4	5.2	9.6
6-Feb-06	4	4	4	4	3	4	3	5	4	13	20	21	14	5	6	5	6	11	8	9	14	17	14	16	8.9	20.8
7-Feb-06	17	15	13	15	15	17	16	13	17	12	13	13	14	12	14	15	12	17	14	13	13	12	11	8	13.8	17.3
8-Feb-06	11	7	5	D	2	4	3	5	7	7	9	4	8	6	5	8	6	5	7	7	6	7	7	7	6.2	11.3
9-Feb-06	4	3	4	4	3	3	3	3	3	3	4	5	3	2	3	3	3	2	2	3	8	6	5	6	3.7	7.9
10-Feb-06	4	6	4	3	3	3	4	3	3	4	2	2	3	6	8	8	12	7	7	13	14	10	9	8	6.0	13.6
11-Feb-06	5	8	10	6	6	5	7	8	7	9	12	8	6	3	4	5	9	10	9	21	20	12	11	9	8.7	20.6
12-Feb-06	9	8	4	2	3	3	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	8.9
13-Feb-06	P	P	P	P	P	P	P	P	P	P	6	5	5	17	5	3	3	2	4	20	17	1	1	3	N	19.7
14-Feb-06	3	4	10	9	5	4	3	4	4	6	7	4	1	1	2	6	6	C	D	7	15	9	11	3	5.7	14.8
15-Feb-06	3	4	3	3	1	2	1	2	3	1	1	2	3	2	3	3	2	2	3	3	3	5	4	4	2.7	5.0
16-Feb-06	4	4	2	3	4	5	9	9	6	7	21	6	4	5	4	4	3	4	6	4	3	4	3	8	5.5	21.3
17-Feb-06	8	6	7	5	13	3	2	1	1	D	3	10	8	4	5	7	7	5	5	4	5	5	3	4	5.3	12.8
18-Feb-06	5	4	5	5	6	4	4	5	6	6	6	3	2	4	3	1	2	3	1	1	2	2	3	4	3.5	6.1
19-Feb-06	4	3	3	2	1	3	3	3	3	5	4	3	4	3	4	3	4	8	4	1	3	2	0	0	3.0	7.6
20-Feb-06	3	1	2	1	4	5	4	7	4	4	4	3	3	4	2	4	6	4	4	4	7	4	1	1	3.6	7.3
21-Feb-06	1	3	3	3	3	2	2	1	1	1	1	1	1	5	7	6	3	4	5	5	3	4	3	3	3.0	6.7
22-Feb-06	2	3	6	5	4	5	4	3	37	15	4	6	4	8	8	7	4	5	4	4	4	3	2	3	6.3	37.1
23-Feb-06	4	5	4	4	7	5	6	7	8	5	4	4	4	4	3	7	6	7	5	5	4	5	6	5	5.1	7.6
24-Feb-06	5	5	4	5	5	6	7	4	6	6	5	3	3	3	6	4	3	4	5	6	8	4	3	3	4.7	8.2
25-Feb-06	5	5	7	6	3	7	7	4	7	6	5	6	13	12	3	4	4	3	1	2	2	3	3	3	5.0	12.6
26-Feb-06	3	4	5	9	4	6	6	7	8	10	8	7	8	9	7	7	7	11	8	12	12	11	9	10	7.8	11.7
27-Feb-06	7	7	7	6	6	5	6	6	10	8	8	9	8	6	10	9	12	14	9	12	8	11	10	13	8.7	14.1
28-Feb-06	12	11	11	15	19	15	11	17	18	24	17	17	17	10	13	9	10	10	8	9	9	7	8	8	12.7	24.4
Hourly Avg	5.6	5.5	6.1	6.3	5.7	5.3	5.7	6.0	7.8	8.4	7.8	7.3	6.7	6.1	6.2	6.2	6.4	6.9	6.6	7.6	7.7	6.4	5.9	6.0		
Hourly Max	16.8	15.1	13.2	15.4	18.8	16.6	16.5	16.8	37.1	28.2	21.3	20.8	17.5	16.6	14.3	15.2	14.3	16.7	24.4	20.6	20.5	16.7	14.1	15.8		

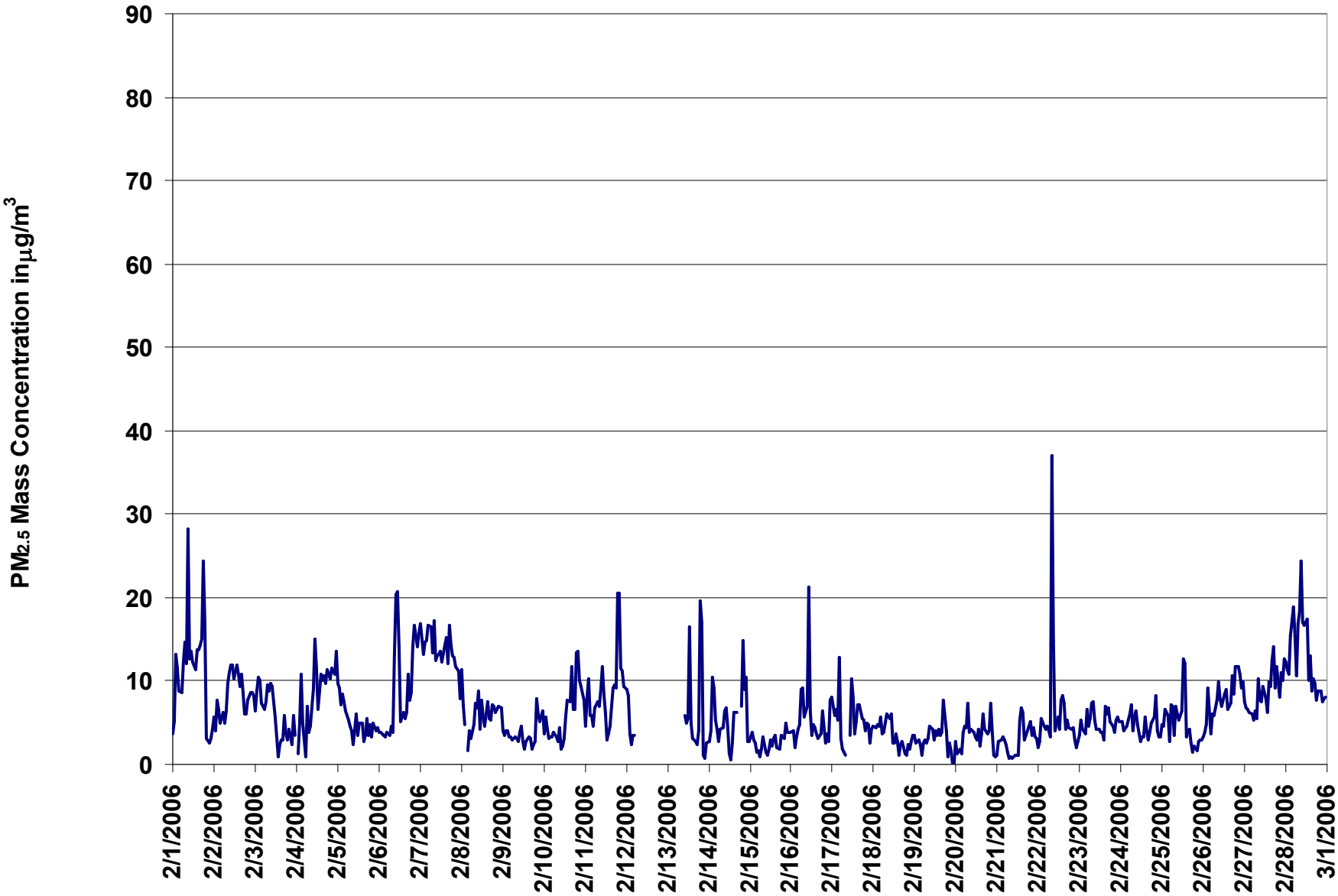
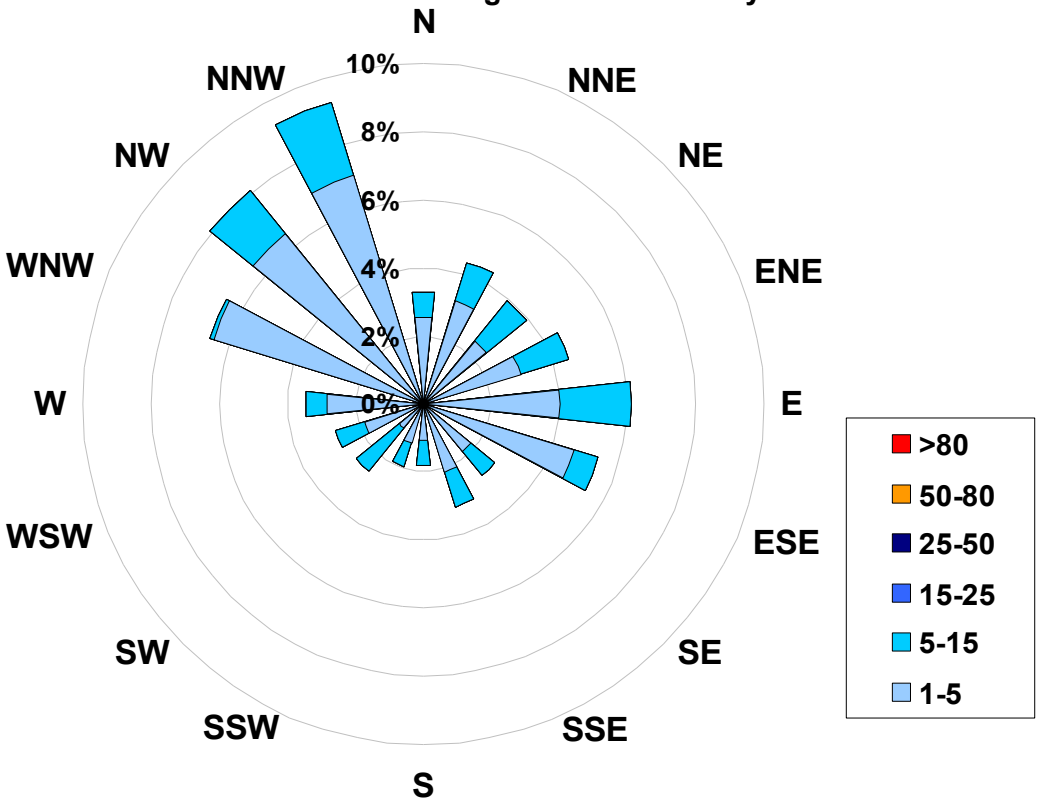


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	2%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	508
5	to	15	130
15	to	25	1
25	to	50	0
50	to	80	0
	>	80	0
Total Non-Zero Values			639

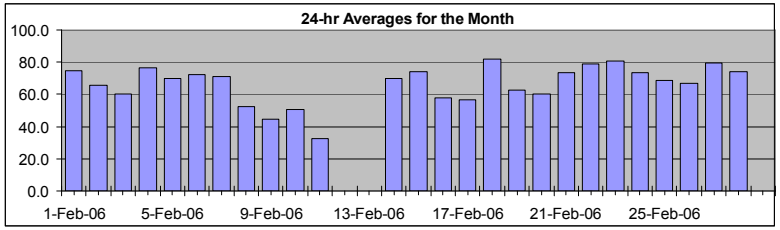
PASZA - Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	93.0	%	18-Feb	3:00 4:00
Maximum 24-hr Value:	82.0	%	18-Feb	

AIC Time:	0 hrs	Operational Time:	644 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	95.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	92.0	89.0	79.0	68.0	54.0	33.0	26.0	65.9 %	68.0 %

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	24-hour Average	Daily Maximum
1-Feb-06	79	78	85	86	86	86	87	86	86	84	78	62	56	57	54	56	66	74	73	74	76	77	74	71	74.6	87.0
2-Feb-06	74	69	82	80	83	82	77	77	84	78	63	46	42	38	39	39	55	57	57	64	69	71	76	73	65.6	84.0
3-Feb-06	70	69	73	76	73	72	71	75	75	74	56	54	54	49	45	42	47	54	52	55	53	50	53	55	60.3	76.0
4-Feb-06	46	43	54	85	88	81	78	75	72	79	87	86	81	66	71	77	82	83	87	90	84	81	78	79	76.4	90.0
5-Feb-06	79	78	78	76	78	79	75	74	72	68	64	62	61	54	53	54	61	64	66	68	72	75	83	83	69.9	83.0
6-Feb-06	84	88	89	92	92	89	87	88	87	84	69	62	49	50	49	50	58	64	61	62	66	75	68	74	72.4	92.0
7-Feb-06	81	71	71	74	67	77	79	77	77	76	75	70	68	63	65	69	70	71	73	72	69	62	61	61	70.8	81.0
8-Feb-06	63	64	63	57	57	57	56	59	62	60	56	48	44	44	42	40	39	40	46	50	50	52	57	55	52.5	64.0
9-Feb-06	53	54	54	53	54	55	54	53	54	51	48	42	34	31	30	29	29	33	33	34	44	48	45	49	44.3	55.0
10-Feb-06	54	63	71	72	73	75	76	75	75	73	62	55	44	41	39	29	30	31	28	26	28	31	31	31	50.5	76.0
11-Feb-06	26	27	28	28	28	26	27	31	35	37	35	23	24	23	24	24	36	43	47	44	47	42	39	41	32.7	47.0
12-Feb-06	49	49	33	31	32	35	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	49.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	45	41	39	41	37	35	37	37	41	57	87	73	57	54	N	87.0
14-Feb-06	52	53	62	80	87	88	70	66	67	65	64	67	66	65	64	64	61	65	69	72	81	86	87	83	70.2	88.0
15-Feb-06	78	79	81	82	84	86	88	89	89	90	88	84	79	72	69	69	63	62	61	59	59	53	55	54	73.9	90.0
16-Feb-06	59	62	62	67	71	71	74	77	73	60	52	47	48	39	28	30	39	55	63	63	60	56	61	65	57.6	77.0
17-Feb-06	73	79	78	78	77	74	72	68	66	62	53	37	33	29	34	34	39	42	48	48	54	61	63	63	56.9	79.0
18-Feb-06	67	68	67	72	79	87	90	91	90	87	85	85	84	81	78	75	68	68	86	90	91	93	93	92	82.0	93.0
19-Feb-06	91	88	86	83	82	78	68	71	65	62	55	54	51	47	42	40	44	52	57	59	59	60	58	57	62.9	91.0
20-Feb-06	54	57	55	54	54	55	58	75	86	80	63	55	53	52	48	46	53	61	67	64	61	67	64	67	60.4	86.0
21-Feb-06	67	68	66	69	68	72	76	84	76	65	63	53	48	48	74	83	77	78	84	88	83	88	93	91	73.4	93.0
22-Feb-06	92	89	92	93	93	92	91	89	88	86	80	68	60	55	63	48	61	68	77	75	76	88	88	89	79.2	93.0
23-Feb-06	89	90	90	91	91	90	90	90	90	84	75	74	73	73	66	67	73	75	77	77	76	79	80	82	80.9	91.0
24-Feb-06	84	86	86	87	86	87	86	85	84	79	70	64	61	54	52	52	53	59	66	70	75	78	81	83	73.7	87.0
25-Feb-06	84	85	84	83	84	85	84	84	83	76	61	47	36	35	50	54	56	64	70	72	63	64	68	71	68.5	85.0
26-Feb-06	72	72	72	75	75	76	77	79	78	73	61	52	48	32	37	47	59	68	70	73	76	72	76	78	66.6	79.0
27-Feb-06	82	84	83	83	83	83	83	83	82	81	77	68	64	66	72	81	73	72	77	81	84	87	87	87	79.3	87.0
28-Feb-06	88	87	88	83	80	85	84	84	80	77	76	64	61	62	51	54	58	62	66	70	74	78	83	82	74.0	88.0
Hourly Avg	70.0	70.4	71.6	73.7	74.3	74.9	75.3	76.3	76.0	72.7	65.2	58.1	54.1	50.6	51.0	51.4	55.1	59.3	63.0	65.1	67.3	68.4	68.9	69.3		
Hourly Max	92.0	90.0	92.0	93.0	93.0	92.0	91.0	91.0	90.0	90.0	88.0	86.0	84.0	81.0	78.0	83.0	82.0	83.0	87.0	90.0	91.0	93.0	93.0	92.0		

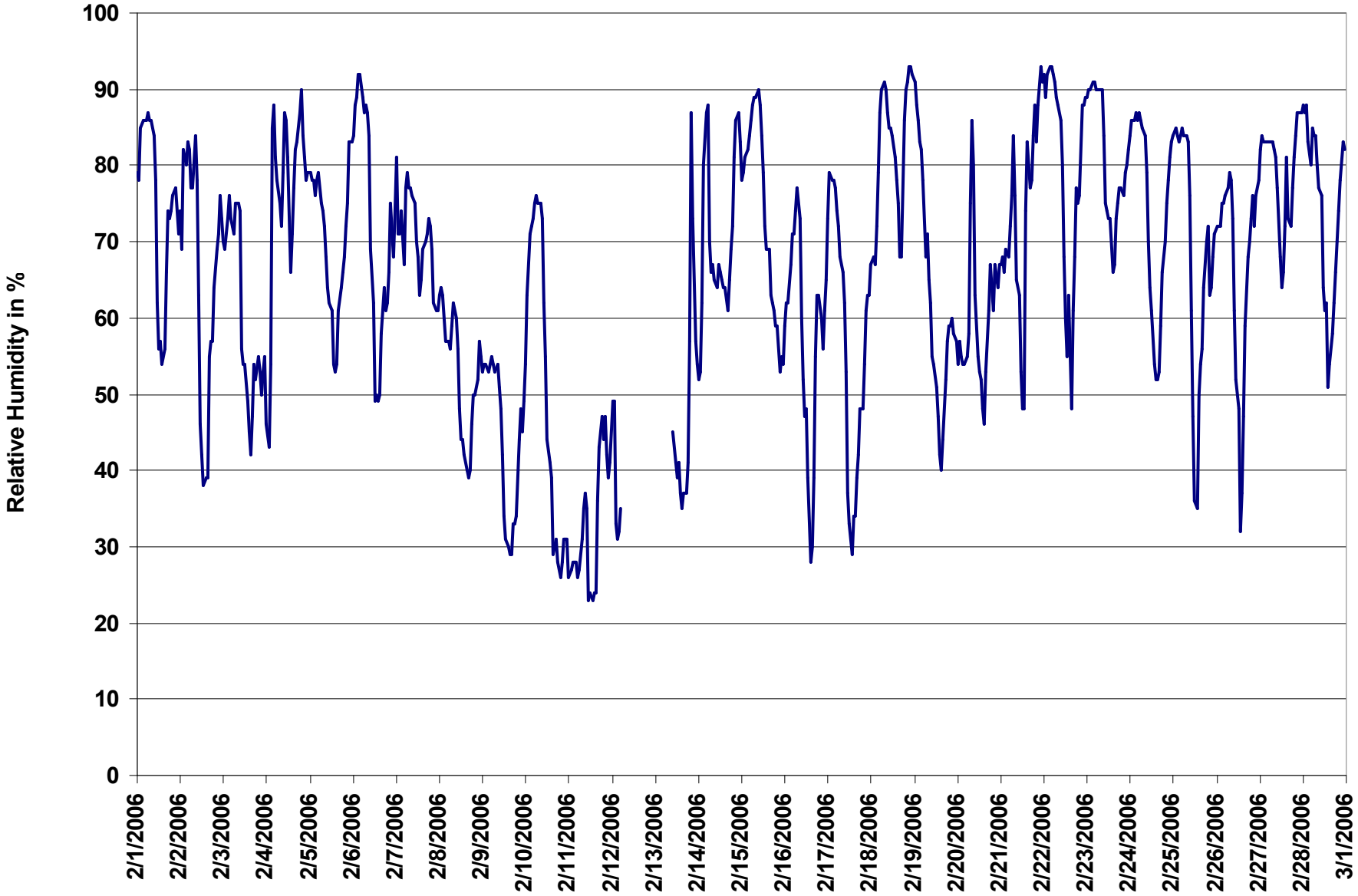


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

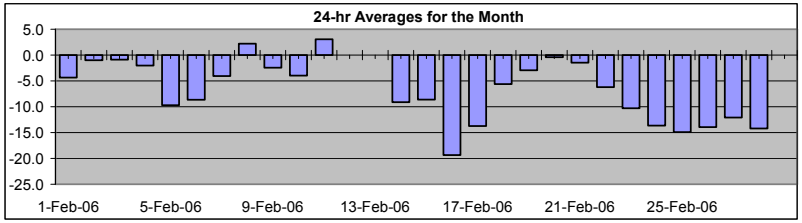
PASZA - Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	11.7	°C	11-Feb	15:00 16:00
Maximum 24-hr Value:	3.1	°C	11-Feb	

AIC Time:	0 hrs	Operational Time:	644 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	95.8%

Percentile	99	95	75	50	25	5	1	Average	Median
	6.2	3.6	-1.5	-6.4	-10.9	-19.2	-24.0	-6.6 °C	-6.4 °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-Feb-06	-5	-7	-9	-10	-8	-8	-8	-8	-8	-8	-7	-2	0	0	1	1	-2	-4	-2	-2	-1	-2	-2	-2	-4.4	0.9
2-Feb-06	-2	-1	-5	-4	-4	-4	-4	-4	-6	-5	-2	3	4	6	6	6	1	1	2	-1	-2	-2	-3	-3	-1.0	6.2
3-Feb-06	-2	-2	-3	-4	-3	-3	-3	-4	-4	-4	0	1	2	4	4	4	2	-1	-1	-2	-1	-1	-1	-1	-0.9	3.9
4-Feb-06	0	0	-2	-2	-2	-1	-1	0	0	-1	-1	-2	-1	2	1	-1	-2	-2	-3	-5	-5	-6	-7	-8	-2.0	1.7
5-Feb-06	-9	-9	-10	-11	-11	-11	-12	-12	-12	-12	-11	-10	-10	-7	-7	-7	-7	-8	-8	-8	-8	-9	-11	-12	-9.7	-6.5
6-Feb-06	-12	-12	-13	-13	-13	-13	-13	-14	-13	-13	-9	-7	-3	-2	-2	-2	-4	-6	-6	-6	-7	-10	-8	-9	-8.6	-1.8
7-Feb-06	-10	-8	-7	-8	-6	-7	-8	-8	-8	-6	-6	-5	-4	-2	-2	-2	-1	-2	-2	-1	0	2	3	3	-4.1	2.8
8-Feb-06	3	4	4	3	3	3	2	1	1	2	3	4	5	5	4	4	3	2	0	0	-1	-2	-2	-2	2.2	4.9
9-Feb-06	-2	-2	-3	-3	-4	-5	-5	-5	-5	-4	-2	1	2	2	2	3	2	-1	-2	-2	-5	-6	-6	-7	-2.5	2.6
10-Feb-06	-9	-10	-10	-9	-10	-10	-10	-10	-11	-10	-8	-6	-3	0	1	5	5	3	3	3	2	0	-1	-1	-4.0	5.5
11-Feb-06	0	-1	-1	-1	-1	0	-1	-2	-3	-2	1	6	8	10	10	12	9	6	4	4	3	4	5	4	3.1	11.7
12-Feb-06	2	2	5	5	5	4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	5.1
13-Feb-06	P	P	P	P	P	P	P	P	P	P	1	2	2	2	3	2	1	1	0	-1	-4	-3	-2	-3	N	2.8
14-Feb-06	-3	-3	-4	-4	-4	-4	-8	-10	-12	-13	-13	-13	-13	-12	-12	-11	-10	-11	-11	-11	-10	-10	-8	-8	-9.1	-3.3
15-Feb-06	-8	-9	-10	-10	-9	-9	-9	-8	-7	-6	-5	-5	-4	-4	-4	-5	-6	-7	-9	-12	-13	-14	-16	-17	-8.6	-3.7
16-Feb-06	-19	-19	-20	-21	-23	-23	-24	-25	-24	-21	-19	-17	-17	-14	-9	-10	-14	-18	-21	-21	-21	-21	-22	-23	-19.3	-9.0
17-Feb-06	-25	-25	-24	-24	-24	-23	-23	-22	-22	-20	-17	-11	-7	-4	-4	-2	-4	-5	-6	-6	-7	-7	-8	-8	-13.7	-2.5
18-Feb-06	-7	-7	-7	-8	-7	-7	-7	-7	-6	-6	-4	-4	-4	-3	-3	-2	-2	-2	-6	-7	-7	-8	-8	-8	-5.6	-1.5
19-Feb-06	-8	-8	-8	-8	-8	-7	-5	-5	-4	-3	0	0	1	2	4	5	3	0	-2	-3	-4	-5	-4	-4	-2.9	4.5
20-Feb-06	-2	-2	-2	-2	-1	-1	-1	-2	-3	-2	-1	1	2	2	3	3	2	1	0	0	0	-1	-1	-2	-0.4	3.1
21-Feb-06	-2	-2	-1	-1	-1	-1	-3	-4	-4	-1	0	2	3	3	0	-1	-1	-1	-1	-3	-3	-4	-4	-5	-1.5	2.8
22-Feb-06	-5	-5	-6	-6	-6	-6	-7	-7	-8	-8	-7	-5	-2	-1	-4	0	-6	-7	-9	-9	-9	-9	-9	-8	-6.2	-0.4
23-Feb-06	-8	-9	-10	-10	-10	-11	-10	-11	-10	-10	-9	-9	-9	-9	-8	-8	-10	-11	-12	-12	-12	-13	-13	-13	-10.3	-7.9
24-Feb-06	-13	-14	-14	-15	-16	-16	-16	-16	-16	-15	-14	-13	-11	-10	-9	-9	-10	-12	-14	-14	-14	-15	-15	-16	-13.7	-8.8
25-Feb-06	-17	-17	-17	-17	-18	-19	-19	-19	-19	-16	-13	-10	-6	-5	-10	-11	-11	-14	-17	-17	-16	-16	-16	-17	-14.9	-5.1
26-Feb-06	-17	-17	-18	-18	-19	-19	-19	-20	-19	-18	-15	-12	-10	-4	-5	-8	-10	-12	-13	-13	-14	-12	-12	-11	-13.9	-4.4
27-Feb-06	-11	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-8	-9	-10	-11	-10	-11	-13	-14	-15	-16	-16	-16	-12.1	-8.2
28-Feb-06	-16	-16	-16	-19	-25	-21	-20	-19	-21	-24	-17	-12	-11	-10	-7	-7	-8	-9	-11	-11	-10	-10	-11	-11	-14.2	-6.6
Hourly Avg	-7.7	-7.8	-8.2	-8.5	-8.8	-8.8	-9.4	-9.8	-9.9	-9.2	-6.9	-4.9	-3.5	-2.2	-2.1	-2.0	-3.3	-4.8	-5.8	-6.4	-6.9	-7.3	-7.4	-7.7		
Hourly Max	3.1	4.4	4.9	5.1	4.6	3.9	2.2	1.5	1.1	1.8	2.6	5.9	8.0	9.5	10.2	11.7	8.7	6.3	4.5	4.2	2.9	3.6	4.7	3.7		

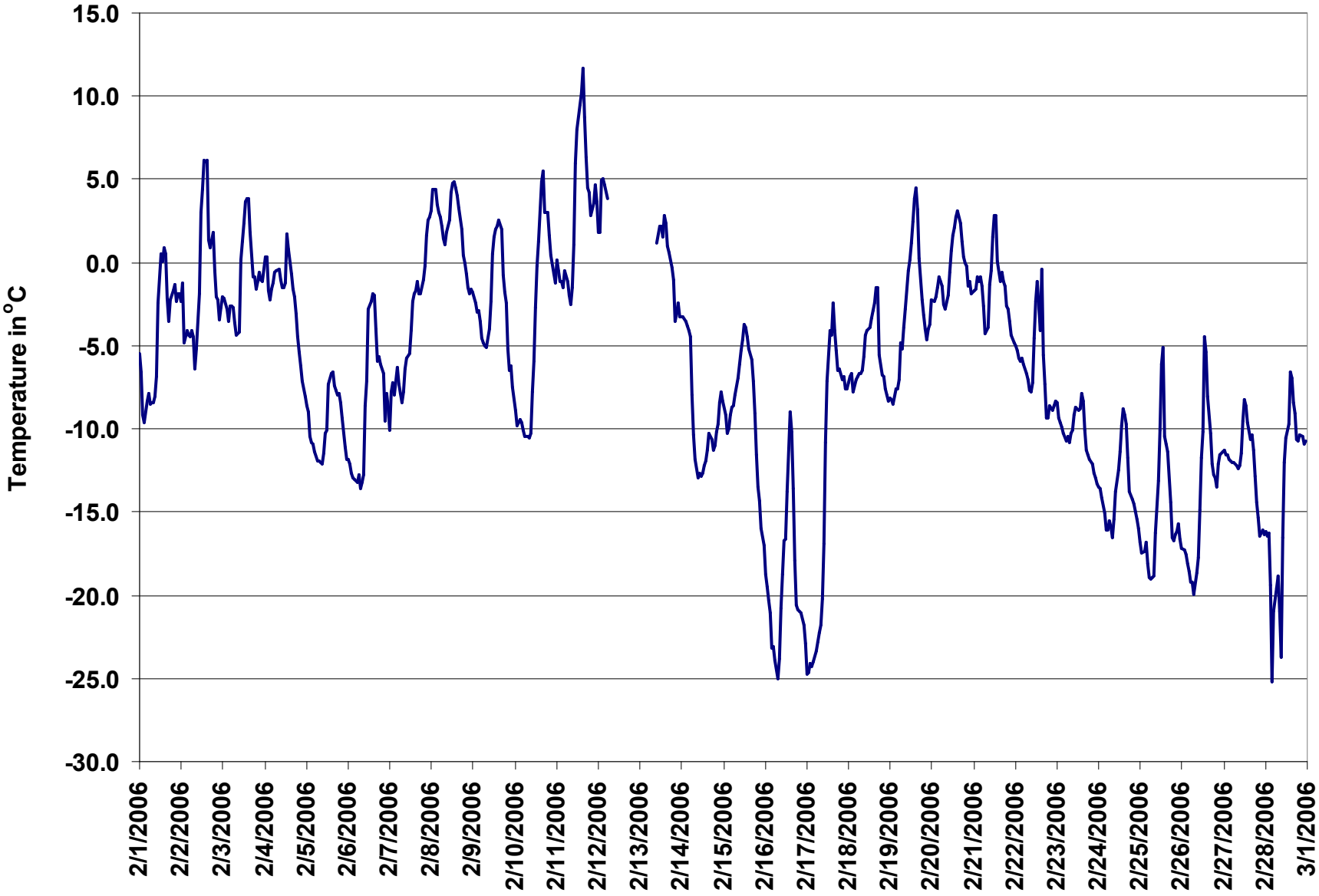


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

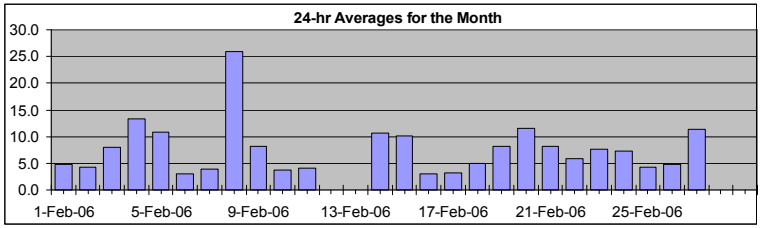
PASZA – Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	38.7	km/hr	8-Feb	14:00 15:00
Maximum 24-hr Value:	26.0	km/hr	8-Feb	

Calm Time:	11 hrs	**2%** calms	Operational Time: 633 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 95.8%

Percentile	99	95	75	50	25	5	1	AverageS
	30.5	21.4	10.6	5.6	3.3	1.9	1.2	8.0 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-Feb-06	2	5	6	5	8	4	3	4	2	2	3	5	4	1	3	2	4	5	7	8	9	8	8	6	4.7	8.9
2-Feb-06	4	4	3	4	2	4	3	3	3	3	4	2	2	1	3	3	2	9	15	5	4	7	3	9	4.3	14.9
3-Feb-06	11	8	3	3	3	3	2	2	3	3	3	4	10	22	27	20	18	10	7	5	5	5	6	9	8.0	27.1
4-Feb-06	14	18	15	13	17	22	23	19	16	15	7	8	10	7	9	12	13	9	12	10	13	12	13	15	13.4	22.8
5-Feb-06	13	15	15	16	16	16	13	13	15	17	16	16	12	11	11	11	7	8	5	4	2	3	2	3	10.8	17.3
6-Feb-06	3	3	3	3	3	2	calm	calm	calm	2	2	2	2	2	3	3	4	3	2	2	5	5	7	5	3.0	6.5
7-Feb-06	5	4	3	3	5	5	5	4	4	4	4	4	3	2	2	4	5	6	6	5	4	2	2	3	3.8	5.8
8-Feb-06	9	12	27	20	22	29	33	32	26	24	27	31	35	34	39	34	30	27	26	28	21	19	19	18	26.0	38.7
9-Feb-06	18	13	14	12	9	9	8	8	8	8	3	3	8	9	10	9	8	9	11	7	4	3	3	3	8.2	17.7
10-Feb-06	3	4	3	3	2	3	3	3	3	3	5	5	5	4	6	4	3	3	5	9	4	3	2	3	3.8	9.5
11-Feb-06	6	3	3	2	3	2	3	4	3	3	4	2	3	2	3	2	5	4	5	4	5	6	11	8	4.0	10.8
12-Feb-06	3	4	16	15	12	13	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	15.6
13-Feb-06	P	P	P	P	P	P	P	P	P	P	28	28	29	25	28	30	24	22	20	21	13	15	12	7	N	30.1
14-Feb-06	7	6	9	12	11	13	21	18	15	14	13	14	13	12	12	12	12	9	5	5	7	4	6	8	10.7	21.4
15-Feb-06	10	5	4	4	6	10	10	8	10	10	9	9	12	17	17	17	16	14	13	9	8	11	8	5	10.1	16.8
16-Feb-06	4	3	6	5	2	3	3	3	2	2	2	3	4	3	1	1	2	5	5	4	3	2	1	2	3.0	6.1
17-Feb-06	3	3	3	3	3	4	3	2	2	3	3	2	1	2	4	3	3	3	3	5	4	6	6	5	3.3	5.8
18-Feb-06	6	5	4	2	4	5	7	4	2	3	6	8	8	10	11	8	7	2	4	4	2	2	3	3	5.0	10.7
19-Feb-06	3	3	3	2	2	3	5	3	6	8	10	12	13	16	16	16	13	13	12	12	11	4	5	5	8.1	15.8
20-Feb-06	8	8	10	16	18	18	14	15	14	13	15	18	18	17	14	9	10	13	5	4	6	5	6	5	11.6	18.3
21-Feb-06	5	5	3	4	4	2	3	1	7	10	10	13	21	24	21	13	4	4	12	6	6	7	5	7	8.1	23.8
22-Feb-06	7	9	8	7	7	9	13	11	9	8	5	4	3	2	4	1	3	2	4	4	3	7	5	5	5.8	12.6
23-Feb-06	6	6	3	3	5	4	3	3	3	5	6	8	11	13	15	13	13	13	12	8	7	8	9	7	7.6	14.6
24-Feb-06	7	6	6	7	5	8	8	10	10	9	9	10	10	6	8	8	7	6	5	9	9	6	5	5	7.4	10.2
25-Feb-06	7	6	7	6	2	3	2	2	2	4	2	2	1	2	5	5	4	6	5	4	7	8	7	3	4.3	7.6
26-Feb-06	3	3	3	5	4	5	3	4	6	8	5	4	2	1	2	4	4	4	3	5	4	6	11	14	4.7	14.0
27-Feb-06	16	17	19	22	21	20	20	19	19	15	8	5	4	6	5	10	11	9	6	4	4	2	4	6	11.4	22.3
28-Feb-06	2	calm	calm	1	calm	calm	calm	calm	calm	calm	2	4	4	13	5	8	10	7	10	7	7	7	7	9	N	13.2
1-hr Average	6.8	7.0	7.6	7.2	7.5	8.4	8.7	8.2	7.9	7.8	7.7	8.2	9.2	9.9	10.4	9.7	8.9	8.3	8.3	7.4	6.6	6.4	6.4	6.7		
Hourly Max	17.7	18.5	27.1	22.3	22.4	28.5	33.2	32.4	26.0	24.4	27.6	30.5	35.3	34.5	38.7	34.0	30.3	27.4	26.1	27.6	21.4	18.9	18.7	18.3		

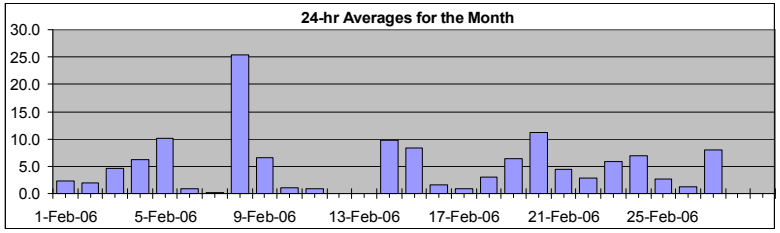
PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2006 to March 1, 2006



Summary

Maximum 1-hr Average:	38.6	km/hr	8-Feb	14:00 15:00
Maximum 24-hr Value:	25.4	km/hr	8-Feb	

Calm Time:	19 hrs	**3%** calms	Operational Time:	625 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	95.8%

Percentile	99	95	75	50	25	5	1	AverageV
	30.2	21.4	10.5	5.4	2.9	1.4	1.0	7.2 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-Feb-06	2	5	6	5	8	4	3	4	2	2	3	5	4	1	3	2	4	5	7	4	9	8	8	6	2.3	8.8
2-Feb-06	3	4	2	3	1	4	3	3	2	3	4	1	2	1	2	3	2	9	15	5	4	7	1	9	1.9	14.6
3-Feb-06	11	7	2	3	3	3	1	2	3	3	2	3	9	22	27	20	18	10	7	1	5	5	4	8	4.6	27.0
4-Feb-06	14	18	15	13	17	22	23	19	16	14	6	7	9	7	9	12	13	9	12	10	13	11	13	15	6.1	22.7
5-Feb-06	12	15	15	16	16	16	13	13	15	17	16	16	12	11	11	11	7	7	5	3	1	2	2	2	10.1	17.3
6-Feb-06	2	1	3	3	2	2	calm	calm	calm	1	1	2	calm	2	3	3	4	2	1	calm	4	4	6	4	0.9	6.3
7-Feb-06	2	4	2	3	3	2	4	3	2	2	3	3	1	1	calm	3	4	5	4	2	3	calm	1	3	0.2	5.5
8-Feb-06	9	12	27	20	22	28	33	32	26	24	27	30	35	34	39	34	30	27	26	28	21	19	19	18	25.4	38.6
9-Feb-06	18	13	14	12	9	9	8	8	8	7	2	1	8	9	10	9	8	9	11	7	2	3	2	3	6.5	17.7
10-Feb-06	3	4	2	3	2	3	3	2	2	2	3	4	4	4	6	2	2	2	4	9	3	2	1	calm	1.1	9.4
11-Feb-06	6	1	1	1	3	1	2	2	1	3	4	2	2	2	3	2	4	3	5	3	4	5	11	8	0.8	10.6
12-Feb-06	2	1	15	15	11	13	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	15.5
13-Feb-06	P	P	P	P	P	P	P	P	P	P	28	28	29	25	28	30	24	22	20	21	13	15	12	7	N	30.1
14-Feb-06	7	6	9	12	11	13	21	18	15	14	13	14	13	12	7	12	10	9	5	5	7	4	5	8	9.8	21.4
15-Feb-06	10	5	3	4	6	10	10	8	10	10	9	9	12	17	16	16	15	14	13	9	8	11	8	5	8.3	16.7
16-Feb-06	4	3	6	5	2	3	3	3	2	2	2	3	4	3	calm	1	2	5	5	4	3	2	1	2	1.6	6.1
17-Feb-06	3	3	3	3	3	4	3	2	2	3	3	2	1	2	3	2	3	3	3	4	4	6	4	5	0.8	5.8
18-Feb-06	6	5	3	1	4	5	7	4	2	3	6	8	8	10	10	8	6	2	3	4	2	2	3	3	2.9	10.5
19-Feb-06	3	3	3	2	2	3	5	3	5	7	9	12	13	16	16	15	13	13	12	12	11	4	5	5	6.4	15.7
20-Feb-06	8	8	10	16	18	18	14	15	14	12	15	18	18	17	14	9	10	13	5	4	6	5	6	5	11.1	18.3
21-Feb-06	2	4	2	3	4	2	2	calm	7	10	10	12	21	24	19	12	3	3	9	6	6	7	4	7	4.5	23.6
22-Feb-06	7	9	8	6	7	5	11	11	9	8	5	4	2	1	calm	1	2	2	3	4	2	7	5	5	2.8	11.3
23-Feb-06	6	6	3	3	5	4	3	3	3	5	6	8	11	13	15	13	13	13	12	8	7	8	9	7	5.8	14.6
24-Feb-06	7	6	6	7	5	8	8	10	10	9	9	10	10	6	8	2	6	5	1	9	9	6	5	5	6.9	10.2
25-Feb-06	7	6	7	6	2	3	2	2	2	4	2	2	1	2	5	5	4	6	5	4	7	8	7	3	2.6	7.6
26-Feb-06	3	3	3	5	4	5	3	4	6	8	5	4	2	1	2	4	4	4	3	5	4	6	11	14	1.3	14.0
27-Feb-06	16	17	19	22	21	20	20	19	19	15	8	5	4	6	5	10	11	9	6	4	4	2	4	6	8.0	22.3
28-Feb-06	2	calm	calm	1	calm	calm	calm	calm	calm	calm	2	4	4	13	5	8	10	7	10	7	7	7	7	9	N	13.2
1-hr Vector	2.0	2.0	2.2	2.2	3.0	3.0	2.7	2.8	2.7	3.2	4.3	5.4	6.2	6.0	5.8	5.7	4.8	4.5	4.1	3.4	2.3	1.3	1.6	1.5		
Hourly Max	17.7	18.3	26.9	22.3	22.3	28.5	33.2	32.3	25.9	24.3	27.6	30.2	35.3	34.4	38.6	33.9	30.2	27.2	26.0	27.5	21.3	18.9	18.7	18.2		

PASZA - Beaverlodge - Wind Direction Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:	644 hrs																			
Calibration Time:	0 hrs						AMD Operational Uptime:	95.8%																			
Percentile	99	95	75	50	25	5	1	Average																			
	357.0	343.9	300.3	218.5	96.8	26.2	7.4	320 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-Feb-06	194	260	286	22	326	26	7	307	76	127	83	64	168	184	242	226	204	220	236	221	252	243	236	233	248	WSW
2-Feb-06	218	279	181	121	132	86	105	95	145	89	83	128	278	192	139	179	198	270	272	227	189	231	167	260	217	SW
3-Feb-06	267	254	203	79	72	97	115	182	155	165	185	189	238	253	259	259	261	260	266	212	79	75	107	98	243	WSW
4-Feb-06	102	115	125	108	107	96	102	104	97	83	30	315	24	346	334	328	337	339	346	342	324	336	331	334	51	NE
5-Feb-06	331	326	328	323	328	332	327	332	322	325	316	320	323	326	334	337	351	346	1	357	251	236	163	107	328	NNW
6-Feb-06	159	167	107	102	128	164	233	110	41	253	262	43	148	115	135	161	116	223	219	217	334	43	58	252	131	SE
7-Feb-06	34	72	160	163	338	91	174	255	14	2	242	198	233	228	130	70	255	330	28	330	97	102	150	218	37	NE
8-Feb-06	308	309	292	271	271	260	260	263	269	269	269	279	282	277	278	289	295	291	287	289	287	283	286	291	280	W
9-Feb-06	293	298	299	309	313	313	310	310	314	316	197	164	311	326	321	338	10	19	15	348	321	75	46	90	322	NW
10-Feb-06	81	73	134	108	113	115	144	145	151	133	179	195	207	172	67	1	33	32	252	293	288	140	108	216	147	SSE
11-Feb-06	282	28	353	174	98	280	118	200	108	87	69	140	104	92	90	175	157	155	66	359	349	336	323	299	24	NNE
12-Feb-06	228	101	299	290	284	279	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-
13-Feb-06	P	P	P	P	P	P	P	P	P	P	279	277	282	283	285	284	287	289	290	329	301	289	296	317	N	-
14-Feb-06	325	339	341	323	315	338	359	357	346	345	342	331	333	331	331	320	310	307	279	253	253	264	330	343	331	NNW
15-Feb-06	10	338	336	344	324	330	327	311	319	321	316	317	356	22	36	33	27	24	25	37	50	56	63	40	8	N
16-Feb-06	63	108	77	16	48	21	267	87	95	95	226	202	190	140	114	158	187	159	126	92	112	122	126	196	114	ESE
17-Feb-06	166	111	84	109	78	73	72	18	125	59	58	166	183	322	8	238	248	266	297	314	299	304	298	304	340	NNW
18-Feb-06	319	309	291	91	328	318	328	303	264	240	331	327	310	297	293	286	253	186	129	115	132	131	104	100	303	WNW
19-Feb-06	83	72	80	89	109	87	247	248	262	300	306	300	288	291	289	292	272	264	267	269	263	240	250	258	280	W
20-Feb-06	270	283	284	287	291	295	305	302	302	308	296	302	302	297	299	320	297	296	278	273	286	228	249	231	293	WNW
21-Feb-06	207	37	307	286	343	335	299	190	267	271	270	282	294	299	325	308	286	30	347	115	92	116	105	89	308	NW
22-Feb-06	89	89	77	5	353	343	335	336	325	319	336	279	266	22	76	196	161	113	102	97	199	79	78	80	21	NNE
23-Feb-06	39	64	44	208	310	44	84	195	146	103	102	67	66	73	71	51	40	44	51	25	359	344	349	354	47	NE
24-Feb-06	14	354	12	10	346	341	346	335	325	338	326	321	323	339	344	340	344	347	360	22	16	30	18	360	348	NNW
25-Feb-06	355	1	33	35	38	16	60	44	90	94	167	258	185	202	119	124	103	30	39	84	98	104	119	179	72	ENE
26-Feb-06	273	254	242	283	300	14	335	340	326	347	326	276	214	177	125	135	144	103	72	36	100	80	96	94	43	NE
27-Feb-06	84	92	94	96	97	105	103	102	103	96	71	66	37	29	347	328	326	323	322	328	69	117	95	151	84	E
28-Feb-06	117	129	75	228	114	101	357	38	88	175	24	242	277	27	69	55	34	53	42	38	50	28	6	28	N	-
Hourly Avg	345	9	337	336	331	344	336	321	322	332	304	296	298	307	313	312	311	316	326	327	323	340	352	329		

PASZA – Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2006 to March 1, 2006

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 644 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 95.8%

Percentile	99	95	75	50	25	5	1
	25.1	18.0	12.0	9.0	7.0	4.0	3.0

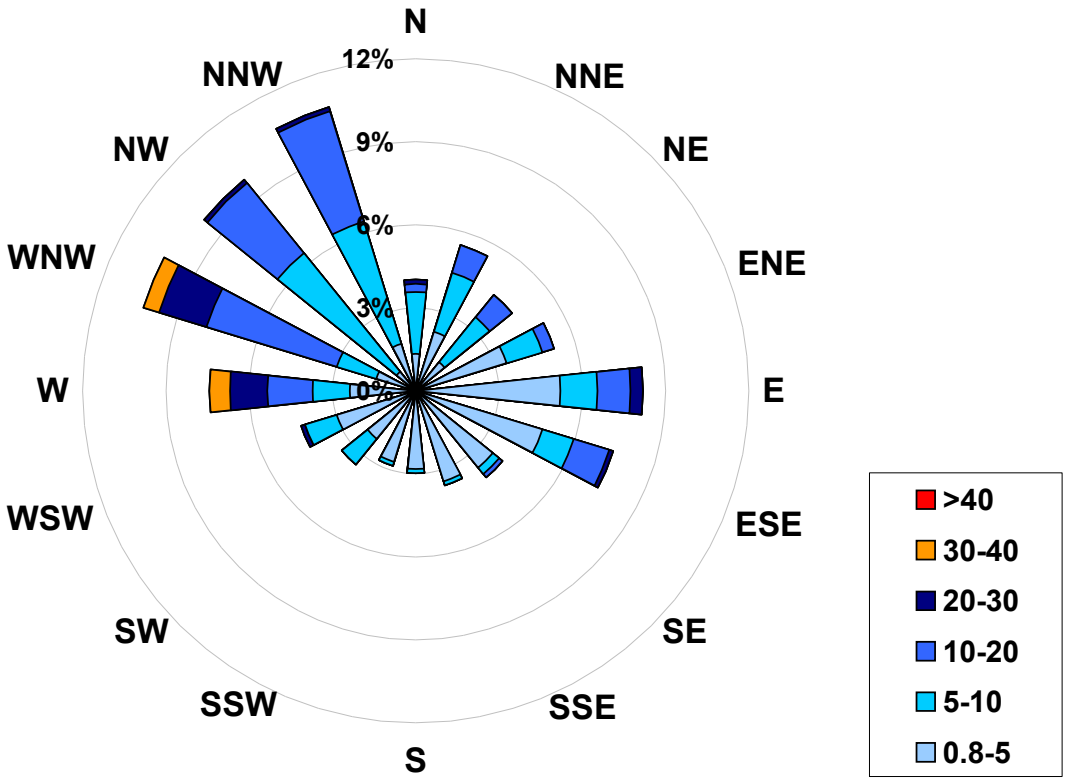
Status Flag Characters

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	Daily Maximum
1-Feb-06	17	18	20	12	11	20	10	6	5	17	4	4	5	17	4	8	7	5	15	15	7	10	3	6	20.0
2-Feb-06	11	10	6	6	17	5	5	7	4	16	4	9	6	11	8	5	19	6	6	9	21	12	38	7	38.0
3-Feb-06	4	4	10	12	10	5	20	13	8	19	12	13	7	6	6	6	6	4	3	8	4	7	9	8	20.0
4-Feb-06	8	9	9	8	9	9	9	9	9	8	9	7	11	11	13	12	15	17	20	17	9	15	13	14	20.0
5-Feb-06	13	11	11	10	11	12	11	12	9	10	8	10	12	11	14	13	18	18	17	10	6	2	4	6	18.0
6-Feb-06	5	8	10	6	9	10	7	3	11	13	7	13	11	10	9	6	5	9	28	17	17	11	7	11	28.0
7-Feb-06	7	6	10	9	12	9	8	12	7	6	8	7	13	11	10	15	16	20	10	8	21	27	22	13	27.0
8-Feb-06	10	8	7	7	7	7	6	7	7	6	6	7	7	7	6	7	7	7	6	7	6	6	6	7	10.0
9-Feb-06	7	8	8	9	8	6	5	6	6	6	9	20	10	10	9	16	15	11	13	13	7	6	9	8	20.0
10-Feb-06	9	7	10	10	12	9	14	19	6	8	15	11	11	11	6	8	17	11	7	3	10	14	16	15	19.0
11-Feb-06	5	15	15	12	9	12	8	11	14	7	6	13	12	8	7	10	4	4	4	8	13	7	9	8	15.0
12-Feb-06	12	12	7	5	6	6	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	12.0
13-Feb-06	P	P	P	P	P	P	P	P	P	P	8	7	7	7	7	7	7	7	7	16	9	7	8	9	16.0
14-Feb-06	10	14	17	10	8	17	29	26	23	20	16	11	13	14	13	9	9	7	2	4	6	13	14	15	29.0
15-Feb-06	19	16	12	16	12	11	10	8	9	9	8	9	21	15	9	10	10	11	11	6	6	5	5	7	21.0
16-Feb-06	5	10	7	7	12	11	14	5	9	4	9	11	11	11	14	8	10	3	8	7	8	4	4	4	14.0
17-Feb-06	4	8	8	9	10	7	17	8	5	9	12	11	9	13	14	8	3	3	2	4	7	6	5	7	17.0
18-Feb-06	9	6	6	8	6	6	8	4	7	10	13	12	9	7	6	7	6	1	5	8	15	22	11	9	22.0
19-Feb-06	7	7	7	10	6	17	7	23	4	7	8	8	6	7	6	7	6	5	5	4	3	4	8	5	23.0
20-Feb-06	7	7	6	7	7	7	8	7	8	9	7	7	8	7	7	9	7	7	3	2	4	5	6	7	9.0
21-Feb-06	10	12	11	9	14	10	13	38	9	7	7	8	7	8	18	8	8	14	11	8	6	8	9	6	38.0
22-Feb-06	5	6	6	14	19	15	14	14	9	7	11	7	6	15	5	4	2	4	5	8	12	6	6	6	19.0
23-Feb-06	7	5	10	5	6	8	10	8	8	6	8	8	6	6	7	7	7	8	8	10	15	7	10	15	15.0
24-Feb-06	11	10	12	11	13	11	14	7	9	12	9	8	7	14	16	13	16	14	18	11	13	9	10	13	18.0
25-Feb-06	13	13	8	6	5	5	12	9	8	6	6	11	8	14	9	8	4	5	8	17	11	10	9	24	24.0
26-Feb-06	26	18	15	11	9	7	13	10	3	11	8	5	9	15	3	6	5	7	8	6	13	11	9	8	26.0
27-Feb-06	5	7	8	8	9	9	9	9	10	9	11	16	11	9	11	9	10	9	7	6	6	10	6	11	16.0
28-Feb-06	10	7	5	12	14	14	10	10	14	11	16	16	8	10	8	16	7	9	8	18	11	19	19	14	19.0
Hourly Max	26	18	20	16	19	20	29	38	23	20	16	20	21	17	18	16	19	20	28	18	21	27	38	24	

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



Calms: 2%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	285
5	to	10	178
10	to	20	131
20	to	30	29
30	to	40	9
	>	40	0
Total Non-Zero Values			633

PEACE AIRSHED ZONE ASSOCIATION

PASZA Monthly Passive Data Summary

Table 1. PASZA Passive Stations for February 2006

Station Number	Station Name	PASZA SO2 ppb	PASZA O3 ppb	PASZA NO2 ppb	Site Legal
Duplicates					
26a	Flyingshot	**0.3**	**36.4**	**5.4**	
26b	Flyingshot	**0.3**	**33.9**	**5.4**	
27a	Grande Prairie I	**0.5**	**28.2**	**14.1**	
27b	Grande Prairie I	**0.5**	**30.0**	**14.3**	
32a	Gold Creek	**0.7**	**27.4**	**3.4**	
32b	Gold Creek	**0.7**	**27.2**	**3.5**	
49a	Grande Prairie HP	**0.5**	**23.4**	**17.6**	
49b	Grande Prairie HP	**0.4**	**24.9**	**16.4**	
1	Silver Valley	**0.6**	**37.4**	**1.7**	08-27-081-11 W6M
2	Bay Tree	**0.4**	**33.8**	**1.3**	13-16-078-13 W6M
3	Forth Creek	**0.5**	**45.8**	**1.2**	04-13-082-07 W6M
4	Gordondale	**0.6**	**42.2**	**1.9**	04-34-078-10 W6M
5	Boone Creek	**0.4**	**36.4**	**2.4**	01-23-076-11 W6M
7	Steeprock Creek	**0.3**	**37.2**	**1.5**	09-35-072-13 W6M
9	Spirit River	**0.4**	**36.4**	**2.0**	08-12-079-07 W6M
10	Woking	**0.8**	**40.0**	**1.3**	01-13-076-07 W6M
11	Webber Creek	**0.5**	**33.6**	**3.5**	09-36-074-09 W6M
12	Hythe	**0.4**	**32.4**	**3.0**	14-36-072-11 W6M
14	Sylvester	**0.3**	**33.3**	**1.5**	08-06-069-12 W6M
16	Beaverlodge	**0.6**	**38.6**	**4.8**	15-36-071-10 W6M
17	Poplar	**0.5**	**36.4**	**2.4**	13-06-073-08 W6M
18	Saddle Hills	**0.7**	**37.2**	**1.7**	04-25-074-07 W6M
19	Wanham	**0.6**	**46.1**	**1.8**	16-22-077-03 W6M

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

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
20	Shaftesbury	**0.3**	**33.4**	**1.2**	04-03-082-23 W5M
21	Eaglesham	**0.3**	**41.6**	**1.3**	16-21-079-25 W5M
23	Bear Lake	**0.5**	**40.6**	**2.8**	15-31-072-06 W6M
24	Wembley	**0.4**	**37.8**	**4.4**	12-31-070-08 W6M
25	Pinto Creek	**0.3**	**32.3**	**2.1**	04-24-069-11 W6M
26	Flyingshot	**0.3**	**35.2**	**5.4**	15-36-070-07 W6M
27	Grande Prairie I	**0.5**	**29.1**	**14.2**	08-15-071-06 W6M
28	Clairmont Lake	**0.8**	**40.7**	**3.1**	09-06-073-04 W6M
29	Smoky Heights	**0.8**	**42.4**	**2.6**	04-06-075-02 W6M
30	Fitzsimmons	**0.3**	**37.9**	**2.4**	15-36-072-03 W6M
32	Gold Creek	**0.7**	**27.3**	**3.4**	06-33-067-05 W6M
33	Wapiti	**0.3**	**33.3**	**3.6**	02-25-071-03 W6M
34	Puskwaskau	**0.2**	**35.2**	**1.4**	15-35-074-25 W5M
35	Jean Cote	**0.4**	**39.8**	**1.4**	12-35-079-21 W5M
36	Guy	**0.4**	**31.6**	**1.4**	03-04-076-22 W5M
37	Crooked Creek	**0.4**	**39.4**	**3.4**	16-01-071-26 W5M
38	Karr Creek	**0.3**	**40.0**	**1.4**	10-16-065-02 W6M
39	Clouston Creek	**0.4**	**31.6**	**2.2**	12-01-073-22 W5M
40	McLennan	**0.4**	**44.9**	**1.6**	03-29-077-19 W5M
41	Valleyview	**0.5**	**38.6**	**2.4**	09-30-069-22 W5M
42	Sunset House	**0.6**	**41.8**	**1.2**	05-32-070-19 W5M
43	High Prairie	**0.3**	**41.9**	**2.7**	16-13-074-17 W5M
44	Peavine	**0.3**	**34.1**	**0.9**	03-05-079-15 W5M
45	Gift Lake	**0.3**	**35.8**	**2.4**	10-07-079-12 W5M
46	Little Smoky	**0.4**	**26.8**	**7.6**	12-01-065-21 W5M
47	Kinuso	**0.2**	**32.6**	**2.3**	12-10-073-10 W5M
48	Deer Mountain	**0.3**	**41.0**	**1.7**	15-22-068-09 W5M
49	Grande Prairie HP	**0.4**	**24.1**	**17.0**	17-26-071-06 W6M

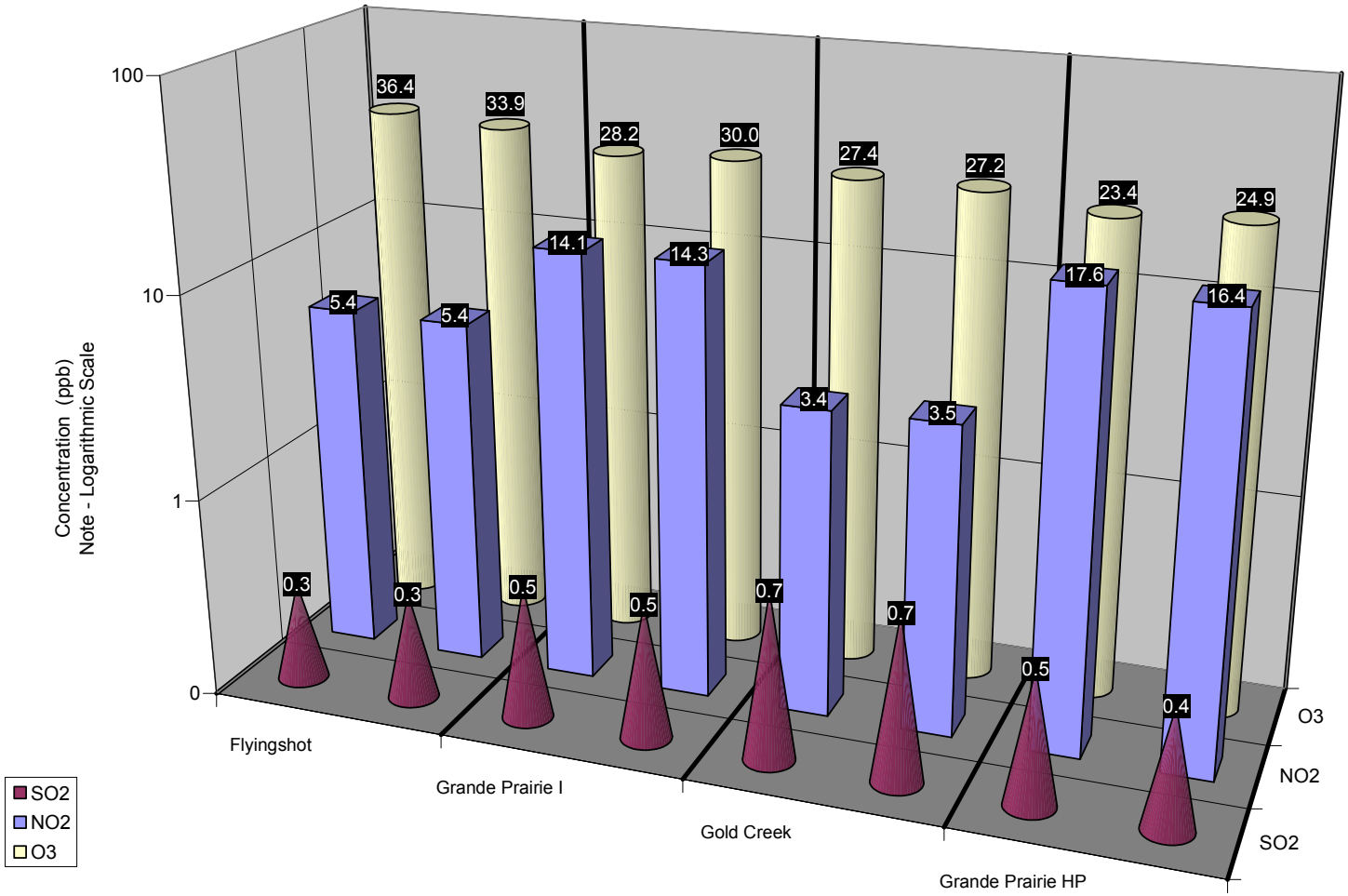


Figure 46. Duplicate Summary Chart

Table 2. Passive Summary Results for February 2006

Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2
	ppb	ppb	ppb
	Passive Summary for January 2006 (PASZA Zone)		
Mean	**0.4**	**36.7**	**3.0**
Standard Deviation	**0.2**	**5.0**	**3.1**
Minimum	**0.2**	**24.1**	**0.9**
	Puskwaskau (#34)	**Grande Prairie HP (#49)**	**Peavine (#44)**
Maximum	**0.8**	**46.1**	**17.0**
	Smoky Heights (#29)	**Wanham (#19)**	**Grande Prairie HP (#49)**

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

	SO_2	O_3	NO_2
AENV Beaverlodge station	**0.9**	**30.7**	**4.3**
PASZA Beaverlodge passive	**0.6**	**38.6**	**4.8**

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

	SO_2	O_3	NO_2
PASZA Henry Pirker station	**0.9**	**19.5**	**19.4**
PASZA Grande Prairie passive	**0.4**	**24.1**	**17.0**

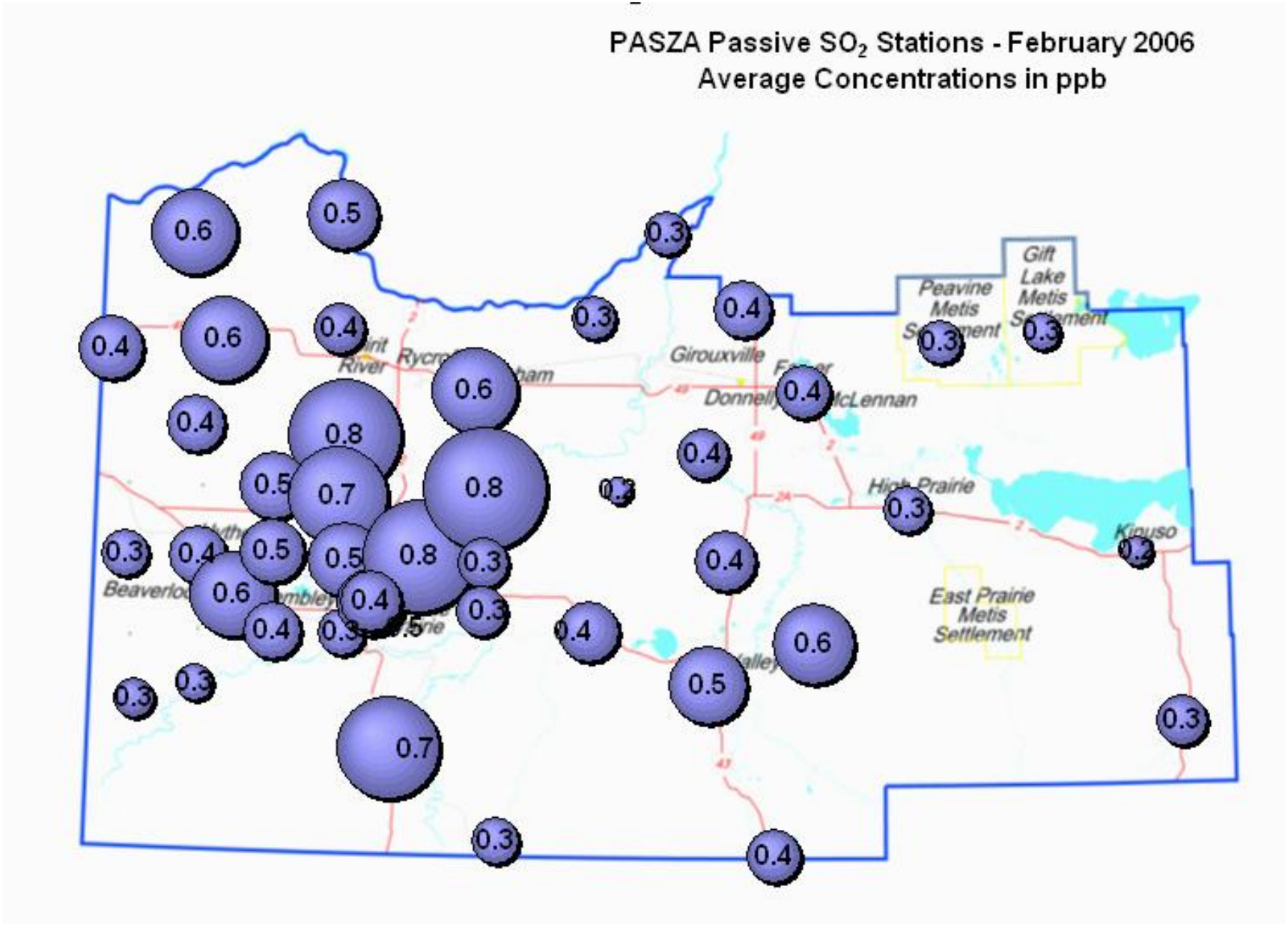


Figure 47. SO_2 Bubble Chart

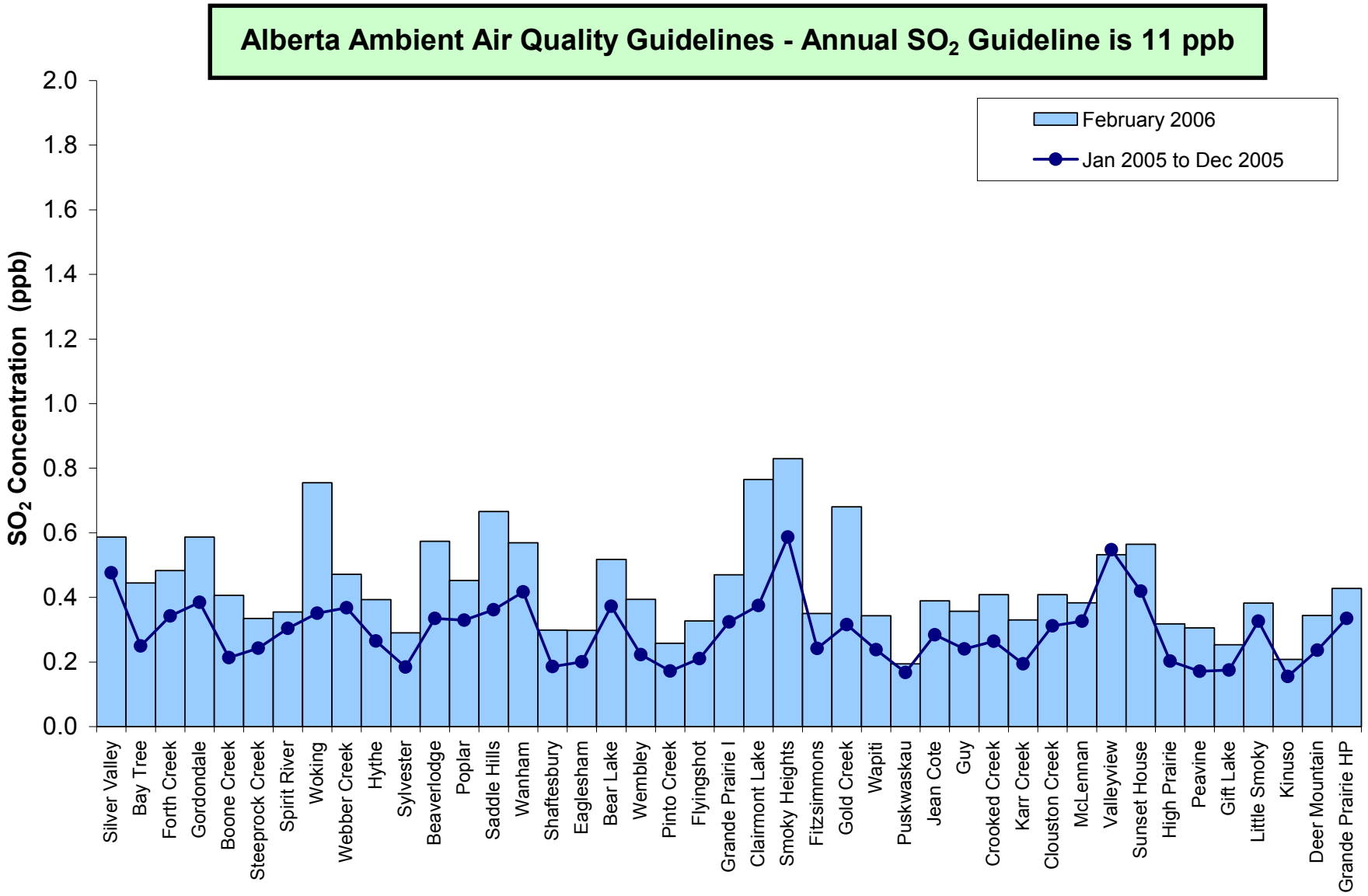


Figure 48. SO_2 Summary Chart

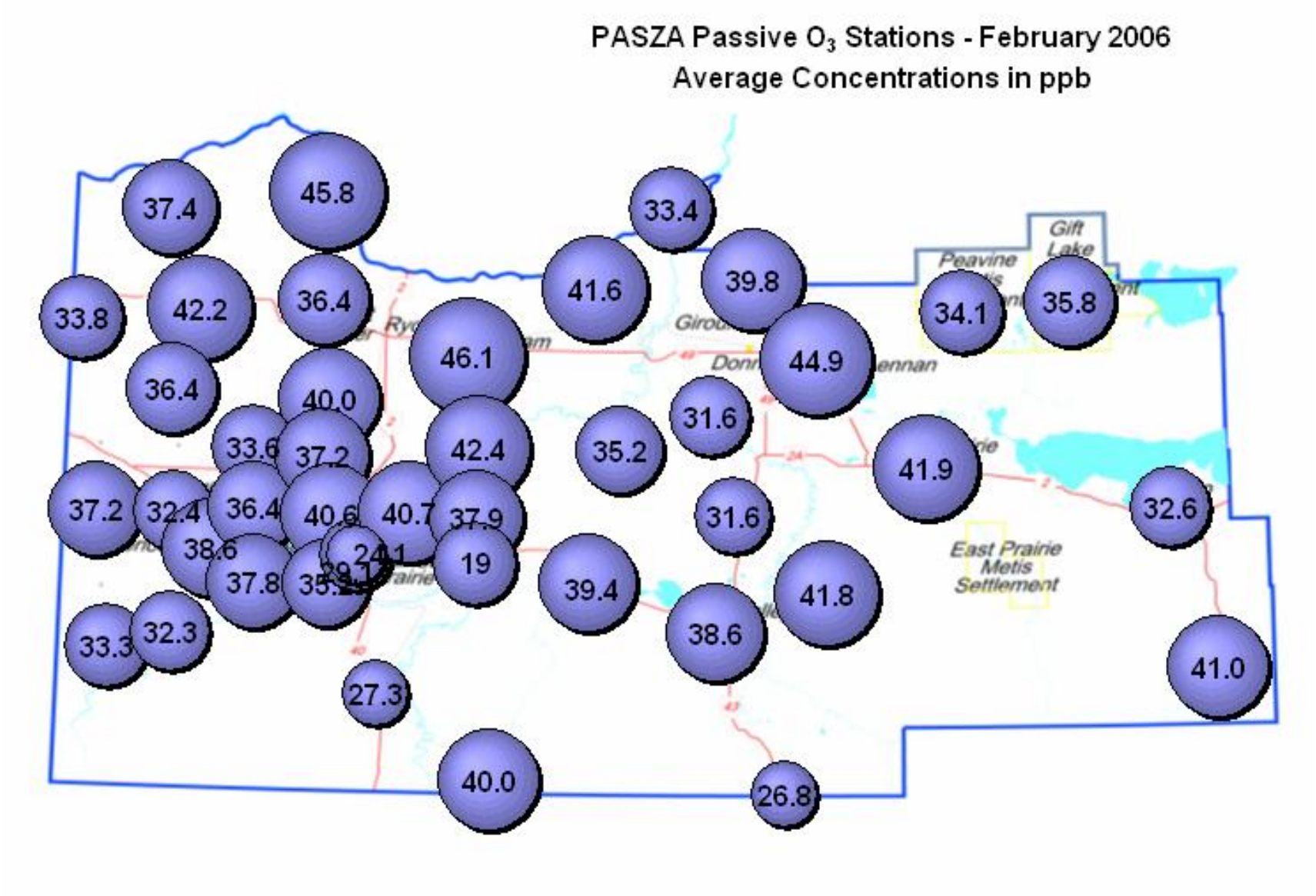


Figure 49. O_3 Bubble Chart

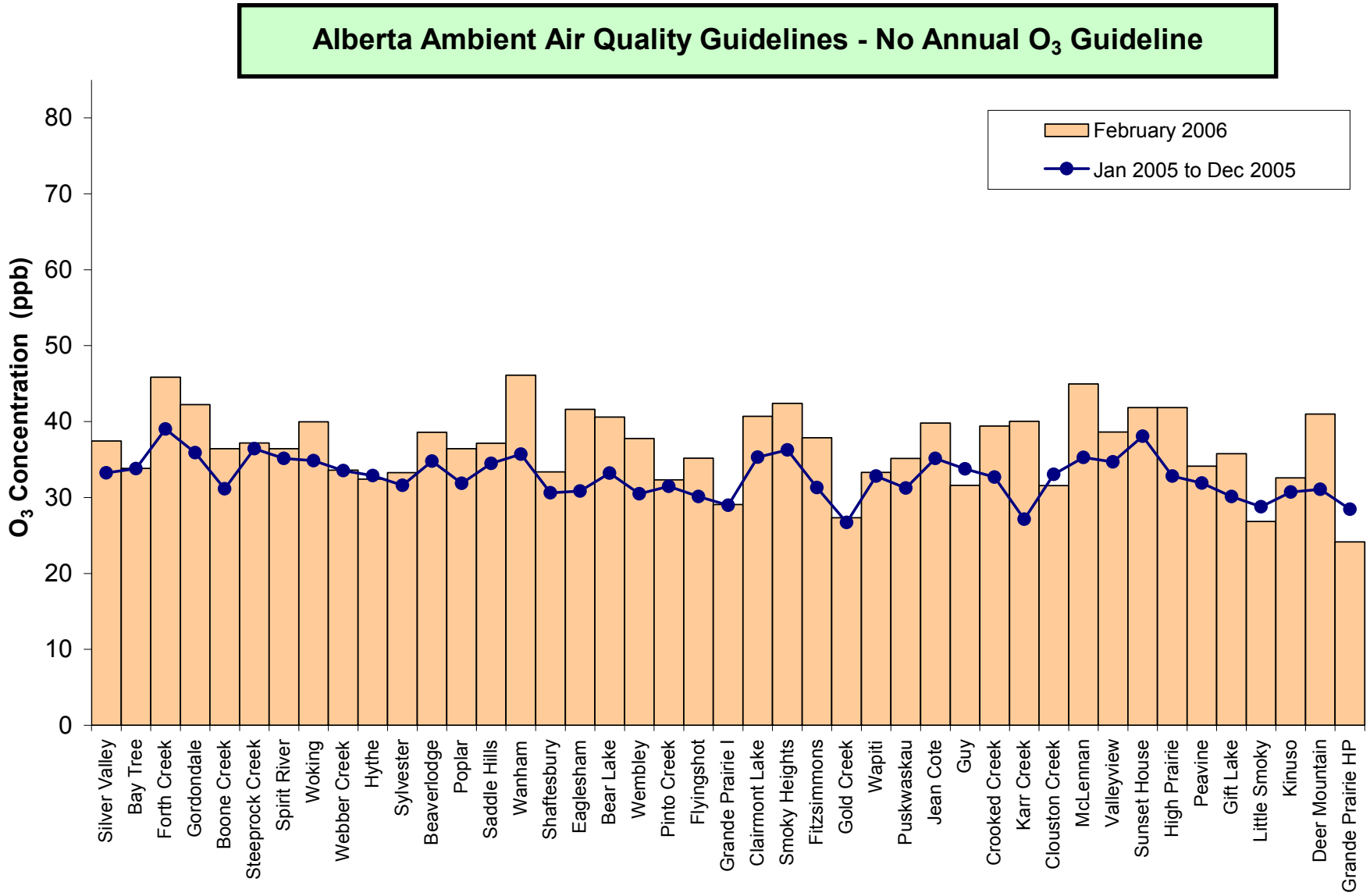


Figure 50. O_3 Summary Chart

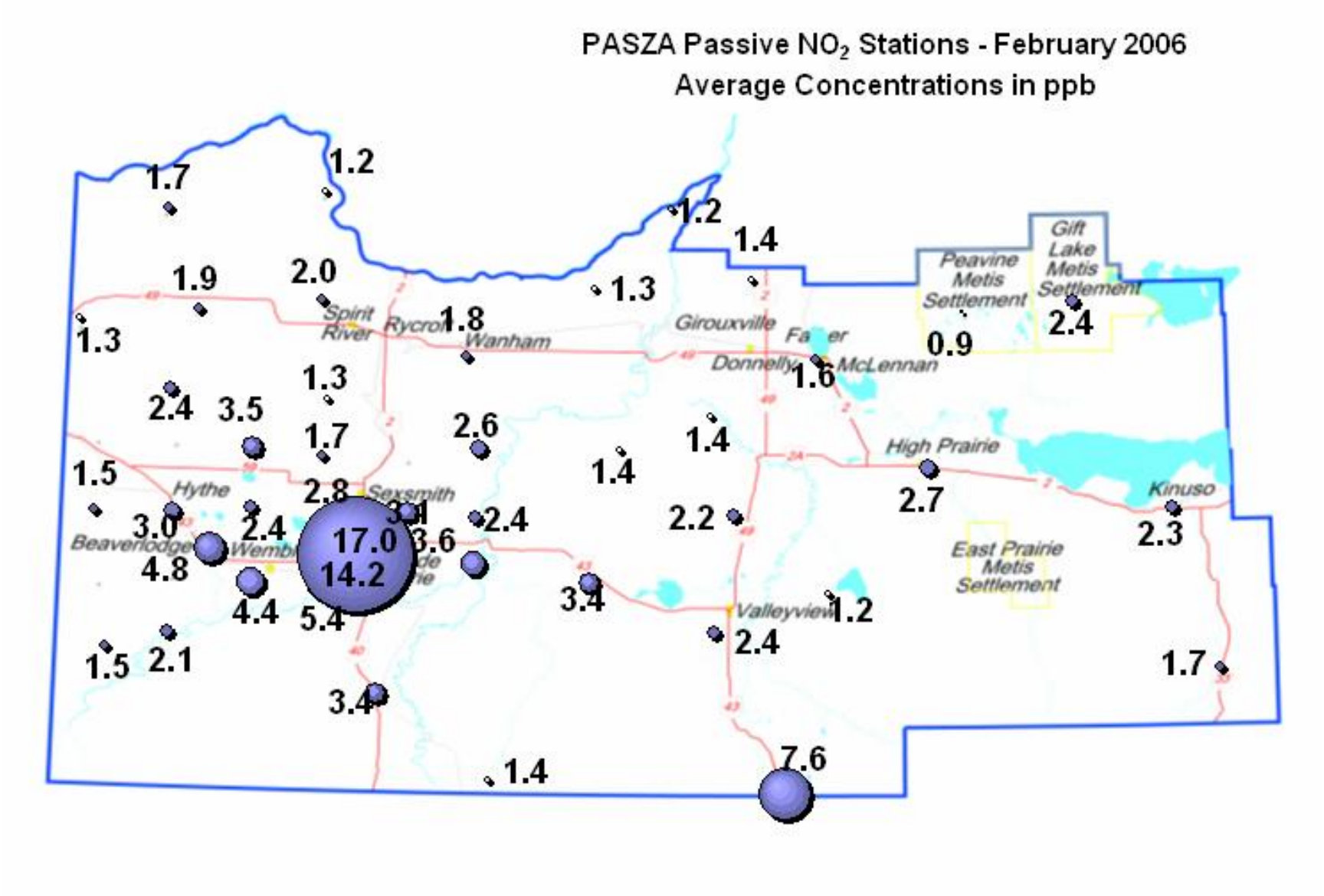


Figure 51. NO_2 Bubble Chart

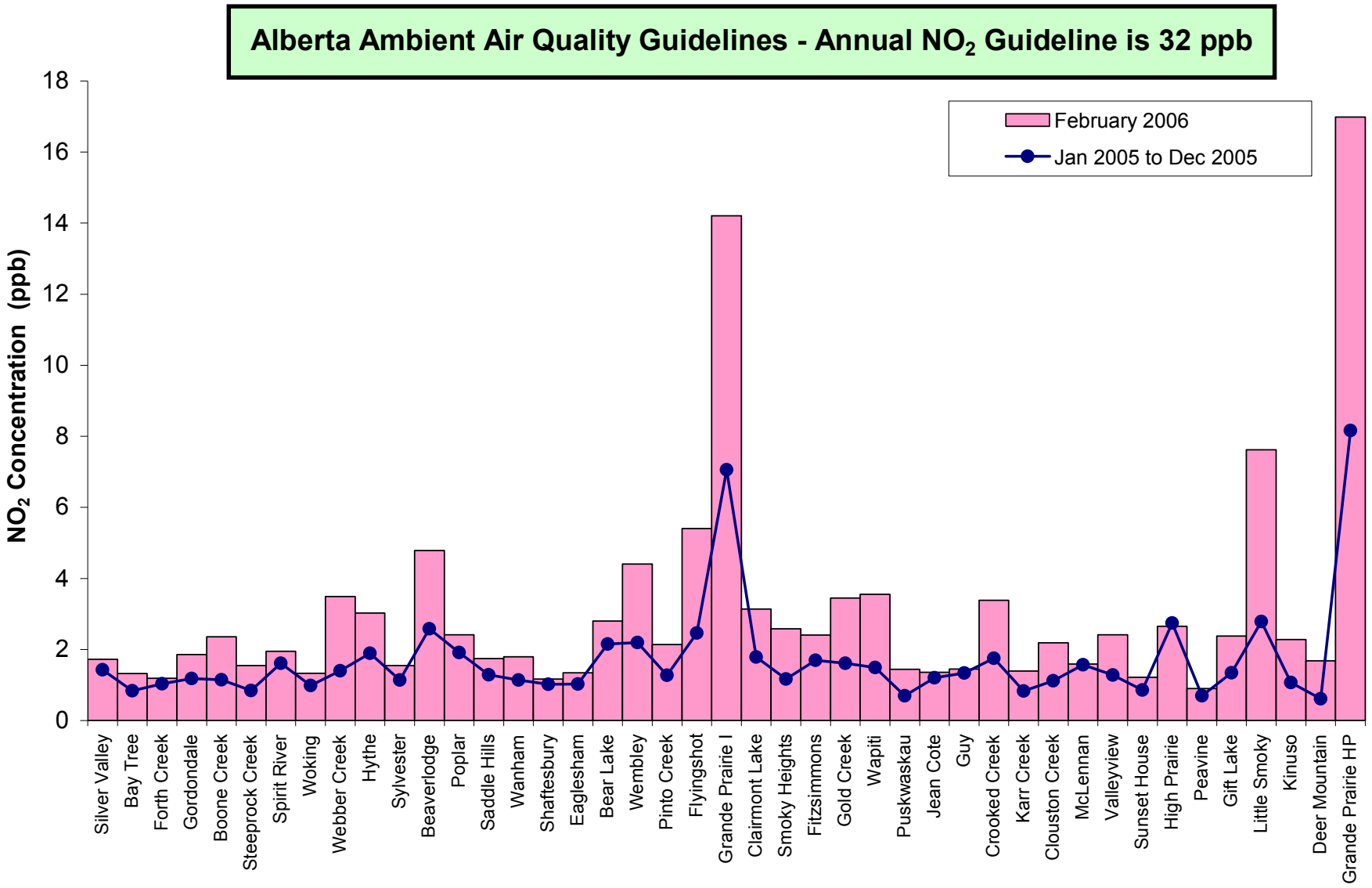


Figure 52. NO_2 Summary Chart

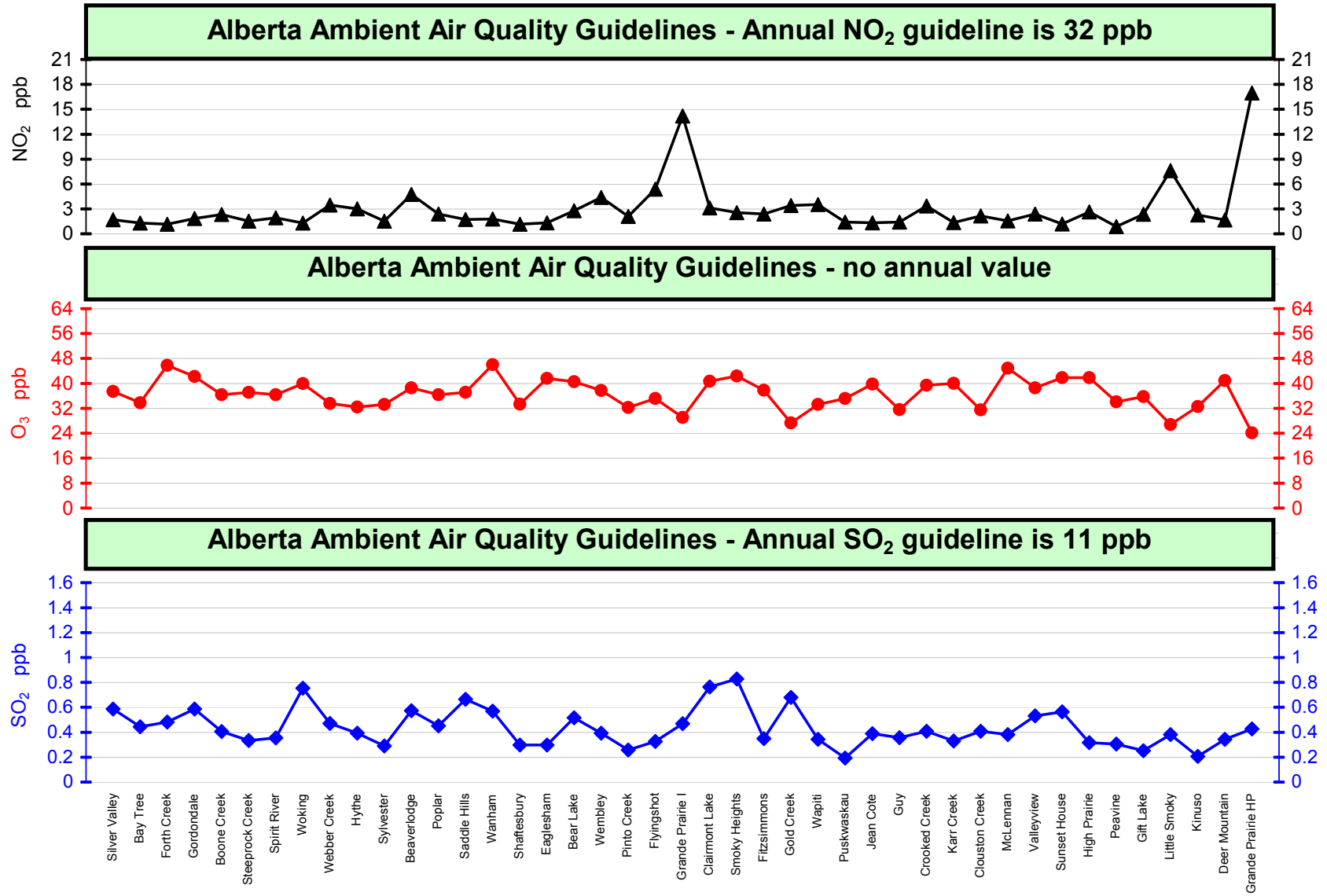


Figure 53. Overview Summary

February 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, $PM_{2.5}$

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 31, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	10:50	End Time (MST)	12:50
Barometric Pressure	27.8 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	2,097 ng/min	Perm-tube Expiry Date	
Correction factor	0.943980	Perm-tube Cert #	19-9955
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.998011	Calculated slope	1.004364
Calculated intercept	-0.257885	Calculated intercept	0.260531
Analyzer make	TEI Model 43A	Analyzer serial #	43A-21120-195

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 zero pot	174		167	
SO2 span pot	210		210	
UV Lamp voltage	950	V	948	V
Vacuum	17	" Hg	17	" Hg
Sample Flow	415	ccm	420	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	2076.8	0.0	0.2	N/A
2200	2076.8	385.4	383.7	1.0044
4010	3785.4	211.5	210.0	1.0069
9000	8495.8	94.2	93.1	1.0115
zero	2076.8	0.0	-0.5	As Found Zero
2200	2076.8	385.4	376.1	As Found Span
			Average Correction Factor	1.0076

Calculated value of As Found Response: 375.643 ppm Percent Change of As Found: 2.5%

	before calibration		after calibration	
Auto zero	-1.0	ppm	0.5	ppm
Auto span	341.2	ppm	342.8	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

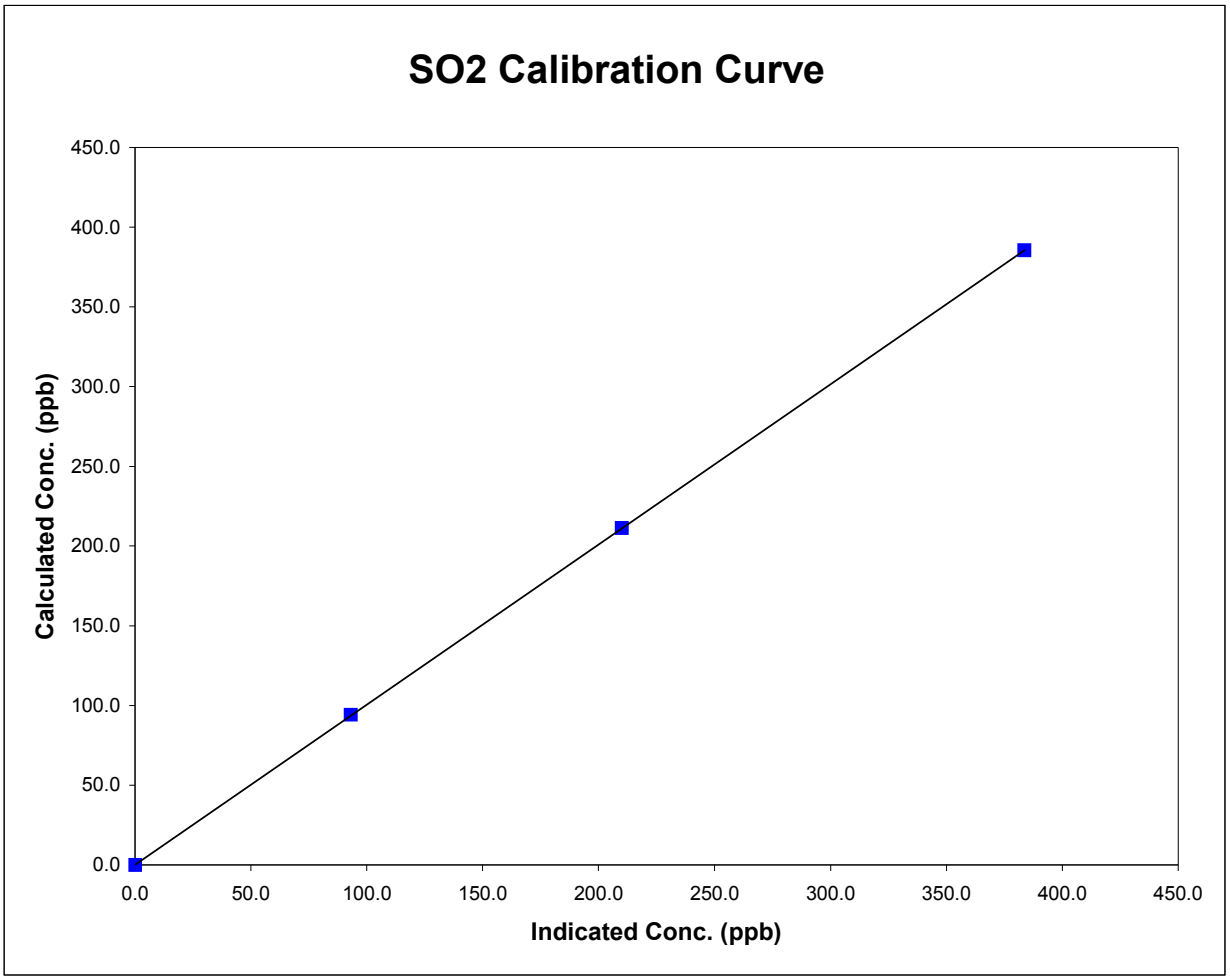
Air Monitoring Network **PASZA**

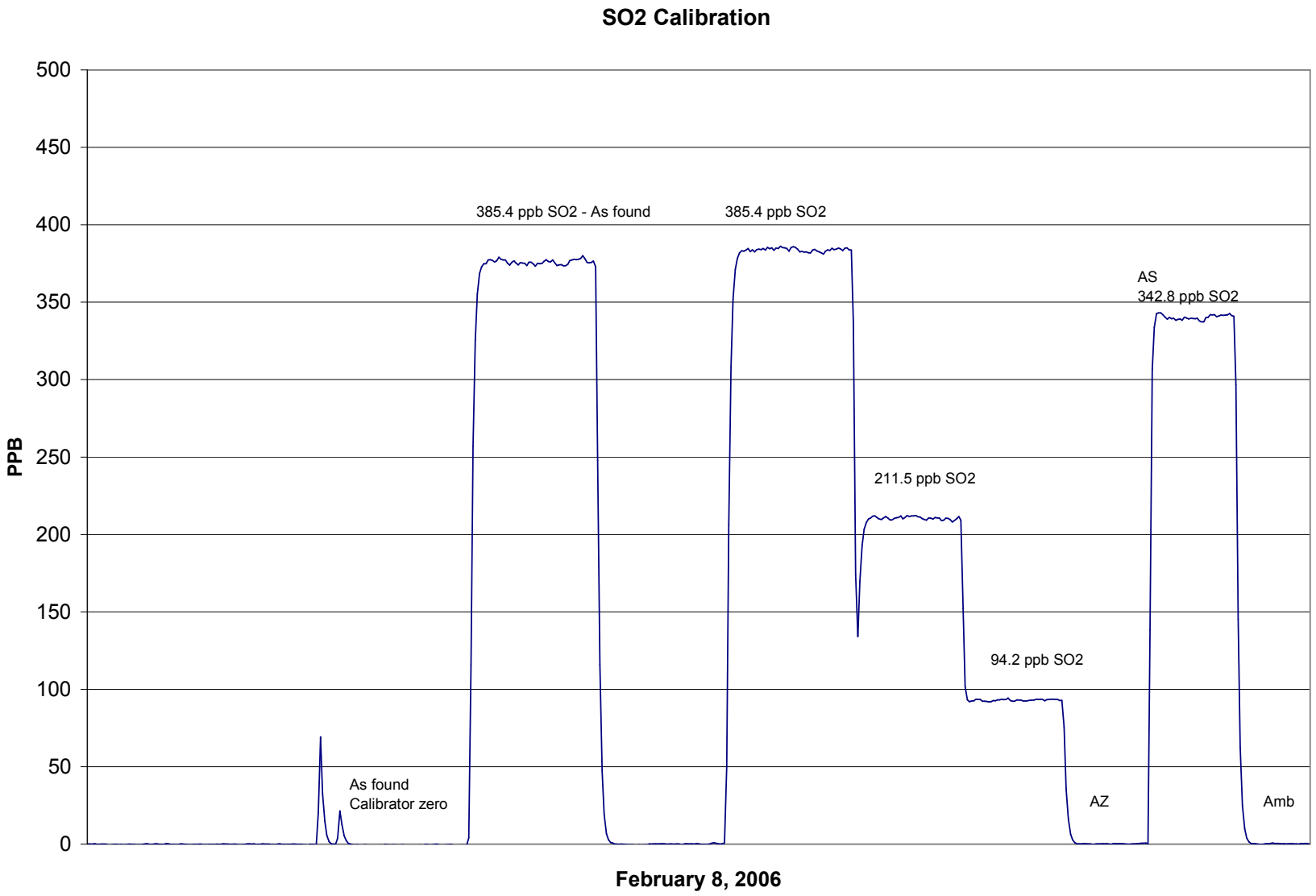
Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 31, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:50	End Time (MST)	12:50
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	0.2	N/A		
385.4	383.7	1.0044	Correlation Coefficient	0.999994
211.5	210.0	1.0069		
94.2	93.1	1.0115	Slope	1.004364
			Intercept	0.260531




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
PPB
385.4 ppb SO2 - As found
385.4 ppb SO2
211.5 ppb SO2
94.2 ppb SO2
AS
342.8 ppb SO2
As found
Calibrator zero
AZ
Amb
February 8, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 16, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: **Routine** Installation Removal Other:

Start Time (MST)	9:58		End Time (MST)	14:45	
Barometric Pressure	0.931	Atm	Station Temperature	20.0	Deg C
Calibrator	Environics 6100		Serial Number	3474	
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	1.002821	1.001121	0.998331
	Data Offset	-0.369748	0.048967	0.346388
After	Data Slope	1.003137	1.003515	0.995877
	Data Offset	-0.550312	1.380005	3.180047
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	7.7	ppb	8.2	mV
NOx background	7.9	ppb	8.2	mV
NO coefficient	0.901		0.961	
NOx coefficient	0.965		0.931	
Chamber Temp	49.8	Deg C	49.8	Deg C
Cooler Temp	-2.4	Deg C	-2.4	Deg C
Converter Temp	318.0	Deg C	317.0	Deg C
Vacuum	186.6	mm Hg	192.3	mm Hg

Notes: Adjusted span

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: February 6, 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	0.5	0.5	0.1	N/A	N/A
1	4992	39.88	400.2	398.7	1.6	399.1	399.8	-0.7	1.0028	0.9970
2	4992	19.91	200.6	199.8	0.8	195.4	192.5	3.0	1.0269	1.0382
3	4992	9.50	95.9	95.5	0.4	93.8	91.3	2.6	1.0222	1.0466
AFZ	4992	0.00	0.0	0.0	0.0	0.5	0.5	0.1	0.0000	0.0000
AFS	4992	39.88	400.2	398.7	1.6	386.2	368.5	17.9	1.0363	1.0817
							Average Correction Factor		1.0173	1.0273

As Found Concentrations: NO_X= 385.7 NO= 368.4 As Found Percent Change NO_X= -3.6% NO= -7.6%

GPT Calibration Data

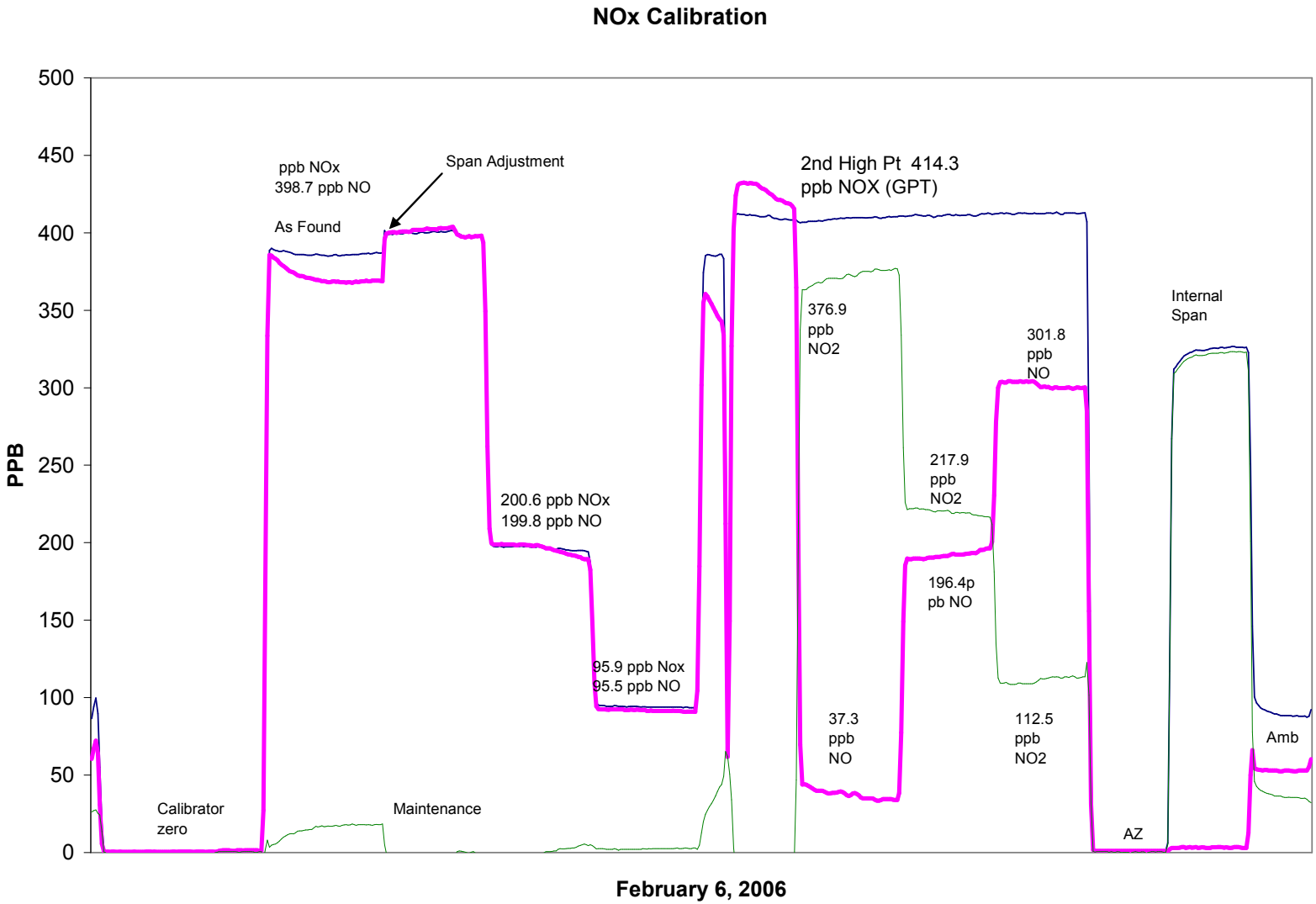
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

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	414.3	424.1	-9.8	409.4	422.7	-10.9	1.0118	1.0034	N/A	N/A
300	414.3	37.3	376.9	410.0	34.3	376.0	1.0103	1.0886	1.0026	99.7%
200	414.3	196.4	217.9	411.7	194.0	218.0	1.0063	1.0123	0.9992	100.1%
100	414.3	301.8	112.5	412.6	299.9	113.2	1.0040	1.0065	0.9936	100.6%
					Average Correction Factor		1.0069	1.0358	0.9985	100.2%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.4	1.4	1.0	ppb	1.1	0.9	1.3	ppb
Auto span	87.2	88.0	0.5	ppb	328.5	323.3	6.5	ppb

Calibration Performed By: Dawn Ewan


NOx Calibration
PPB
500
450
400
350
300
250
200
150
100
50
0
ppb NOx
398.7 ppb NO
As Found
Span Adjustment
2nd High Pt 414.3
ppb NOX (GPT)
376.9
ppb
NO2
301.8
ppb
NO
217.9
ppb
NO2
196.4p
pb NO
200.6 ppb NOx
199.8 ppb NO
95.9 ppb Nox
95.5 ppb NO
37.3
ppb
NO
112.5
ppb
NO2
Internal
Span
Amb
Calibrator
zero
Maintenance
AZ
February 6, 2006

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **NO_2**

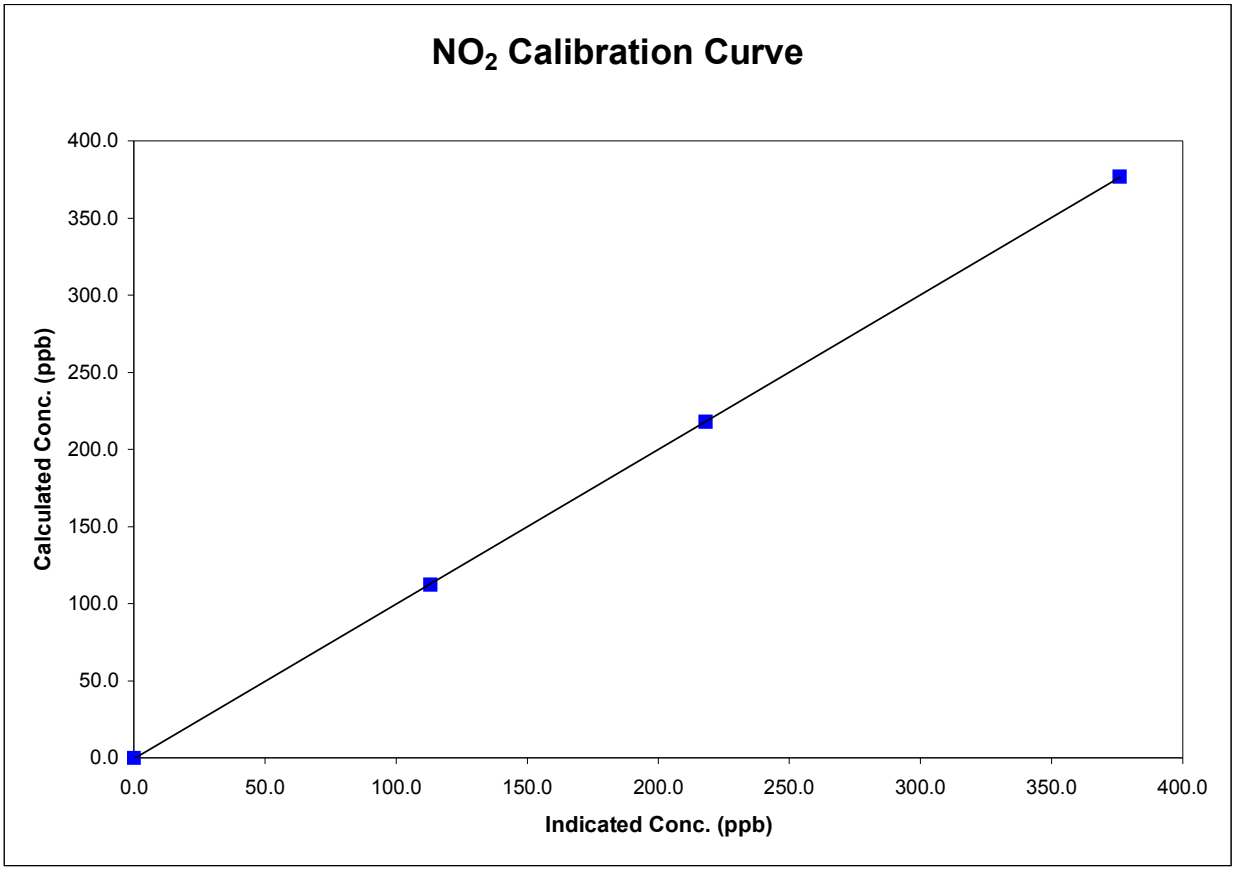
Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 16, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:58	End Time (MST)	14:45
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		
376.9	376.0	1.0026	Correlation Coefficient	0.999991
217.9	218.0	0.9992		
112.5	113.2	0.9936	Slope	1.003137
			Intercept	-0.550312



Calibration Summary

FOCUS AIR QUALITY MONITORING

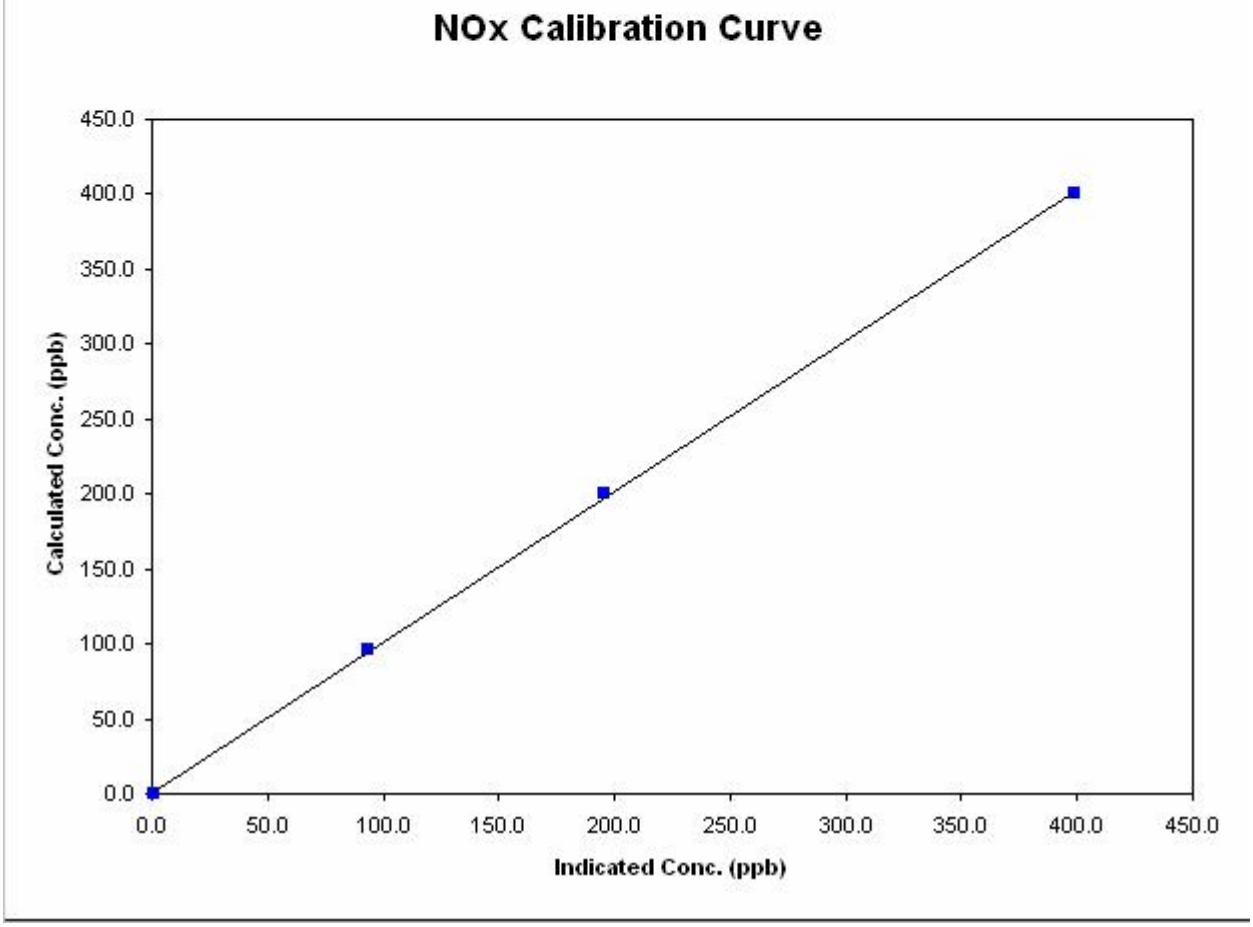
Parameter	NO_x
Air Monitoring Network	PASZA

Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 16, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:58	End Time (MST)	14:45
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	0.5	0.0000		
400.2	399.1	1.0028	Correlation Coefficient	0.999811
200.6	195.4	1.0269		
95.9	93.8	1.0222	Slope	1.003515
			Intercept	1.380005



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

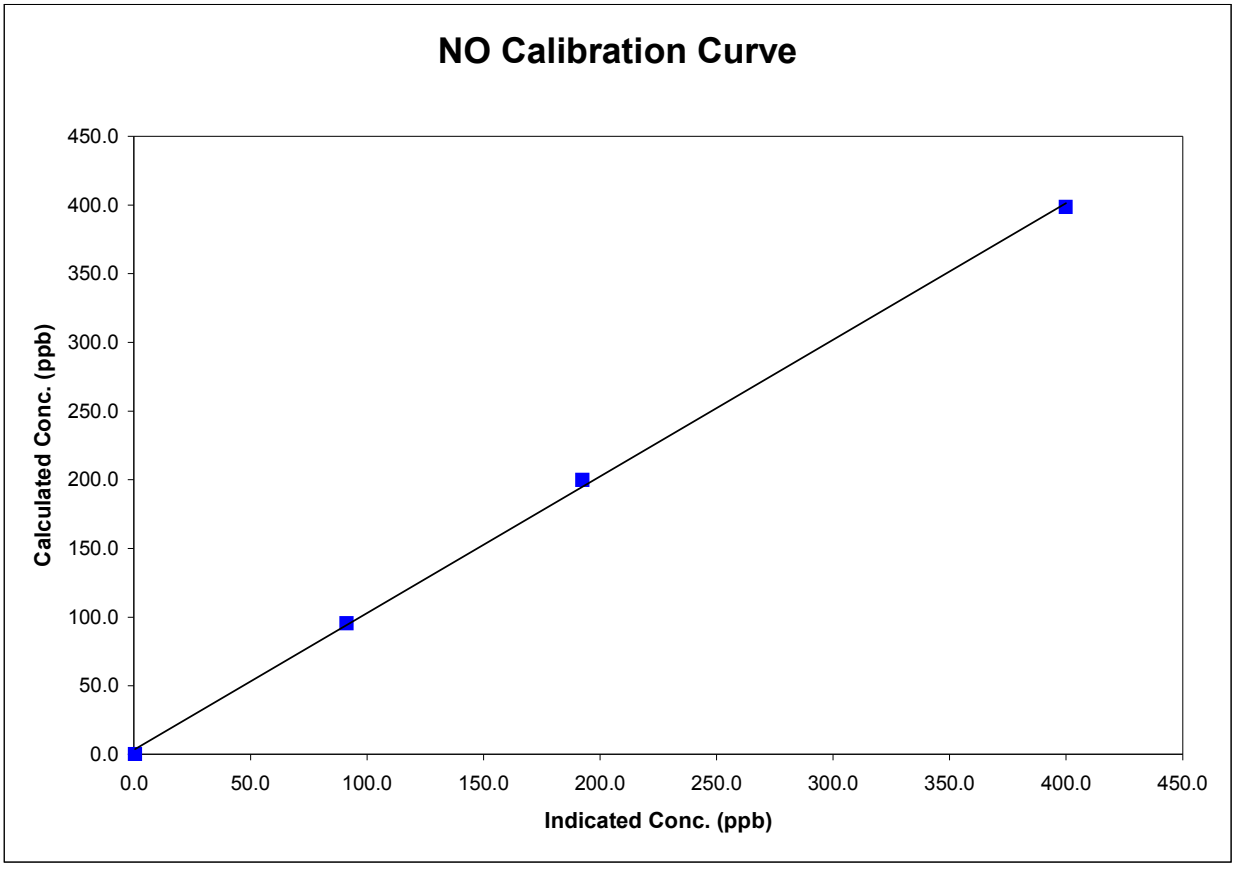
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 16, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	9:58	End Time (MST)	14:45
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	0.5	N/A		
398.7	399.8	0.9970	Correlation Coefficient	0.999455
199.8	192.5	1.0382		
95.5	91.3	1.0466	Slope	0.995877
			Intercept	3.180047



Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 17, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	14:04	End Time (MST)	12:30
Barometric Pressure	0.931 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3016
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	1.010721	Calculated slope	1.004532
Calculated intercept	-0.805358	Calculated intercept	-7.978429
Analyzer make	API Model 400	Analyzer serial #	383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	0.3	ppb	0.3	ppb
slope	1.121		1.121	
Lamp measure	4311	mV	4311	mV
Lamp Reference	4311	mV	4311	mV
Pressure	26.9	inches Hg	26.9	inches Hg
Sample Flow	641	ccm	641	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)
4993	0.00	0.0	0.2	N/A
4993	0.00	376.9	377.0	0.9996
4993	0.00	217.9	230.0	0.9474
4993	0.00	112.5	128.6	0.8746
4993	0.00	0.0	1.7	As found zero
4993	0.00	376.9	378.3	As found span
			Average Correction Factor	0.9405

Calculated value of As Found Response: 379.9 ppm Percent Change of As Found: 0.8%

	before calibration		after calibration	
Auto zero	-1.4	ppb	-8.4	ppb
Auto span	267.1	ppb	253.1	ppb

Notes: Adjusted span and zero

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **O3**

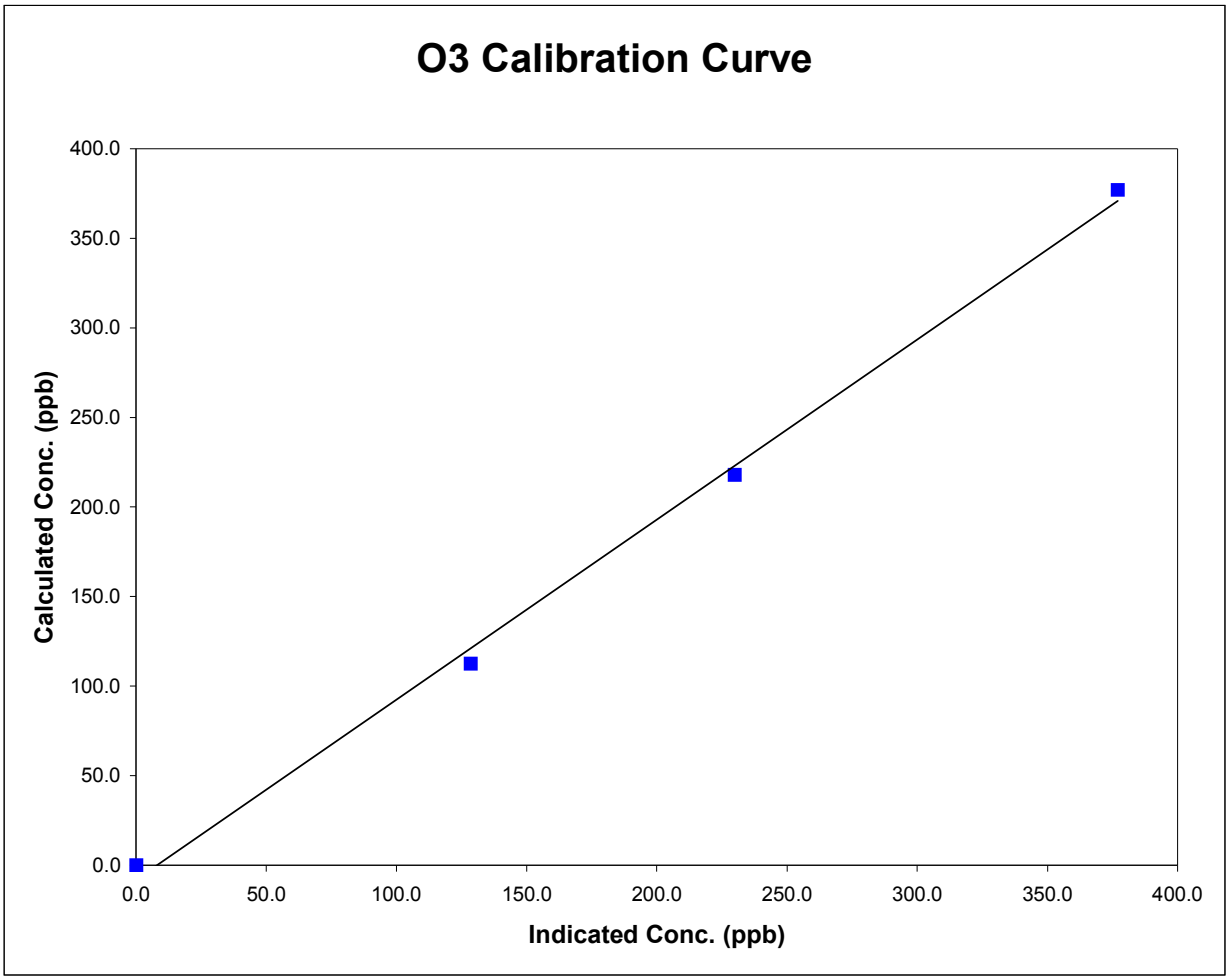
Air Monitoring Network **PASZA**

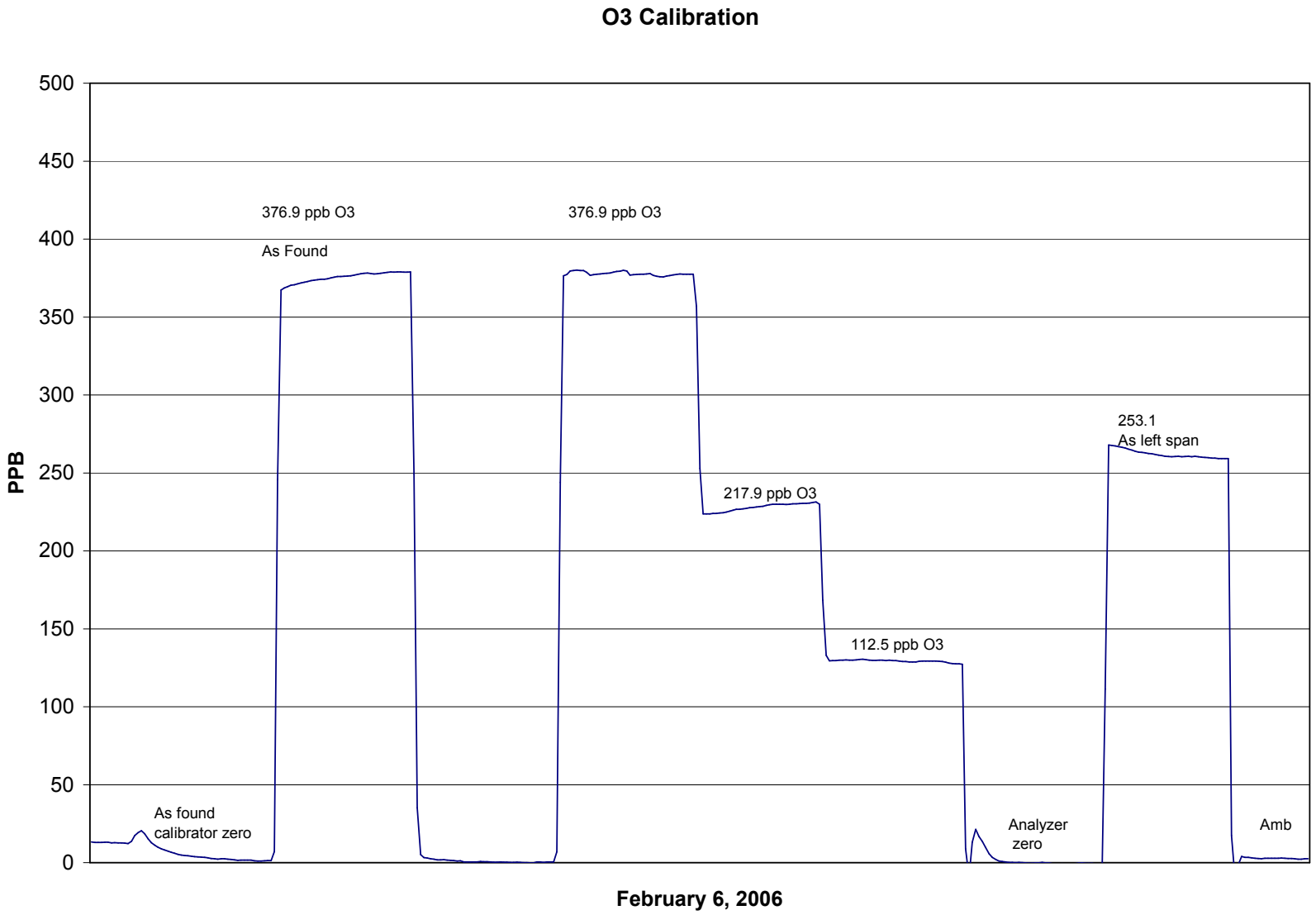
Station Information

Calibration Date	February 6, 2006	Previous Calibration	January 17, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	14:04	End Time (MST)	12:30
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	0.2	NA		
376.9	377.0	0.9996	Correlation Coefficient	0.997396
217.9	230.0	0.9474		
112.5	128.6	0.8746	Slope	1.004532
			Intercept	-7.978429




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
PPB
376.9 ppb O3
As Found
376.9 ppb O3
217.9 ppb O3
112.5 ppb O3
253.1
As left span
As found
calibrator zero
Analyzer
zero
Amb
February 6, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 24, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	11:15	End Time (MST)	14:30
Barometric Pressure	0.938 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3016
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	0.994063	Calculated slope	0.995473
Calculated intercept	2.610720	Calculated intercept	1.343630
Analyzer make	API Model 400	Analyzer serial #	383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	0.1	ppb	1.1	ppb
slope	1.098		1.023	
Lamp measure	4219	mV	4138	mV
Lamp Reference	4223	mV	4144	mV
Pressure	27.6	inches Hg	27.9	inches Hg
Sample Flow	636	ccm	711	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)
4993	0.00	0.0	0.0	N/A
4993	0.00	349.9	352.6	0.9924
4993	0.00	212.4	207.5	1.0234
4993	0.00	109.4	109.2	1.0019
4993	0.00	0.0	2.9	As found zero
4993	0.00	349.9	384.7	As found span
			Average Correction Factor	1.0059

Calculated value of As Found Response: 382.1 ppm Percent Change of As Found: 9.2%

	before calibration		after calibration	
Auto zero	-1.4	ppb	0.2	ppb
Auto span	267.1	ppb	253.3	ppb

Notes: Adjusted span and zero

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

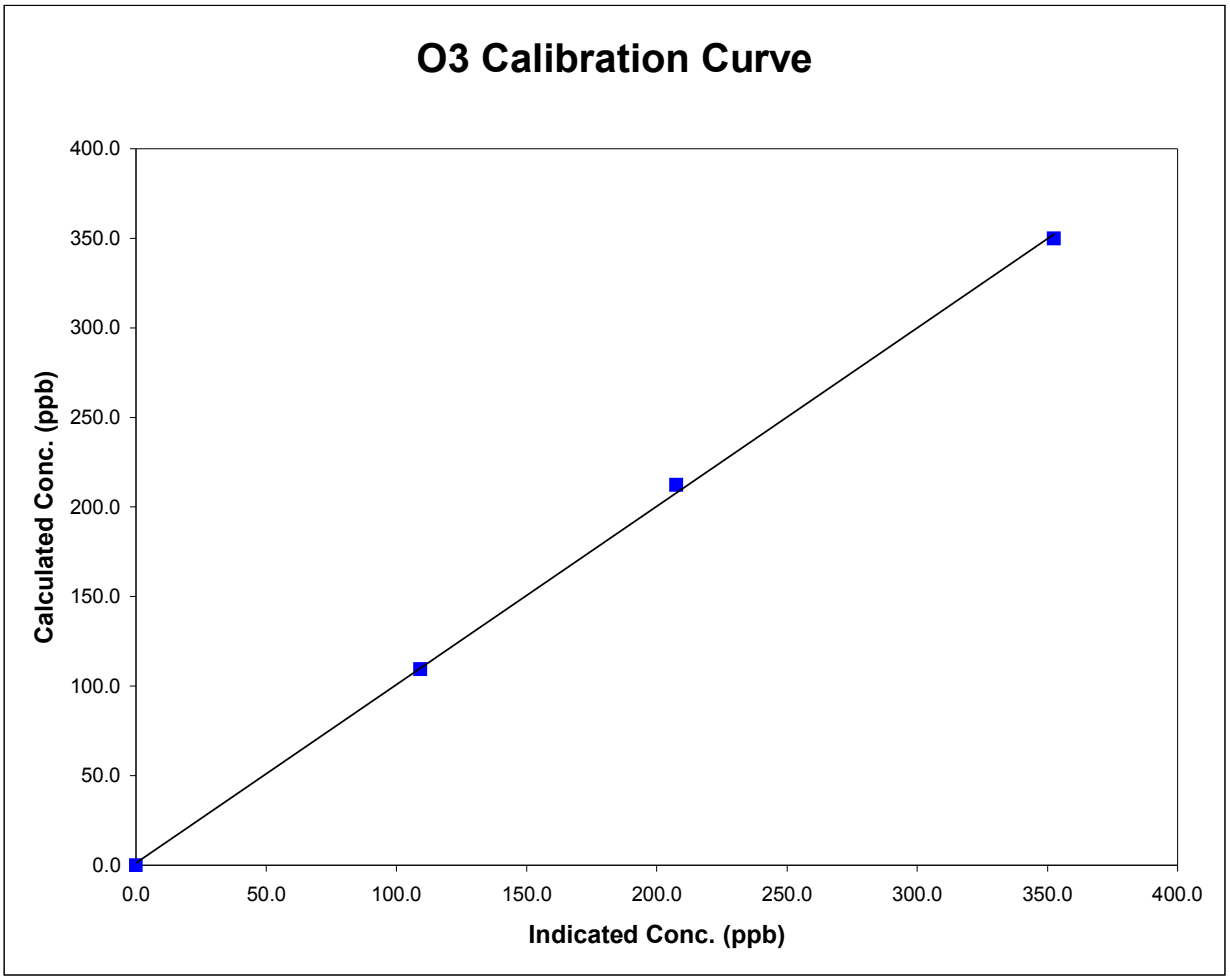
FOCUS AIR QUALITY MONITORING

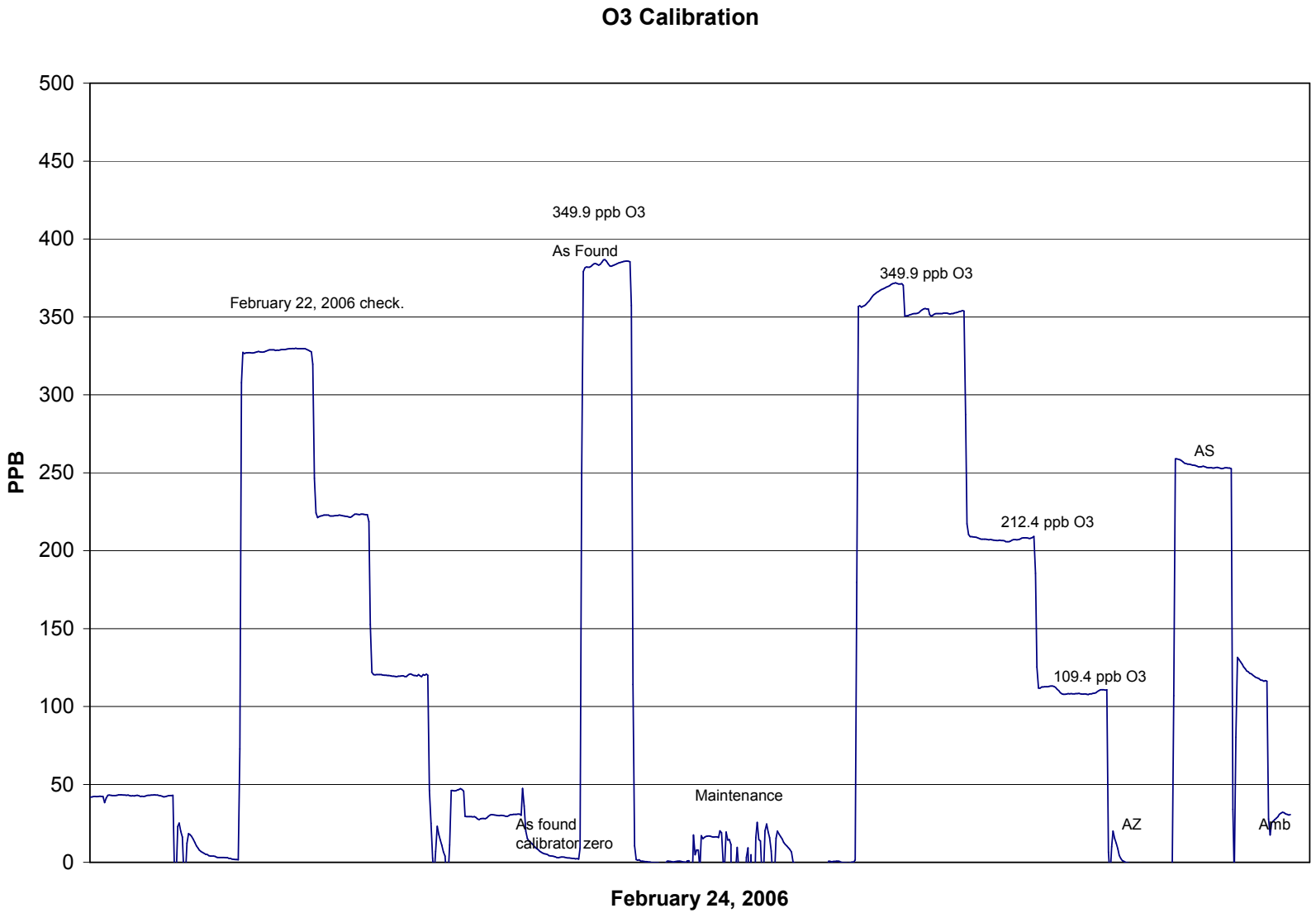
Station Information

Calibration Date	February 24, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:15	End Time (MST)	14:30
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	0.0	NA		
349.9	352.6	0.9924	Correlation Coefficient	0.999581
212.4	207.5	1.0234		
109.4	109.2	1.0019	Slope	0.995473
			Intercept	1.343630




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
PPB
February 22, 2006 check.
349.9 ppb O3
As Found
As found
calibrator zero
Maintenance
349.9 ppb O3
212.4 ppb O3
109.4 ppb O3
AZ
AS
Amb
February 24, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **CO**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 17, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:48	End Time (MST)	12:50
Barometric Pressure	0.928 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
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	0.999068	Calculated slope	1.004121
Calculated intercept	0.122904	Calculated intercept	0.067593
Analyzer make	TEI Model 48C	Analyzer serial #	508011062

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.018		1.042	
CO zero setting	3.441		4.555	
Sample pressure	687.5	mm Hg	690.9	mm Hg
Sample Flow	1.078	LPM	1.081	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)
4992	0.00	0.00	0.02	N/A
4992	39.88	23.78	23.70	1.0031
4992	19.91	11.92	11.60	1.0271
4992	9.50	5.70	5.63	1.0124
4992	0.00	0.00	-0.13	As Found Zero
4992	39.88	23.78	23.91	As Found Span
			Average Correction Factor	1.0142

Calculated value of As Found Response: 24.140 ppm Percent Change of As Found: -1.5%

	before calibration		after calibration	
Auto zero	-0.26	ppm	0.10	ppm
Auto span	20.46	ppm	19.54	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **CO**

Air Monitoring Network **PASZA**

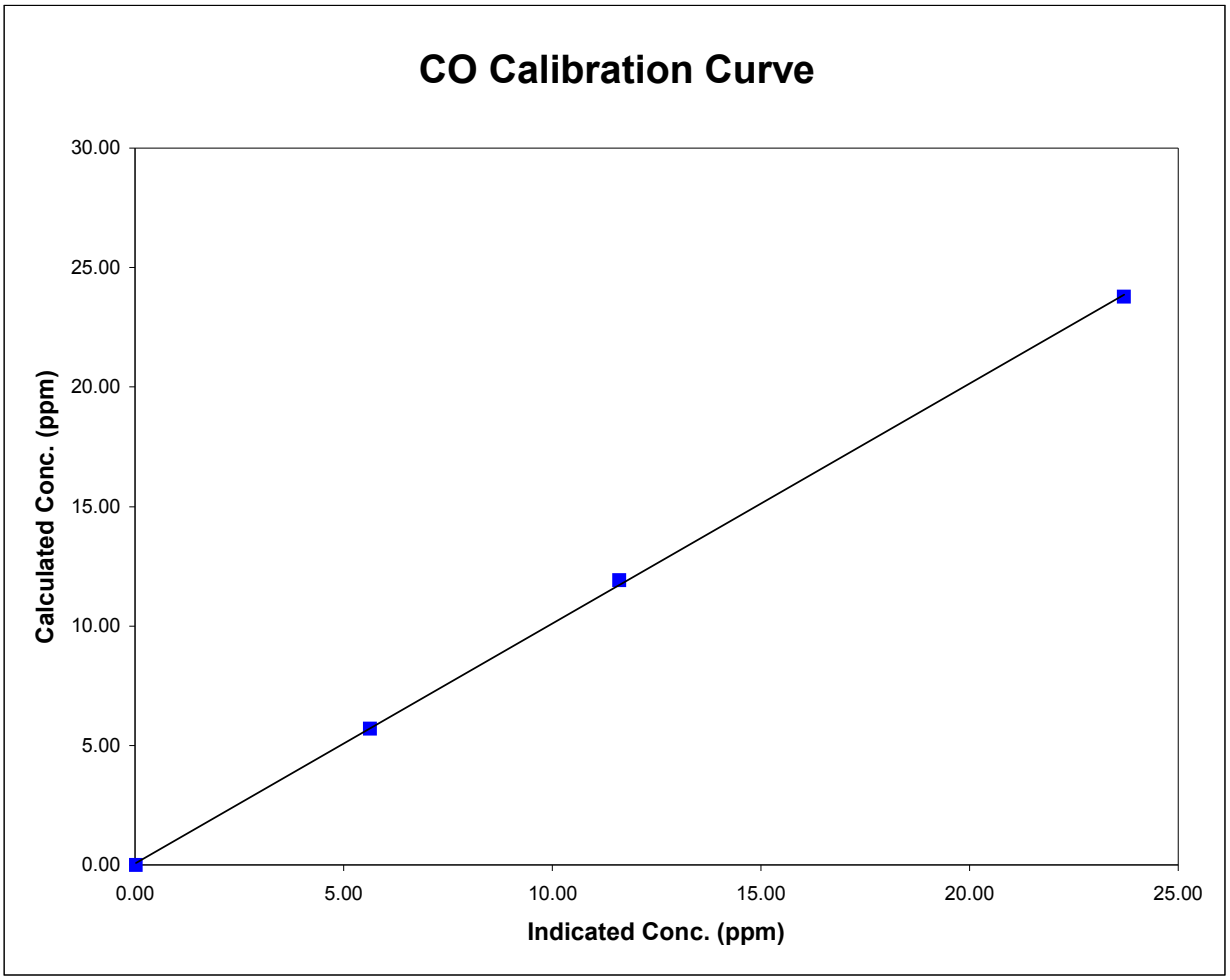
FOCUS AIR QUALITY MONITORING

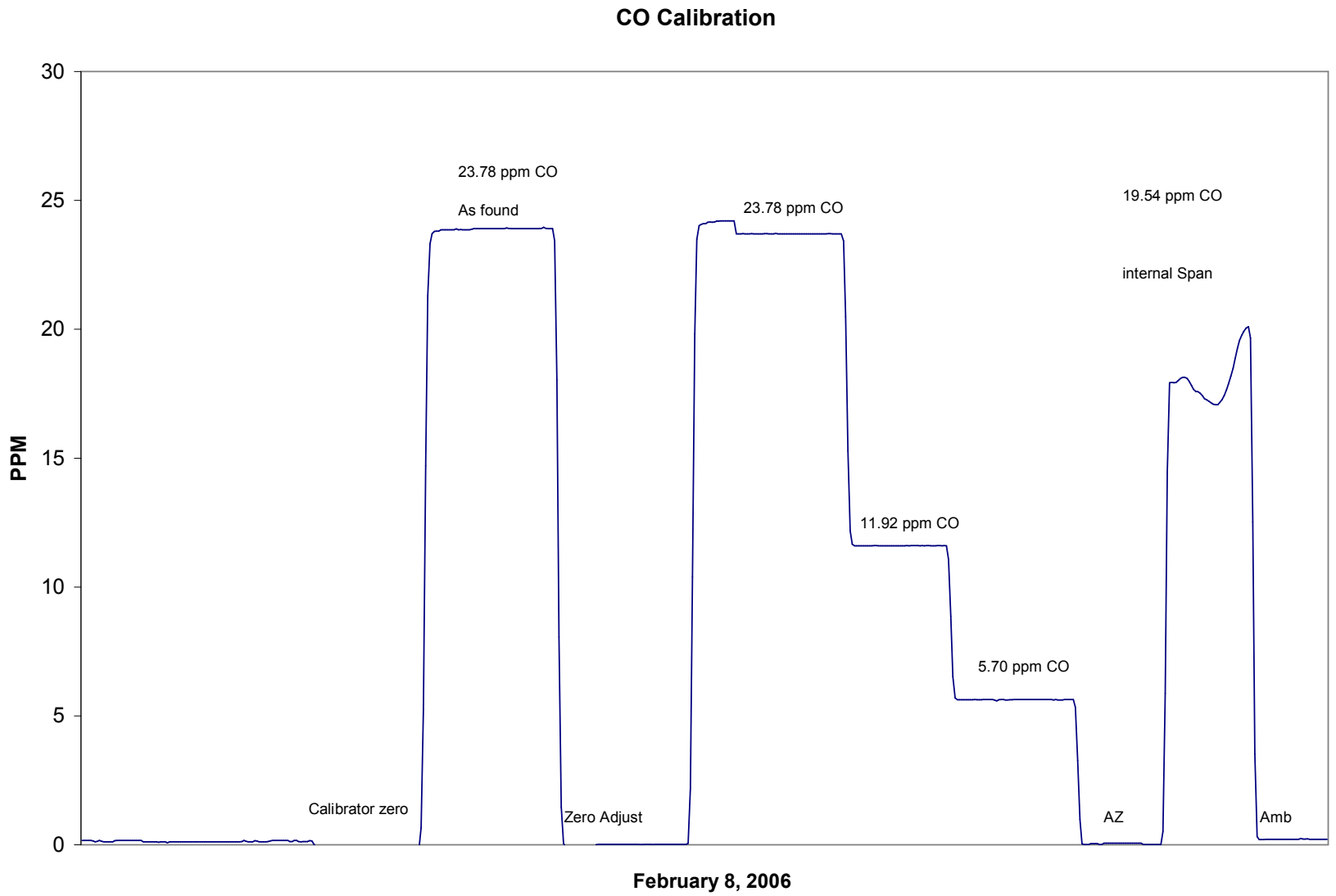
Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 17, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:48	End Time (MST)	12:50
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	0.018	N/A		
23.776	23.704	1.0031	Correlation Coefficient	0.999820
11.918	11.603	1.0271		
5.698	5.629	1.0124	Slope	1.004121
			Intercept	0.067593




CO Calibration
30
25
20
15
10
5
0
PPM
23.78 ppm CO
As found
23.78 ppm CO
19.54 ppm CO
internal Span
11.92 ppm CO
5.70 ppm CO
Calibrator zero
Zero Adjust
AZ
Amb
February 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **THC**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 23, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	12:50	End Time (MST)	15:25
Barometric Pressure	0.928 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
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	0.995720	Calculated slope	0.999142
Calculated intercept	0.024122	Calculated intercept	0.002270
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	7133	capture	7109	capture
THC zero counts	1437	capture	1559	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	0.01	N/A
4992	64.83	19.52	19.57	0.9972
4992	34.89	10.57	10.49	1.0073
4992	9.50	2.89	2.92	0.9911
4992	0.00	0.00	0.13	As Found Zero
4992	64.83	19.52	19.79	As Found Span
			Average Correction Factor	0.9985

Calculated value of As Found Response: 19.601 ppm Percent Change of As Found: -0.4%

	before calibration		after calibration	
Auto zero	0.24	ppm	0.01	ppm
Auto span	22.65	ppm	22.79	ppm

Notes: Adjusted zero and span.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **THC**

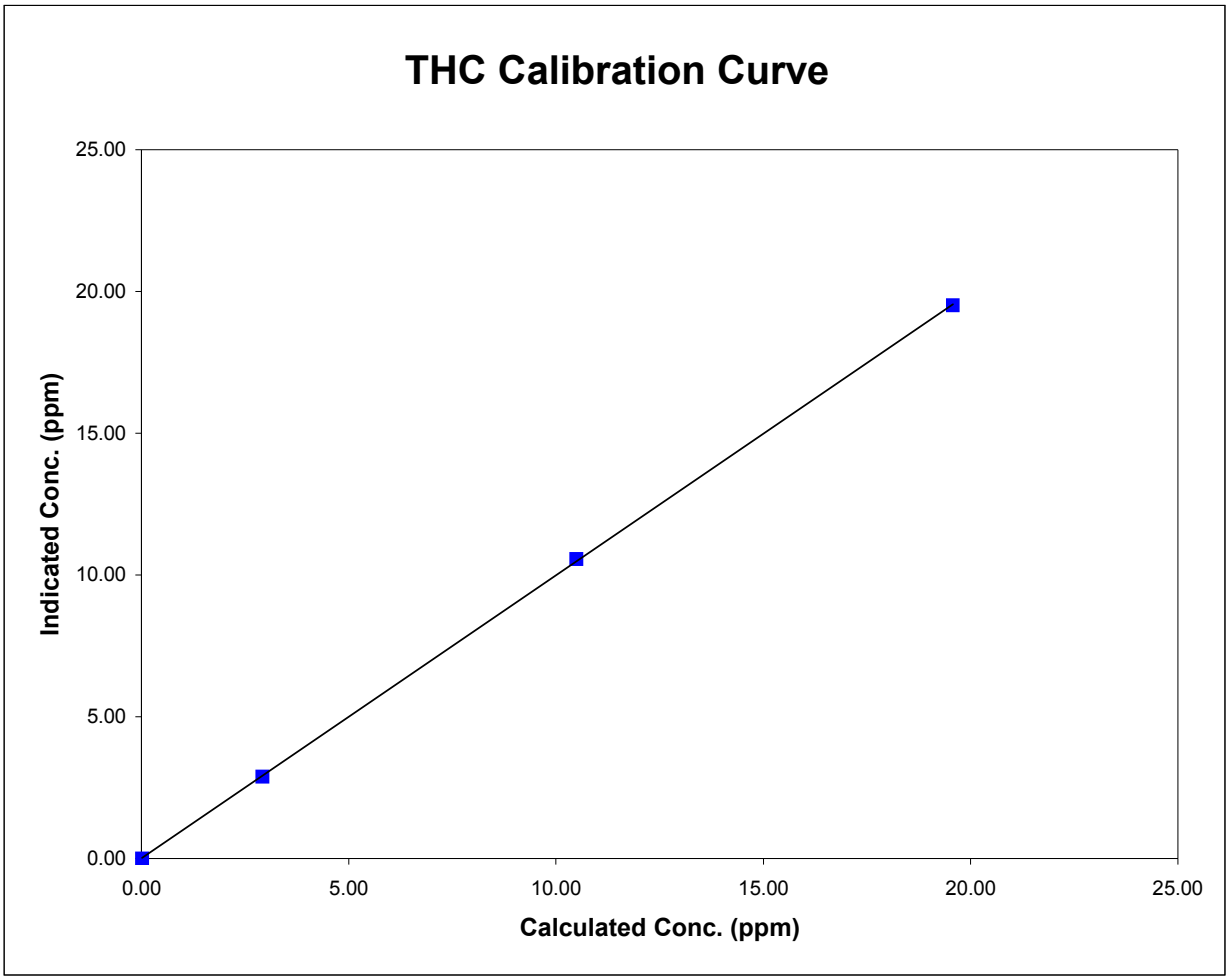
Air Monitoring Network **PASZA**

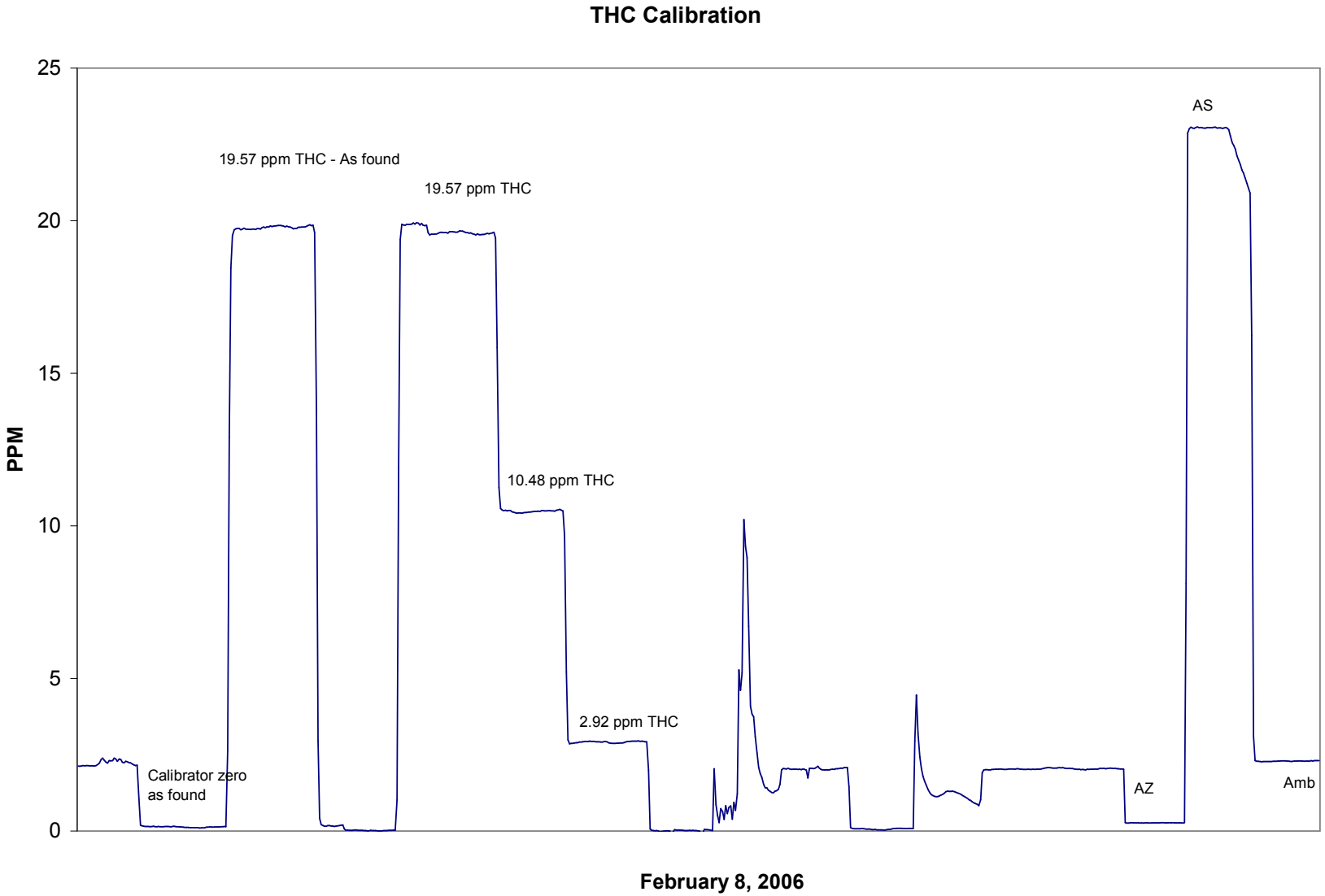
Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 23, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	12:50	End Time (MST)	15:25
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	0.015	N/A		
19.516	19.571	0.9972	Correlation Coefficient	0.999958
10.565	10.489	1.0073		
2.891	2.917	0.9911	Slope	0.999142
			Intercept	0.002270




THC Calibration
25
20
15
10
5
0
PPM
19.57 ppm THC - As found
19.57 ppm THC
10.48 ppm THC
2.92 ppm THC
Calibrator zero
as found
AZ
AS
Amb
February 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 31, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:45	End Time (MST)	12:50
Barometric Pressure	27.8 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	181 ng/min	Perm-tube Expiry Date	12/10/2005
Correction factor	0.943980	Perm-tube Cert #	04-19367
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	0.996244	Calculated slope	1.002612
Calculated intercept	-0.081381	Calculated intercept	-0.045812
Analyzer make	TEI Model 43C	Analyzer serial #	31990000000491

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	21.2	ppb	20	ppb
coefficient	1.205		1.145	
Lamp Voltage	889	volts	887	volts
Chamber Temp	44.9	Deg C	44.8	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	618.9	mm Hg	636.7	mm Hg
Sample Flow	703	ccm	728	ccm
Lamp Intesity	39,400	mv	39,200	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	2076.8	0.0	0.2	N/A
2200	2076.8	62.7	62.7	1.0002
4010	3785.4	34.4	34.2	1.0048
9000	8495.8	15.3	15.2	1.0108
zero	2076.8	0.0	0.3	As Found Zero
2200	2076.8	62.7	65.5	As Found Span
			Average Correction Factor	1.0053

Calculated value of As Found Response: 64.88 ppm Percent Change of As Found: -3.5%

	before calibration		after calibration	
Auto zero	0.2	ppm	0.3	ppm
Auto span	69.5	ppm	64.4	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

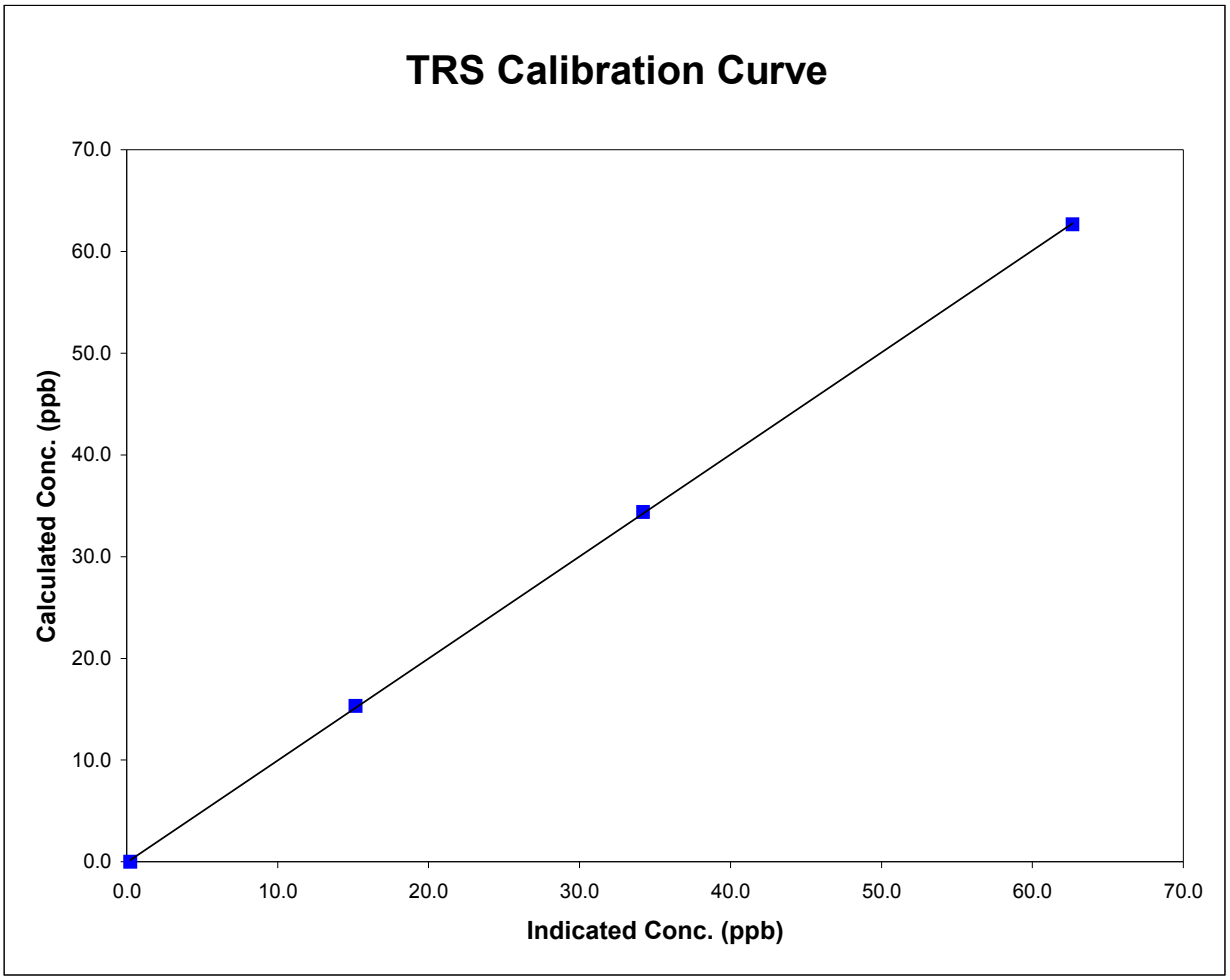
Air Monitoring Network **PASZA**

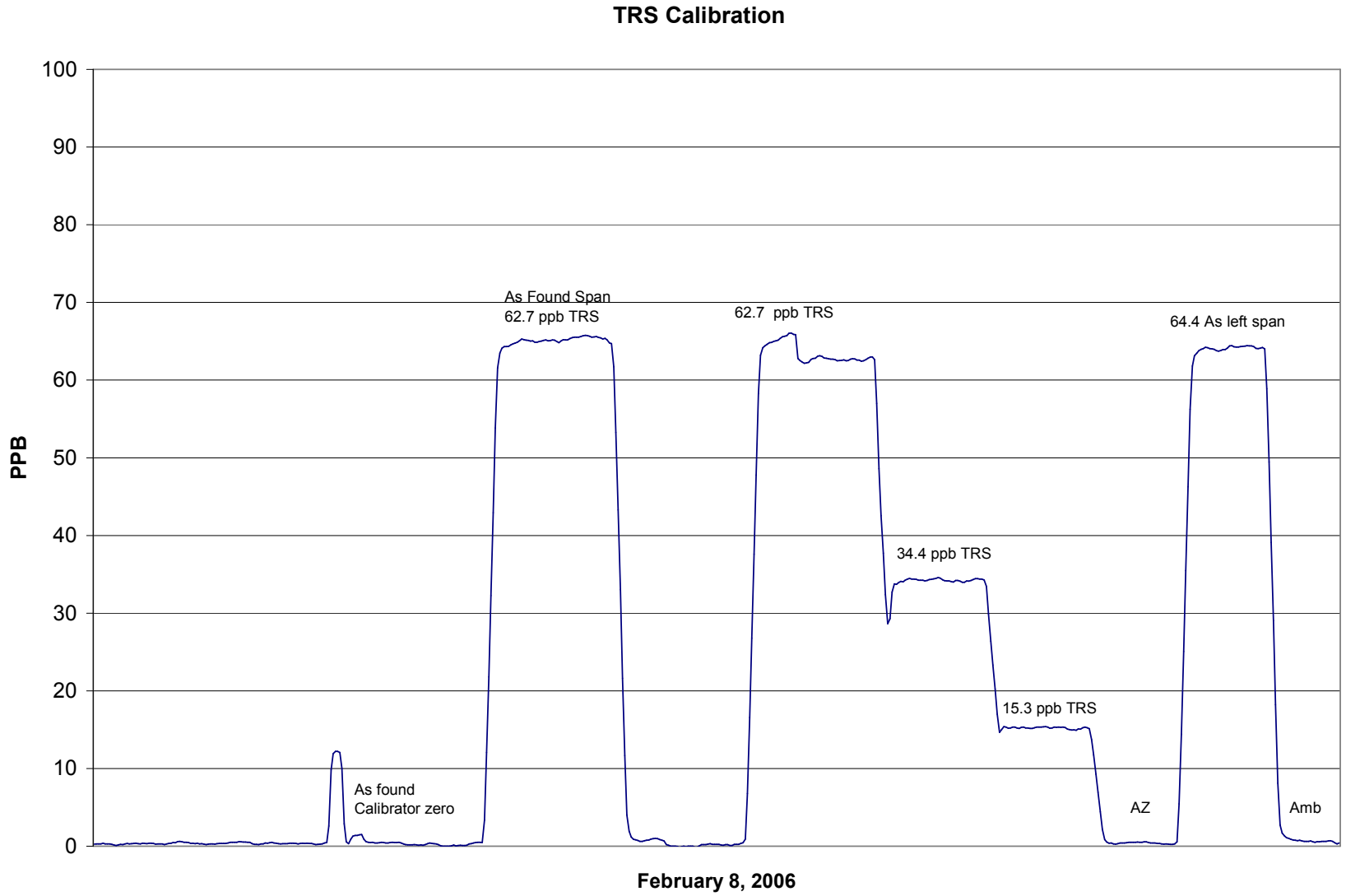
Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 31, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:45	End Time (MST)	12:50
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		
62.7	62.7	1.0002	Correlation Coefficient	0.999959
34.4	34.2	1.0048		
15.3	15.2	1.0108	Slope	1.002612
			Intercept	-0.045812




TRS Calibration
100
90
80
70
60
50
40
30
20
10
0
PPB
As Found Span
62.7 ppb TRS
62.7 ppb TRS
64.4 As left span
34.4 ppb TRS
15.3 ppb TRS
As found
Calibrator zero
AZ
Amb
February 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 8, 2006	Previous Calibration	January 31, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	14:45	End Time (MST)	14:15
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	2.990	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	27	%	28	%
Ko Factor	12122		12122	
Temperature	5.0	Deg C	5.0	Deg C
Pressure	0.930	ATM	0.930	ATM

Calibration Data

Parameter	Set Point	Indicated Reading (measured externally)	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		0.01
zero flow - auxillary	0.0	0.00		-0.03
flow recovery - main	45 - 60 Seconds	na	45 - 60 Seconds	25
flow recovery - aux	46 - 60 Seconds	na	46 - 60 Seconds	40
Temperature	measured	4.8	+/- 1.0 Deg C	5.0
Pressure	measured	0.925	+/- 1.5% Δ_{ATM}	0.928
Total Flow	16.67 SLPM	15.40		
Main Flow	13.67 SLPM	12.99	+/- 1.0 SLPM	13.67
Auxillary Flow	3.0 SLPM	2.800	+/- 0.2 SLPM	2.990
Leak Check - main	0.0	0.00	<0.15 SLPM	0.01
Leak Check - aux	0.0	0.00	<0.15 SLPM	0.01
Ko Factor (w/o filter)	measured	324.883	filter weight (g)	0.11112
Ko Factor (w/ filter)	measured	231.812	% Ko difference	-0.35%

Notes: Installed new blue filter

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 10, 2006	Previous Calibration	January 24, 2006
Station Number	2	Station Location	Evergreen Park

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

Start Time (MST)	11:10	End Time (MST)	15:10
Barometric Pressure	28.2 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	2,097 ng/min	Perm-tube Expiry Date	June 30/05
Correction factor	0.957577	Perm-tube Cert #	19-9955
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.988432	Calculated slope	0.998064
Calculated intercept	-7.171342	Calculated intercept	-3.402631

Analyzer make: API 100 — Analyzer serial #: 32

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	473	ccm	471	ccm
UV Lamp Voltage	3290	mv	3285	mv
Lamp Ratio	93	%	92	%
Rx Cell Temp	50	Deg C	50	Deg C
PMT Temp	10	Deg C	10	Deg C
IZS Temp	40	Deg C	40	Deg C
Slope	8.83		8.75	
Intercept	228.4		225.2	

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	1939.1	0.0	-0.1	N/A
2025	1939.1	412.8	415.3	0.9939
4450	4261.2	187.8	193.3	0.9717
8500	8139.4	98.3	105.5	0.9324
zero	1915.2		-3.3	As Found Zero
2000	1915.2	417.9	435.1	As Found Span
			Average Correction Factor	0.9660

Calculated value of As Found Response: 426.135 ppm Percent Change of As Found: -2.0%

	before calibration		after calibration	
Auto zero	-9.7	ppm	-3.6	ppm
Auto span	249.2	ppm	256.2	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

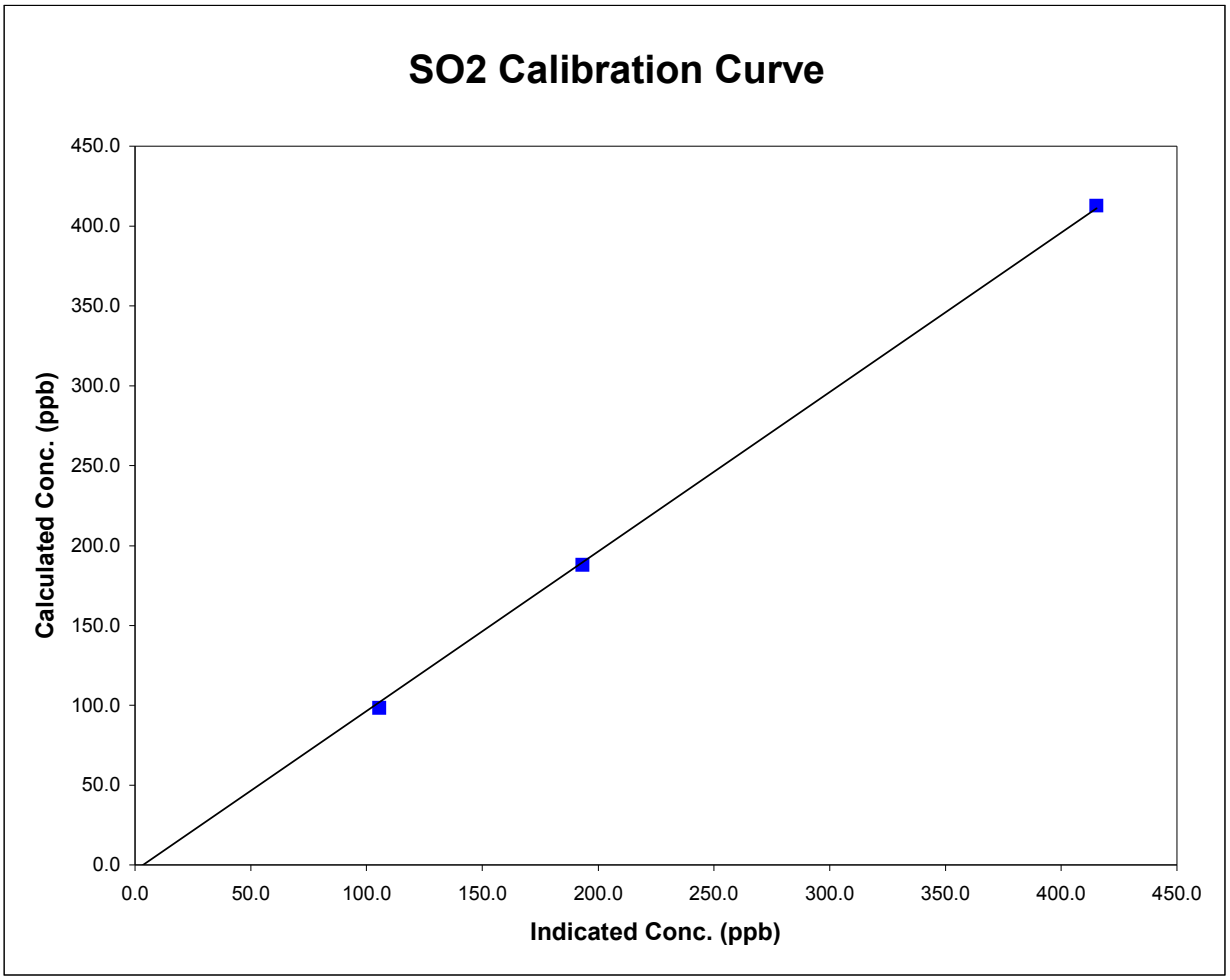
Air Monitoring Network **PASZA**

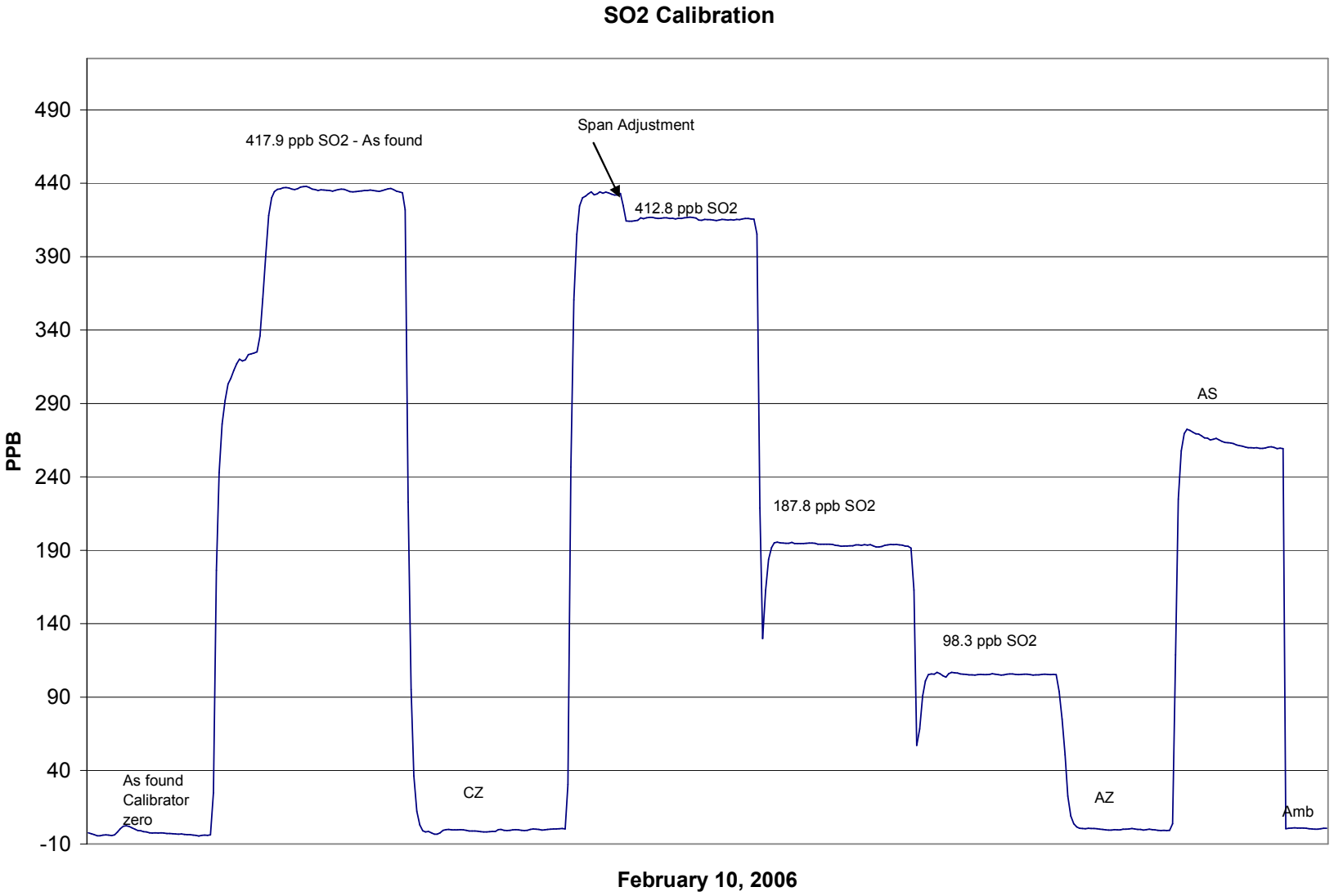
Station Information

Calibration Date	February 10, 2006	Previous Calibration	January 24, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:10	End Time (MST)	15:10
Analyzer make/model	API 100	Analyzer serial #	32

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
412.8	415.3	0.9939	Correlation Coefficient	0.999672
187.8	193.3	0.9717		
98.3	105.5	0.9324	Slope	0.998064
			Intercept	-3.402631




SO2 Calibration
490
440
390
340
290
240
190
140
90
40
-10
PPB
417.9 ppb SO2 - As found
Span Adjustment
412.8 ppb SO2
187.8 ppb SO2
98.3 ppb SO2
AS
As found
Calibrator
zero
CZ
AZ
Amb
February 10, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 10, 2006	Previous Calibration	January 24, 2006
Station Number	2	Station Location	Evergreen Park

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

Start Time (MST)	11:10	End Time (MST)	15:10
Barometric Pressure	28.17 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	181 ng/min	Perm-tube Expiry Date	June 30/05
Correction factor	0.957577	Perm-tube Cert #	04-19367
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	0.993179	Calculated slope	0.993665
Calculated intercept	0.155801	Calculated intercept	0.299628

Analyzer make	TEI Model 43C	Analyzer serial # 0436610005

	before		after	
Concentration range	100	ppb	100	ppb
Background	14.2	ppb	14.5	ppb
coefficient	1.26		1.2	
Lamp Voltage	760	volts	760	volts
Chamber Temp	44.3	Deg C	44.3	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	637.5	mm Hg	637.5	mm Hg
Sample Flow	470	ccm	468	ccm
Lamp Intesity	32,300	mv	32,400	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	1939.1	0.0	0.0	N/A
2025	1939.1	67.1	67.4	0.9955
4450	4261.2	30.5	30.2	1.0123
8500	8139.4	16.0	15.5	1.0298
zero	1915.2	0.0	-0.2	As Found Zero
2000	1915.2	68.0	68.9	As Found Span
			Average Correction Factor	1.0125

Calculated value of As Found Response: 68.81 ppm Percent Change of As Found: -1.3%

	before calibration		after calibration	
Auto zero	-0.2	ppm	0.3	ppm
Auto span	63.5	ppm	59.9	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

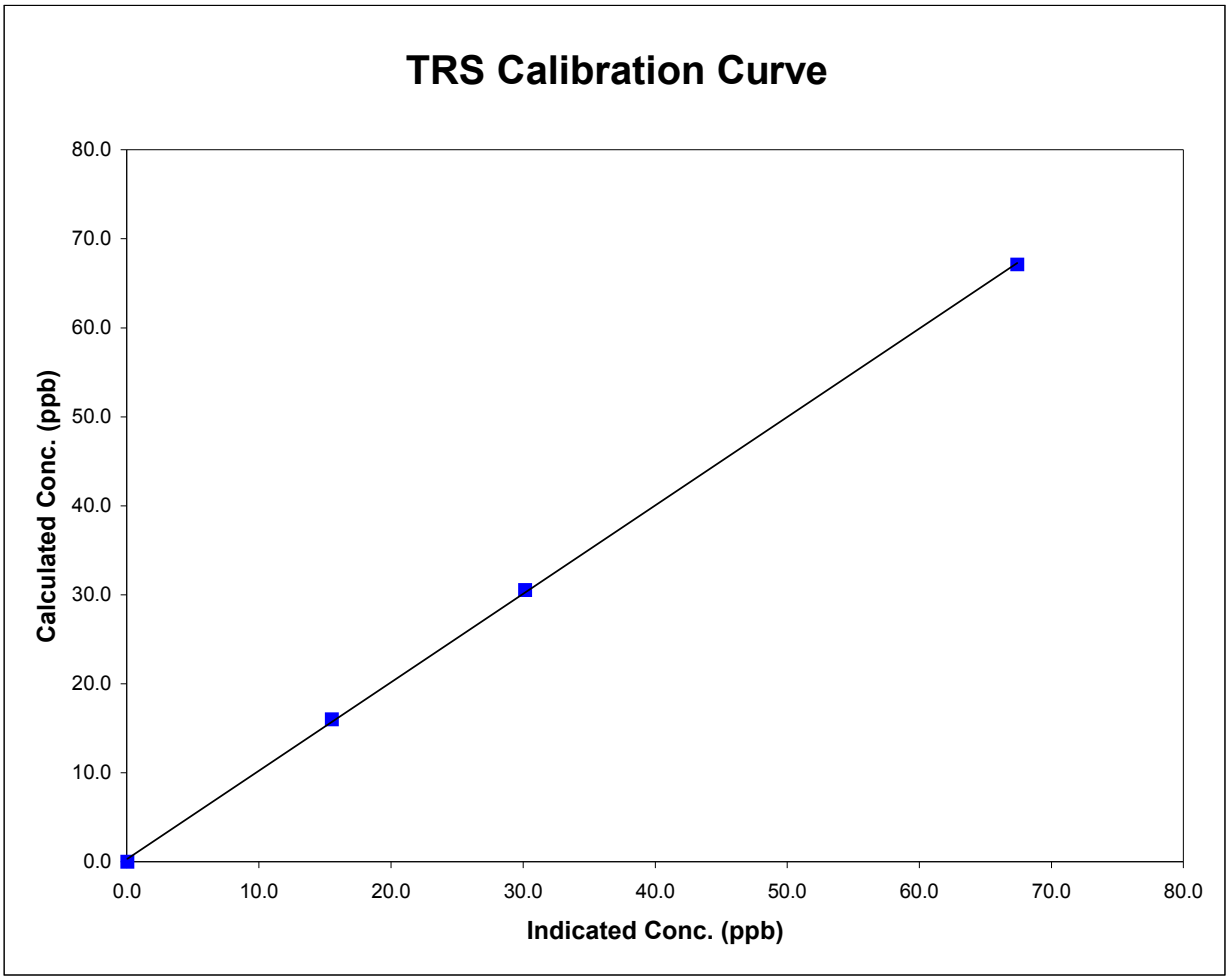
Air Monitoring Network **PASZA**

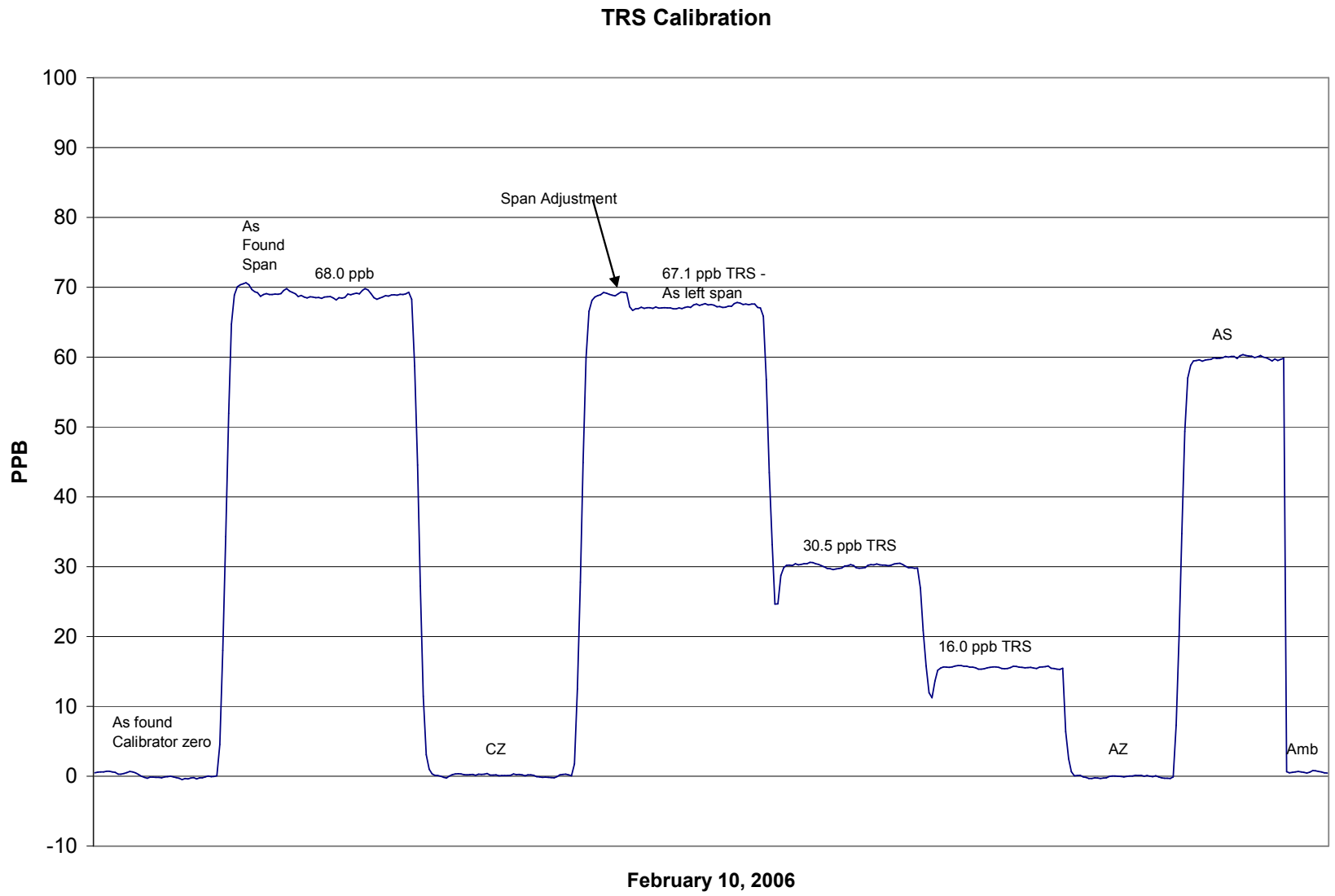
Station Information

Calibration Date	February 10, 2006	Previous Calibration	January 24, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:10	End Time (MST)	15:10
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	0.0	N/A		
67.1	67.4	0.9955	Correlation Coefficient	0.999883
30.5	30.2	1.0123		
16.0	15.5	1.0298	Slope	0.993665
			Intercept	0.299628




TRS Calibration
100
90
80
70
60
50
40
30
20
10
0
-10
PPB
As
Found
Span
68.0 ppb
Span Adjustment
67.1 ppb TRS -
As left span
30.5 ppb TRS
16.0 ppb TRS
AS
As found
Calibrator zero
CZ
AZ
Amb
February 10, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 10, 2006	Previous Calibration	January 24, 2006
Station Number	2	Station Location	Evergreen Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	14:45	End Time (MST)	15:18
Barometric Pressure	0.942 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	2.990	SLPM	2.990	SLPM
Aux Flow Set Point	13.66	SLPM	13.67	SLPM
Filter Load	35	%	17	%
Ko Factor	10124		10124	
Temperature	-1.1	Deg C	-1.1	Deg C
Pressure	0.946	ATM	0.946	ATM

Calibration Data

Parameter	Set Point	Indicated Reading (measured externally)	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		0.00
zero flow - auxillary	0.0	0.00		0.00
flow recovery - main	45 - 60 Seconds		45 - 60 Seconds	28
flow recovery - aux	46 - 60 Seconds		46 - 60 Seconds	45
Temperature	measured	-1.8	+/- 1.0 Deg C	-1.1
Pressure	measured	0.942	+/- 1.5% ΔATM	0.946
Total Flow	16.67 SLPM	17.3/16.6		
Main Flow	13.67 SLPM	14.7/14.2	+/- 1.0 SLPM	13.66
Auxillary Flow	3.0 SLPM	3.19/2.86	+/- 0.2 SLPM	3.000
Leak Check - main	0.0	0.00	<0.15 SLPM	0.00
Leak Check - aux	0.0	0.00	<0.15 SLPM	0.04
Ko Factor (w/o filter)	measured	307.394	filter weight (g)	0.11012
Ko Factor (w/ filter)	measured	216.308	% Ko difference	-0.81%

Notes: New blue filter
Adjusted flows

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 1, 2006	Previous Calibration	January 27, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine / Install / Removal / Other:		
Start Time (MST)	11:25	End Time (MST)	15:00
Barometric Pressure	26.93 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	2,097 ng/min	Perm-tube Expiry Date	June 30/05
Correction factor	0.915426	Perm-tube Cert #	19-9955
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.997403	Calculated slope	0.997529
Calculated intercept	0.380663	Calculated intercept	1.483714
Analyzer make	API 102A	Analyzer serial #	212

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	556	ccm	553	ccm
UV Lamp Voltage	2900	mv	3840	mv
Lamp Ratio	69	%	105	%
Rx Cell Temp	49.6	Deg C	49.6	Deg C
PMT Temp	7	Deg C	7	Deg C
IZS Temp	45	Deg C	45	Deg C
Slope	0.969		0.855	
Intercept	21.3		26.2	

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	2297.7	0.0	0.5	N/A
2510	2297.7	348.4	348.7	0.9991
5500	5034.8	159.0	157.0	1.0126
9100	8330.4	96.1	92.8	1.0353
zero	2334.3	0.0	-1.0	As Found Zero
2550	2334.3	342.9	354.4	As Found Span
			Average Correction Factor	1.0157

Calculated value of As Found Response: 354.851 ppm Percent Change of As Found: -3.5%

	before calibration		after calibration	
Auto zero	0.4	ppm	1.9	ppm
Auto span	251.7	ppm	159.5	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

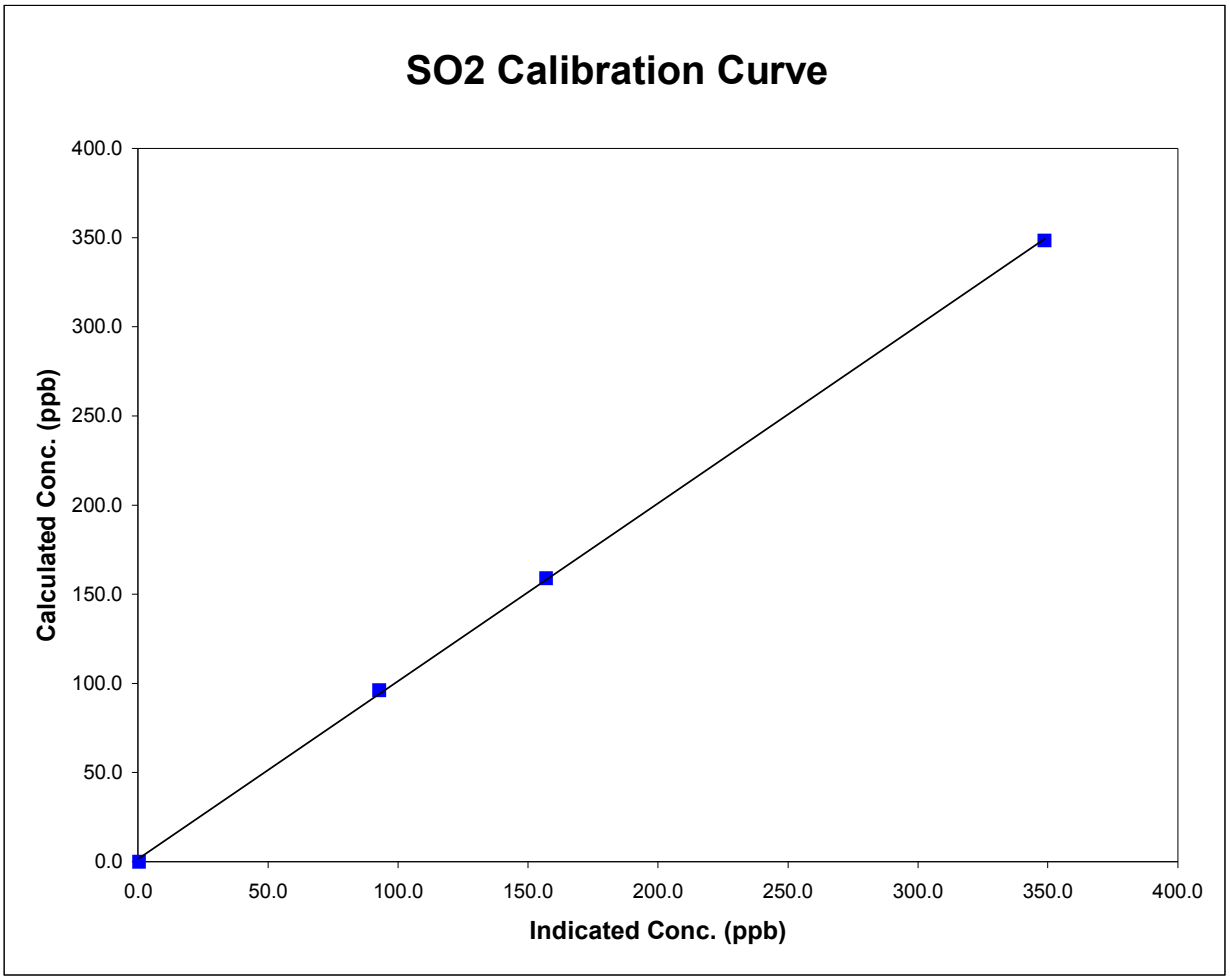
Air Monitoring Network **PASZA**

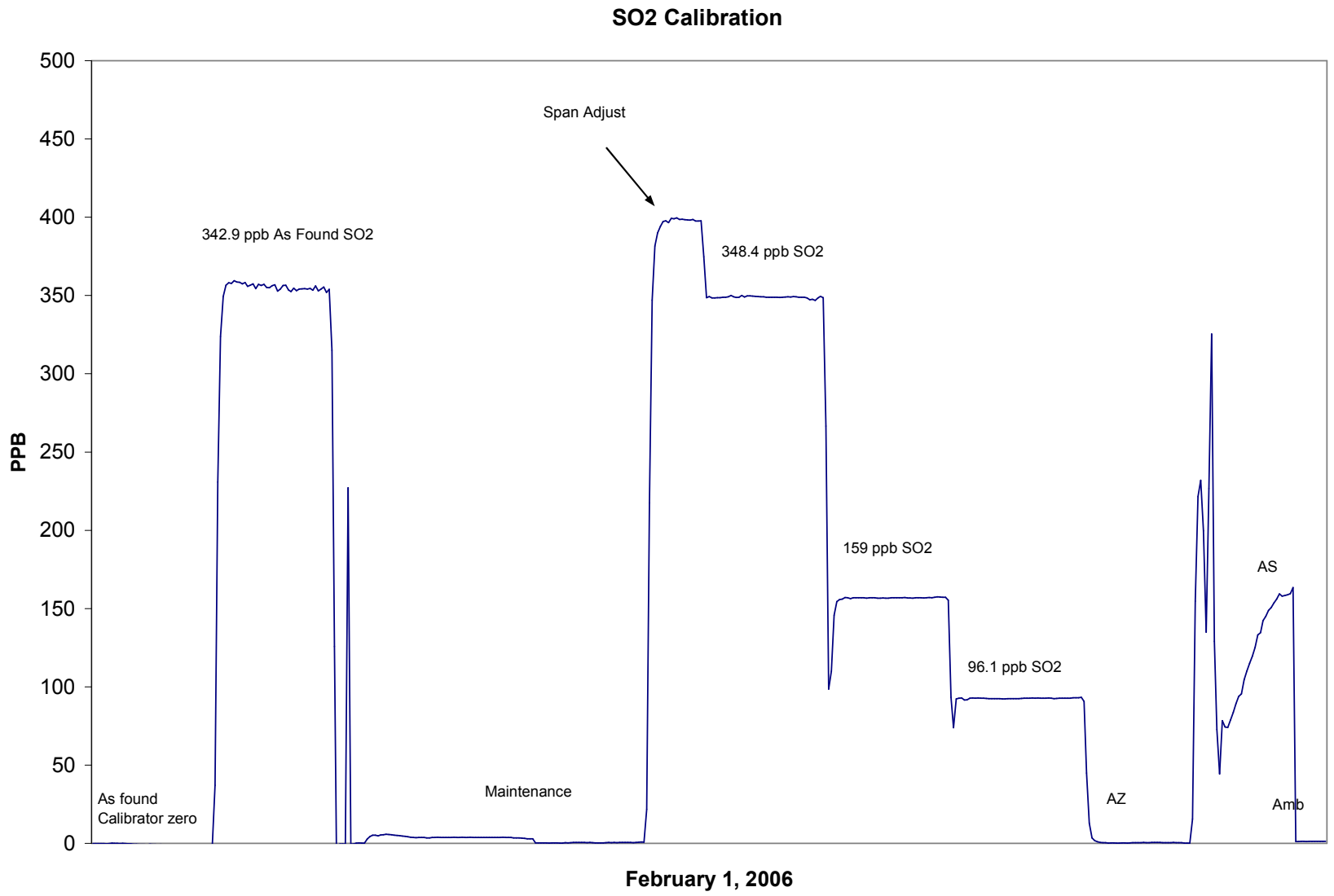
Station Information

Calibration Date	February 1, 2006	Previous Calibration	January 27, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	11:25	End Time (MST)	15:00
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	0.5	N/A		
348.4	348.7	0.9991	Correlation Coefficient	0.999851
159.0	157.0	1.0126		
96.1	92.8	1.0353	Slope	0.997529
			Intercept	1.483714




SO2 Calibration
500
450
400
350
300
250
200
150
100
50
0
PPB
Span Adjust
342.9 ppb As Found SO2
348.4 ppb SO2
159 ppb SO2
96.1 ppb SO2
AS
As found
Calibrator zero
Maintenance
AZ
Amb
February 1, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 1, 2006	Previous Calibration	January 27, 2006
Station Number	3	Station Location	Smoky Heights

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

Start Time (MST)	11:25	End Time (MST)	15:00
Barometric Pressure	26.93 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	181 ng/min	Perm-tube Expiry Date	June 30/05
Correction factor	0.915426	Perm-tube Cert #	03-13509
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	0.993914	Calculated slope	1.012216
Calculated intercept	-0.096336	Calculated intercept	-0.149412

Analyzer make: TEI Model 43C — Analyzer serial #: 436610004

	before		after	
Concentration range	100	ppb	100	ppb
Background	11	ppb	11	ppb
coefficient	1.224		1.199	
Lamp Voltage	779	volts	784	volts
Chamber Temp	44.1	Deg C	44.1	Deg C
Perm Gas Temp	45	Deg C	45.12	Deg C
Pressure	628.9	mm Hg	617.5	mm Hg
Sample Flow	464	ccm	462	ccm
Lamp Intesity	32,000	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	2297.7	0.0	0.5	N/A
2510	2297.7	56.6	56.3	1.0058
5500	5034.8	25.8	25.4	1.0179
9100	8330.4	15.6	15.3	1.0228
zero	2334.3	0.0	0.2	As Found Zero
2550	2334.3	55.7	56.3	As Found Span
			Average Correction Factor	1.0155

Calculated value of As Found Response: 55.62 ppm — Percent Change of As Found: 0.2%

	before calibration		after calibration	
Auto zero	0.1	ppm	-0.2	ppm
Auto span	73.9	ppm	100.9	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

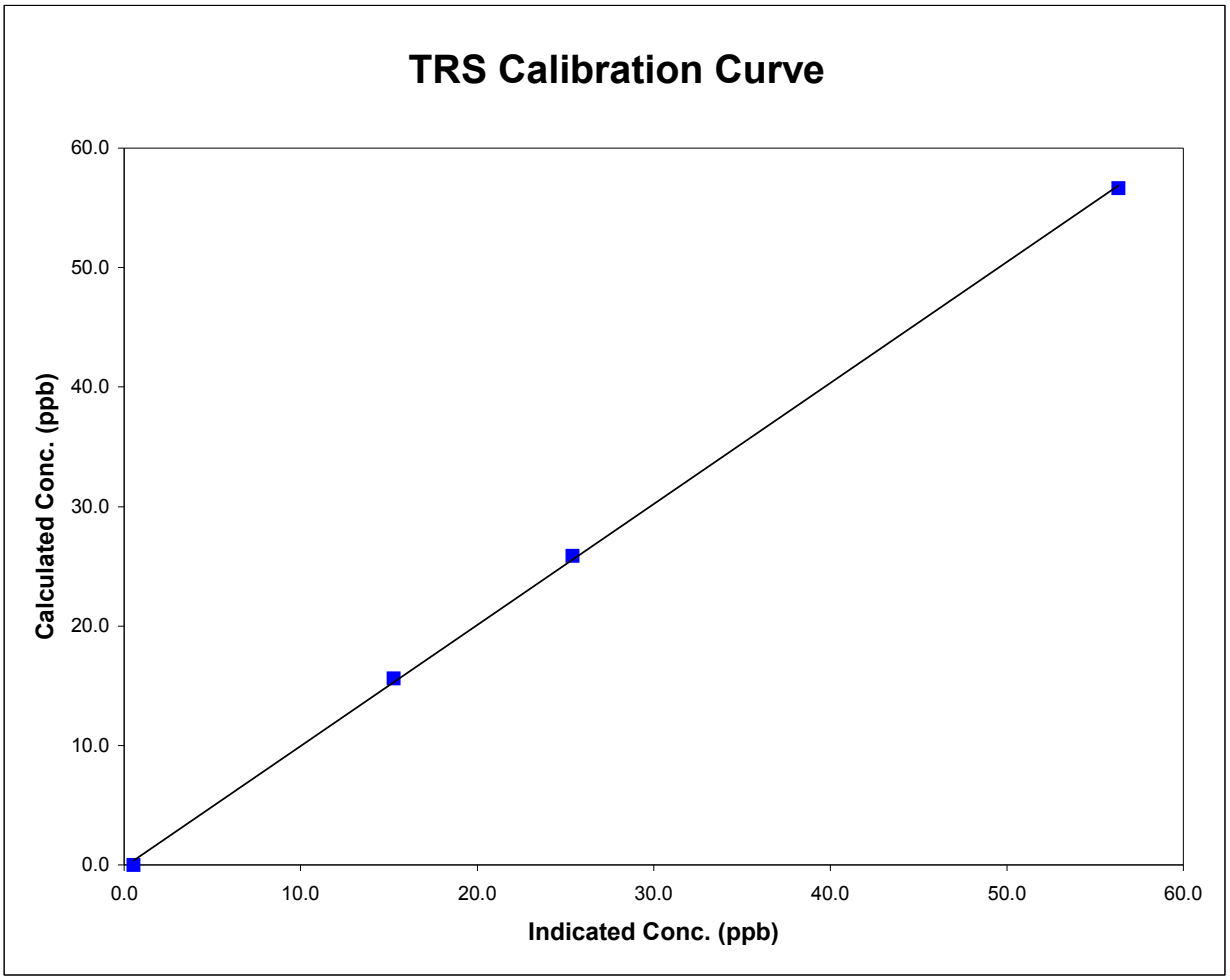
Air Monitoring Network **PASZA**

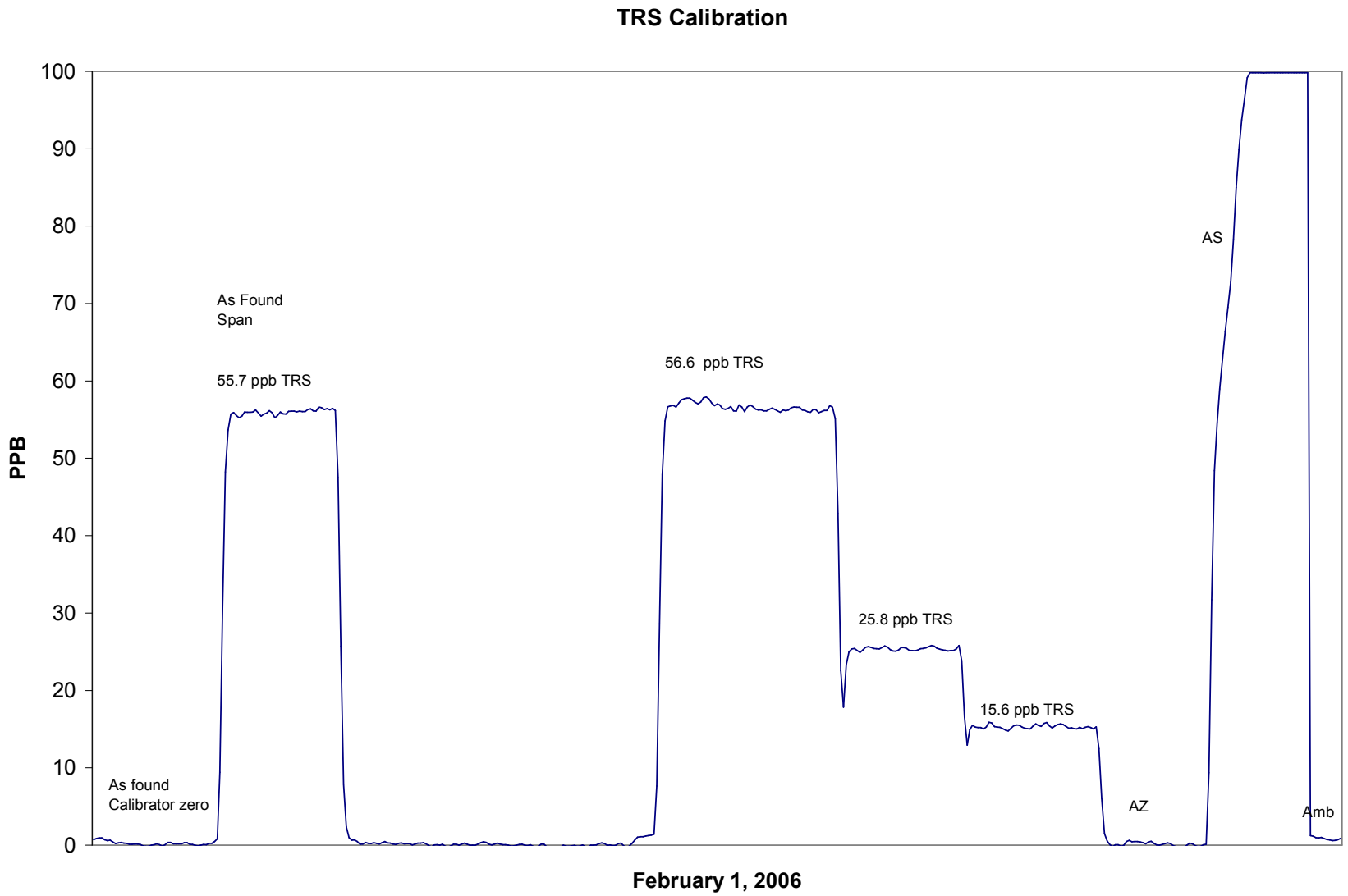
Station Information

Calibration Date	February 1, 2006	Previous Calibration	January 27, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	11:25	End Time (MST)	15:00
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	0.5	N/A		
56.6	56.3	1.0058	Correlation Coefficient	0.999776
25.8	25.4	1.0179		
15.6	15.3	1.0228	Slope	1.012216
			Intercept	-0.149412




TRS Calibration
PPB
100
90
80
70
60
50
40
30
20
10
0
As found
Calibrator zero
As Found
Span
55.7 ppb TRS
56.6 ppb TRS
25.8 ppb TRS
15.6 ppb TRS
AZ
AS
Amb
February 1, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 1, 2006	Previous Calibration	January 27, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	12:20	End Time (MST)	13:10
Barometric Pressure	0.900 inches Hg	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	2.990	SLPM
Aux Flow Set Point	13.66	SLPM	13.66	SLPM
Filter Load	21	%	22	%
Ko Factor	10997		10997	
Temperature	-7.7	Deg C	-7.7	Deg C
Pressure	0.905	ATM	0.905	ATM
Main Fadj	0.948		0.948	
Aux Fadj	0.880		0.880	

Calibration Data

Parameter	Set Point	Indicated Reading (measured externally)	Tolerance	New Reading
zero flow - main	0.0	0.00		0.03
zero flow - auxillary	0.0	0.00		-0.01
flow recovery - main	45 - 60 Seconds		45 - 60 Seconds	33
flow recovery - aux	46 - 60 Seconds		46 - 60 Seconds	45
Temperature	measured	-7.9	+/- 1.0 Deg C	-7.7
Pressure	measured	0.900	+/- 1.5% Δ_{ATM}	0.905
Total Flow	16.67 SLPM	15.55		
Main Flow	13.67 SLPM	13.28	+/- 1.0 SLPM	13.65
Auxillary Flow	3.0 SLPM	2.890	+/- 0.2 SLPM	2.990
Leak Check - main	0.0	0.00	<0.15 SLPM	0.11
Leak Check - aux	0.0	0.00	<0.15 SLPM	0.08
Ko Factor (w/o filter)	measured	223.874	filter weight (g)	0.11014
Ko Factor (w/ filter)	measured	315.529	% Ko difference	1.08%

Notes: New blue filter.
New v-seal.

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 6, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	17:30	End Time (MST)	20:35
Barometric Pressure	0.908 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
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.	45271
DACS voltage range	0 - 10 volt	DACS channel #	3

Before		After	
Calculated slope	1.028417	Calculated slope	0.980879
Calculated intercept	0.060926	Calculated intercept	0.282112

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

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.29	ppb	2.3	ppb
Coefficient	0.815		0.828	
Lamp Voltage	905.0	Volts	907.0	Volts
Chamber Temp	43.2	Deg C	43.7	Deg C
Sample Flow	613	ccm	626	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)
5085	0.00	0.00	-0.01	N/A
5085	39.88	80.15	81.70	0.9810
5085	19.93	40.21	40.14	1.0018
5085	9.50	19.21	19.31	0.9946
5085	0.00	0.00	-0.03	As Found Zero
5085	41.05	82.48	79.18	As Found Span
			Average Correction Factor	0.9925

Calculated value of As Found Response: 81.527 ppm Percent Change of As Found: 1.2%

	before calibration		after calibration	
Auto zero	0.01	ppm	0.22	ppm
Auto span	28.43	ppm	27.28	ppm

Notes: Adjusted span
New pump.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

Air Monitoring Network **PASZA**

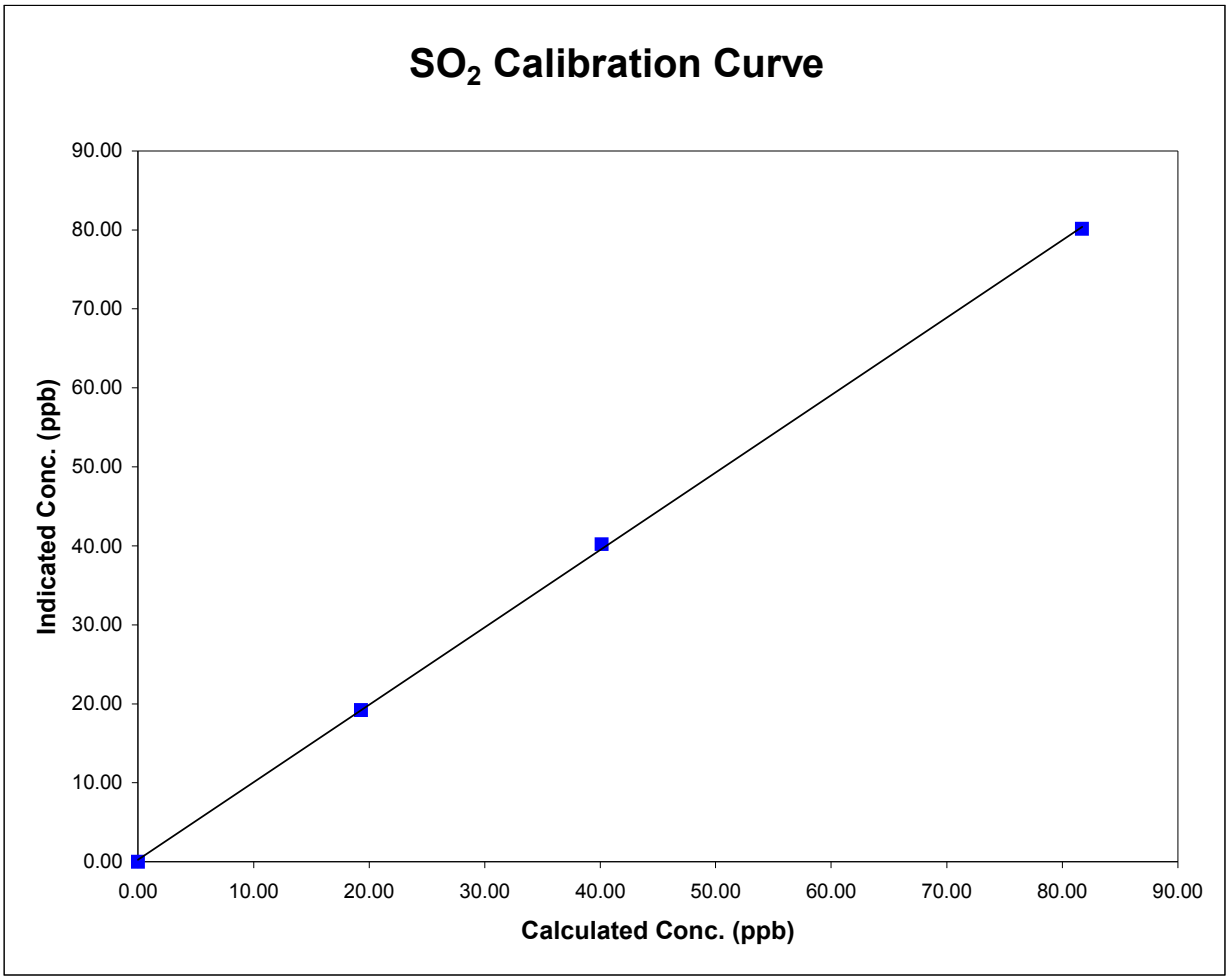
FOCUS AIR QUALITY MONITORING

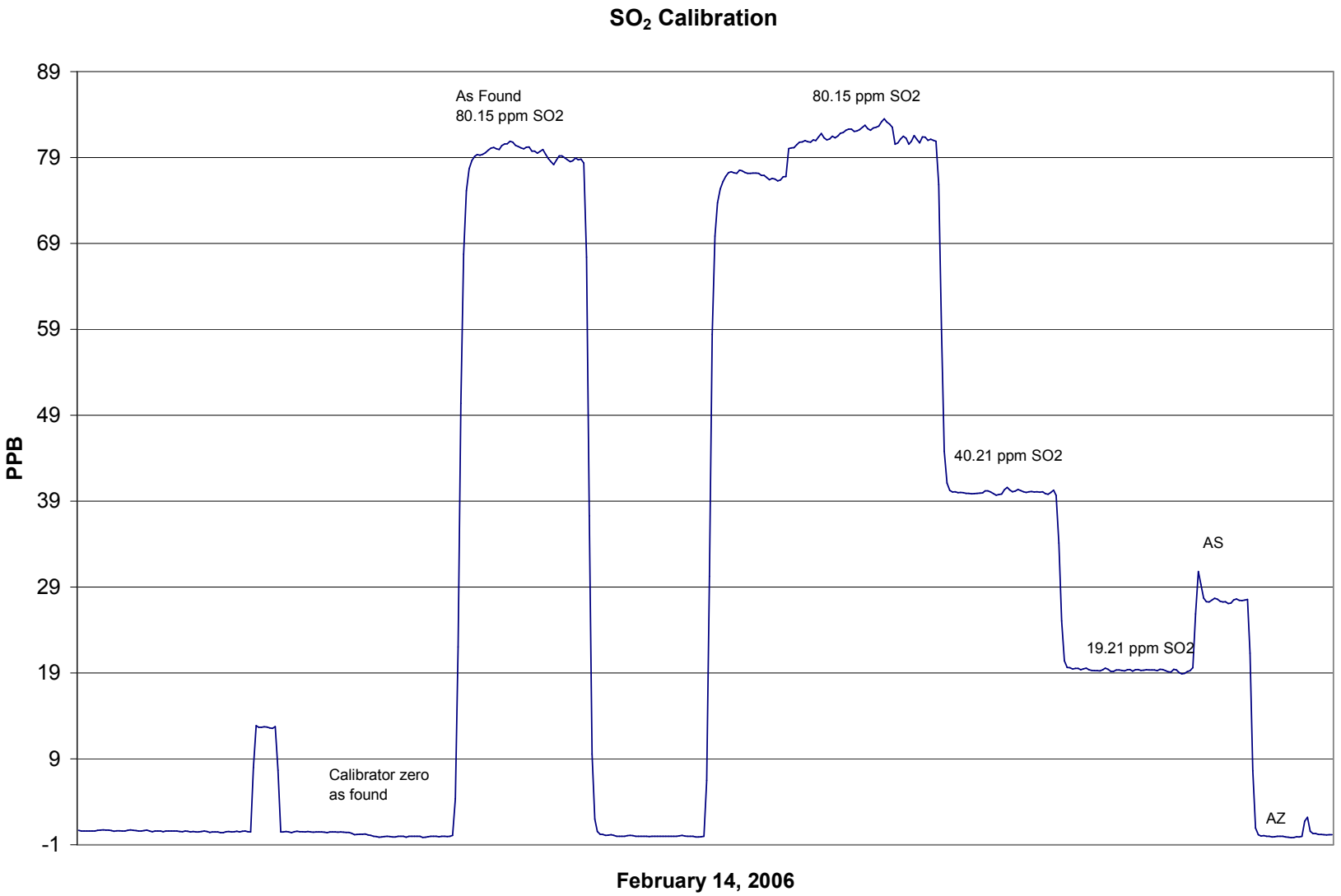
Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 6, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	17:30	End Time (MST)	20:35
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	-0.012	N/A		
80.151	81.701	0.9810	Correlation Coefficient	0.999871
40.212	40.140	1.0018		
19.207	19.311	0.9946	Slope	0.980879
			Intercept	0.282112




SO2 Calibration
89
79
69
59
49
39
29
19
9
-1
PPB
As Found
80.15 ppm SO2
80.15 ppm SO2
40.21 ppm SO2
AS
19.21 ppm SO2
Calibrator zero
as found
AZ
February 14, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	AG Canada Research Station

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	11:00		End Time (MST)		
Barometric Pressure	0.931	Atm	Station Temperature	20.0	Deg C
Calibrator	Environics 6100		Serial Number	3474	
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	0.991544	0.995615	0.998396
	Data Offset	0.105035	2.370302	2.232747
After	Data Slope	0.990542	0.993818	0.995064
	Data Offset	-0.721502	5.559349	7.197649
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	1.4	ppb	7.2	mV
NOx background	1.6	ppb	7.0	mV
NO coefficient	0.997		0.964	
NOx coefficient	0.973		0.976	
Chamber Temp	49.4	Deg C	49.5	Deg C
Cooler Temp	-2.0	Deg C	-2.0	Deg C
Converter Temp	324.0	Deg C	323.0	Deg C
Sample Flow	858.0	LPM	855.0	LPM
Pressure	160.1	inches HG	163.5	inches HG
Box Temp	32.2	ccm	33.0	ccm

Notes: Adjust zero

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: February 14, 2006 Station Location: AG Canada Research Station

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	-0.6	-0.7	-0.4	N/A	N/A
1	4992	79.80	794.6	791.4	3.1	796.3	791.1	4.3	0.9979	1.0004
2	4992	39.88	400.3	398.7	1.6	394.9	390.7	3.6	1.0137	1.0204
3	4992	19.93	200.8	200.0	0.8	191.4	186.9	3.8	1.0492	1.0699
AFZ	4992	0.00	0.0	0.0	0.0	7.3	7.6	-0.6	0.0000	0.0000
AFS	4992	79.80	794.6	791.4	3.1	834.7	835.3	-1.6	0.9519	0.9474
							Average Correction Factor		1.0202	1.0302

As Found Concentrations: NO_X= 829.8 NO= 830.0 As Found Percent Change NO_X= 4.4% NO= 4.9%

GPT Calibration Data

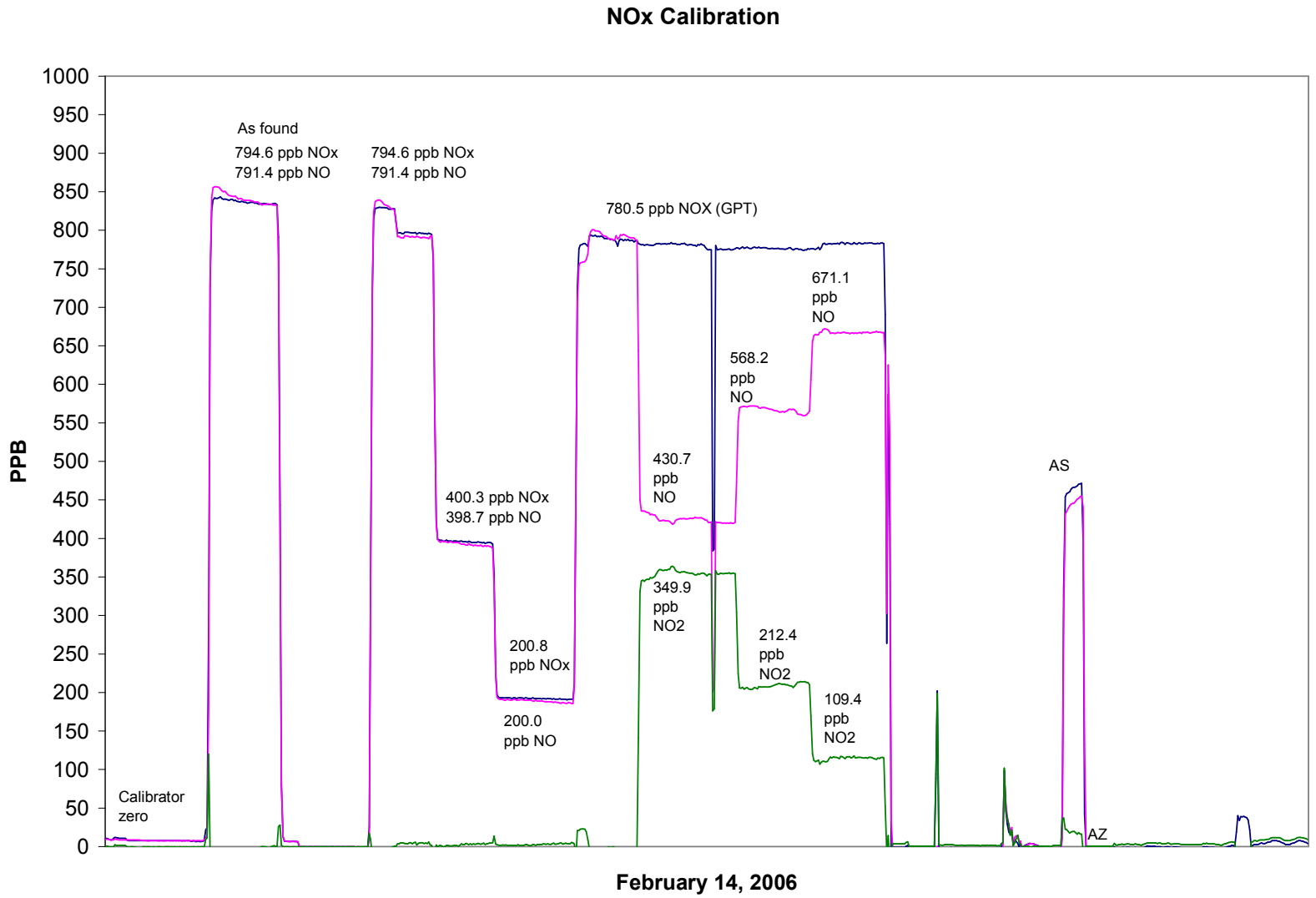
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

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	780.5	794.1	-13.6	787.0	790.8	-4.7	0.9918	1.0042	N/A	N/A
350	780.5	430.7	349.9	780.9	425.6	355.0	0.9995	1.0120	0.9857	101.5%
200	780.5	568.2	212.4	775.6	563.8	211.2	1.0064	1.0078	1.0053	99.5%
100	780.5	671.1	109.4	783.0	667.2	115.2	0.9969	1.0059	0.9498	105.3%
					Average Correction Factor		1.0010	1.0086	0.9803	102.1%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	-0.1	-1.6	6.2	ppb	0.6	-0.1	1.9	ppb
Auto span	811.7	16.6	796.9	ppb	471.3	16.8	455.2	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
As found
794.6 ppb NOx
791.4 ppb NO
794.6 ppb NOx
791.4 ppb NO
780.5 ppb NOX (GPT)
671.1
ppb
NO
568.2
ppb
NO
430.7
ppb
NO
400.3 ppb NOx
398.7 ppb NO
200.8
ppb NOx
200.0
ppb NO
349.9
ppb
NO2
212.4
ppb
NO2
109.4
ppb
NO2
AS
Calibrator
zero
AZ
February 14, 2006

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

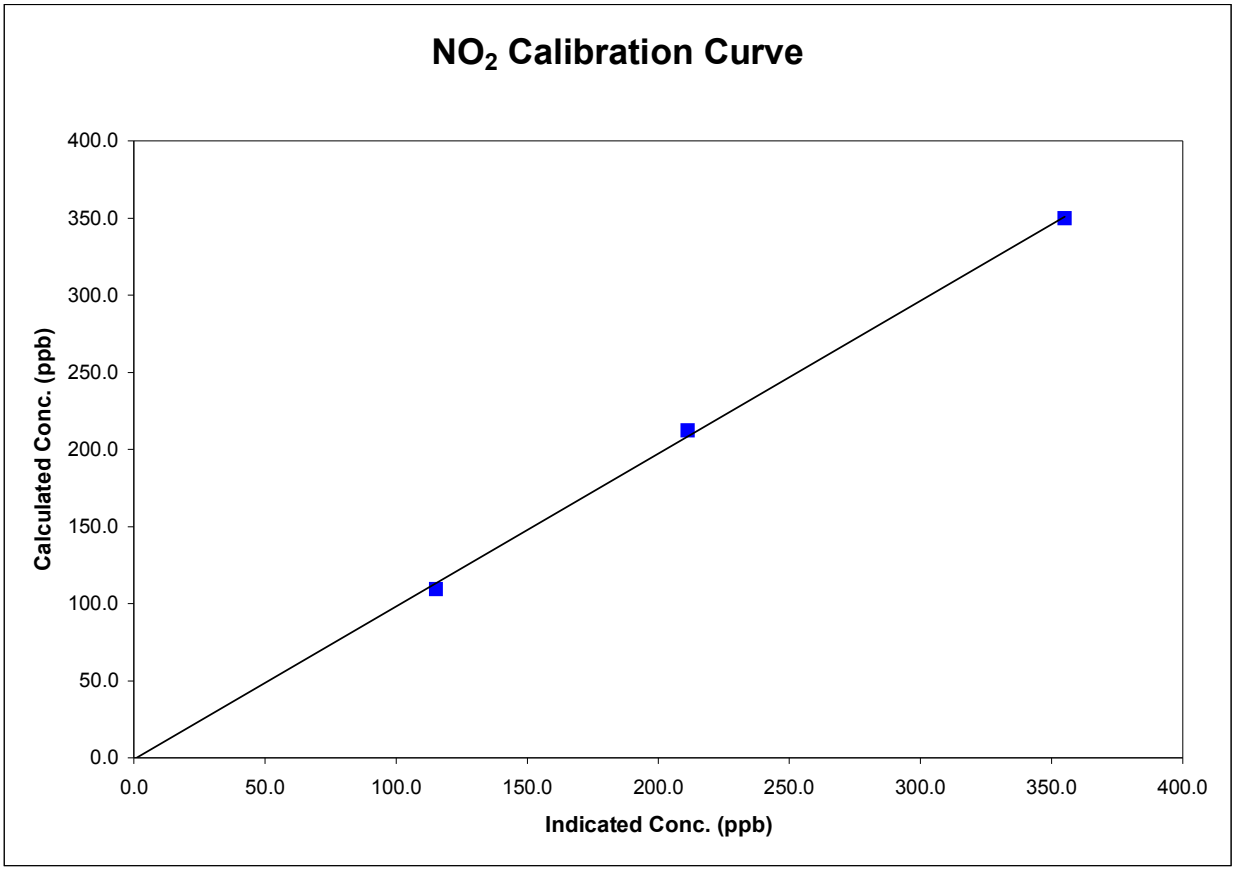
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:00	End Time (MST)	0:00
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		
349.9	355.0	0.9857	Correlation Coefficient	0.999507
212.4	211.2	1.0053		
109.4	115.2	0.9498	Slope	0.990542
			Intercept	-0.721502



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

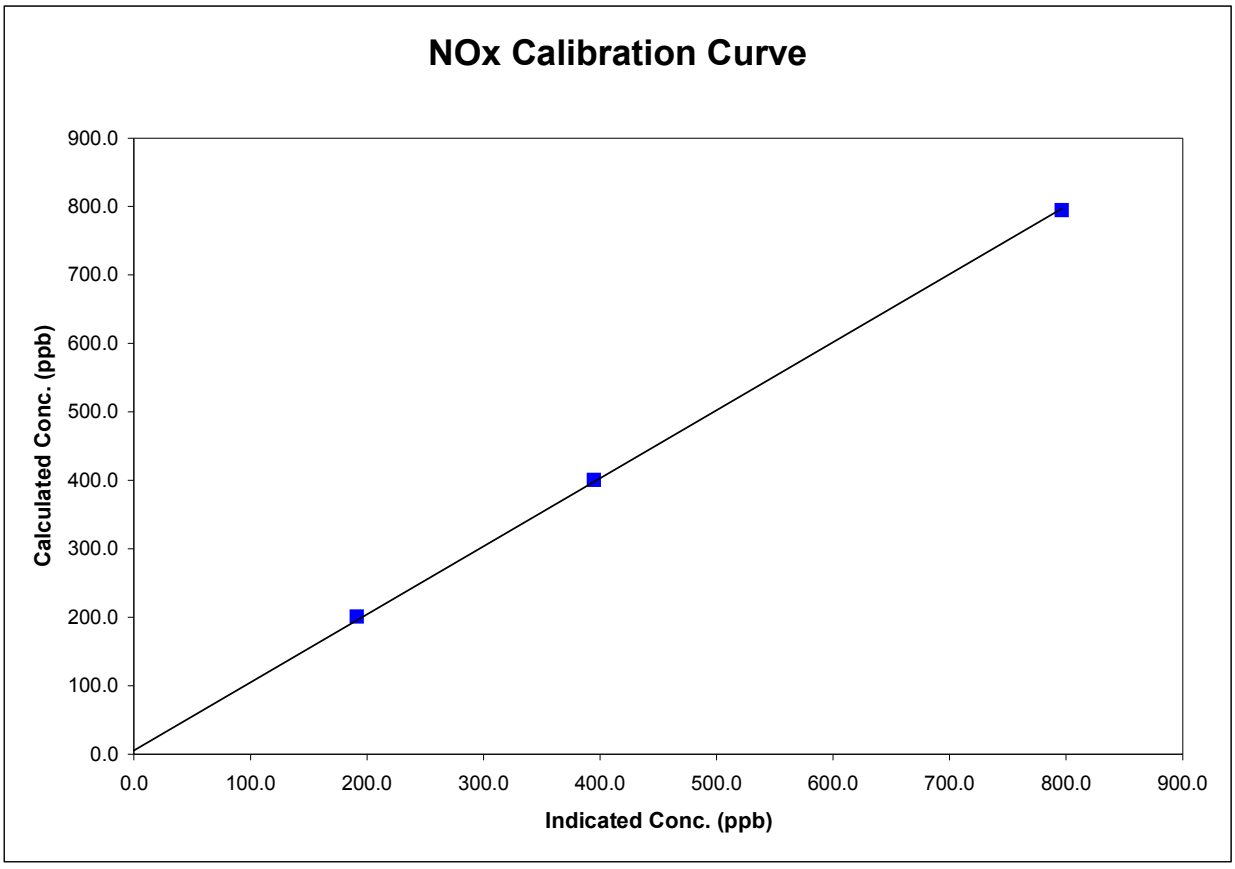
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:00	End Time (MST)	0:00
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	-0.6	0.0000		
794.6	796.3	0.9979	Correlation Coefficient	0.999824
400.3	394.9	1.0137		
200.8	191.4	1.0492	Slope	0.993818
			Intercept	5.559349



Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **NO**

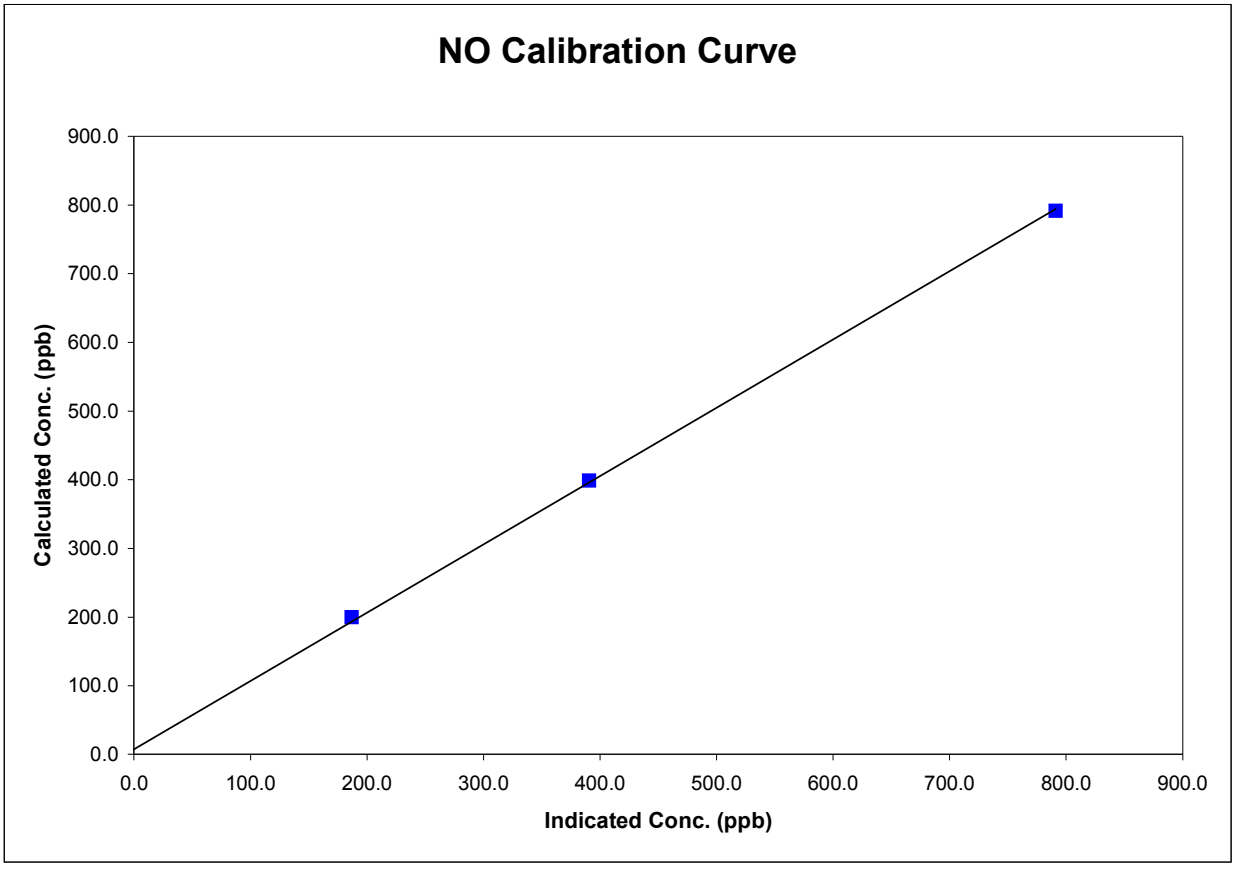
Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:00	End Time (MST)	0:00
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	-0.7	N/A		
791.4	791.1	1.0004	Correlation Coefficient	0.999694
398.7	390.7	1.0204		
200.0	186.9	1.0699	Slope	0.995064
			Intercept	7.197649



Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	15:30	End Time (MST)	18:00
Barometric Pressure	0.931 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
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	0.994381	Calculated slope	1.007088
Calculated intercept	-0.999241	Calculated intercept	0.123297

Analyzer make	Teco 49C	Analyzer serial #	49C-76443-383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	0.2	ppb	0.2	ppb
slope	1.067		0.99	
Lamp temp	70.9	mV	71	mV
Lamp Intensity A/B	87790/85200	mV	88400/87000	mV
Pressure	683.6	inches Hg	693.7	inches Hg
Flow A	749	ccm	760	ccm
Flow B	709	Deg C	713	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)
4993	0.00	0.0	-0.2	N/A
4993	0.00	349.0	349.3	0.9992
4993	0.00	209.5	205.8	1.0181
4993	0.00	108.9	111.6	0.9758
4993	0.00	0.0	-0.2	As found zero
4993	0.00	349.0	376.6	As found span
			Average Correction Factor	0.9977

Calculated value of As Found Response: 373.7 ppm Percent Change of As Found: 7.1%

	before calibration		after calibration	
Auto zero	-1.5	ppb	0.1	ppb
Auto span	112.1	ppb	106.5	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

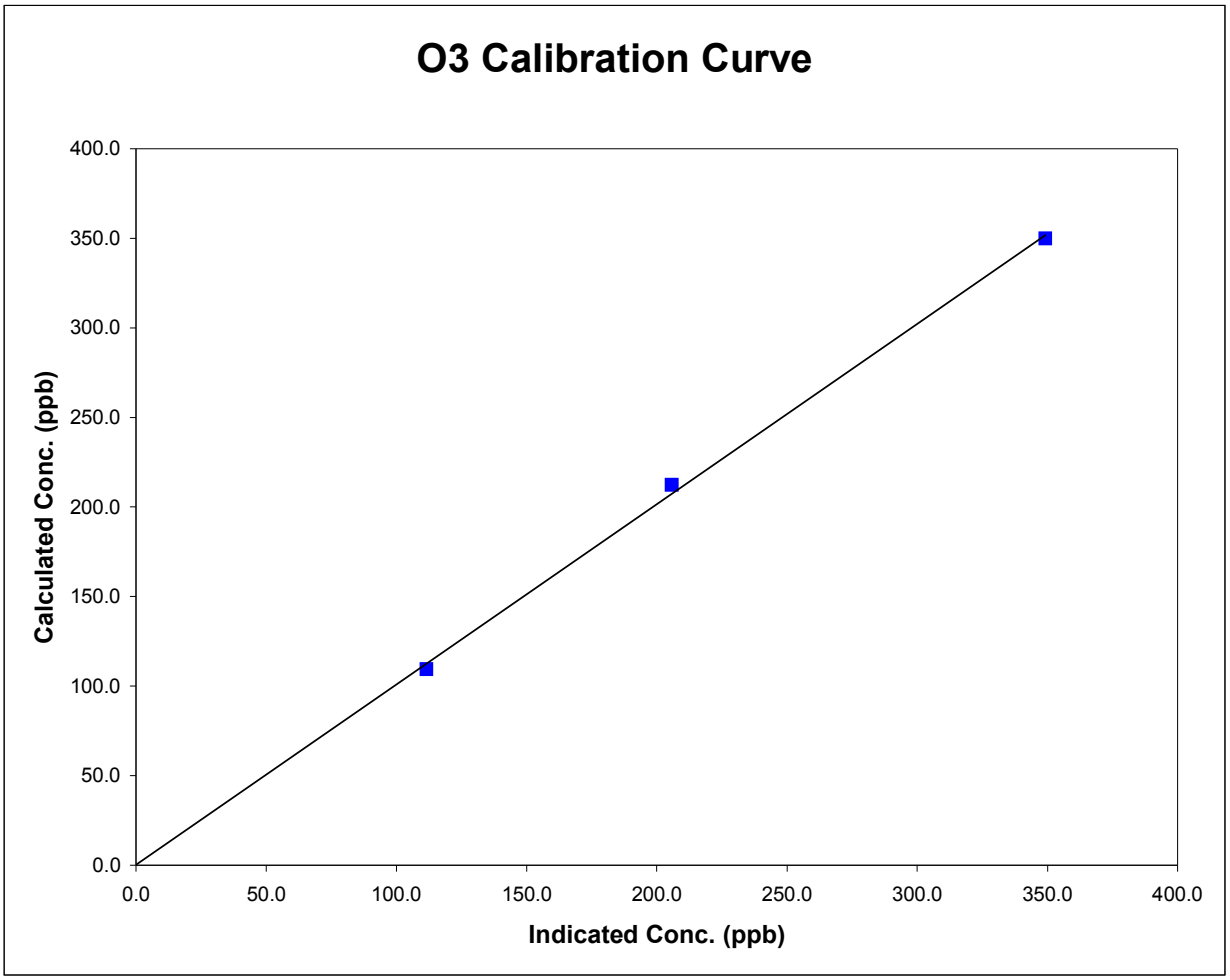
FOCUS AIR QUALITY MONITORING

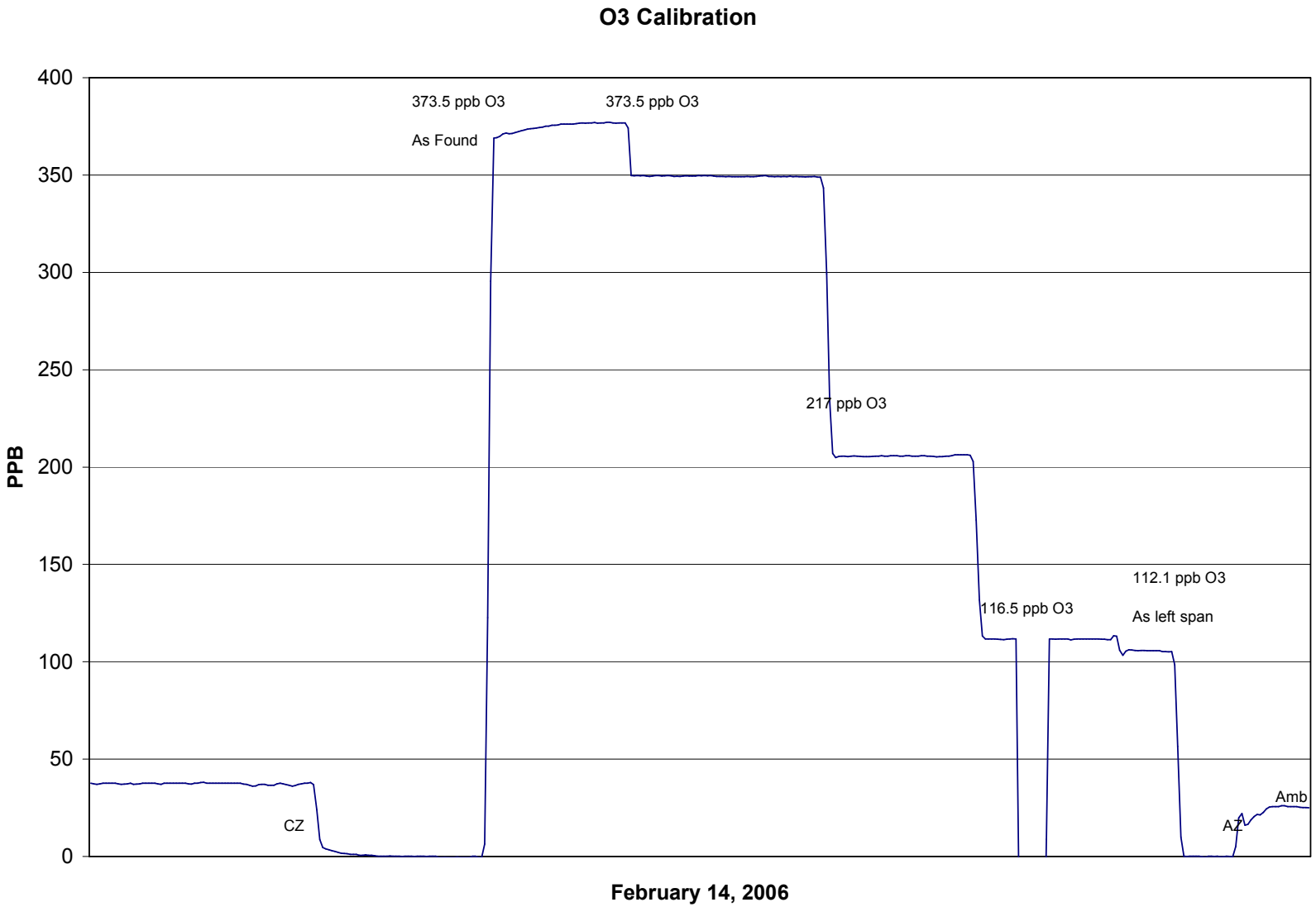
Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 13, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	15:30	End Time (MST)	18:00
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	-0.2	NA		
349.9	349.3	1.0018	Correlation Coefficient	0.999417
212.4	205.8	1.0321		
109.4	111.6	0.9803	Slope	1.007088
			Intercept	0.123297




O3 Calibration
400
350
300
250
200
150
100
50
0
PPB
373.5 ppb O3
As Found
373.5 ppb O3
217 ppb O3
116.5 ppb O3
112.1 ppb O3
As left span
CZ
AZ
Amb
February 14, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 14, 2006	Previous Calibration	January 10, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	17:00	End Time (MST)	17:30
Barometric Pressure	0.931 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	13.68	SLPM
Filter Load	58	%	18	%
Ko Factor	14287		14287	
Temperature	-10.0	Deg C	-4.2	Deg C
Pressure	0.929	ATM	0.897	ATM

Calibration Data

Parameter	Set Point	Indicated Reading (measured externally)	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		0.01
zero flow - auxillary	0.0	0.00		0.04
flow recovery - main	45 - 60 Seconds	na	45 - 60 Seconds	30
flow recovery - aux	46 - 60 Seconds	na	46 - 60 Seconds	48
Temperature	measured	-9.9	+/- 1.0 Deg C	-9.8
Pressure	measured	0.931	+/- 1.5% Δ_{ATM}	0.929
Total Flow	16.67 SLPM	16.10		
Main Flow	13.67 SLPM	13.62	+/- 1.0 SLPM	13.68
Auxillary Flow	3.0 SLPM	3.040	+/- 0.2 SLPM	3.000
Leak Check - main	0.0	0.00	<0.15 SLPM	-0.04
Leak Check - aux	0.0	0.00	<0.15 SLPM	0.09
Ko Factor (w/o filter)	measured		filter weight (g)	
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: New filter
Blue filter is Ok.

Calibration Performed By: Dawn Ewan