PASZA Air Quality Monitoring Network for March 2006

Prepared by

FOCUS
AMBIENT AIR MONITORING

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4999-98th Avenue
Edmonton, Alberta T6B 2X3

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

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

All analyzers / sensors in the network were above 97% uptime.

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

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

- Monthly average concentrations for SO_2 passives ranged from 0.4 ppb to 1.5 ppb.
- Monthly average concentrations for NO_2 passives ranged from 0.4 ppb to 9.8 ppb.
- Monthly average concentrations for O_3 passives ranged from 26.2 ppb to 46.8 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

Mar-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	1.1	0	0	5.6	Mar-02 13:00	14.7	ENE	2.7	Mar-03	100.0%
NO (**ppb**)			Henry Pirker	9.2	-	-	140.2	Mar-07 08:00	4.9	W	36.2	Mar-06	100.0%
NO_2 (**ppb**)	212	106	Henry Pirker	15.2	0	0	54.3	Mar-07 07:00	2.9	NNW	29.4	Mar-06	100.0%
NO_X (**ppb**)			Henry Pirker	24.4	-	-	189.2	Mar-07 08:00	4.9	W	65.3	Mar-06	100.0%
O_3 (**ppb**)	82		Henry Pirker	21.8	0	-	48.2	Mar-31 16:00	9.7	NNW	34.3	Mar-09	100.0%
O_3 (**ppb**) - **8-hr**	65		Henry Pirker		0						44.0	Mar-30	
CO (**ppm**)	13		Henry Pirker	0.29	0	-	1.4	Mar-25 22:00	3.1	N	0.5	Mar-06	100.0%
CO (**ppm**) - **8-hr**	5		Henry Pirker		0						0.8	Mar-26	
THC (**ppm**)			Henry Pirker	2.26	-	-	4.2	Mar-30 01:00	4.0	NW	2.9	Mar-05	100.0%
TRS (**ppb**)			Henry Pirker	0.3	-	-	0.8	Mar-06 15:00	5.4	N	0.5	Mar-06	100.0%
$PM_{2.5}$ ($\mu g/m^3$)		30 [a]	Henry Pirker	6.2		0	44.4	Mar-30 21:00	5.3	SSE	16.4	Mar-25	98.7%
RH (**%**)			Henry Pirker	66.3	-	-	-	-	-	-	-	-	100.0%
SR (W/m^2)			Henry Pirker	134.2	-	-	-	-	-	-	-	-	100.0%
Temp (^oC)			Henry Pirker	-6.7	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Henry Pirker	2.9	-	-	28.6	Mar-09 05:00	28.6	WSW	18.6	10-Mar	100.0%
WSPD s (km/hr)			Henry Pirker	8.6	-	-	28.7	Mar-09 05:00	28.7	WSW	18.9	10-Mar	100.0%
WDIR (Deg)			Henry Pirker	NW	-	-	-	-	-	-	-	-	100.0%
SO_2 (**ppb**)	172	57	Evergreen Park	1.0	0	0	5.8	Mar-06 12:00	5.7	ENE	2.7	Mar-20	98.5%
TRS (**ppb**)			Evergreen Park	0.7	-	-	1.6	Mar-06 09:00	2.8	WNW	1.0	Mar-06	100.0%
$PM_{2.5}$ ($\mu g/m^3$)		30 [a]	Evergreen Park	5.8		0	32.5	Mar-20 08:00	1.2	SE	15.1	Mar-05	99.7%
Temp (^oC)			Evergreen Park	-7.3	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Evergreen Park	2.5	-	-	26.5	Mar-09 14:00	26.5	NNW	15.0	9-Mar	100.0%
WSPD s (km/hr)			Evergreen Park	6.8	-	-	26.8	Mar-09 14:00	26.8	NNW	15.8	9-Mar	100.0%
WDIR (Deg)			Evergreen Park	NNE	-	-	-	-	-	-	-	-	100.0%
SO_2 (**ppb**)	172	57	Smoky Heights	0.8	0	0	15.0	Mar-07 19:00	19.1	W	2.3	Mar-25	100.0%
TRS (**ppb**)			Smoky Heights	0.6	-	-	1.3	Mar-23 16:00	14.9	NNE	0.9	Mar-20	100.0%
$PM_{2.5}$ ($\mu g/m^3$)		30 [a]	Smoky Heights	4.8		0	62.7	Mar-03 20:00	8.8	NNE	13.1	Mar-06	99.1%
Temp (^oC)			Smoky Heights	-6.7	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Smoky Heights	3.5	-	-	40.1	Mar-09 13:00	40.1	W	24.3	9-Mar	100.0%
WSPD s (km/hr)			Smoky Heights	10.9	-	-	40.3	Mar-09 13:00	40.3	W	24.5	9-Mar	100.0%
WDIR (Deg)			Smoky Heights	N	-	-	-	-	-	-	-	-	100.0%
SO_2 (**ppb**)	172	57	Beaverlodge	1.2	0	0	7.4	Mar-10 16:00	16.2	NNW	3.1	Mar-03	99.9%
NO (**ppb**)			Beaverlodge	2.1	-	-	36.7	Mar-05 11:00	3.8	NW	8.6	Mar-05	99.9%
NO_2 (**ppb**)	212	106	Beaverlodge	6.1	0	0	27.4	Mar-23 07:00	4.2	N	12.7	Mar-05	99.9%
NO_X (**ppb**)			Beaverlodge	8.1	-	-	53.0	Mar-06 08:00	4.8	NE	21.5	Mar-05	99.9%
O_3 (**ppb**)	82		Beaverlodge	30.4	0	-	53.3	Mar-31 15:00	5.0	E	42.5	Mar-09	99.9%
O_3 (**ppb**) - **8-hr**	65		Beaverlodge		0						51.3	Mar-31	
$PM_{2.5}$ ($\mu g/m^3$)		30 [a]	Beaverlodge	5.2		0	17.7	Mar-25 09:00	4.0	S	10.8	Mar-05	97.8%
RH (**%**)			Beaverlodge	68.0	-	-	-	-	-	-	-	-	99.9%
Temp (^oC)			Beaverlodge	-7.0	-	-	-	-	-	-	-	-	99.9%
WSPD v (km/hr)			Beaverlodge	2.4	-	-	31.6	Mar-09 13:00	31.6	W	19.4	9-Mar	99.9%
WSPD s (km/hr)			Beaverlodge	7.7	-	-	31.7	Mar-09 13:00	31.7	W	19.9	9-Mar	99.9%
WDIR (Deg)			Beaverlodge	N	-	-	-	-	-	-	-	-	99.9%

Note: [a] the draft 24-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 March.

Parameter	Make	Model	Notes
SO_2	TECO	43	No operational problems observed.
$NOx/NO/NO_2$	TECO	42C	No operational problems observed.
O_3	API	400	No operational problems observed.
CO	TECO	48C	Excessive number of spans due to new span cylinder (March 15) & span adjustments (March 22). No AIC spans from March 27th to March 30th, CO pressure adjusted on span cylinder March 30th.
THC	TEI	51-CLT	Spans were inconsistent prior to calibration due to not enough pressure. The span cylinder was changed out on March 15th. Zero and span adjustments (March 22) were required after initial calibration on March 15th. A second calibration required on March 27th to readjust THC zero.
TRS	TEI	42C	Pump changed out on March 15th.
$PM_{2.5}$	R&P	1400AB	Ten (10) 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	Five (5) hours of calm observed. No other operational problems 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 March.

Parameter	Make	Model	Notes
SO_2	API	100	Eleven hours were contributed to drift due to a failing chopper motor. Chopper motor was replaced on March 17th - resulting in a second calibration on March 17th.
TRS	TEI	42C	Spans shifted downward from March 17th to the 23rd by approximately 30%, then returned to normal on March 23rd. The site was visited by the technician on March 22nd.
$PM_{2.5}$	R&P	1400AB	Two (2) hours were removed due to baseline drift. No other operational issues observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	Thirty-two (32) hours of calm observed. No other operational problems observed.
WD	Met One	020C	No operational problems observed.

PASZA – Smoky Heights Station

General Station Issues

No general station issues noted during the month of March.

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	Seven (7) hours were removed due to baseline drift. . No other operational issues observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	Four (4) hours of calm observed. No other operational problems observed.
WD	Met One	020C	No operational problems observed.

PASZA – Beaverlodge Station

General Station Issues

On March 7th the DACS was switched with one of the original DACs systems, this resulted in one (1) hour of maintenance for all parameters with the exception of the TEOM which was down for two (2) hours.

Parameter	Make	Model	Notes
SO_2	TECO	43CTL	No operational problems observed.
NOx/NO/NO_2	TECO	42C	No operational problems observed.
O_3	API	400	No operational problems observed.
$PM_{2.5}$	R&P	1400AB	Fourteen (14) hours were removed due to baseline drift. No other operational problems were observed.
AT	n/a	n/a	No operational problems observed.
RH	n/a	n/a	No operational problems observed.
WS	Blue Sky	857	Twenty (20) hours of calm observed. No other operational problems were 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: March 1, 2006 to April 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:	697
Number of 1-hr Fair Readings:	2
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-Mar-06	15	N	15	15	13	13	8	9	6	13	14	15	15	16	17	15	16	15	13	14	14	16	15	15
2-Mar-06	15	16	16	16	16	N	14	12	12	14	15	14	14	14	15	15	15	13	13	13	14	13	13	13
3-Mar-06	13	12	12	12	N	11	10	9	10	11	12	12	12	12	12	12	12	9	6	7	7	8	7	8
4-Mar-06	7	7	7	7	7	N	9	8	9	12	12	13	14	14	14	15	14	9	10	15	10	8	8	9
5-Mar-06	9	8	7	8	N	10	15	13	13	12	11	11	12	12	12	11	10	8	10	12	9	9	8	9
6-Mar-06	8	10	13	N	12	11	17	18	13	15	15	14	12	15	15	12	10	10	8	10	13	15	12	15
7-Mar-06	11	7	N	7	7	8	10	13	16	7	9	10	11	15	17	18	17	16	15	17	14	11	10	10
8-Mar-06	9	N	8	10	13	11	8	9	9	8	16	19	19	18	16	12	14	15	14	14	12	13	14	14
9-Mar-06	N	15	16	N	18	18	19	19	19	19	21	21	21	21	21	21	21	19	16	11	8	11	8	N
10-Mar-06	7	16	16	16	15	15	14	15	16	16	16	17	N	3	4	4	16	15	14	14	14	13	13	13
11-Mar-06	13	13	13	13	12	N	11	11	12	12	13	13	15	16	16	16	17	15	12	8	10	13	7	6
12-Mar-06	5	5	8	7	N	5	6	6	6	10	11	13	14	15	15	16	16	14	7	7	12	12	12	8
13-Mar-06	7	7	7	N	8	7	6	7	7	10	11	16	17	15	17	17	17	13	10	8	7	6	8	8
14-Mar-06	9	9	N	11	11	11	11	11	11	13	14	14	13	12	12	11	11	11	11	10	8	8	9	9
15-Mar-06	11	N	12	11	11	11	10	9	10	11	12	12	13	13	12	11	11	10	9	8	6	6	5	8
16-Mar-06	4	7	7	8	9	N	7	7	8	9	10	11	11	10	11	11	11	10	8	5	6	5	5	6
17-Mar-06	8	9	9	5	N	5	7	7	4	5	8	9	10	12	14	15	13	9	10	9	10	11	10	11
18-Mar-06	12	12	12	N	13	12	11	11	11	12	12	12	12	13	13	13	13	13	11	6	6	10	10	9
19-Mar-06	6	7	N	5	5	4	5	5	7	8	8	11	13	13	15	16	15	13	12	10	9	8	7	6
20-Mar-06	7	N	9	8	7	6	8	11	17	14	15	13	18	21	21	21	20	20	19	18	17	16	17	17
21-Mar-06	N	17	18	19	19	18	15	14	13	16	18	19	18	19	19	19	19	18	17	14	14	15	15	N
22-Mar-06	17	18	16	15	15	14	11	15	14	10	10	12	13	14	16	14	16	15	17	18	17	16	N	14
23-Mar-06	13	12	8	8	7	6	7	9	12	11	15	15	16	17	18	19	19	18	20	19	21	N	19	16
24-Mar-06	15	15	14	12	11	11	9	7	8	10	10	9	10	10	10	12	12	9	9	10	N	10	8	11
25-Mar-06	8	9	8	7	8	7	9	12	12	13	14	16	19	19	19	16	15	11	14	N	16	20	23	20
26-Mar-06	12	12	9	5	6	7	5	8	9	10	11	17	20	20	N	21	21	20	N	15	11	8	10	14
27-Mar-06	13	14	16	15	14	11	7	7	11	16	19	20	21	21	21	22	23	N	14	12	N	N	10	14
28-Mar-06	15	15	6	21	16	N	16	6	8	10	19	N	19	N	22	N	21	21	18	13	14	13	16	16
29-Mar-06	N	N	16	14	N	9	7	8	14	18	18	18	18	19	20	21	23	23	17	17	16	14	13	9
30-Mar-06	N	24	11	N	5	6	9	8	7	6	15	20	21	23	24	24	24	22	18	23	27	32	15	21
31-Mar-06	20	20	N	12	8	8	9	9	N	7	16	19	22	23	24	24	N	22	17	11	24	13	18	18

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

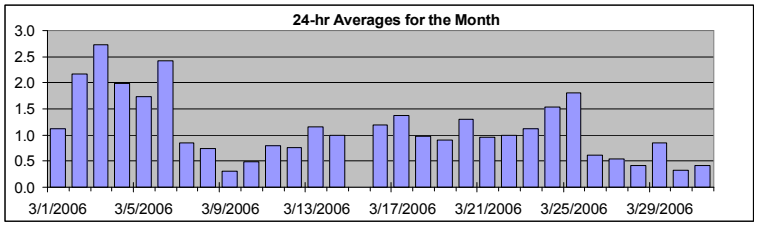
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: March 1, 2006 to April 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:	5.6	ppb	2-Mar	13:00 14:00
Maximum 24-hr Average:	2.7	ppb	3-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.7	2.9	1.5	0.9	0.5	0.2	0.1	1.1 ppb	0.9 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.1	1.8
2-Mar-06	1	1	1	1	1	A	1	1	2	3	3	4	6	6	4	3	2	2	1	1	1	1	2	2	2.2	5.6
3-Mar-06	2	2	2	2	A	4	4	4	4	4	3	4	4	3	3	3	3	3	3	2	1	1	1	1	2.7	3.9
4-Mar-06	1	1	1	1	1	A	2	2	2	3	3	3	3	3	3	3	3	3	2	2	1	1	1	1	2.0	3.4
5-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	3	3	2	1.7	2.9
6-Mar-06	2	2	2	A	2	2	2	3	3	3	4	4	3	4	3	3	2	3	2	2	1	1	1	1	2.4	3.8
7-Mar-06	1	1	A	0	1	1	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0.8	2.0
8-Mar-06	0	A	0	0	1	1	1	2	2	1	1	1	1	0	1	1	1	0	0	0	1	1	0	1	0.7	2.0
9-Mar-06	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	A	0.3	0.7
10-Mar-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.5	0.7
11-Mar-06	0	0	0	0	0	A	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0.8	1.5
12-Mar-06	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	1	0.8	1.9
13-Mar-06	0	0	0	A	0	0	0	1	1	1	1	2	2	2	3	3	3	2	1	1	1	1	1	1	1.2	2.8
14-Mar-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1.0	1.4
15-Mar-06	1	A	1	1	1	1	2	2	2	2	2	C	C	C	C	A	A	1	1	2	1	1	2	1	N	2.5
16-Mar-06	1	1	2	1	1	A	2	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1.2	2.2
17-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	1	1	1	1.4	2.2
18-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1.0	1.5
19-Mar-06	1	1	A	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0.9	1.6
20-Mar-06	0	A	1	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1.3	2.4
21-Mar-06	A	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	A	1.0	1.6
22-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.0	1.5
23-Mar-06	1	1	1	1	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	A	1	1	1.1	2.2
24-Mar-06	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	1	A	1	1	1	1.5	2.9
25-Mar-06	2	2	2	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	A	1	1	2	1	1.8	2.9
26-Mar-06	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	A	4	0	0	0	0	0.6	3.7
27-Mar-06	0	0	0	0	0	0	0	0	1	1	1	0	1	2	1	0	0	A	1	1	1	1	0	1	0.5	1.7
28-Mar-06	1	1	0	0	0	A	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
29-Mar-06	0	0	0	0	A	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	0.8	1.8
30-Mar-06	1	0	0	A	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
31-Mar-06	0	0	A	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	2	0	0	0.4	2.0
Hourly Avg	0.9	0.8	0.8	0.7	0.7	0.8	1.0	1.1	1.2	1.4	1.4	1.5	1.6	1.6	1.5	1.4	1.4	1.3	1.1	1.1	0.9	1.0	0.9	0.9		
Hourly Max	2.3	2.1	1.7	2.3	2.1	3.9	3.6	3.6	3.7	3.6	3.6	4.2	5.5	5.6	3.7	3.4	3.3	3.2	2.7	3.7	2.3	2.8	2.9	2.4		

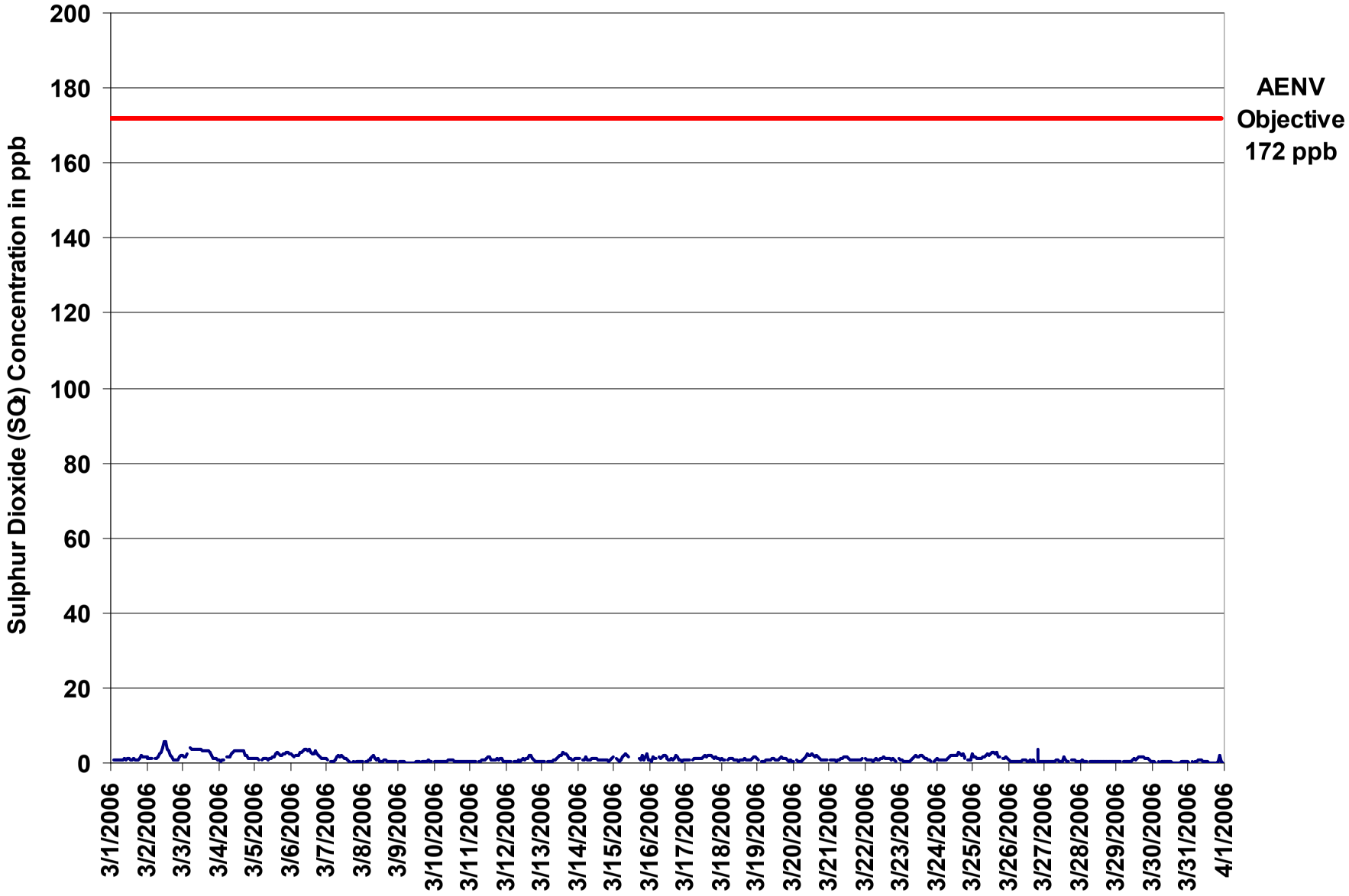


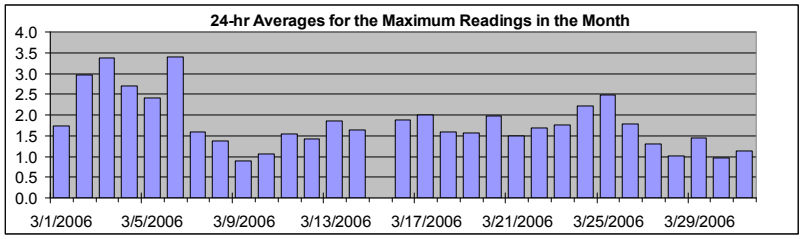
Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

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



Summary

Maximum 1-hr Value:	11.3	ppb	26-Mar	19:00 20:00
Maximum 24-hr Value:	3.4	ppb	6-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	5.2	3.9	2.2	1.6	1.1	0.8	0.7	1.8 ppb	1.6 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-Mar-06	2	A	2	2	1	1	1	2	1	2	1	2	2	2	1	2	2	2	1	2	3	2	2	2	1.7	2.6
2-Mar-06	2	2	2	2	2	A	2	2	3	3	4	5	6	6	6	4	4	3	2	2	1	1	3	3	3.0	6.4
3-Mar-06	3	2	2	3	A	5	4	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2	2	2	3.4	4.7
4-Mar-06	1	1	1	2	2	A	2	2	3	3	4	4	4	4	4	4	4	4	3	3	2	2	2	2	2.7	4.2
5-Mar-06	2	2	2	1	A	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	3	2.4	3.7
6-Mar-06	3	3	3	A	3	3	4	4	4	4	5	4	4	5	4	4	4	5	3	2	2	2	2	2	3.4	5.2
7-Mar-06	2	1	A	1	1	1	2	2	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1.6	3.6
8-Mar-06	1	A	1	1	1	1	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.4	3.1
9-Mar-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.2
10-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.4
11-Mar-06	1	1	1	1	1	A	1	1	1	2	2	2	2	2	1	1	1	2	2	1	5	2	1	1	1.5	4.7
12-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1.4	2.5
13-Mar-06	1	1	1	A	1	1	1	1	1	2	2	2	2	3	4	3	4	4	2	2	1	2	2	2	1.9	3.9
14-Mar-06	2	2	A	2	2	3	1	1	1	2	2	2	2	2	1	2	1	1	1	2	1	1	1	2	1.6	2.9
15-Mar-06	2	A	2	2	1	2	2	3	3	3	2	C	C	C	C	A	A	2	1	4	1	3	5	1	N	5.3
16-Mar-06	1	1	2	2	2	A	2	2	2	3	3	3	2	2	1	2	1	2	3	3	1	1	1	1	1.9	3.0
17-Mar-06	2	1	1	1	A	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3	2	2	2	2.0	3.1
18-Mar-06	2	2	1	A	1	2	2	2	1	1	2	1	1	2	2	1	2	2	1	1	1	2	2	2	1.6	2.2
19-Mar-06	2	2	A	1	1	1	1	2	1	2	2	2	1	2	1	2	3	2	2	2	1	1	2	1	1.6	2.6
20-Mar-06	1	A	1	1	1	1	2	2	2	3	3	3	3	3	2	3	3	2	2	1	1	2	1	1	2.0	3.2
21-Mar-06	A	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	1	1	2	1	1	2	A	1.5	2.1
22-Mar-06	2	1	1	1	1	1	2	2	3	1	2	2	2	2	2	2	2	2	1	2	1	1	A	2	1.7	2.7
23-Mar-06	2	1	1	1	1	1	1	2	2	3	3	3	3	3	2	2	2	2	2	1	1	A	1	2	1.8	3.0
24-Mar-06	2	1	2	2	1	1	1	2	2	2	3	3	3	3	4	3	3	3	3	2	A	2	1	2	2.2	3.7
25-Mar-06	3	2	2	2	2	2	2	2	2	3	3	2	4	3	3	3	3	2	2	A	2	2	2	2	2.5	3.5
26-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	2	2	1	A	11	1	1	1	1	1.8	11.3
27-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	A	2	1	1	1	1	1	1.3	3.2
28-Mar-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	1.0	1.4
29-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1	1	1.5	2.7
30-Mar-06	1	1	1	A	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6
31-Mar-06	1	1	A	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	6	1	1	1.1	5.6
Hourly Avg	1.6	1.4	1.4	1.3	1.2	1.4	1.6	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.1	2.1	2.0	1.8	2.1	1.6	1.7	1.7	1.5		
Hourly Max	3.2	2.9	2.8	3.1	3.0	4.7	4.2	4.3	4.2	4.2	5.2	5.3	6.3	6.4	5.7	4.3	3.9	4.7	3.3	11.3	4.7	5.6	5.3	3.1		

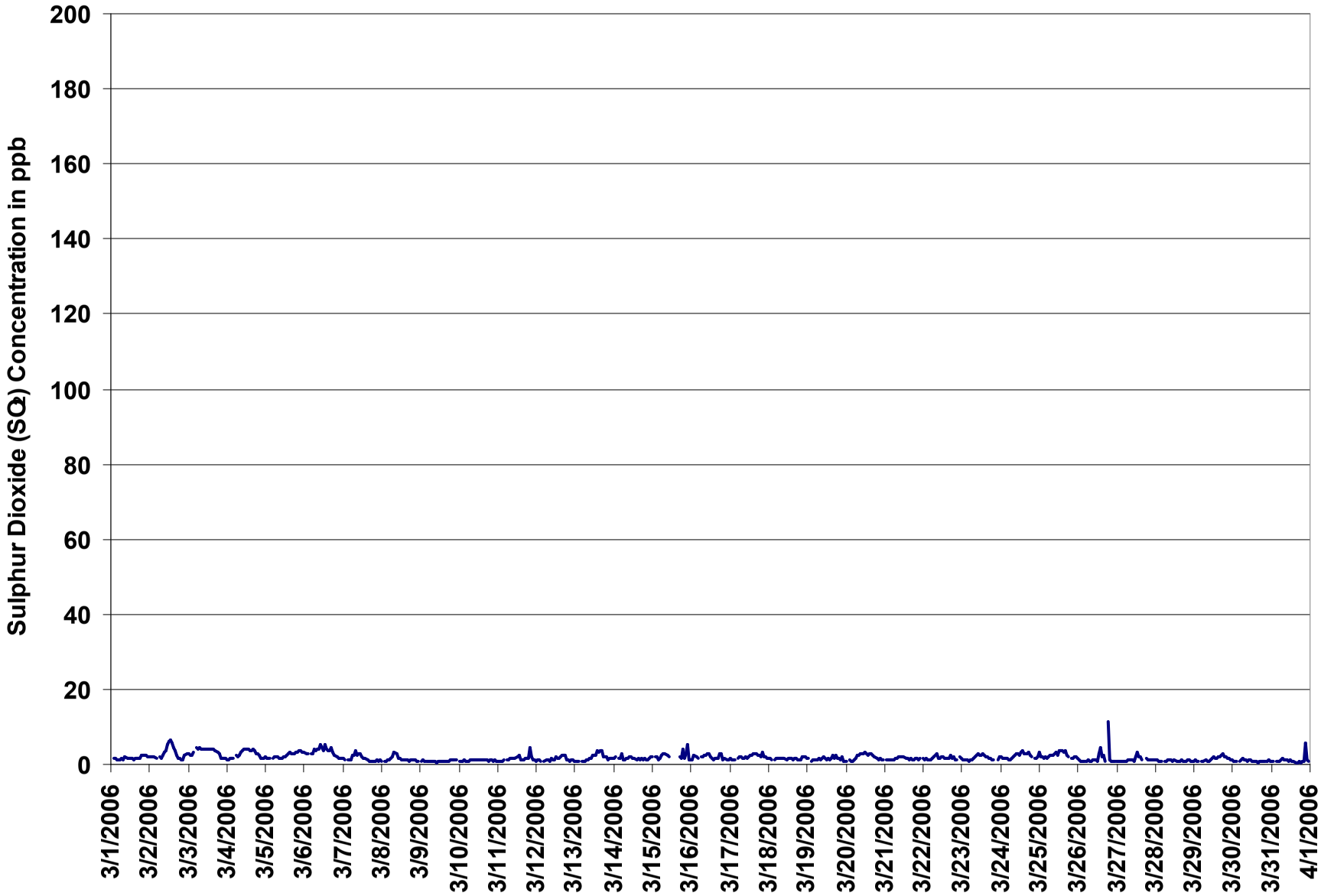
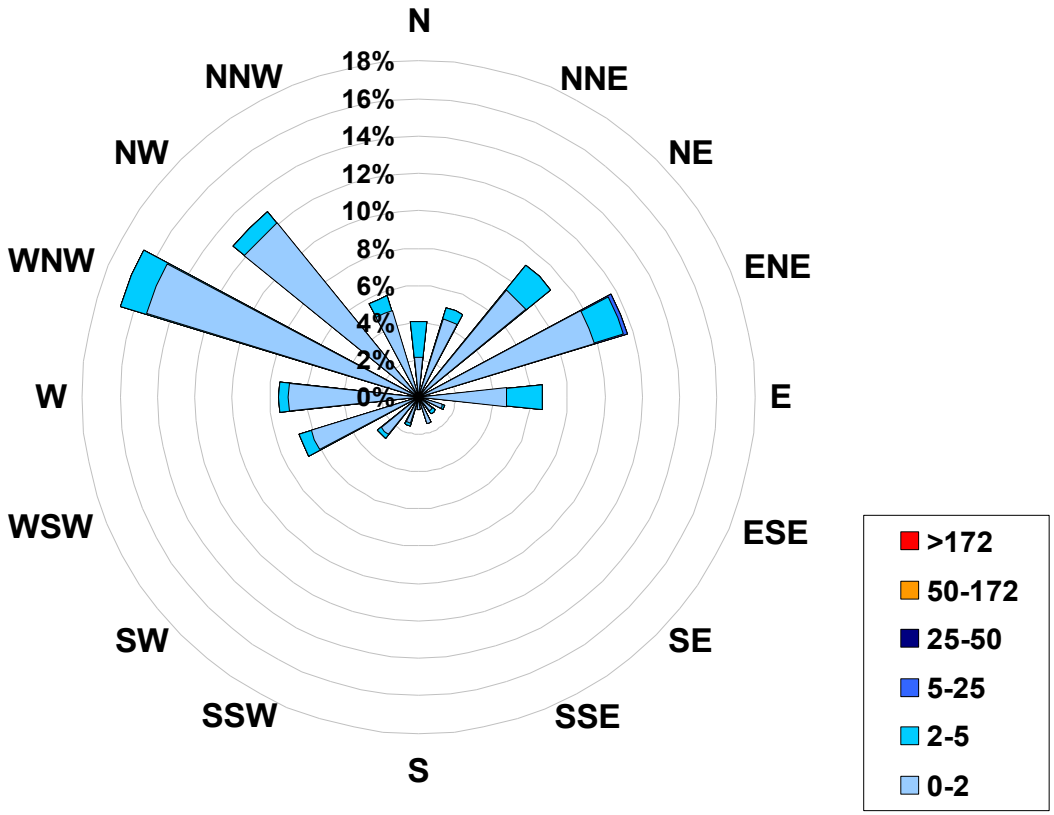


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	610
2	to	5	94
5	to	25	2
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			706

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

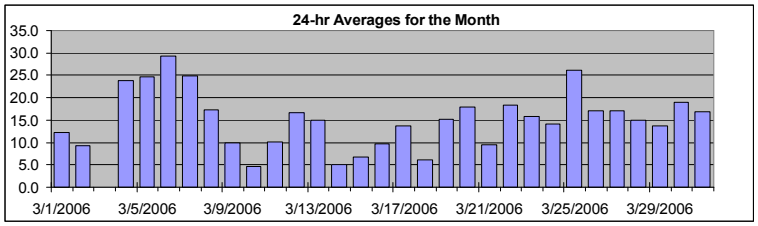
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: March 1, 2006 to April 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:	54.3	ppb	7-Mar	7:00 8:00
Maximum 24-hr Average:	29.4	ppb	6-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	42.5	35.9	22.1	12.1	6.2	2.9	1.9	15.2 ppb	12.1 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-Mar-06	8	A	8	8	11	12	22	38	26	12	9	6	7	6	5	13	11	12	17	13	11	9	8	7	12.1	38.2
2-Mar-06	6	6	6	6	7	A	10	11	12	8	6	6	7	8	8	8	10	13	14	15	12	12	12	10	9.3	14.7
3-Mar-06	10	10	10	10	A	12	13	16	14	11	9	C	C	C	C	C	A	15	26	29	23	21	31	34	N	33.9
4-Mar-06	30	28	30	29	29	A	37	34	26	25	10	8	8	8	8	8	9	19	35	43	35	32	30	26	23.8	42.7
5-Mar-06	24	25	18	20	A	29	32	32	23	14	11	10	11	12	18	24	25	26	35	42	35	39	34	25	24.6	41.6
6-Mar-06	35	37	37	A	37	35	42	45	35	34	33	26	16	28	24	26	31	28	29	24	21	15	22	14	29.4	44.9
7-Mar-06	22	28	A	24	21	36	40	54	50	30	28	31	21	16	14	13	12	13	13	9	14	21	23	41	24.9	54.3
8-Mar-06	36	A	24	20	13	18	32	38	37	29	12	8	5	7	10	18	14	9	11	11	14	13	10	9	17.3	38.3
9-Mar-06	A	7	7	6	3	3	5	7	7	6	4	4	5	4	4	4	5	9	14	26	32	24	30	A	9.9	32.4
10-Mar-06	29	4	3	3	6	7	8	5	4	3	2	2	2	2	3	3	3	3	4	3	3	3	2	2	4.6	29.4
11-Mar-06	2	2	2	2	3	A	5	6	4	4	2	2	2	2	2	3	2	5	13	31	41	42	31	26	10.2	42.2
12-Mar-06	20	19	13	13	A	22	27	24	19	23	10	6	5	5	5	6	6	9	29	30	22	18	19	36	16.7	35.6
13-Mar-06	30	28	19	A	15	17	25	27	20	18	19	8	4	4	5	8	7	14	15	15	17	17	8	6	15.1	29.6
14-Mar-06	4	3	A	4	3	4	5	6	5	4	3	3	2	4	5	6	6	6	6	8	9	8	7	7	5.0	9.2
15-Mar-06	4	A	4	3	3	3	5	6	5	4	3	2	2	3	5	6	5	7	9	11	16	13	15	23	6.8	22.9
16-Mar-06	18	10	9	7	6	A	9	9	7	5	4	3	4	8	5	5	6	7	13	20	17	21	17	14	9.7	20.5
17-Mar-06	10	8	9	20	A	21	28	28	18	17	12	9	9	7	5	5	11	21	24	18	10	8	9	8	13.7	27.9
18-Mar-06	5	4	4	A	4	4	5	4	3	3	2	2	2	2	2	2	3	4	8	23	25	11	9	11	6.1	24.8
19-Mar-06	24	31	A	14	14	19	23	19	10	10	16	8	4	5	5	5	7	10	13	16	19	20	31	24	15.1	31.3
20-Mar-06	28	A	37	31	28	27	31	31	32	22	10	18	9	7	7	8	8	10	11	11	13	13	10	9	17.8	37.0
21-Mar-06	A	8	7	6	7	9	15	17	18	11	6	5	6	5	5	6	6	9	10	16	14	13	11	A	9.5	17.5
22-Mar-06	8	8	10	11	12	14	45	46	38	27	25	21	19	14	10	19	15	16	13	12	13	13	A	12	18.4	45.9
23-Mar-06	13	14	20	33	31	27	31	29	27	17	9	8	8	7	7	8	9	12	11	14	10	A	8	8	15.8	33.4
24-Mar-06	8	8	8	9	10	12	17	22	17	12	12	20	18	15	14	11	12	17	18	18	A	18	17	11	14.0	22.1
25-Mar-06	15	22	24	14	14	18	29	30	28	21	20	20	24	28	30	22	22	23	33	A	42	42	43	39	26.1	42.8
26-Mar-06	32	29	20	21	27	29	22	16	12	12	17	10	6	5	4	5	5	7	A	17	25	34	25	14	17.1	33.8
27-Mar-06	17	15	11	12	13	18	29	31	23	13	8	6	5	5	6	3	3	A	17	20	31	32	37	39	17.1	38.5
28-Mar-06	37	36	18	18	16	A	24	23	26	20	5	5	6	4	3	5	5	6	9	19	21	18	12	9	14.9	36.8
29-Mar-06	8	6	7	12	A	21	29	33	12	5	4	5	6	6	5	7	7	9	19	16	19	28	20	32	13.7	33.2
30-Mar-06	40	33	21	A	20	25	38	34	28	22	13	6	5	5	4	3	3	6	8	29	42	26	20	4	18.9	42.5
31-Mar-06	4	5	A	18	33	35	40	38	25	30	12	6	3	2	2	3	3	7	16	31	42	18	9	8	16.9	42.3
Hourly Avg	18.2	16.1	14.3	14.0	14.8	18.3	23.2	24.5	19.7	15.2	10.8	9.1	7.8	7.8	7.7	8.7	9.1	11.7	16.3	19.6	21.6	20.0	18.7	17.5		
Hourly Max	40.0	36.8	37.4	33.4	36.8	35.6	45.1	54.3	49.7	33.9	33.3	30.8	24.2	28.1	29.9	25.7	30.9	28.4	35.0	42.7	42.5	42.2	42.8	40.8		

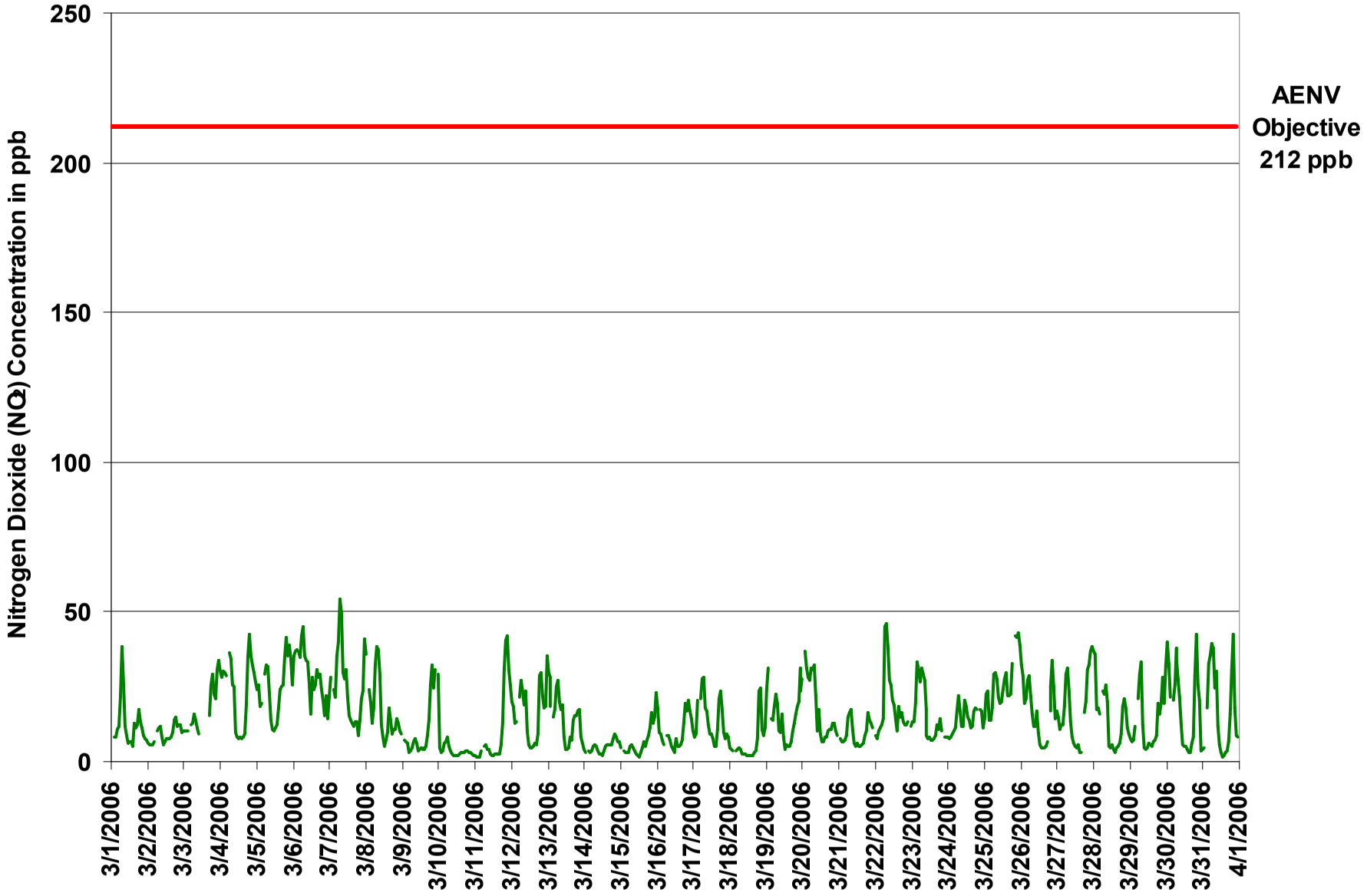


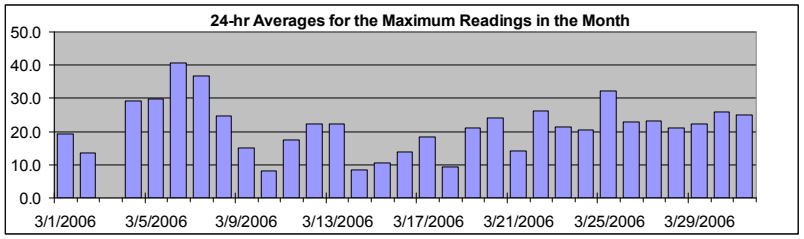
Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

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



Summary

Maximum 1-hr Value:	119.5	ppb	11-Mar	20:00 21:00
Maximum 24-hr Value:	40.8	ppb	6-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	54.9	45.0	30.7	18.2	10.2	4.5	3.0	21.3 ppb	18.2 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-Mar-06	13	A	13	15	21	18	35	45	38	24	11	10	11	10	9	29	14	18	24	20	17	15	14	17	19.2	44.6
2-Mar-06	12	8	10	7	8	A	13	16	15	18	12	9	10	11	10	15	17	19	20	24	14	15	16	13	13.5	23.9
3-Mar-06	11	13	15	13	A	16	17	22	20	16	13	C	C	C	C	C	A	23	31	35	27	28	40	40	N	40.2
4-Mar-06	36	32	35	32	34	A	42	41	31	34	16	10	11	13	11	12	19	33	43	46	43	37	32	30	29.3	46.1
5-Mar-06	29	30	22	24	A	36	40	34	29	18	13	20	14	14	24	30	30	32	42	44	43	44	42	32	29.9	44.1
6-Mar-06	39	43	46	A	45	41	66	55	39	40	51	44	24	52	33	34	42	41	38	35	34	22	43	30	40.8	65.7
7-Mar-06	34	43	A	41	33	42	79	68	61	46	43	40	29	25	19	20	17	21	25	13	21	31	41	50	36.6	78.7
8-Mar-06	42	A	29	34	19	28	40	44	45	39	17	11	9	19	21	30	25	13	16	15	18	21	13	16	24.6	45.3
9-Mar-06	A	12	16	13	6	5	7	10	9	10	8	7	8	6	7	7	9	13	18	34	48	37	42	A	15.1	47.5
10-Mar-06	50	7	5	6	12	15	12	11	10	6	4	4	4	4	5	5	5	5	8	5	5	4	4	3	8.2	49.5
11-Mar-06	3	2	3	3	7	A	11	10	7	7	4	3	3	3	4	4	4	11	33	36	119	52	40	30	17.4	119.5
12-Mar-06	25	22	21	22	A	27	29	29	25	34	14	8	10	7	9	9	8	17	37	36	29	24	25	52	22.4	52.3
13-Mar-06	35	39	36	A	19	31	32	34	29	35	23	17	6	6	7	18	13	21	22	20	22	26	14	8	22.2	38.6
14-Mar-06	6	5	A	4	5	6	9	10	7	6	4	11	3	6	7	13	9	9	8	12	16	14	11	11	8.4	16.0
15-Mar-06	7	A	5	5	5	5	7	8	6	7	4	3	2	6	7	15	7	12	13	23	26	18	24	25	10.4	25.6
16-Mar-06	25	14	14	10	8	A	12	12	10	7	5	4	8	10	15	9	11	12	20	24	22	26	23	17	13.7	25.5
17-Mar-06	17	13	16	25	A	28	30	33	25	20	16	11	11	10	7	7	22	30	30	22	13	10	13	11	18.3	33.0
18-Mar-06	8	5	6	A	5	6	6	6	4	4	4	4	4	3	3	4	4	6	12	34	31	26	12	18	9.3	34.1
19-Mar-06	31	36	A	20	18	26	25	25	16	14	19	15	6	8	8	8	9	14	21	20	30	26	55	36	21.0	54.9
20-Mar-06	36	A	45	36	32	30	37	35	38	38	16	25	15	14	12	12	16	16	13	13	31	16	14	13	24.0	45.2
21-Mar-06	A	10	8	8	9	17	24	23	22	16	12	9	9	9	10	10	11	12	16	21	22	16	15	A	14.1	23.7
22-Mar-06	14	13	20	18	21	25	53	57	62	34	35	26	23	23	13	29	26	22	17	19	18	21	A	19	26.3	61.7
23-Mar-06	18	19	36	36	35	31	34	31	31	32	15	11	15	15	11	12	13	18	18	21	18	A	11	10	21.3	36.5
24-Mar-06	10	14	16	13	14	16	26	28	24	16	22	32	21	19	20	22	18	23	25	23	A	28	30	14	20.5	31.8
25-Mar-06	26	27	30	24	23	30	35	33	31	27	26	22	30	30	37	26	26	30	38	A	47	49	49	44	32.1	49.5
26-Mar-06	37	33	27	29	30	33	27	19	16	18	23	15	11	8	7	7	7	10	A	35	35	44	35	20	22.8	43.6
27-Mar-06	23	19	17	18	16	34	34	36	28	18	13	9	9	8	10	7	9	A	29	34	37	40	42	43	23.1	43.3
28-Mar-06	41	44	29	24	20	A	29	28	31	33	8	8	9	9	12	12	13	10	14	31	29	25	15	12	21.1	44.2
29-Mar-06	10	13	13	19	A	34	45	48	27	6	5	7	8	8	9	13	14	15	32	32	28	45	33	43	22.2	48.5
30-Mar-06	45	42	33	A	25	33	46	37	39	25	22	8	8	8	7	7	6	12	14	44	47	40	40	5	25.9	47.4
31-Mar-06	5	6	A	36	40	40	51	47	32	39	20	9	8	4	6	10	12	25	26	48	51	31	16	11	24.9	51.2
Hourly Avg	23.7	20.8	20.9	19.8	19.6	25.1	30.7	30.1	26.0	22.1	16.1	13.8	11.3	12.2	11.9	14.6	14.5	18.0	23.4	27.2	31.4	27.6	26.8	23.2		
Hourly Max	49.5	44.2	45.8	41.0	45.3	42.3	78.7	67.9	61.7	45.9	50.8	44.5	29.8	51.7	36.5	34.1	42.4	40.8	42.7	47.7	119.5	52.5	54.9	52.3		

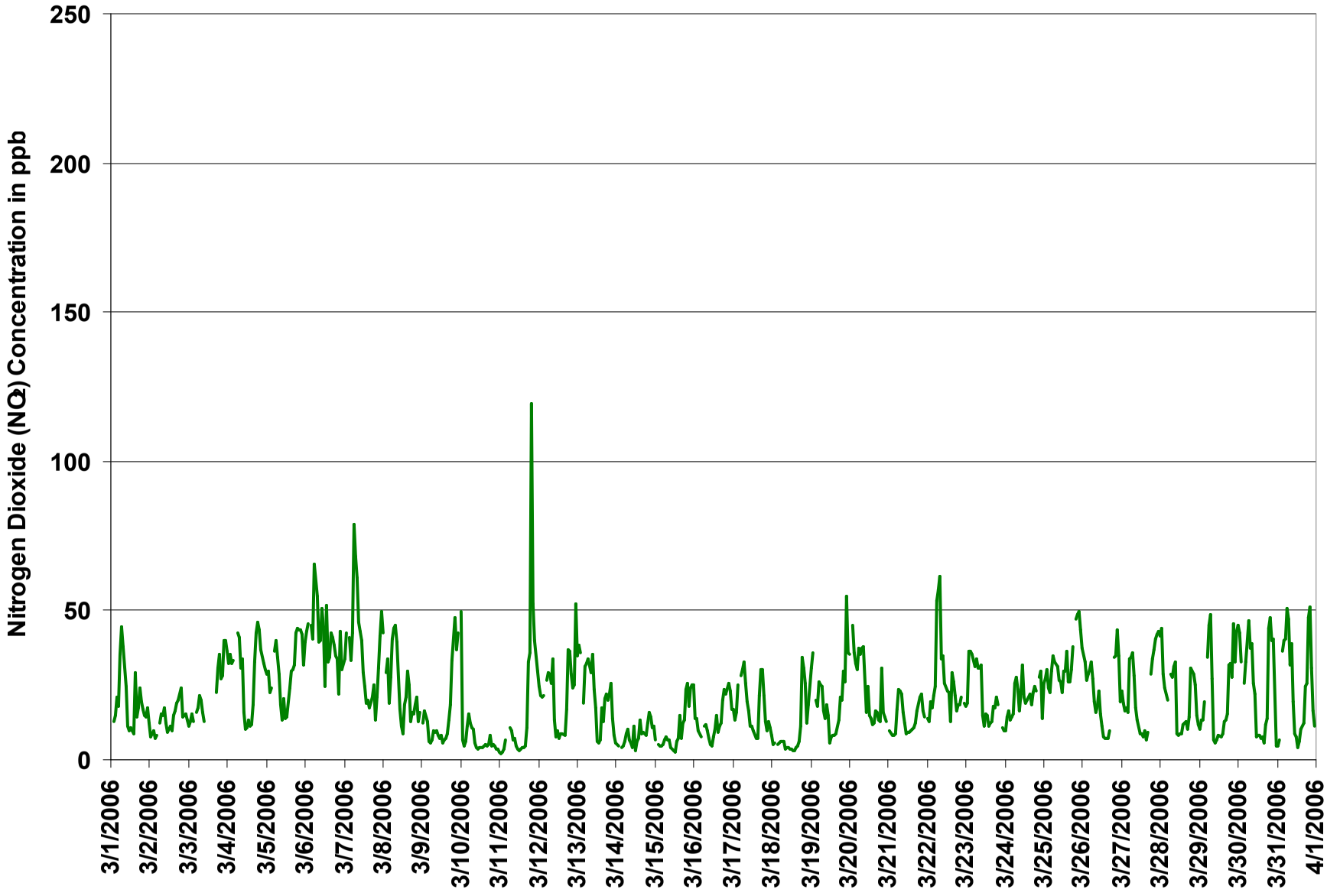
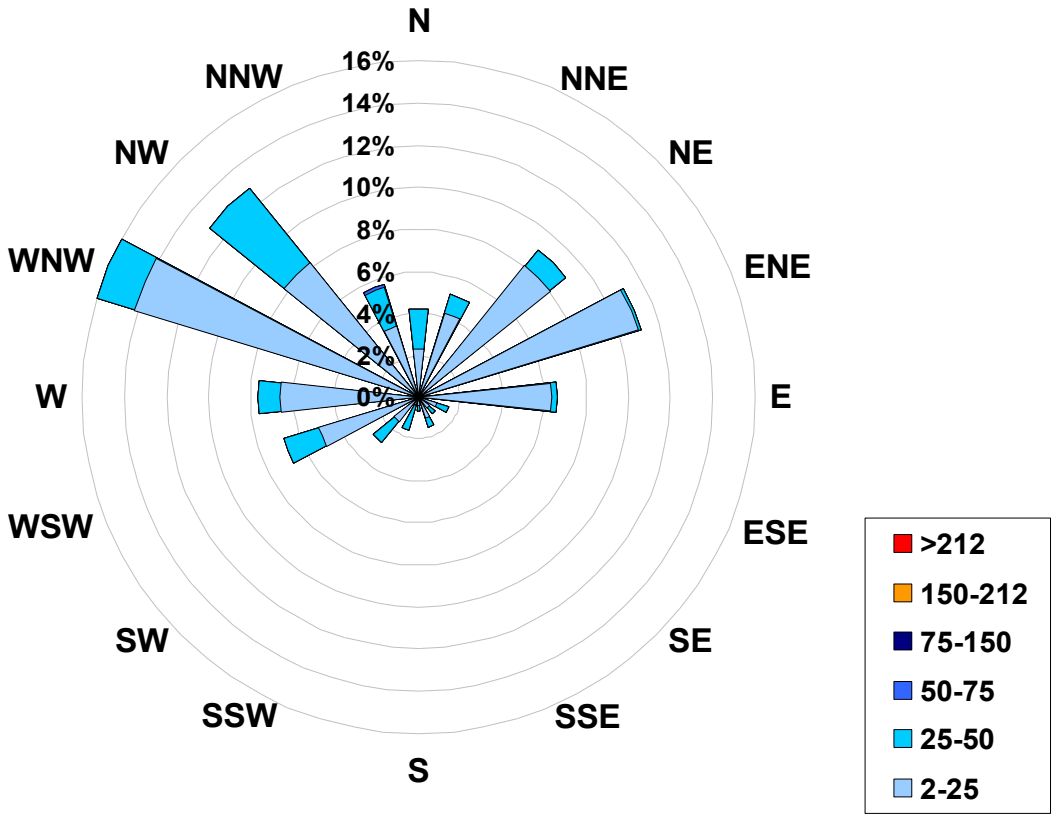


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	640
25	to	50	45
50	to	75	5
75	to	150	16
150	to	212	0
	>	212	0
Total Non-Zero Values			706

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

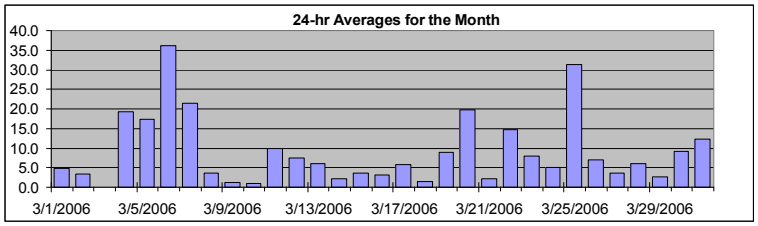
Nitric Oxide (NO)

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

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

Summary

Maximum 1-hr Average:	140.2	ppb	7-Mar	8:00 9:00
Maximum 24-hr Average:	36.2	ppb	6-Mar	



AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	101.1	40.6	8.1	2.9	1.1	0.1	0.0	9.2 ppb	2.9 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

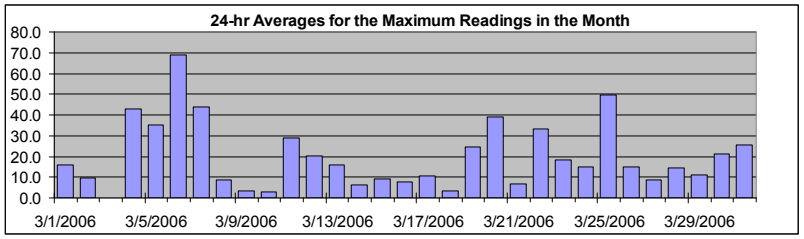
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	3	A	2	2	4	1	3	22	12	6	5	4	5	5	3	9	5	4	3	3	3	2	2	2	4.9	22.2
2-Mar-06	1	1	1	1	1	A	1	2	4	5	4	6	7	8	6	6	5	6	4	4	2	1	1	1	3.4	7.5
3-Mar-06	1	1	1	1	A	1	2	3	4	4	4	C	C	C	C	C	A	8	11	10	4	3	9	18	N	18.1
4-Mar-06	8	8	13	11	10	A	50	42	19	27	6	6	5	6	5	5	5	8	21	86	42	38	16	7	19.2	85.6
5-Mar-06	3	5	1	1	A	15	38	53	34	13	12	13	13	12	20	21	17	12	14	44	19	25	11	2	17.3	52.6
6-Mar-06	16	24	45	A	44	30	105	132	89	91	79	38	16	32	20	21	22	12	5	3	3	2	2	1	36.2	132.5
7-Mar-06	0	1	A	2	1	7	32	128	140	36	35	43	24	12	9	7	5	3	2	1	1	1	1	5	21.5	140.2
8-Mar-06	2	A	0	0	0	0	5	12	21	15	4	3	1	2	2	5	3	1	1	1	1	1	1	0	3.6	21.1
9-Mar-06	A	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	1	1	3	1	1	A	1.2	3.1
10-Mar-06	5	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.9	5.0
11-Mar-06	0	0	0	0	0	A	1	1	1	3	2	2	2	2	1	1	1	2	3	6	41	101	47	10	9.9	101.2
12-Mar-06	2	1	0	1	A	4	12	23	14	35	10	5	5	4	4	4	3	3	11	3	4	3	1	19	7.5	35.2
13-Mar-06	4	3	2	A	0	2	6	16	16	20	27	8	3	3	3	4	3	6	3	3	3	3	1	0	6.0	27.0
14-Mar-06	0	0	A	0	0	0	1	1	2	2	2	3	2	4	6	6	4	3	1	1	3	3	1	1	2.1	5.7
15-Mar-06	0	A	0	0	0	0	1	1	2	3	3	2	2	4	5	7	4	5	4	5	9	4	6	16	3.6	16.3
16-Mar-06	5	1	1	0	0	A	1	1	3	3	3	3	4	8	4	4	3	4	4	5	3	6	3	1	3.1	8.5
17-Mar-06	1	0	0	1	A	4	14	28	11	15	11	8	8	6	3	2	4	9	5	1	1	1	1	0	5.8	27.5
18-Mar-06	0	0	0	A	0	0	1	1	1	2	2	2	2	2	2	2	2	2	2	7	5	1	0	0	1.5	6.7
19-Mar-06	4	10	A	2	1	5	15	21	12	16	30	12	4	6	5	4	4	5	3	2	2	2	37	7	9.0	36.9
20-Mar-06	9	A	38	16	15	18	55	95	103	48	8	21	7	3	3	4	3	3	2	1	1	1	1	1	19.8	102.7
21-Mar-06	A	0	0	0	0	1	3	4	6	4	2	2	3	3	3	3	3	3	2	3	2	1	1	A	2.3	5.9
22-Mar-06	1	1	1	1	1	1	43	96	60	26	24	18	20	13	6	11	6	3	2	1	1	2	A	1	14.7	95.5
23-Mar-06	1	0	1	7	10	6	19	39	43	21	5	5	5	4	3	3	3	4	2	1	1	A	1	0	8.0	43.0
24-Mar-06	0	1	1	1	1	1	5	8	7	4	5	18	15	13	9	8	5	6	4	2	A	1	1	0	5.1	17.6
25-Mar-06	0	0	5	1	1	4	20	47	49	29	28	21	33	29	36	16	18	11	12	A	26	87	136	111	31.3	136.1
26-Mar-06	47	24	4	3	3	7	4	7	9	10	18	7	3	2	2	2	2	2	A	1	1	2	1	0	7.0	47.2
27-Mar-06	0	0	0	0	0	0	2	10	12	7	4	3	3	2	3	1	1	A	2	2	2	2	3	23	3.7	22.7
28-Mar-06	29	31	1	1	1	A	4	10	22	17	1	2	2	2	1	2	2	2	1	2	2	2	1	1	6.1	31.5
29-Mar-06	1	1	1	0	A	1	6	18	5	2	2	3	3	3	2	2	2	2	2	1	0	2	0	4	2.7	18.4
30-Mar-06	17	13	4	A	2	11	44	29	30	18	7	2	2	2	1	1	1	1	1	6	16	2	1	0	9.2	43.7
31-Mar-06	0	0	A	0	5	17	58	99	37	30	6	2	2	1	1	1	1	1	2	2	15	2	1	0	12.4	98.5
Hourly Avg	5.5	4.7	4.5	2.0	3.8	5.4	17.8	30.6	24.9	16.6	11.3	8.8	6.9	6.5	5.8	5.6	4.7	4.3	4.4	6.9	7.3	10.1	9.5	8.0		
Hourly Max	47.2	31.5	45.0	16.5	43.9	30.1	104.6	132.5	140.2	91.4	78.9	42.6	32.9	31.8	36.2	21.4	22.3	12.0	21.1	85.6	41.9	101.2	136.1	111.0		

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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



Summary

Maximum 1-hr Value:	316.8	ppb	11-Mar	20:00 21:00
Maximum 24-hr Value:	68.9	ppb	6-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	170.2	80.7	19.6	9.6	3.5	1.0	0.5	20.4 ppb	9.6 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-Mar-06	15	A	10	13	13	5	12	52	27	25	15	8	11	13	9	31	14	13	12	8	13	11	11	19	15.8	52.4
2-Mar-06	8	6	4	3	3	A	2	6	18	15	12	12	14	17	13	14	13	17	13	18	9	3	2	3	9.8	18.3
3-Mar-06	1	2	13	2	A	2	4	7	7	8	9	C	C	C	C	C	A	18	31	21	7	9	48	60	N	59.5
4-Mar-06	26	19	65	25	27	A	77	69	33	53	10	8	10	12	9	8	12	23	91	171	123	70	30	16	42.7	170.6
5-Mar-06	13	16	3	5	A	56	87	76	64	21	15	26	19	17	33	31	32	23	40	70	66	55	35	8	35.4	86.9
6-Mar-06	28	67	74	A	85	71	209	216	111	134	146	89	25	70	33	54	40	37	24	16	14	13	14	12	68.9	216.5
7-Mar-06	2	9	A	15	4	19	133	189	260	91	81	59	43	18	14	12	10	5	6	1	2	3	4	24	43.7	259.7
8-Mar-06	19	A	1	2	2	2	11	29	29	30	6	4	3	8	10	14	8	3	2	1	2	2	2	4	8.4	30.1
9-Mar-06	A	4	1	1	1	1	0	1	2	3	4	4	5	3	4	3	3	3	2	3	18	3	5	A	3.2	17.8
10-Mar-06	18	0	1	0	2	4	2	2	3	4	2	2	3	3	3	3	2	3	2	2	1	1	1	0	2.7	18.1
11-Mar-06	0	0	1	1	2	A	3	3	3	5	4	4	3	3	3	3	2	7	24	17	317	139	99	21	28.9	316.8
12-Mar-06	4	3	3	10	A	10	30	55	23	77	13	8	14	11	8	9	6	12	26	12	19	15	6	91	20.2	90.7
13-Mar-06	16	12	14	A	2	12	17	45	33	62	38	21	6	5	5	14	7	14	13	9	7	10	2	2	15.9	62.4
14-Mar-06	1	1	A	1	1	1	2	4	5	4	4	13	3	7	8	19	12	7	3	7	12	19	11	3	6.4	19.4
15-Mar-06	1	A	1	1	1	1	2	3	4	5	5	5	3	8	8	19	9	13	16	17	27	14	18	31	9.2	30.7
16-Mar-06	11	2	2	1	1	A	2	4	6	4	5	4	9	13	19	10	20	13	16	11	7	12	7	3	7.8	20.2
17-Mar-06	5	0	1	3	A	11	31	46	22	21	18	12	11	9	4	3	15	14	13	2	3	3	3	1	10.8	45.9
18-Mar-06	1	1	1	A	1	1	1	2	2	3	4	4	4	4	4	4	4	3	3	19	8	6	1	2	3.5	18.6
19-Mar-06	13	20	A	6	4	32	27	44	21	26	35	27	8	10	9	11	7	7	15	4	10	9	156	64	24.5	155.7
20-Mar-06	31	A	67	27	30	36	103	177	137	115	21	61	15	12	10	11	9	10	6	3	9	3	3	2	39.1	176.8
21-Mar-06	A	1	1	4	2	4	11	8	9	6	8	5	5	10	8	8	11	8	10	11	19	3	2	A	7.0	19.1
22-Mar-06	7	7	12	12	13	2	115	164	172	46	40	28	25	26	10	24	15	6	3	7	5	13	A	15	33.4	171.9
23-Mar-06	8	6	13	22	17	15	54	55	57	53	16	10	10	14	7	9	9	12	9	11	7	A	2	2	18.2	57.5
24-Mar-06	1	21	8	10	8	9	18	25	18	8	23	40	20	18	17	29	16	10	17	17	A	3	5	2	14.9	39.7
25-Mar-06	3	3	12	5	3	22	92	81	64	44	46	29	45	35	48	31	24	20	23	A	78	123	163	146	49.5	163.4
26-Mar-06	91	41	37	10	6	16	8	14	16	23	30	13	7	4	4	4	3	3	A	3	2	8	2	1	15.0	91.3
27-Mar-06	1	1	1	1	1	3	6	18	17	10	7	5	5	5	5	3	7	A	9	13	10	8	19	41	8.4	41.1
28-Mar-06	47	49	4	4	5	A	13	24	43	32	3	5	4	6	5	10	11	6	4	17	18	18	1	1	14.3	48.5
29-Mar-06	2	10	10	1	A	33	31	50	15	3	3	4	5	5	4	7	10	10	7	7	2	9	5	20	10.9	49.5
30-Mar-06	46	33	18	A	4	33	88	53	67	24	17	3	3	3	3	3	2	3	2	30	30	19	6	0	21.3	88.5
31-Mar-06	0	0	A	6	15	28	118	146	72	51	12	4	10	2	4	7	7	18	10	14	35	14	8	3	25.4	146.2
Hourly Avg	14.5	12.3	13.9	7.0	9.6	16.5	42.3	53.8	43.9	32.5	21.0	17.3	11.7	12.2	10.7	13.6	11.4	11.4	15.1	18.2	29.4	20.6	22.4	20.6		
Hourly Max	91.3	67.3	73.9	27.5	85.5	70.6	209.1	216.5	259.7	134.2	145.6	89.0	45.3	69.9	47.8	54.0	39.9	37.1	90.8	170.6	316.8	138.5	163.4	145.9		

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

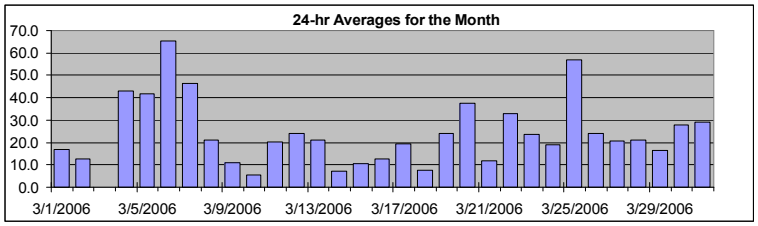
Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

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

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



Summary

Maximum 1-hr Average:	189.2	ppb	7-Mar	8:00 9:00
Maximum 24-hr Average:	65.3	ppb	6-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	140.6	71.4	30.8	15.3	8.6	3.9	3.1	24.4 ppb	15.3 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-Mar-06	11	A	10	10	14	13	25	60	38	18	14	10	12	11	8	21	16	16	21	16	14	11	10	10	16.8	60.2
2-Mar-06	8	6	6	6	7	A	11	13	16	13	10	12	15	15	14	14	15	19	18	19	14	14	14	11	12.7	19.0
3-Mar-06	11	11	12	11	A	14	15	19	18	16	14	C	C	C	C	C	A	23	37	39	27	24	40	52	N	52.0
4-Mar-06	39	36	43	40	39	A	87	76	45	52	16	14	13	15	13	13	14	27	56	128	77	71	46	33	43.1	128.0
5-Mar-06	27	31	19	21	A	44	70	84	57	26	22	23	24	24	38	45	42	37	49	86	54	64	45	27	41.8	85.6
6-Mar-06	51	60	82	A	80	65	146	177	124	125	112	64	32	60	44	47	53	40	34	27	23	17	24	15	65.3	176.7
7-Mar-06	22	29	A	26	22	43	72	181	189	66	62	73	46	28	23	19	17	16	15	9	15	22	24	46	46.3	189.2
8-Mar-06	38	A	24	21	13	18	37	50	58	44	16	12	6	9	12	23	17	11	12	11	15	14	11	10	21.0	58.5
9-Mar-06	A	8	7	6	3	4	5	7	8	8	5	6	7	6	7	6	7	11	15	27	35	25	32	A	11.1	35.4
10-Mar-06	34	5	3	4	7	8	9	6	4	4	3	3	3	4	4	4	4	4	5	4	4	4	3	2	5.6	34.4
11-Mar-06	2	2	2	2	4	A	6	7	6	7	5	4	4	4	4	4	4	7	16	37	82	143	77	35	20.2	143.0
12-Mar-06	22	19	13	14	A	26	39	47	33	59	20	11	10	9	9	10	8	12	40	33	26	21	20	54	24.2	58.6
13-Mar-06	34	32	20	A	15	19	30	43	36	37	46	16	7	7	8	13	10	19	19	18	20	20	9	6	21.1	45.7
14-Mar-06	4	3	A	4	3	4	6	7	7	6	5	5	4	8	11	11	10	8	7	9	12	11	8	8	7.0	12.1
15-Mar-06	5	A	4	3	3	4	6	7	7	6	5	5	4	7	10	14	9	12	13	17	25	17	20	39	10.4	39.1
16-Mar-06	23	11	10	7	6	A	9	10	10	9	7	6	9	16	9	9	9	11	17	25	20	26	19	15	12.8	26.4
17-Mar-06	11	8	9	21	A	25	41	55	29	32	24	17	17	13	8	7	15	30	29	18	10	9	10	8	19.5	55.4
18-Mar-06	5	4	4	A	4	5	5	5	4	4	4	4	4	4	4	4	5	6	9	30	29	12	9	11	7.6	30.1
19-Mar-06	28	41	A	16	15	24	38	40	22	25	46	20	8	12	10	9	11	15	16	18	21	22	68	31	24.1	67.8
20-Mar-06	37	A	75	47	43	45	86	125	134	69	18	39	16	10	10	12	12	13	12	12	14	14	11	9	37.6	134.5
21-Mar-06	A	8	7	7	7	10	18	21	23	15	9	7	9	8	8	9	9	12	12	19	16	14	12	A	11.8	23.4
22-Mar-06	9	9	12	13	13	15	88	141	98	53	49	39	39	27	17	29	21	20	15	14	13	15	A	12	33.0	140.9
23-Mar-06	14	14	21	40	41	33	51	68	70	38	13	12	13	11	10	11	12	16	13	15	11	A	9	9	23.7	69.9
24-Mar-06	8	9	9	10	11	13	22	30	24	16	17	38	33	28	23	19	17	23	21	19	A	18	18	11	19.1	37.8
25-Mar-06	15	23	28	15	14	22	49	76	77	50	47	41	57	56	66	38	39	33	45	A	67	128	178	149	57.1	178.2
26-Mar-06	79	53	23	24	30	36	26	23	21	22	34	17	9	7	7	7	7	8	A	18	26	36	26	15	24.1	79.3
27-Mar-06	17	15	11	13	13	19	31	41	36	21	12	9	8	7	8	4	4	A	19	21	33	34	39	61	20.7	61.0
28-Mar-06	66	67	18	19	17	A	28	33	47	37	7	6	8	6	4	7	7	8	10	21	24	20	12	10	20.9	67.0
29-Mar-06	8	7	8	12	A	22	35	51	17	6	6	7	9	8	7	9	9	10	21	17	20	30	20	36	16.3	51.4
30-Mar-06	57	46	25	A	22	36	81	63	57	39	19	7	7	6	5	4	4	7	9	35	59	28	21	4	27.8	80.9
31-Mar-06	4	5	A	18	37	52	98	136	61	61	18	8	5	2	3	5	5	8	18	33	57	19	10	9	29.2	135.8
Hourly Avg	23.7	20.7	18.7	16.0	18.6	23.7	40.9	54.9	44.5	31.7	22.1	17.9	14.6	14.3	13.5	14.3	13.7	16.0	20.7	26.5	28.8	30.0	28.1	25.5		
Hourly Max	79.3	67.0	82.0	47.5	80.4	64.5	146.0	181.3	189.2	124.8	111.8	73.2	56.9	59.7	65.8	47.0	53.1	40.3	55.9	128.0	81.5	143.0	178.2	149.0		

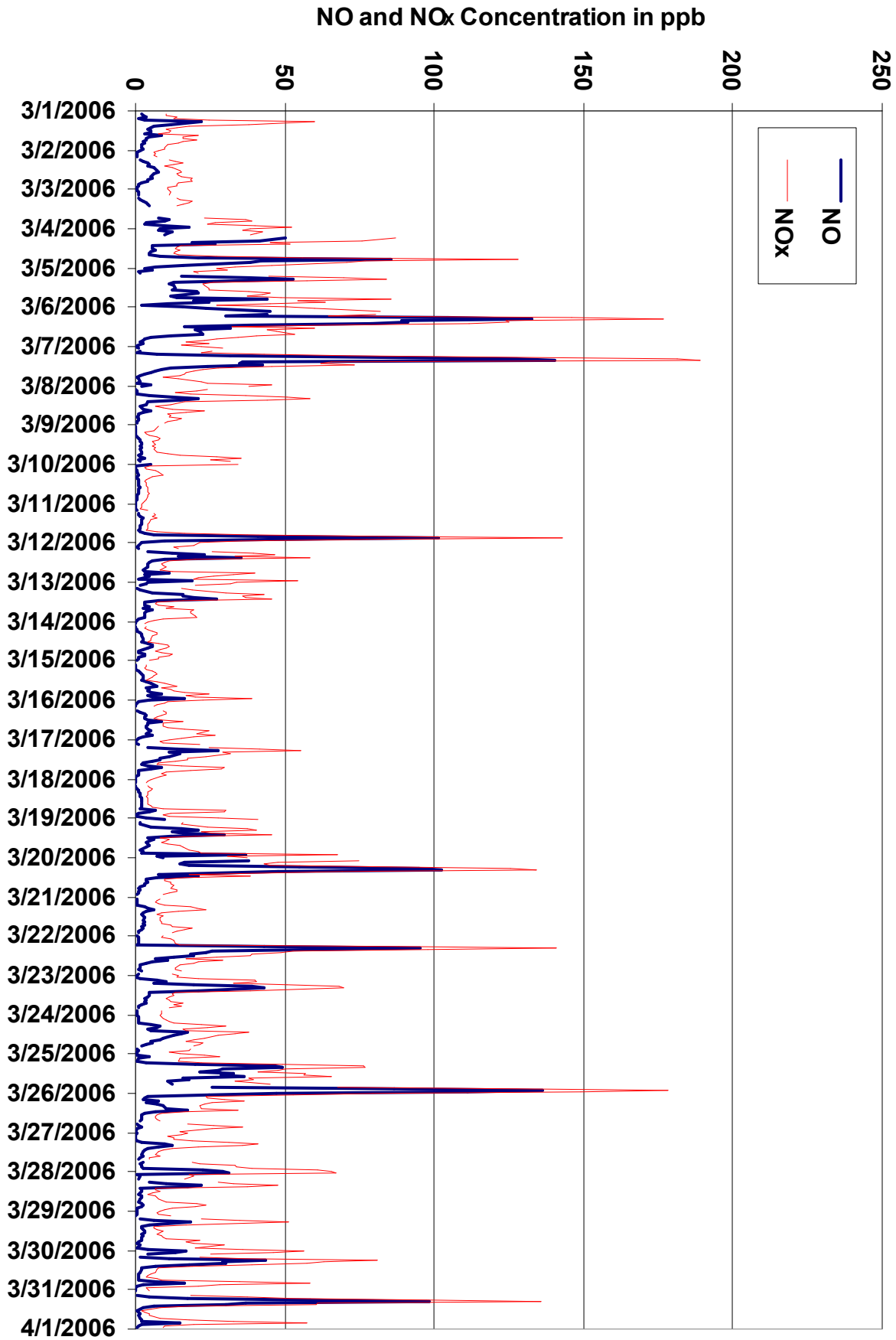


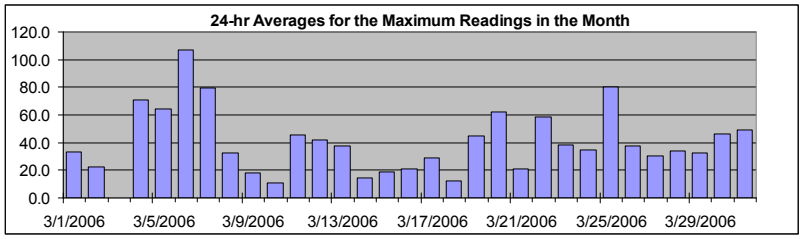
Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

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



Summary

Maximum 1-hr Value:	433.1	ppb	11-Mar	20:00 21:00
Maximum 24-hr Value:	106.8	ppb	6-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	211.2	122.6	49.6	28.0	14.9	6.5	4.5	40.8 ppb	28.0 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-Mar-06	27	A	21	27	29	22	45	89	64	49	25	18	22	23	18	61	26	30	33	24	28	25	26	36	33.3	89.5
2-Mar-06	21	12	14	9	11	A	15	20	33	29	24	22	21	28	21	29	27	36	32	40	23	17	18	16	22.6	39.7
3-Mar-06	13	15	27	15	A	18	21	29	26	24	20	C	C	C	C	C	A	36	54	56	33	37	87	99	N	98.5
4-Mar-06	61	51	94	57	60	A	115	109	61	87	26	18	20	25	20	20	30	55	133	210	163	106	61	46	70.8	210.0
5-Mar-06	41	45	25	29	A	90	127	110	91	39	28	44	33	31	57	58	62	55	82	114	109	97	76	40	64.5	126.5
6-Mar-06	64	109	119	A	130	109	259	270	147	170	195	133	50	121	65	82	81	76	61	48	44	30	52	41	106.8	270.1
7-Mar-06	35	51	A	56	36	62	204	249	318	136	123	97	72	43	32	31	27	25	32	14	22	34	46	74	79.2	317.9
8-Mar-06	61	A	29	35	21	30	51	72	73	69	23	16	12	27	30	43	33	15	18	17	21	23	15	16	32.5	72.5
9-Mar-06	A	16	17	13	7	6	7	11	11	13	12	11	13	8	10	10	12	15	19	36	65	39	47	A	18.1	65.3
10-Mar-06	67	7	5	6	13	19	15	13	13	10	7	6	7	7	8	7	7	8	10	6	6	5	5	4	10.8	67.1
11-Mar-06	3	2	3	4	9	A	14	12	10	12	9	7	6	6	8	7	7	15	50	53	433	187	138	51	45.5	433.1
12-Mar-06	29	24	23	31	A	36	59	81	48	110	26	16	23	17	16	16	15	29	61	48	48	40	31	142	42.2	142.3
13-Mar-06	50	49	50	A	21	42	49	79	61	98	61	38	11	10	12	31	19	35	28	29	28	34	15	10	37.4	97.6
14-Mar-06	6	5	A	5	5	7	11	14	11	10	8	24	7	13	15	30	20	14	11	19	26	33	22	14	14.3	32.9
15-Mar-06	8	A	7	5	5	6	8	10	10	11	9	8	6	13	15	33	14	24	28	36	53	31	42	55	19.0	54.8
16-Mar-06	36	16	15	10	8	A	13	14	13	11	10	8	16	24	34	16	31	25	30	32	28	38	30	20	20.7	37.8
17-Mar-06	22	13	16	28	A	39	62	77	46	40	34	23	23	19	11	10	36	43	42	23	14	12	16	11	28.7	77.0
18-Mar-06	8	5	6	A	6	6	7	7	5	6	7	7	7	6	7	8	8	8	13	51	39	32	13	19	12.3	50.6
19-Mar-06	39	55	A	26	22	57	50	68	37	40	53	42	12	18	17	19	15	20	33	24	40	30	205	99	44.5	204.9
20-Mar-06	65	A	110	62	62	64	134	211	171	151	36	85	30	25	22	23	26	26	18	15	39	18	17	14	62.0	211.3
21-Mar-06	A	11	9	12	10	21	32	31	30	22	19	14	15	19	18	18	22	20	25	32	41	20	17	A	20.8	41.3
22-Mar-06	21	19	32	29	34	25	160	217	229	80	75	54	47	48	23	53	41	27	19	26	21	32	A	34	58.7	229.3
23-Mar-06	26	21	42	57	48	45	87	85	87	83	31	22	25	28	18	21	22	28	26	28	25	A	13	11	38.2	86.9
24-Mar-06	10	35	25	23	22	25	39	52	37	24	45	71	41	35	36	51	34	33	39	38	A	30	34	15	34.6	71.0
25-Mar-06	27	29	42	28	25	51	127	110	95	71	71	51	72	64	84	56	48	50	56	A	122	163	210	185	79.9	209.6
26-Mar-06	128	73	63	38	34	46	34	29	32	41	53	28	18	11	11	11	10	12	A	37	37	52	37	20	37.3	128.0
27-Mar-06	24	20	17	18	17	37	40	53	45	28	20	13	14	12	15	10	16	A	34	46	42	48	56	83	30.7	82.5
28-Mar-06	85	85	32	28	25	A	40	51	74	61	11	14	13	13	17	21	23	15	16	42	46	39	16	13	34.0	85.3
29-Mar-06	12	23	21	20	A	67	76	93	42	9	8	10	13	12	12	19	23	25	38	39	29	53	37	62	32.3	92.9
30-Mar-06	90	72	47	A	28	66	134	89	105	49	39	11	11	11	10	10	8	15	16	73	73	59	46	4	46.3	134.3
31-Mar-06	4	6	A	42	54	64	166	191	102	89	31	13	18	6	9	16	20	43	34	61	83	45	24	14	49.4	191.3
Hourly Avg	37.3	32.3	33.8	26.4	28.5	40.8	71.0	82.3	68.6	53.9	36.7	30.8	22.6	24.1	22.3	27.4	25.4	28.6	36.4	44.0	59.4	47.0	48.3	43.1		
Hourly Max	128.0	109.3	119.4	62.2	129.6	108.5	258.8	270.1	317.9	170.4	195.4	133.1	72.5	121.1	83.7	81.7	81.0	75.9	133.5	210.0	433.1	186.8	209.6	184.7		

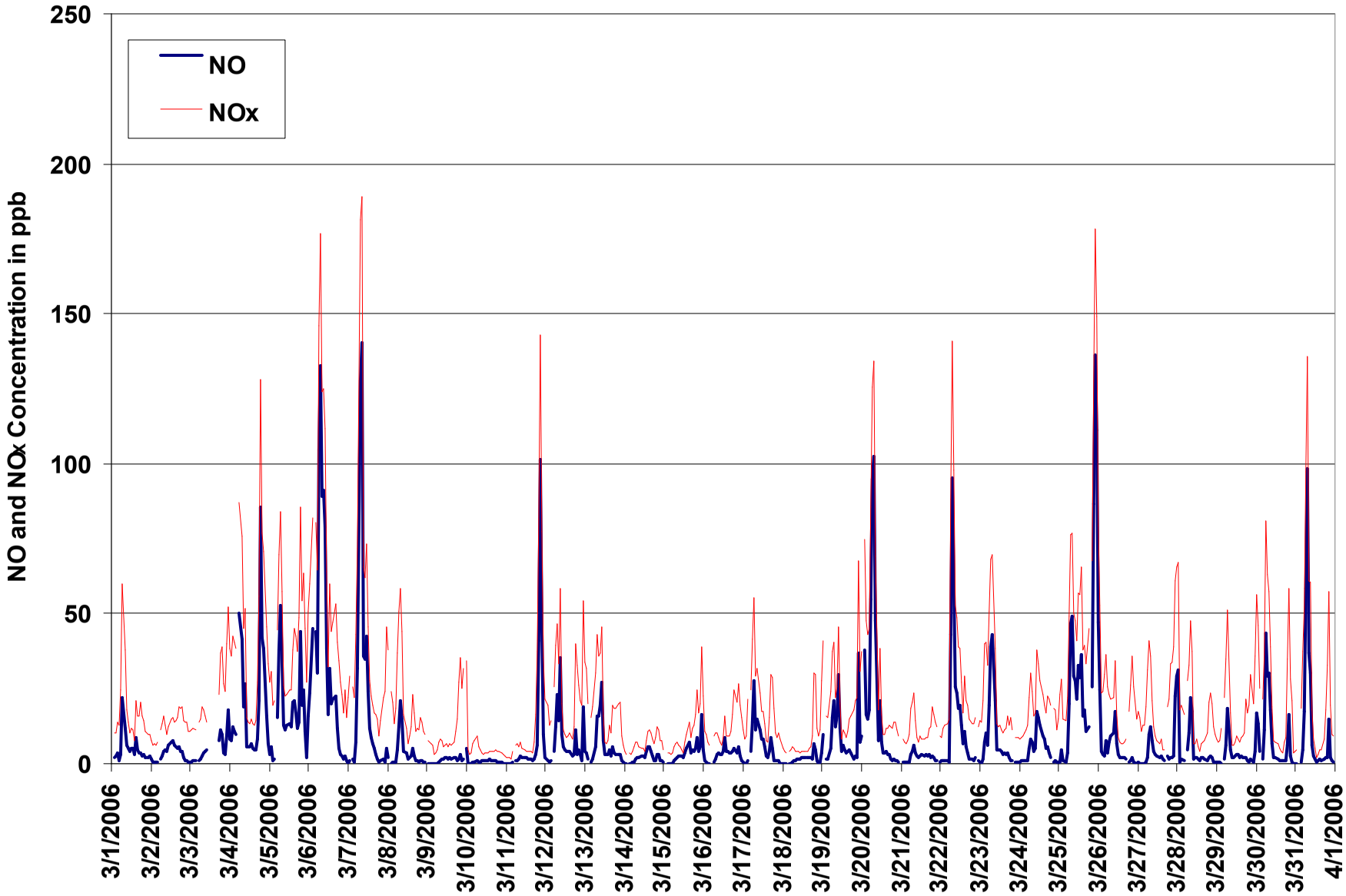


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

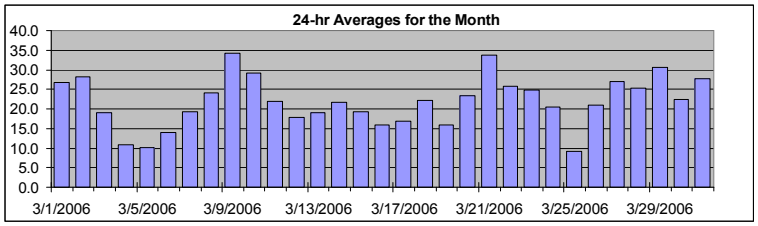
Ozone (O_3)

Monitoring Dates: March 1, 2006 to April 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:	48.2	ppb	31-Mar	16:00 17:00
Maximum 24-hr Average:	34.3	ppb	9-Mar	



AIC Time:	34 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	46.2	41.3	30.4	23.0	13.1	0.9	0.0	21.8 ppb	23.0 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-Mar-06	29	A	29	29	27	25	17	4	13	26	28	30	30	32	33	30	32	31	25	27	29	31	31	31	26.8	33.2
2-Mar-06	31	31	31	32	31	A	28	25	24	27	29	29	28	28	30	30	30	26	25	25	27	27	26	26	28.1	31.5
3-Mar-06	25	24	24	24	A	21	20	18	19	22	23	24	25	25	24	25	24	19	9	6	14	15	6	3	19.1	25.3
4-Mar-06	2	2	1	1	2	A	1	1	7	12	24	26	27	27	29	29	28	19	5	1	0	0	2	5	11.0	29.3
5-Mar-06	6	5	10	8	A	2	1	1	6	14	19	22	24	25	22	18	16	15	5	0	2	1	2	9	10.1	24.7
6-Mar-06	1	0	0	A	1	0	1	1	2	5	9	17	24	22	26	24	20	20	16	19	25	30	24	30	13.9	30.2
7-Mar-06	22	13	A	13	15	4	1	1	3	13	18	17	22	29	34	35	34	32	30	34	29	22	20	5	19.4	35.3
8-Mar-06	6	A	16	20	27	21	9	5	8	17	31	37	39	37	33	25	27	31	29	29	25	25	27	29	24.0	38.8
9-Mar-06	A	30	32	32	36	37	37	37	37	39	41	42	42	42	41	42	41	37	32	22	16	22	16	A	34.3	42.2
10-Mar-06	15	31	32	32	29	29	28	30	32	32	33	33	C	C	A	A	32	31	28	28	27	27	27	26	29.2	33.1
11-Mar-06	26	26	26	26	24	A	23	22	23	24	26	27	29	31	32	33	33	31	24	7	3	1	0	3	21.8	33.4
12-Mar-06	7	10	16	15	A	7	1	3	10	11	21	27	28	29	30	32	33	29	12	14	23	25	23	7	17.9	32.6
13-Mar-06	5	6	14	A	16	14	7	6	14	20	19	31	33	30	34	34	34	25	20	15	14	12	16	16	19.1	34.3
14-Mar-06	17	19	A	21	22	22	21	21	23	25	27	27	27	24	23	22	23	22	22	20	17	17	19	19	21.8	27.1
15-Mar-06	21	A	23	23	22	21	19	19	20	21	23	25	25	25	24	22	23	20	17	15	11	13	10	1	19.3	25.4
16-Mar-06	6	13	14	16	17	A	15	14	16	18	20	21	21	20	22	22	22	21	16	9	11	8	10	12	15.8	21.9
17-Mar-06	16	19	19	7	A	7	1	2	8	11	15	18	20	24	29	30	26	18	14	19	21	23	21	21	16.8	29.8
18-Mar-06	25	24	24	A	25	23	22	22	23	23	23	24	24	25	26	27	26	26	22	9	8	19	21	19	22.2	26.7
19-Mar-06	7	1	A	9	10	6	1	5	13	16	17	22	25	26	29	31	29	26	23	19	17	17	7	10	16.0	31.3
20-Mar-06	6	A	0	1	1	0	0	1	4	20	30	26	36	42	43	41	41	39	37	36	33	32	33	34	23.3	42.7
21-Mar-06	A	34	36	38	38	36	30	28	26	32	36	38	37	37	38	38	38	35	34	27	29	29	30	A	33.8	38.2
22-Mar-06	35	36	32	30	29	27	0	1	8	14	16	22	25	29	33	29	32	31	34	35	34	33	A	29	25.9	35.9
23-Mar-06	25	23	16	1	0	3	0	2	7	22	31	31	33	35	37	37	38	37	41	39	42	A	38	33	24.8	42.0
24-Mar-06	30	29	27	25	22	21	17	13	17	20	20	14	16	19	20	24	23	18	18	20	A	19	16	22	20.5	29.5
25-Mar-06	17	8	5	13	13	8	0	2	4	10	13	13	15	14	14	19	19	18	7	A	0	1	1	0	9.3	19.4
26-Mar-06	0	0	5	6	2	1	6	10	15	21	22	35	41	40	42	42	42	40	A	29	21	12	20	29	20.9	42.5
27-Mar-06	25	27	31	30	29	22	14	13	22	32	38	41	42	43	42	44	45	A	28	24	12	11	6	0	27.1	45.4
28-Mar-06	0	2	13	10	12	A	7	10	9	20	38	39	38	41	44	43	42	41	37	27	23	26	31	31	25.2	43.6
29-Mar-06	32	34	33	27	A	19	11	11	29	36	36	36	36	38	40	42	46	46	35	35	32	19	25	8	30.6	46.0
30-Mar-06	2	1	5	A	6	1	1	4	7	11	29	39	43	46	47	47	48	44	37	14	0	17	22	41	22.3	47.9
31-Mar-06	40	40	A	23	4	0	0	1	7	15	31	38	43	47	48	47	48	44	34	19	6	27	36	36	27.6	48.2
Hourly Avg	16.5	18.1	19.1	18.9	17.7	14.6	11.0	10.7	14.7	20.3	25.5	28.1	29.9	31.1	32.2	32.2	32.1	29.0	23.9	20.8	18.5	18.8	18.9	18.4		
Hourly Max	39.6	39.7	36.0	38.2	37.8	36.9	37.1	37.5	37.4	38.8	41.4	42.2	43.4	46.8	47.8	47.5	48.2	46.0	40.9	38.8	42.0	32.6	38.1	41.4		

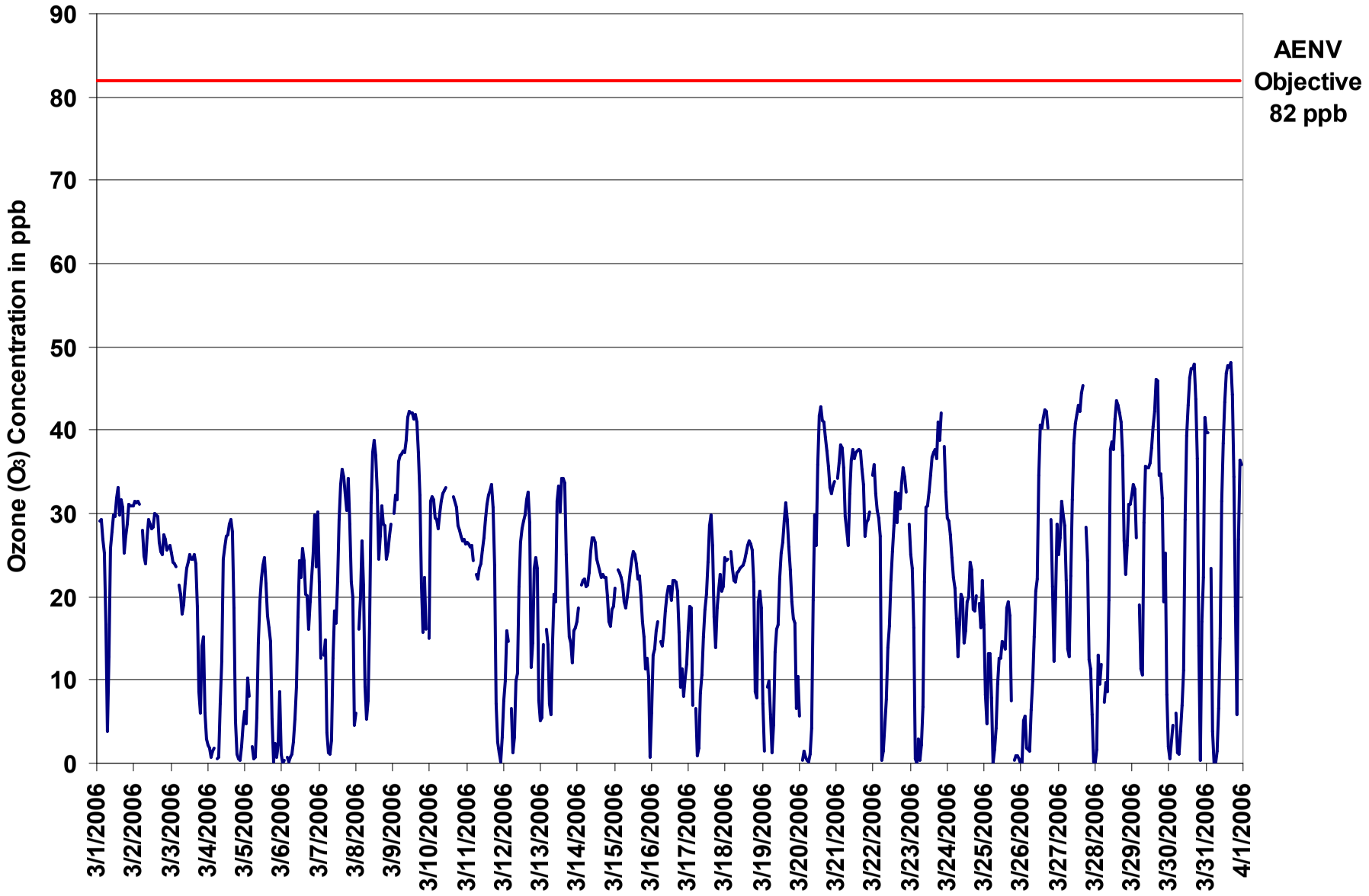


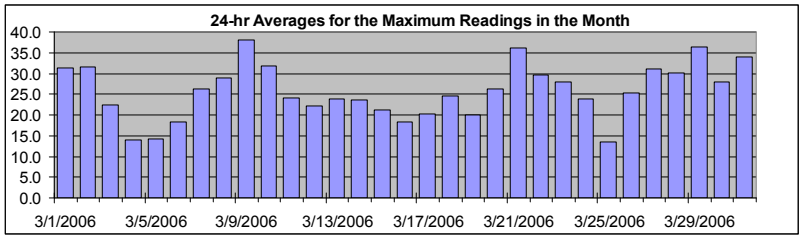
Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

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



Summary

Maximum 1-hr Value:	55.5	ppb	2-Mar	14:00 15:00
Maximum 24-hr Value:	38.0	ppb	9-Mar	

AIC Time:	34 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	49.3	44.0	33.6	26.4	18.4	3.2	0.9	25.6 ppb	26.4 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-Mar-06	31	A	30	31	31	29	23	9	23	28	30	49	32	35	39	35	35	35	31	32	33	35	33	34	31.4	49.3
2-Mar-06	34	34	33	33	34	A	32	28	27	29	31	30	30	31	55	32	32	30	28	29	29	29	28	28	31.6	55.5
3-Mar-06	27	25	26	25	A	24	23	21	22	24	26	26	26	26	26	26	26	23	16	12	18	19	17	12	22.5	26.9
4-Mar-06	4	5	2	5	6	A	2	3	13	22	26	27	29	29	31	30	30	23	12	4	3	2	6	7	13.9	30.6
5-Mar-06	9	11	14	11	A	12	3	2	12	18	23	23	26	26	26	20	19	22	17	1	5	4	6	14	14.1	26.1
6-Mar-06	7	1	1	A	5	3	2	2	5	8	16	24	30	26	31	30	29	24	21	27	30	32	33	36	18.4	36.3
7-Mar-06	27	22	A	27	25	12	15	7	11	19	23	19	26	32	38	42	38	37	34	37	35	32	30	13	26.2	41.7
8-Mar-06	12	A	30	29	29	27	15	9	11	27	35	40	41	40	38	34	31	33	33	31	28	28	29	34	28.8	40.7
9-Mar-06	A	33	37	36	39	39	38	40	39	42	43	44	44	43	43	44	43	40	36	29	30	30	25	A	38.0	44.1
10-Mar-06	35	35	33	34	33	32	31	32	33	33	34	34	C	C	A	A	33	32	30	29	29	28	28	27	31.8	35.1
11-Mar-06	27	27	27	27	26	A	25	24	25	26	27	29	31	32	33	34	34	34	30	12	8	4	1	9	24.0	34.2
12-Mar-06	11	14	19	19	A	11	3	7	15	18	26	28	30	31	32	33	34	31	24	19	28	27	26	23	22.3	34.3
13-Mar-06	12	17	21	A	21	19	14	11	22	24	27	36	35	33	36	37	37	31	26	19	17	17	18	18	23.8	37.2
14-Mar-06	18	20	A	23	23	23	23	23	24	27	28	28	27	26	25	24	24	24	24	23	20	19	21	21	23.5	28.1
15-Mar-06	22	A	24	24	23	23	21	20	21	23	24	26	26	26	25	24	24	24	20	18	15	15	15	3	21.2	26.4
16-Mar-06	12	16	17	17	18	A	16	16	17	20	22	22	23	21	23	23	23	23	21	12	16	14	16	15	18.4	23.5
17-Mar-06	19	20	22	16	A	13	4	7	13	13	18	20	23	27	30	31	30	23	18	24	25	25	23	23	20.3	31.3
18-Mar-06	26	25	25	A	27	25	24	23	24	24	24	25	25	27	28	28	27	27	25	20	13	24	24	24	24.6	27.5
19-Mar-06	12	4	A	13	13	11	3	10	18	17	19	25	26	28	31	33	31	29	26	24	23	21	20	21	19.9	33.1
20-Mar-06	14	A	3	5	3	2	1	2	7	31	33	30	41	43	45	43	43	42	40	38	36	34	35	35	26.4	45.1
21-Mar-06	A	36	39	40	39	38	34	32	31	35	39	39	39	39	39	39	39	38	36	33	31	32	32	A	36.2	39.8
22-Mar-06	37	37	36	32	32	30	15	3	12	19	22	26	28	32	35	33	39	35	39	39	36	35	A	31	29.7	39.5
23-Mar-06	28	25	24	2	4	9	3	4	10	31	32	33	35	36	39	39	40	39	44	43	44	A	41	36	27.9	43.9
24-Mar-06	31	30	30	27	23	23	21	17	21	23	22	20	18	22	23	28	27	23	23	23	A	24	23	24	23.8	31.1
25-Mar-06	22	11	14	17	18	13	0	3	7	15	16	14	18	15	18	22	27	31	15	A	2	3	3	2	13.4	31.4
26-Mar-06	0	0	11	10	7	6	9	12	19	26	29	38	44	43	43	44	44	44	A	36	30	23	27	33	25.2	44.4
27-Mar-06	28	30	35	35	33	27	17	18	28	35	42	43	44	45	45	47	48	A	33	31	20	20	12	2	31.2	47.5
28-Mar-06	1	12	19	14	17	A	12	15	13	40	40	41	40	44	45	46	45	43	41	32	30	31	34	34	30.1	46.2
29-Mar-06	35	35	35	33	A	24	22	21	36	37	37	37	38	40	42	45	49	49	44	45	37	35	34	25	36.3	49.3
30-Mar-06	6	3	9	A	12	5	8	6	13	16	40	41	48	49	49	49	50	49	43	35	3	28	41	44	28.0	49.8
31-Mar-06	41	42	A	36	23	0	1	6	13	32	36	46	45	49	50	51	51	50	43	33	21	35	40	39	33.9	51.2
Hourly Avg	20.3	21.1	22.8	22.9	21.7	18.5	14.9	14.0	18.9	25.2	28.7	31.0	32.3	33.3	35.4	34.9	34.9	32.9	29.2	26.3	23.3	23.5	24.1	23.0		
Hourly Max	40.9	41.7	38.5	39.8	39.0	38.6	38.2	39.8	38.9	42.0	42.9	49.3	47.6	49.2	55.5	51.2	51.0	49.6	44.1	44.6	43.9	35.0	40.8	44.2		

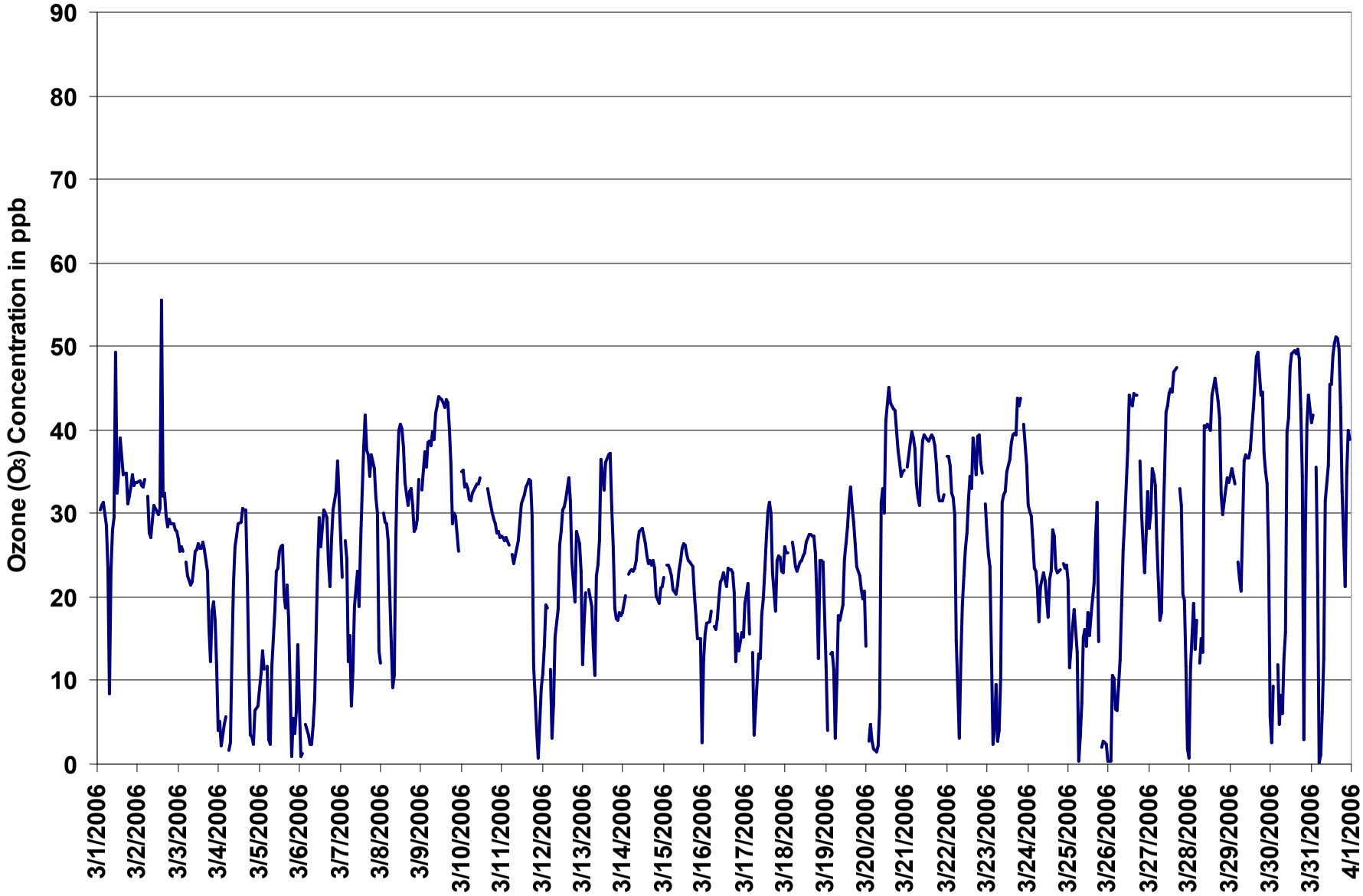
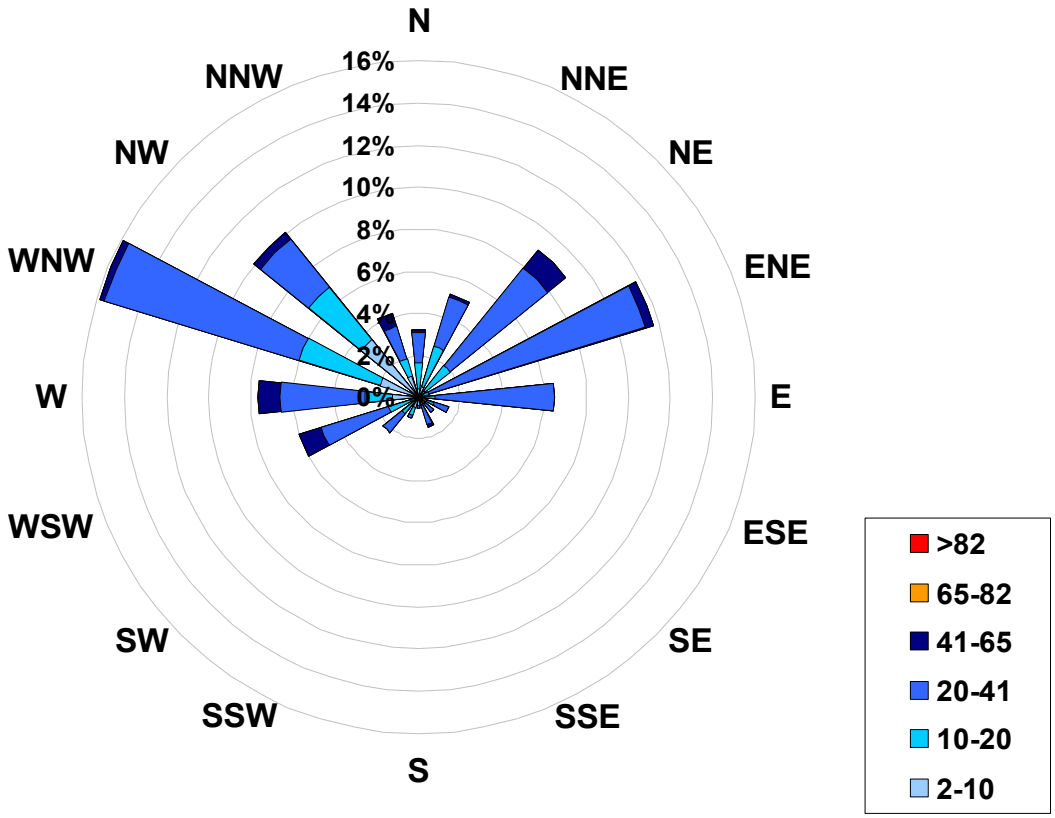


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	147
10	to	20	138
20	to	41	383
41	to	65	40
65	to	82	0
	>	82	0
Total Non-Zero Values			708

PASZA - Henry Pirker - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

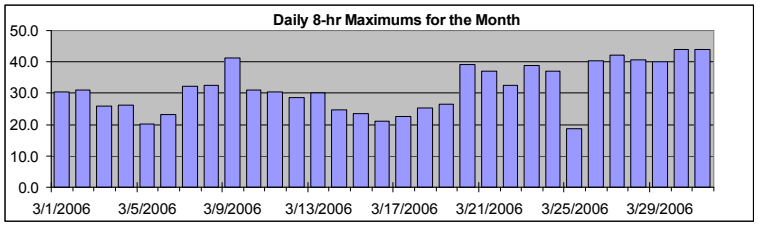
Station: Henry Pirker
Station Owner: PASZA

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

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	44.0	ppb	30-Mar	18:00 19:00



Percentile	99	95	75	50	25	5	1
	41.1	38.1	28.6	22.4	14.3	4.7	1.6

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Mar-06	28	28	29	29	28	28	26	23	21	21	21	21	21	22	24	28	30	31	30	30	30	30	29	30	30.5
2-Mar-06	29	30	30	31	31	31	31	30	29	28	28	28	27	27	28	28	29	29	28	28	28	28	27	27	31.2
3-Mar-06	26	26	26	25	25	24	24	22	22	21	21	21	22	22	23	23	24	24	22	20	18	17	15	12	26.0
4-Mar-06	9	7	6	6	4	2	2	1	2	4	7	10	14	16	19	23	25	26	24	21	17	14	11	8	26.2
5-Mar-06	5	3	4	5	5	5	5	5	5	6	7	9	11	14	17	19	20	20	18	16	13	10	7	6	20.0
6-Mar-06	4	3	2	2	2	2	2	1	1	2	3	5	8	10	14	16	19	20	21	22	22	23	22	23	23.1
7-Mar-06	23	22	23	22	21	17	14	10	7	7	8	9	10	13	17	21	25	28	29	31	32	31	30	26	32.3
8-Mar-06	22	21	19	17	16	16	15	15	15	15	17	19	21	23	26	28	31	32	32	31	29	28	27	28	32.5
9-Mar-06	28	28	28	29	30	32	33	35	35	36	37	38	39	40	40	41	41	41	40	37	34	32	29	27	41.4
10-Mar-06	23	22	22	23	25	26	28	28	30	31	31	31	31	N	N	N	N	N	N	N	N	N	29	28	31.1
11-Mar-06	28	27	27	27	26	26	25	25	24	24	24	24	25	26	27	28	29	30	30	28	24	21	16	13	30.3
12-Mar-06	10	7	6	7	7	8	8	8	9	9	10	11	13	16	20	23	26	29	27	26	25	25	24	21	28.5
13-Mar-06	17	14	15	15	14	12	10	10	11	13	14	16	18	20	24	27	30	30	30	28	26	24	21	19	30.2
14-Mar-06	17	16	16	17	18	19	20	21	21	22	23	24	24	25	25	25	25	24	24	23	22	21	20	20	24.8
15-Mar-06	20	19	19	20	21	21	21	21	21	21	21	21	22	22	23	23	24	23	23	21	20	18	16	14	23.5
16-Mar-06	12	11	10	10	11	11	12	13	15	16	17	17	18	18	19	20	21	21	21	19	18	16	15	14	21.1
17-Mar-06	13	13	13	13	13	13	11	10	9	8	7	9	10	12	16	19	22	23	22	22	22	22	21	20	22.5
18-Mar-06	20	21	22	23	23	23	24	24	23	23	23	23	23	23	24	24	25	25	25	23	21	20	20	19	25.2
19-Mar-06	16	13	12	12	12	10	8	6	6	9	10	11	13	16	19	23	25	26	27	26	25	24	21	19	26.6
20-Mar-06	16	14	11	8	6	4	3	1	1	4	7	10	15	20	25	30	35	37	38	39	39	38	37	36	39.3
21-Mar-06	35	34	34	34	35	36	35	34	33	33	33	33	33	33	34	35	37	37	37	35	34	33	32	32	37.0
22-Mar-06	31	31	31	32	32	31	27	24	21	18	16	15	14	15	19	22	25	27	29	31	32	33	33	33	32.5
23-Mar-06	31	30	28	23	18	14	12	9	7	6	8	12	16	20	25	29	33	35	36	37	38	39	39	38	38.8
24-Mar-06	37	36	34	32	29	28	25	23	21	20	19	18	17	17	17	19	20	19	19	20	21	20	20	20	36.9
25-Mar-06	19	17	15	14	14	13	11	8	7	7	8	8	8	9	10	13	14	15	15	15	13	11	9	7	18.7
26-Mar-06	4	1	1	2	2	2	3	4	6	8	10	14	19	24	28	32	36	38	40	40	37	33	30	28	40.3
27-Mar-06	25	23	24	24	25	27	26	24	23	24	25	26	28	31	34	38	41	42	41	39	34	30	25	18	42.3
28-Mar-06	12	11	9	7	7	6	6	8	9	11	15	19	23	25	30	34	38	41	41	39	37	35	34	32	40.6
29-Mar-06	31	30	30	30	31	30	27	24	23	24	24	25	27	29	33	37	39	40	40	40	39	37	35	31	39.9
30-Mar-06	25	20	16	13	9	7	3	3	4	5	9	12	17	23	28	34	39	43	44	41	35	32	29	28	44.0
31-Mar-06	27	26	25	26	27	24	21	15	11	7	10	12	17	23	29	35	40	43	44	41	37	34	33	31	43.8
Hourly Max	36.9	35.9	34.1	34.4	35.1	35.6	35.0	34.5	34.9	36.0	37.1	38.4	39.2	39.8	40.4	40.9	41.4	43.5	44.0	41.4	39.2	38.6	38.8	38.1	

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

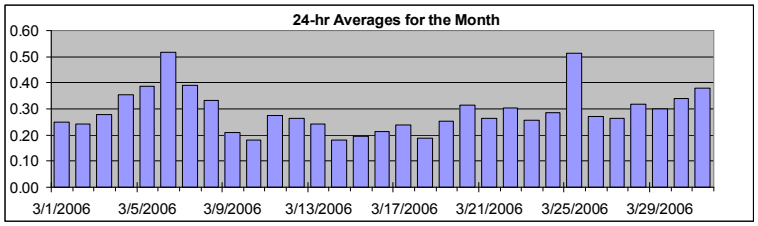
Carbon Monoxide (CO)

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

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

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	1.4	ppm	25-Mar	22:00 23:00
Maximum 24-hr Value:	0.5	ppm	6-Mar	



AIC Time:	39 hrs	Operational Time:	702 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.0	0.5	0.3	0.2	0.2	0.2	0.1	0.3 ppm	0.2 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	0.2	A	0.2	0.2	0.2	0.2	0.3	0.9	0.4	0.3	0.3	C	C	C	A	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.25	0.88
2-Mar-06	0.1	0.1	0.2	0.2	0.2	A	0.3	0.4	0.3	0.3	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	0.2	0.24	0.42
3-Mar-06	0.2	0.2	0.2	0.2	A	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.28	0.45
4-Mar-06	0.3	0.3	0.3	0.3	0.3	A	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.9	0.5	0.5	0.4	0.3	0.35	0.86
5-Mar-06	0.3	0.3	0.3	0.3	A	0.3	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.7	0.5	0.4	0.4	0.3	0.39	0.68
6-Mar-06	0.4	0.4	0.6	A	0.5	0.5	0.9	1.3	0.8	0.6	0.6	0.5	0.3	0.4	0.4	0.5	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.52	1.33
7-Mar-06	0.3	0.3	A	0.3	0.2	0.3	0.4	1.2	1.0	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.39	1.15
8-Mar-06	0.4	A	0.3	0.2	0.2	0.3	0.4	0.6	0.7	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.33	0.75
9-Mar-06	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	0.2	0.2	0.3	0.3	0.3	0.3	A	0.21	0.30
10-Mar-06	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.32
11-Mar-06	0.2	0.2	0.2	0.2	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	0.4	0.8	1.4	0.4	0.3	0.28	1.36
12-Mar-06	0.2	0.2	0.2	0.2	A	0.2	0.3	0.2	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.5	0.3	0.3	0.3	0.4	0.26	0.47
13-Mar-06	0.3	0.3	0.2	A	0.2	0.2	0.3	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	0.3	0.2	0.2	0.24	0.36
14-Mar-06	0.2	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	0.2	0.2	0.2	0.2	0.2	0.18	0.21
15-Mar-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	0.2	0.2	0.3	0.3	0.2	0.3	0.20	0.29
16-Mar-06	0.2	0.2	0.2	0.2	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	0.3	0.3	0.3	0.3	0.2	0.2	0.21	0.30
17-Mar-06	0.2	0.2	0.2	0.2	A	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.24	0.36
18-Mar-06	0.2	0.2	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	0.3	0.3	0.2	0.2	0.2	0.19	0.29
19-Mar-06	0.3	0.3	A	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.25	0.47
20-Mar-06	0.3	A	0.3	0.3	0.2	0.3	0.4	0.6	0.6	0.4	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	0.31	0.64
21-Mar-06	A	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.4	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	A	0.26	0.50
22-Mar-06	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5	0.3	0.3	0.3	A	A	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	A	0.30	0.72
23-Mar-06	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	A	0.2	0.26	0.37
24-Mar-06	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	A	0.3	0.3	0.29	0.45
25-Mar-06	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.6	A	1.2	1.4	1.1	0.51	1.38
26-Mar-06	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.4	0.3	0.2	0.27	0.56
27-Mar-06	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	A	0.3	0.5	A	0.5	0.6	0.26	0.64
28-Mar-06	0.7	0.6	0.3	0.2	0.2	A	0.3	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.32	0.72
29-Mar-06	0.2	0.2	0.2	0.2	A	0.3	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.5	0.30	0.59
30-Mar-06	0.6	0.4	0.3	A	0.2	0.4	0.6	0.5	A	A	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.4	0.3	0.2	0.34	0.73
31-Mar-06	0.2	0.2	0.2	A	0.5	0.6	0.8	1.4	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.6	0.3	0.2	0.2	0.38	1.36
Hourly Avg	0.28	0.26	0.24	0.22	0.23	0.26	0.34	0.47	0.37	0.30	0.26	0.25	0.24	0.23	0.24	0.25	0.25	0.26	0.28	0.34	0.34	0.36	0.33	0.31		
Hourly Max	0.72	0.58	0.56	0.29	0.48	0.59	0.90	1.36	0.98	0.61	0.56	0.50	0.47	0.46	0.54	0.53	0.56	0.48	0.48	0.86	0.79	1.36	1.38	1.07		

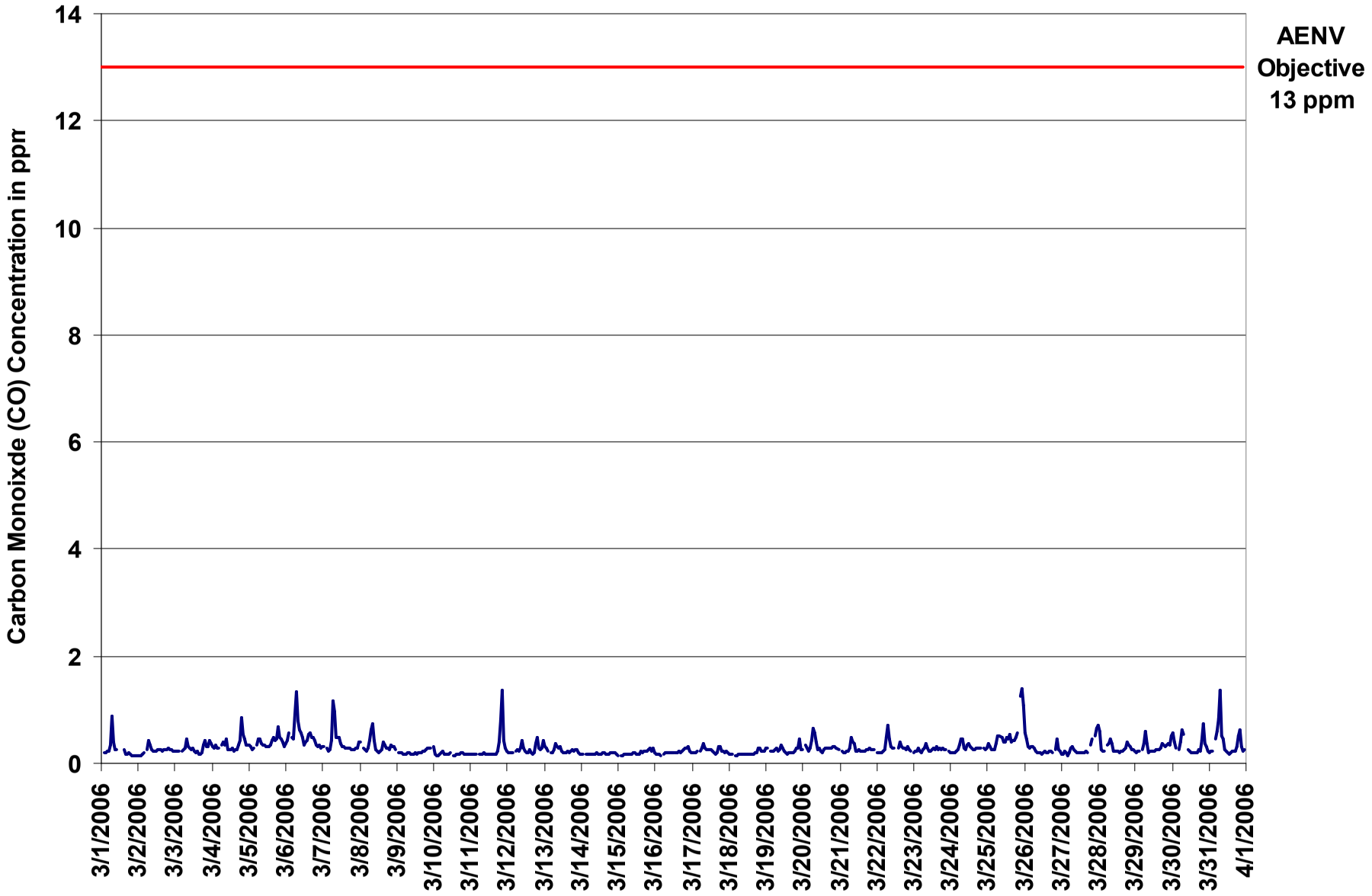


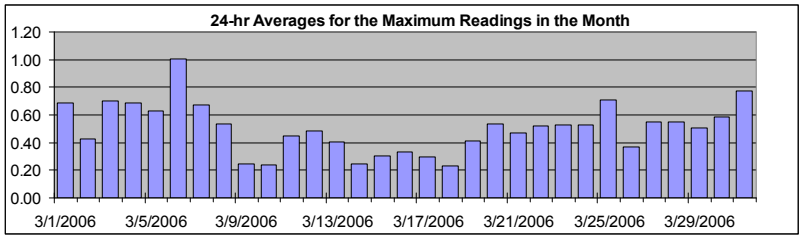
Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

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



Summary

Maximum 1-hr Value:	5.6	ppm	1-Mar	7:00 8:00
Maximum 24-hr Value:	1.0	ppm	6-Mar	

AIC Time:	39 hrs	Operational Time:	702 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.2	1.2	0.5	0.4	0.3	0.2	0.2	0.5 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-Mar-06	0.3	A	0.3	0.2	0.3	0.4	0.8	5.6	0.9	0.4	0.4	C	C	C	A	1.2	0.2	0.4	0.3	0.4	0.3	0.2	0.4	0.2	0.69	5.61
2-Mar-06	0.2	0.2	0.2	0.3	0.3	A	0.6	1.2	0.4	0.6	0.3	0.3	0.4	0.7	0.5	0.5	0.4	0.4	0.9	0.4	0.5	0.4	0.3	0.3	0.43	1.15
3-Mar-06	0.3	0.3	0.3	0.3	A	0.4	0.6	1.8	0.8	0.7	0.8	1.8	0.4	0.5	0.9	0.3	0.5	0.3	0.9	1.2	0.4	0.5	1.1	1.1	0.70	1.81
4-Mar-06	0.6	0.5	0.6	0.3	0.4	A	0.6	0.9	0.5	0.7	0.4	0.4	0.5	0.7	0.3	0.4	0.7	0.5	0.8	2.2	1.9	0.7	0.5	0.4	0.69	2.22
5-Mar-06	0.5	0.4	0.3	0.4	A	0.6	0.9	0.7	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.9	1.4	1.0	0.9	0.8	1.0	0.6	0.6	0.4	0.63	1.37
6-Mar-06	0.5	0.6	0.8	A	0.7	0.8	1.8	4.5	1.1	1.0	0.9	0.9	1.0	0.8	0.8	1.9	1.1	0.8	0.6	0.5	0.9	0.5	0.4	0.3	1.00	4.46
7-Mar-06	0.5	0.4	A	0.4	0.4	0.4	1.3	3.1	2.1	0.6	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.8	0.67	3.14
8-Mar-06	1.2	A	0.4	0.3	0.3	0.5	0.5	1.5	1.2	0.5	0.4	0.3	0.2	0.4	0.4	0.7	0.5	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.53	1.52
9-Mar-06	A	0.2	0.2	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	0.3	0.3	0.3	0.4	0.3	0.3	A	0.25	0.41
10-Mar-06	0.5	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.24	0.51
11-Mar-06	0.2	0.2	0.2	0.2	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	0.5	0.4	0.7	1.8	3.0	0.8	0.4	0.45	3.00
12-Mar-06	0.3	0.3	0.3	0.2	A	0.3	0.4	0.3	0.6	0.6	0.4	0.4	0.4	0.3	1.6	0.3	0.3	0.3	0.8	1.3	0.4	0.3	0.4	1.0	0.48	1.63
13-Mar-06	0.6	0.4	0.5	A	0.2	0.2	0.4	0.6	0.4	0.5	0.4	0.3	0.2	0.2	0.3	0.5	0.5	0.4	0.5	0.3	0.7	0.5	0.2	0.2	0.40	0.67
14-Mar-06	0.2	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	0.2	0.5	0.3	0.4	0.2	0.3	0.5	0.3	0.4	0.2	0.25	0.53
15-Mar-06	0.2	A	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.5	0.3	0.3	0.4	0.3	0.4	0.9	0.3	0.4	0.30	0.89
16-Mar-06	0.3	0.2	0.2	0.2	0.2	A	0.2	0.3	0.4	0.3	0.2	0.2	0.3	0.3	0.2	0.4	0.3	0.5	0.9	0.9	0.4	0.4	0.3	0.3	0.34	0.93
17-Mar-06	0.2	0.2	0.2	0.2	A	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.29	0.44
18-Mar-06	0.2	0.2	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	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.23	0.36
19-Mar-06	0.5	0.4	A	0.2	0.3	0.2	0.3	0.4	0.3	0.4	0.4	0.6	0.4	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.7	0.4	0.9	0.7	0.41	0.85
20-Mar-06	0.6	A	0.5	0.4	0.3	0.4	0.9	1.8	0.8	0.7	0.4	0.4	0.3	0.3	0.5	0.6	0.4	0.4	0.5	0.4	0.7	0.5	0.4	0.3	0.54	1.77
21-Mar-06	A	0.3	0.3	0.3	0.5	0.4	0.6	0.9	0.6	1.5	0.4	0.3	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.4	0.4	0.3	A	0.47	1.48
22-Mar-06	0.3	0.2	0.3	0.4	0.5	0.5	1.0	1.2	1.1	0.4	0.4	0.3	A	A	0.3	0.7	0.5	0.3	0.6	0.5	0.8	0.3	0.3	A	0.52	1.24
23-Mar-06	0.3	0.8	0.3	0.5	0.3	0.3	0.4	0.5	0.4	0.5	0.8	0.6	0.3	1.1	0.5	1.1	0.4	0.6	0.5	0.4	0.5	0.7	A	0.5	0.53	1.13
24-Mar-06	0.3	0.3	0.3	0.3	0.3	0.5	1.0	1.2	2.1	0.7	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.4	A	0.4	0.3	0.53	2.10
25-Mar-06	0.6	0.6	0.4	0.3	0.2	0.4	0.8	0.6	0.6	0.6	0.4	0.4	0.6	0.5	0.7	0.5	0.5	0.7	0.6	0.7	A	2.2	1.7	1.6	0.71	2.18
26-Mar-06	0.9	0.6	0.4	0.3	0.3	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	A	0.3	0.6	0.4	0.3	0.37	0.93
27-Mar-06	0.2	0.3	0.4	0.3	0.2	0.3	0.4	0.5	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.7	0.4	A	0.6	1.7	A	1.7	2.2	0.55	2.23
28-Mar-06	1.4	0.9	0.3	0.2	0.2	A	0.8	0.6	0.8	0.6	0.6	0.4	0.3	0.4	0.3	0.5	0.4	0.3	0.6	1.5	0.5	0.5	0.3	0.3	0.55	1.53
29-Mar-06	0.3	0.2	0.3	0.3	A	0.4	1.1	1.3	0.7	0.3	0.4	0.3	0.5	0.3	0.7	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.9	0.51	1.27
30-Mar-06	0.8	0.6	0.4	A	0.4	1.4	1.2	0.7	A	A	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	1.1	1.7	0.6	0.5	0.2	0.58	1.75
31-Mar-06	0.2	0.2	0.3	A	0.7	1.6	3.0	3.0	0.9	0.6	0.3	0.3	0.3	0.4	0.2	0.3	1.1	0.4	0.6	1.1	1.0	0.4	0.3	0.4	0.77	3.00
Hourly Avg	0.44	0.36	0.32	0.28	0.31	0.45	0.71	1.14	0.65	0.49	0.40	0.41	0.36	0.37	0.42	0.49	0.45	0.42	0.51	0.64	0.68	0.59	0.52	0.53		
Hourly Max	1.36	0.88	0.75	0.45	0.71	1.60	3.00	5.61	2.10	1.48	0.87	1.81	0.97	1.13	1.63	1.86	1.37	1.04	0.95	2.22	1.90	3.00	1.68	2.23		

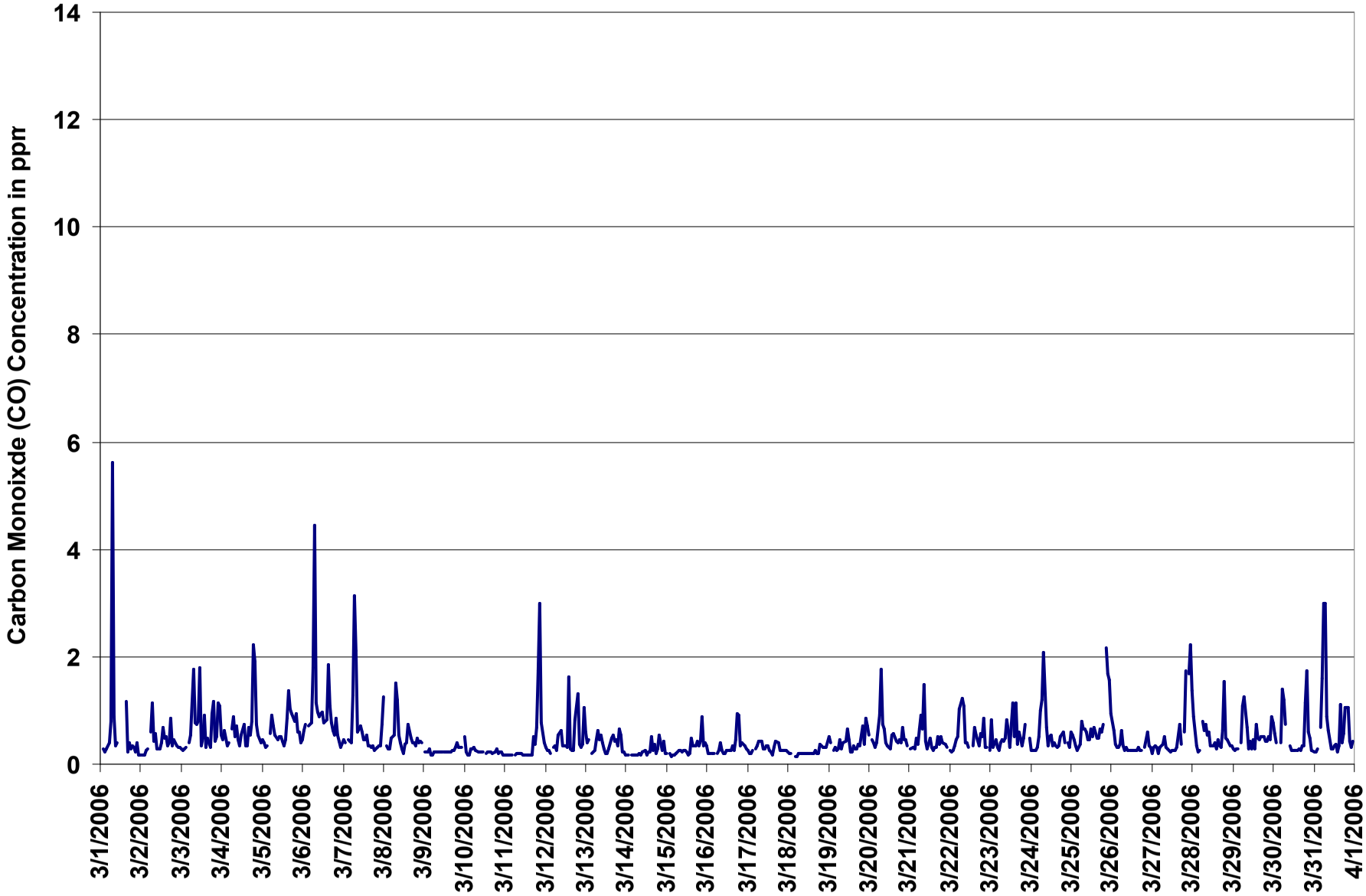
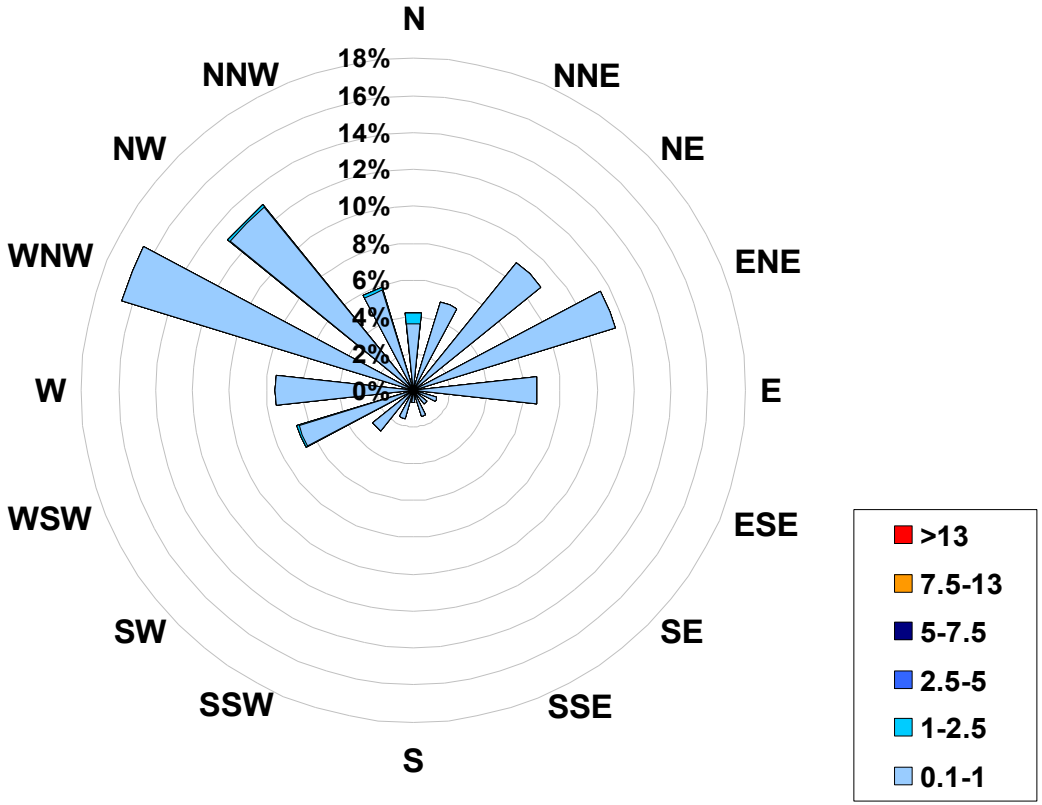


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0.1	<	1	695
1	to	2.5	7
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			702

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

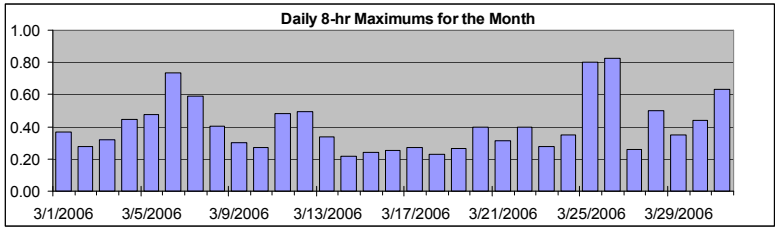
Station: Henry Pirker
Station Owner: PASZA

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

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	0.8	ppm	26-Mar	1:00 2:00



Percentile	99	95	75	50	25	5	1
	0.7	0.5	0.3	0.3	0.2	0.2	0.2

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-Mar-06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.4	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.37
2-Mar-06	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.28
3-Mar-06	0.3	0.3	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	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.32
4-Mar-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	0.4	0.4	0.4	0.4	0.4	0.45
5-Mar-06	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.47
6-Mar-06	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.74
7-Mar-06	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.59
8-Mar-06	0.3	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.41
9-Mar-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.30
10-Mar-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.27
11-Mar-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	0.3	0.4	0.5	0.5	0.48
12-Mar-06	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.49
13-Mar-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.34
14-Mar-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	0.22
15-Mar-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	0.24
16-Mar-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	0.3	0.3	0.25
17-Mar-06	0.3	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.27
18-Mar-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
19-Mar-06	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.27
20-Mar-06	0.3	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.40
21-Mar-06	0.3	0.3	0.3	0.3	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	0.2	0.2	0.2	0.3	0.3	0.31
22-Mar-06	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	N	N	N	N	N	N	N	0.3	0.3	0.3	0.3	0.40
23-Mar-06	0.3	0.3	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	0.28
24-Mar-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	0.35
25-Mar-06	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.80
26-Mar-06	0.8	0.8	0.8	0.8	0.7	0.6	0.4	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	0.3	0.3	0.3	0.82
27-Mar-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	0.2	0.2	0.2	0.3	N	N	N	0.26
28-Mar-06	N	N	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.50
29-Mar-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	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.35
30-Mar-06	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.44
31-Mar-06	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.63
Hourly Max	0.82	0.82	0.80	0.76	0.70	0.59	0.51	0.65	0.71	0.74	0.74	0.71	0.69	0.68	0.62	0.52	0.49	0.47	0.46	0.47	0.47	0.58	0.70	0.80	

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

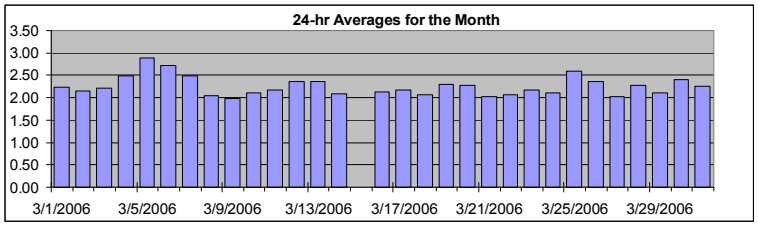
Total Hydrocarbons (THC)

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

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

Summary

Maximum 1-hr Average:	4.2	ppm	30-Mar	1:00 2:00
Maximum 24-hr Value:	2.9	ppm	5-Mar	



AIC Time:	37 hrs	Operational Time:	700 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	3.3	3.0	2.3	2.1	2.1	1.9	1.9	2.3 ppm	2.1 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	2.2	A	2.2	2.2	2.3	2.3	2.3	2.5	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.24	2.48
2-Mar-06	2.2	2.1	2.1	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.14	2.21
3-Mar-06	2.1	2.1	2.1	2.1	A	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3	2.3	2.4	2.5	2.22	2.49
4-Mar-06	2.5	2.6	3.1	2.8	2.7	A	2.6	2.6	2.5	2.5	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.3	2.5	2.7	2.6	2.5	2.4	2.5	2.48	3.09
5-Mar-06	2.6	2.7	3.0	3.1	A	3.3	3.1	3.2	3.3	3.3	3.2	3.0	2.9	2.8	2.6	2.6	2.7	2.7	2.7	2.9	2.8	2.6	2.7	2.7	2.89	3.35
6-Mar-06	2.7	2.8	3.2	A	3.0	3.0	3.3	3.2	3.0	3.1	3.1	2.9	2.7	2.7	2.6	2.5	2.5	2.4	2.4	2.4	2.2	2.2	2.2	2.1	2.71	3.32
7-Mar-06	2.2	2.7	A	2.7	2.6	2.7	2.8	3.2	3.0	2.8	2.7	3.2	2.6	3.0	2.4	2.2	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.2	2.50	3.21
8-Mar-06	2.4	A	2.2	2.2	2.1	2.2	2.2	2.2	2.3	2.2	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.05	2.41
9-Mar-06	A	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	A	1.99	2.13
10-Mar-06	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.22
11-Mar-06	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.5	2.7	2.3	2.4	2.17	2.69
12-Mar-06	2.4	2.5	2.5	2.6	A	2.7	2.9	3.0	3.1	2.9	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.2	2.37	3.09
13-Mar-06	2.2	2.3	2.4	A	2.6	2.7	2.8	3.0	2.9	2.7	2.6	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.37	3.04
14-Mar-06	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.10	2.14
15-Mar-06	2.2	A	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	C	C	C	C	C	A	2.3	2.2	2.2	2.2	2.1	2.1	2.1	N	2.30
16-Mar-06	2.1	2.1	2.2	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.13	2.23
17-Mar-06	2.2	2.1	2.1	2.2	A	2.3	2.4	2.3	2.3	2.3	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.18	2.38
18-Mar-06	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.07	2.13
19-Mar-06	2.2	2.2	A	2.3	2.5	2.6	2.6	2.7	2.9	2.9	2.7	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.3	2.2	2.30	2.91
20-Mar-06	2.3	A	2.5	2.5	2.4	2.6	2.7	2.7	2.7	2.4	2.2	2.3	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.27	2.71
21-Mar-06	A	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.02	2.09
22-Mar-06	2.0	2.0	2.0	2.1	2.0	2.0	2.2	2.2	2.3	2.1	2.2	2.1	A	A	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.07	2.25
23-Mar-06	2.1	2.1	2.2	2.2	2.2	2.3	2.4	2.5	2.5	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	A	2.0	2.17	2.48
24-Mar-06	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.12	2.23
25-Mar-06	2.3	2.4	2.4	2.4	2.4	2.5	2.7	2.7	2.7	2.8	2.5	2.4	2.5	2.5	2.5	2.3	2.3	2.3	2.4	2.4	A	3.1	3.8	3.4	2.59	3.78
26-Mar-06	2.8	2.6	2.5	2.7	2.8	2.9	2.8	2.9	3.1	2.8	2.5	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.9	A	2.0	2.1	2.0	2.0	2.36	3.09
27-Mar-06	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	2.0	C	C	A	2.8	2.03	2.75
28-Mar-06	3.5	3.1	2.3	2.4	2.5	A	2.7	2.7	2.7	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.28	3.54
29-Mar-06	2.0	2.0	2.0	2.1	A	2.1	2.3	2.3	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	2.2	2.6	2.7	2.11	2.70
30-Mar-06	2.9	4.2	2.7	A	3.0	2.9	2.6	2.4	2.4	2.4	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.1	1.9	2.6	2.8	2.4	2.3	2.0	2.41	4.20
31-Mar-06	2.0	1.9	A	2.5	2.7	3.5	3.0	3.4	2.5	2.3	2.0	2.0	2.0	1.9	1.9	1.9	2.0	1.9	2.0	2.1	2.2	2.0	2.0	1.9	2.25	3.53
Hourly Avg	2.30	2.33	2.30	2.30	2.34	2.43	2.44	2.49	2.44	2.37	2.27	2.22	2.17	2.17	2.13	2.10	2.11	2.11	2.13	2.17	2.17	2.20	2.23	2.25		
Hourly Max	3.54	4.20	3.18	3.08	3.05	3.53	3.32	3.39	3.28	3.30	3.24	3.16	2.90	2.96	2.62	2.56	2.67	2.70	2.74	2.89	2.78	3.13	3.78	3.38		

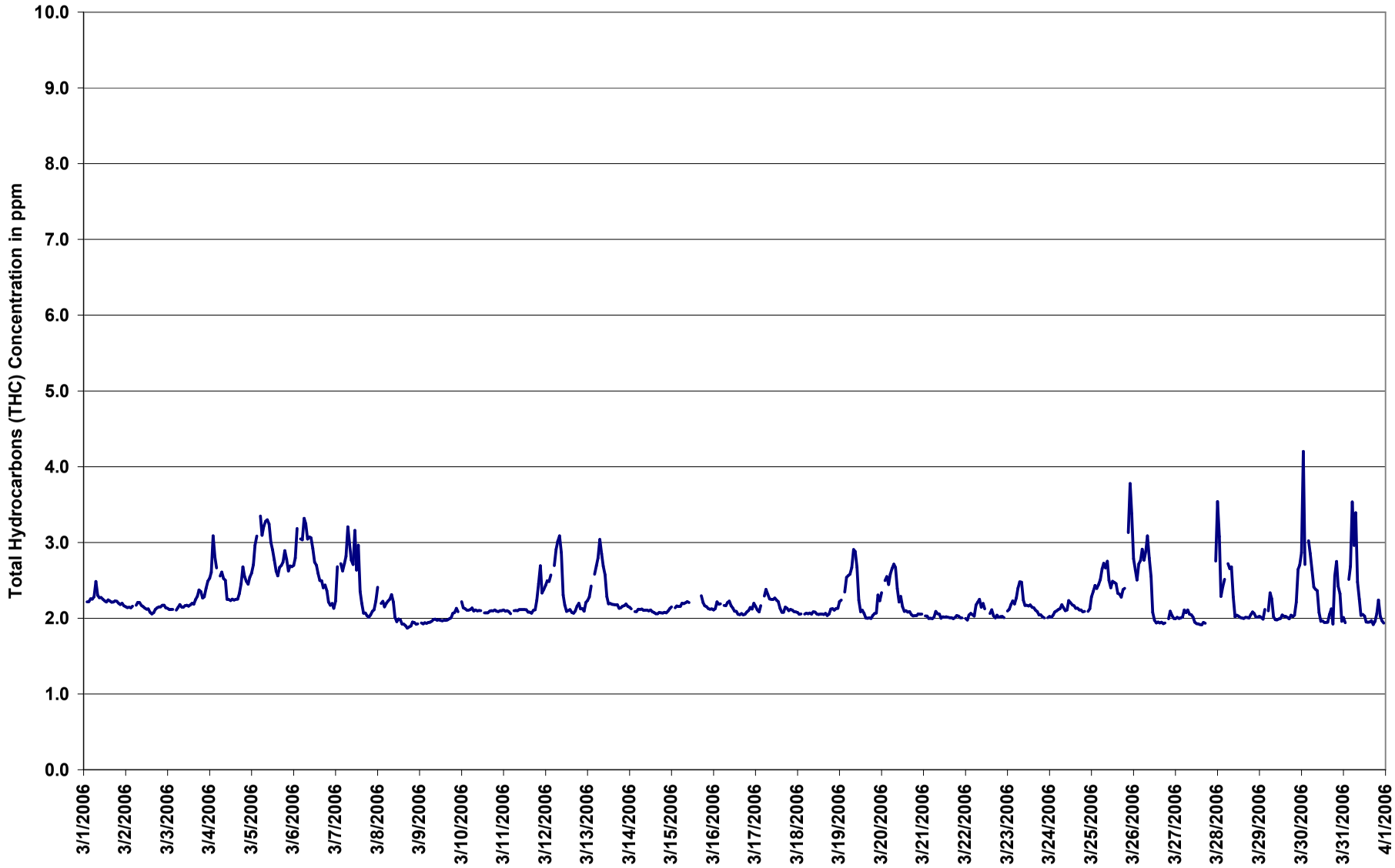


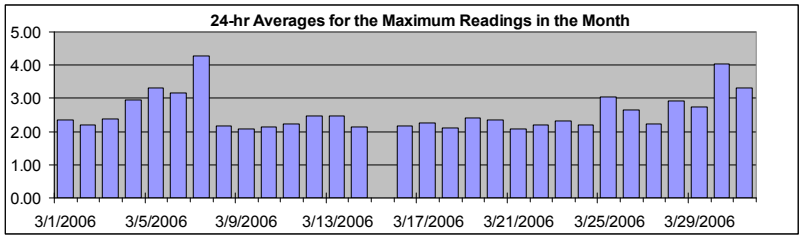
Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

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



Summary

Maximum 1-hr Value:	20.4	ppm	7-Mar	11:00 12:00
Maximum 24-hr Value:	4.3	ppm	7-Mar	

AIC Time:	37 hrs	Operational Time:	700 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	7.6	4.1	2.5	2.2	2.1	2.0	2.0	2.6 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-Mar-06	2.2	A	2.3	2.3	2.3	2.3	2.4	3.7	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.36	3.69
2-Mar-06	2.2	2.2	2.2	2.2	2.2	A	2.3	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.20	2.38
3-Mar-06	2.2	2.1	2.1	2.1	A	2.2	2.2	2.4	2.2	2.2	2.3	2.3	2.2	2.3	2.5	2.2	2.4	2.3	2.6	2.4	2.3	2.4	3.2	3.6	2.38	3.56
4-Mar-06	3.7	3.6	4.3	3.6	3.6	A	3.0	3.1	2.7	2.6	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.4	3.0	3.6	4.2	2.8	2.5	2.7	2.94	4.31
5-Mar-06	2.7	3.0	3.3	3.4	A	5.3	3.6	3.6	3.5	3.4	3.4	3.2	3.0	2.9	2.8	2.7	2.9	3.0	3.0	3.1	4.0	2.8	3.2	4.1	3.31	5.34
6-Mar-06	2.8	3.5	5.2	A	3.5	3.8	4.6	5.0	3.3	3.6	3.3	3.2	2.9	3.1	2.7	2.9	2.7	2.5	2.6	2.4	2.3	2.3	2.3	2.2	3.16	5.19
7-Mar-06	2.4	4.2	A	4.3	5.5	4.7	3.3	3.8	3.6	2.9	2.9	20.4	3.9	13.7	2.8	2.3	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.6	4.27	20.40
8-Mar-06	2.6	A	2.3	2.3	2.2	2.3	2.3	2.5	2.5	2.4	2.1	2.0	2.1	2.1	2.1	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.16	2.61
9-Mar-06	A	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.7	2.2	A	2.07	2.65
10-Mar-06	2.4	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.15	2.36
11-Mar-06	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.7	3.0	2.4	2.4	2.23	3.01
12-Mar-06	2.5	2.6	2.5	2.7	A	2.8	3.0	3.1	3.2	3.1	2.4	2.2	2.2	2.2	2.4	2.1	2.1	2.1	2.3	2.3	2.2	2.2	2.1	2.4	2.47	3.21
13-Mar-06	2.4	2.5	2.6	A	2.6	2.8	3.0	3.1	3.1	2.8	2.8	2.5	2.2	2.2	2.2	2.2	2.4	2.3	2.2	2.2	2.3	2.2	2.2	2.2	2.48	3.13
14-Mar-06	2.2	2.2	A	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	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.13	2.18
15-Mar-06	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	C	C	C	C	C	A	2.4	2.3	2.2	2.2	2.2	2.2	2.2	N	2.38
16-Mar-06	2.1	2.2	2.3	2.2	2.2	A	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.18	2.28
17-Mar-06	2.3	2.1	2.1	2.2	A	2.5	2.5	2.4	2.3	2.3	2.3	2.7	2.4	2.3	2.2	2.1	2.1	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.27	2.72
18-Mar-06	2.2	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.2	2.10	2.18
19-Mar-06	2.3	2.4	A	2.4	2.6	2.6	2.6	2.8	3.0	3.0	2.7	2.5	2.1	2.2	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.6	2.7	2.40	3.00
20-Mar-06	2.5	A	2.7	2.7	2.5	2.7	2.8	3.0	2.7	2.7	2.3	2.4	2.3	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.36	2.98
21-Mar-06	A	2.1	2.1	2.0	2.0	2.0	2.1	2.4	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	A	2.09	2.38
22-Mar-06	2.0	2.0	2.1	2.1	2.1	2.1	2.8	2.4	2.7	2.2	2.7	2.2	A	A	2.1	2.2	2.2	2.0	2.2	2.1	2.1	2.1	2.0	A	2.21	2.79
23-Mar-06	2.1	2.2	2.6	2.4	2.4	2.4	2.4	2.7	2.6	2.4	2.9	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.2	A	2.0	2.32	2.94
24-Mar-06	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.4	2.4	2.1	2.1	2.3	2.3	2.2	2.3	2.2	2.2	2.2	2.4	2.1	2.2	A	2.2	2.2	2.19	2.44
25-Mar-06	2.3	2.5	2.8	2.8	2.6	2.6	2.8	2.9	2.7	3.0	2.7	2.5	2.6	2.5	2.5	2.4	2.4	2.5	2.4	2.5	A	4.8	6.0	7.2	3.04	7.24
26-Mar-06	4.9	3.9	2.8	3.0	2.9	3.4	3.1	3.1	3.2	3.0	2.7	2.3	2.2	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.2	2.1	2.0	2.64	4.89
27-Mar-06	2.0	2.0	2.1	2.1	2.2	2.2	2.1	2.4	2.1	2.2	2.2	2.0	2.0	2.0	2.0	2.0	2.1	2.1	A	2.1	C	C	A	4.6	2.22	4.60
28-Mar-06	7.6	6.5	3.6	3.3	3.5	A	4.6	3.1	3.1	2.6	2.1	2.3	2.1	2.1	2.0	2.1	2.0	2.0	2.1	2.3	2.2	2.1	2.0	2.0	2.92	7.61
29-Mar-06	2.1	2.0	2.3	2.6	A	2.2	4.1	2.7	2.1	2.0	2.0	2.0	2.1	2.3	2.1	2.1	2.0	2.1	2.1	2.4	2.1	2.5	10.5	5.0	2.75	10.46
30-Mar-06	10.3	14.9	6.0	A	5.2	3.6	3.0	2.7	3.4	2.4	2.3	2.0	2.0	2.0	2.0	2.3	2.3	2.6	2.1	10.2	4.2	2.5	2.6	2.0	4.03	14.90
31-Mar-06	2.1	2.0	A	6.8	5.0	7.3	3.7	9.5	5.1	2.4	2.2	2.5	2.4	2.1	2.1	2.2	4.4	1.9	2.0	2.2	2.5	2.1	2.0	2.0	3.33	9.51
Hourly Avg	2.88	3.07	2.69	2.67	2.77	2.87	2.75	2.97	2.69	2.49	2.40	2.91	2.30	2.61	2.22	2.20	2.27	2.20	2.23	2.54	2.40	2.36	2.69	2.70		
Hourly Max	10.32	14.90	5.96	6.84	5.49	7.34	4.64	9.51	5.06	3.56	3.40	20.40	3.95	13.65	2.78	2.95	4.38	3.04	3.03	10.17	4.21	4.80	10.46	7.24		

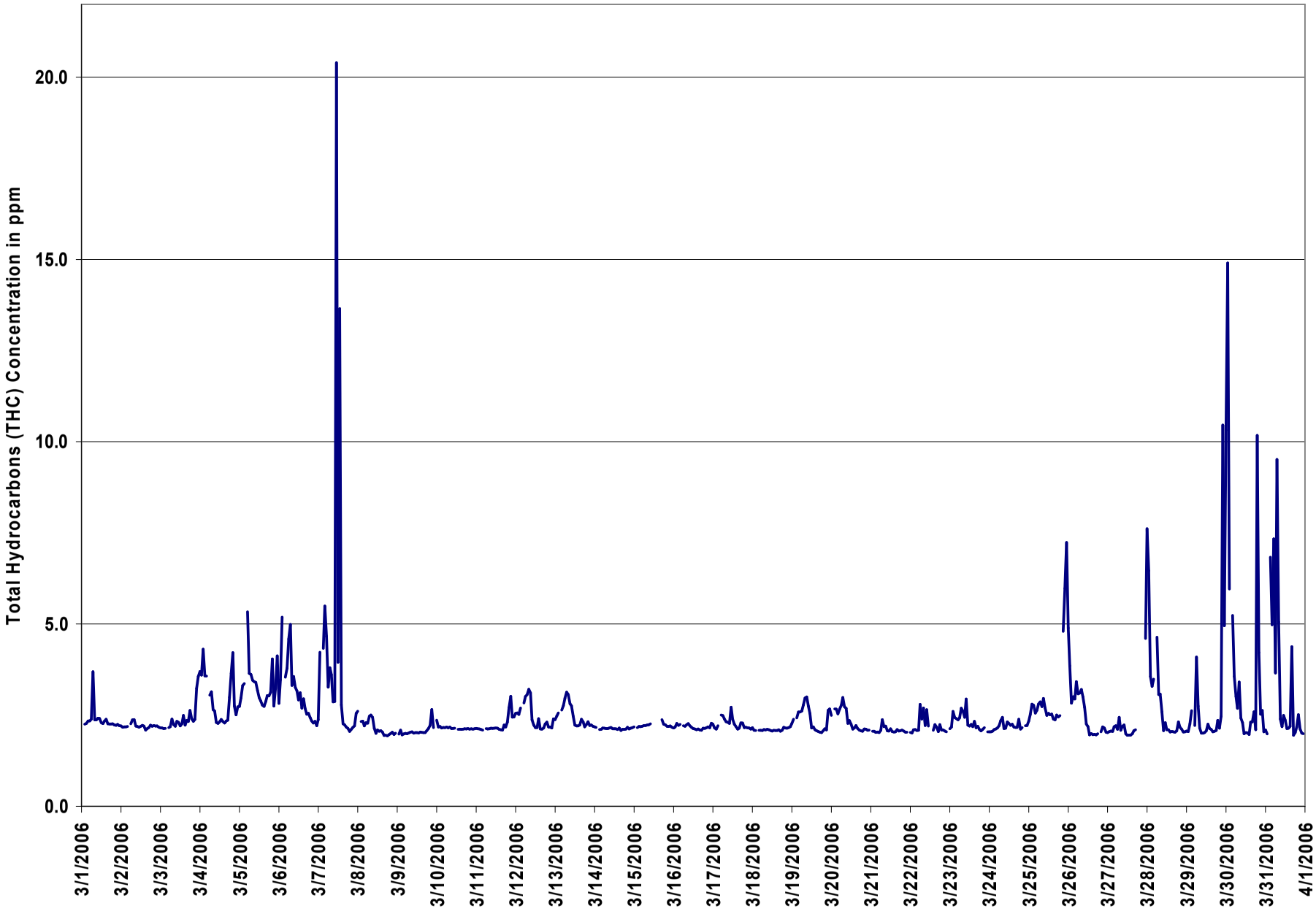
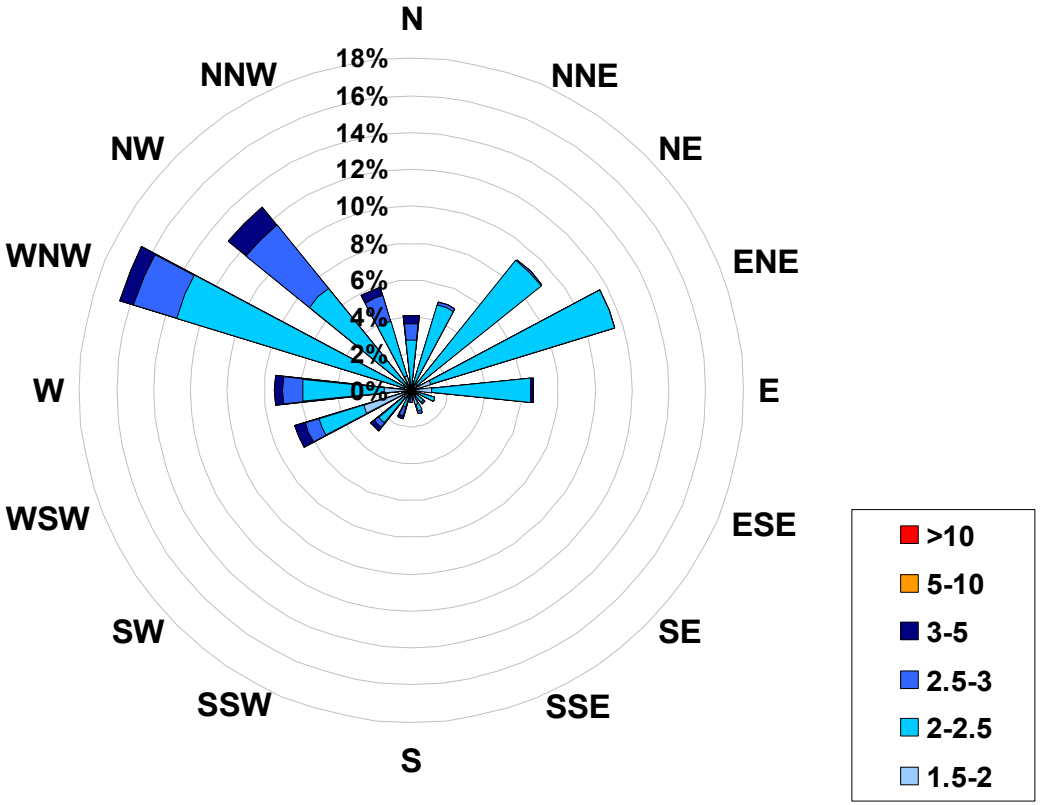


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of THC in ppm			
Range			Frequency (hrs)
1.5	<	2	78
2	to	2.5	494
2.5	to	3	96
3	to	5	32
5	to	10	0
	>	10	0
Total Non-Zero Values			700

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

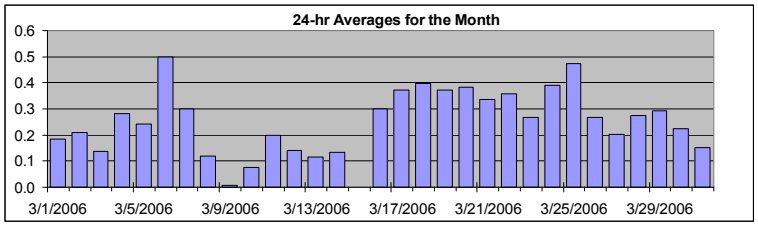
Total Reduced Sulphur (TRS)

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

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

Summary

Maximum 1-hr Average:	0.8	ppb	6-Mar	15:00 16:00
Maximum 24-hr Value:	0.5	ppb	6-Mar	



AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.5	0.3	0.3	0.1	0.0	0.0	0.3 ppb	0.3 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-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
2-Mar-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	0.3
3-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
4-Mar-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
5-Mar-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
6-Mar-06	0	0	0	A	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0.5	0.8
7-Mar-06	0	0	A	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8
8-Mar-06	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
9-Mar-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	0.0	0.1
10-Mar-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	0.2
11-Mar-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2	0.6
12-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
13-Mar-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
14-Mar-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
15-Mar-06	0	A	0	0	0	0	0	0	0	0	0	C	C	C	C	A	A	0	0	0	0	0	0	0	N	0.5
16-Mar-06	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
17-Mar-06	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
18-Mar-06	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
19-Mar-06	0	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
20-Mar-06	0	A	1	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
21-Mar-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	0.3	0.4
22-Mar-06	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.4	0.7
23-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.3	0.4
24-Mar-06	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.4	0.5
25-Mar-06	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	A	1	1	1	1	0.5	0.8
26-Mar-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	0.3	0.4
27-Mar-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	0.2	0.4
28-Mar-06	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
29-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4
30-Mar-06	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
31-Mar-06	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
Hourly Avg	0.3	0.2	0.3	0.3	0.3	0.3	0.3	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	0.3	0.3	0.3		
Hourly Max	0.5	0.5	0.6	0.6	0.6	0.5	0.7	0.7	0.8	0.7	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.5	0.5	0.5	0.5	0.7	0.7	0.8		

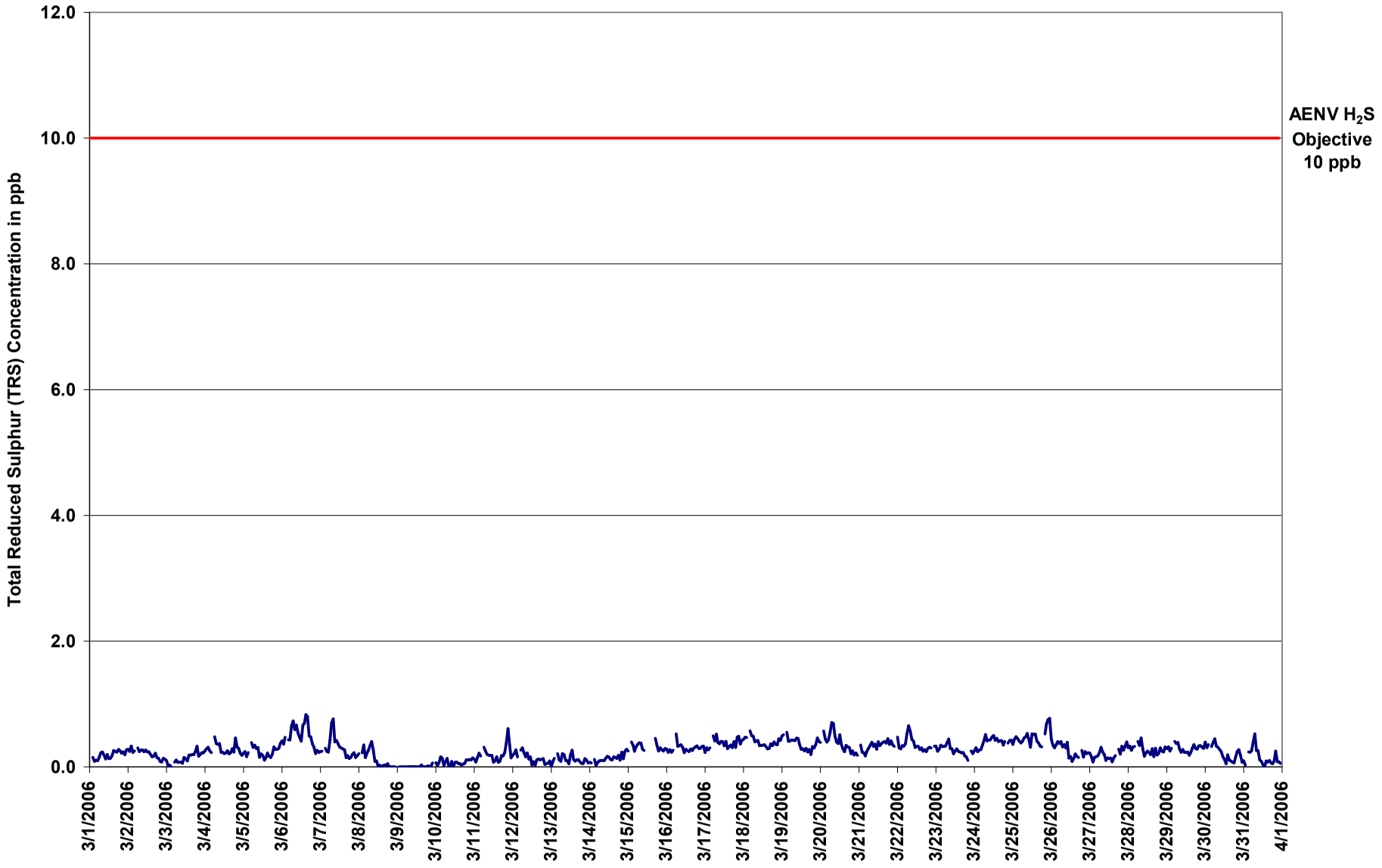


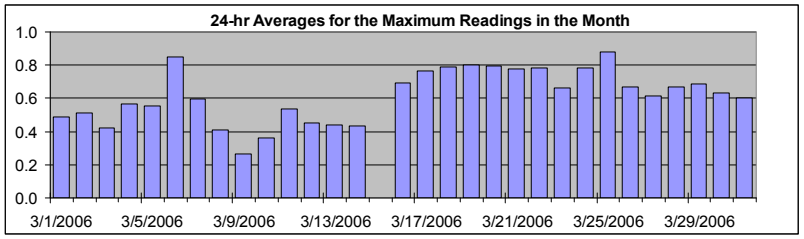
Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

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



Summary

Maximum 1-hr Value:	1.5	ppb	31-Mar	7:00 8:00
Maximum 24-hr Value:	0.9	ppb	25-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	0.9	0.7	0.6	0.5	0.3	0.2	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-Mar-06	0	A	1	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	1	0	0	1	0.5	0.7
2-Mar-06	1	1	1	1	1	A	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.7
3-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0.4	0.7
4-Mar-06	1	1	1	0	0	A	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	0	0	0.6	0.9
5-Mar-06	0	1	0	1	A	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	0.6	0.8
6-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.8	1.3
7-Mar-06	1	0	A	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0.6	1.2
8-Mar-06	1	A	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
9-Mar-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	0.3	0.4
10-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.4	0.5
11-Mar-06	0	0	0	0	0	A	1	1	1	0	1	0	0	1	1	0	0	0	0	0	1	1	1	0	0.5	1.5
12-Mar-06	0	0	1	0	A	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.7
13-Mar-06	0	0	0	A	1	0	0	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0.4	0.6
14-Mar-06	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0.4	0.6
15-Mar-06	0	A	1	1	1	1	1	1	1	1	1	C	C	C	C	A	A	1	1	1	1	1	1	1	N	0.9
16-Mar-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	1.2
17-Mar-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
18-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
19-Mar-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
20-Mar-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.8	1.2
21-Mar-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	1.0
22-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.8	1.2
23-Mar-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
24-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.8	1.2
25-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.9	1.2
26-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	A	1	1	1	1	1	0.7	0.8
27-Mar-06	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	A	1	1	1	1	1	1	0.6	0.8
28-Mar-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	0.8
29-Mar-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
30-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0.6	1.0
31-Mar-06	0	0	A	1	1	1	1	1	1	1	0	0	1	0	1	0	0	0	0	1	1	0	1	1	0.6	1.5
Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
Hourly Max	1.0	1.0	1.0	0.9	1.0	1.0	1.2	1.5	1.2	1.0	0.9	0.9	1.0	1.1	1.1	1.3	1.2	0.8	0.9	0.8	1.5	1.2	1.2	1.2		

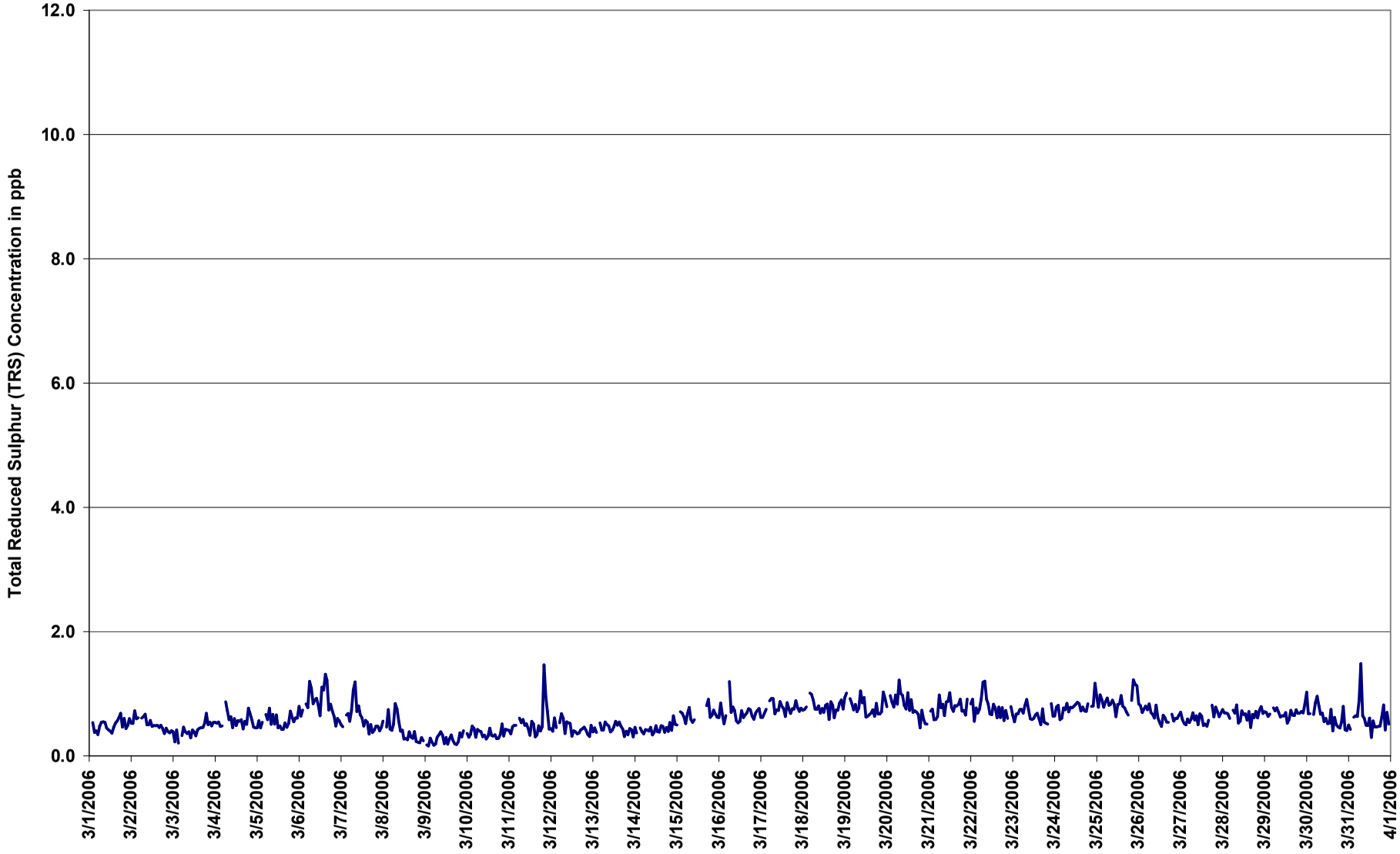
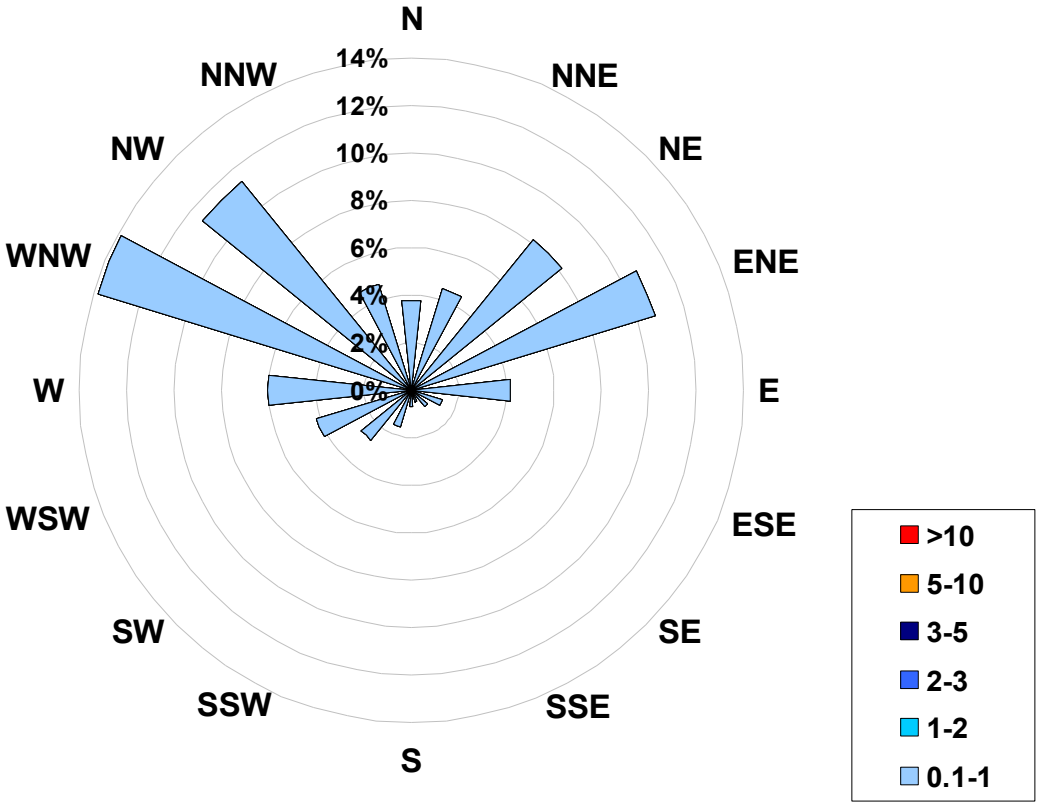


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	706
1	to	2	0
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			706

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

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

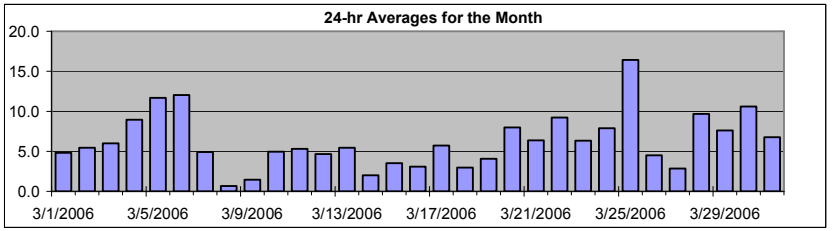
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: March 1, 2006 to April 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:	44.4	µg/m³	30-Mar	21:00 22:00
Maximum 24-hr Value:	16.4	µg/m³	25-Mar	



AIC Time:	0 hrs	Operational Time:	732 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	98.7%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	24.1	16.9	7.9	5.0	3.1	0.0	0.0	6.2 / 5 µg/m³	5.3 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-Mar-06	4	4	4	3	4	4	4	8	6	4	4	4	4	5	6	6	5	5	5	6	6	5	4	4	4.8	8.3
2-Mar-06	5	5	5	4	5	5	6	6	6	6	5	5	6	4	4	5	5	5	5	6	6	6	8	9	5.4	8.5
3-Mar-06	8	7	5	4	5	5	5	6	5	6	5	5	5	5	6	5	7	7	7	9	5	5	8	7	6.0	8.7
4-Mar-06	5	5	6	6	5	7	11	8	10	14	7	5	7	9	8	9	9	11	12	19	12	10	10	11	8.9	18.5
5-Mar-06	10	9	9	9	9	12	18	16	15	14	13	9	9	10	15	13	12	10	11	14	11	11	10	11	11.7	18.3
6-Mar-06	10	12	15	15	14	13	20	22	16	18	18	17	10	18	18	13	11	6	7	6	4	2	3	2	12.0	21.5
7-Mar-06	4	5	6	4	4	5	7	15	19	7	8	12	9	7	4	1	0	0	0	0	0	0	0	0	4.9	18.7
8-Mar-06	3	2	0	0	0	0	1	2	2	1	1	0	0	0	5	0	0	0	0	0	0	0	0	0	0.7	4.9
9-Mar-06	1	1	0	D	0	0	0	0	2	2	0	0	1	1	1	1	1	2	3	3	4	3	4	4	1.5	4.5
10-Mar-06	8	6	3	4	5	7	7	5	4	4	4	4	4	4	5	5	7	6	6	5	4	4	6	4	5.0	8.4
11-Mar-06	3	6	4	3	3	3	3	3	4	4	3	4	5	5	4	5	4	5	5	10	9	16	9	7	5.3	15.6
12-Mar-06	6	6	3	2	3	3	5	6	7	12	8	2	2	2	3	5	4	4	7	5	4	3	4	5	4.7	11.7
13-Mar-06	5	4	3	4	4	3	5	7	8	8	13	8	6	4	5	8	5	6	4	4	5	4	5	4	5.4	13.0
14-Mar-06	1	1	1	1	2	1	1	1	1	1	1	1	2	2	3	2	3	3	2	3	4	3	3	4	2.0	4.0
15-Mar-06	3	3	3	2	3	3	3	3	3	3	3	3	4	4	4	5	4	4	3	3	4	3	3	9	3.5	9.3
16-Mar-06	5	3	2	2	3	3	3	3	3	2	2	1	2	4	3	3	2	2	4	6	4	6	4	3	3.1	6.4
17-Mar-06	2	3	2	3	4	5	5	6	5	6	5	6	7	7	6	7	9	11	12	11	4	2	3	4	5.7	12.2
18-Mar-06	2	3	3	2	2	2	3	4	4	3	3	3	3	3	3	3	3	2	3	4	5	3	2	2	3.0	4.9
19-Mar-06	4	4	3	4	4	3	4	5	8	4	8	7	3	2	3	2	2	3	3	4	4	4	5	5	4.1	8.2
20-Mar-06	7	5	7	10	4	5	9	13	20	17	7	12	10	6	6	8	8	8	6	6	5	4	4	4	8.0	20.1
21-Mar-06	5	5	5	3	3	4	5	7	8	8	7	8	11	9	8	7	7	6	6	6	6	6	7	7	6.4	10.6
22-Mar-06	8	7	6	6	7	6	7	17	17	12	12	14	13	11	10	13	10	7	7	7	6	5	6	8	9.2	17.5
23-Mar-06	6	7	6	8	6	6	6	11	15	10	5	7	8	6	5	5	5	4	4	5	4	5	4	3	6.3	14.6
24-Mar-06	4	3	5	7	8	10	9	9	7	6	7	11	12	11	7	6	7	8	8	9	9	10	10	7	7.9	11.7
25-Mar-06	9	11	10	9	9	8	11	14	14	16	17	20	22	22	23	19	18	13	17	17	20	24	27	23	16.4	27.3
26-Mar-06	15	15	11	4	6	5	4	10	11	6	5	0	0	0	D	0	0	1	0	2	2	3	3	1	4.5	14.7
27-Mar-06	0	0	0	0	0	1	1	2	3	3	2	1	0	0	1	2	2	3	8	5	C	C	12	17	2.8	16.9
28-Mar-06	18	18	7	26	20	9	20	8	9	7	1	D	4	D	4	D	7	2	4	10	17	8	3	2	9.7	25.6
29-Mar-06	D	D	20	4	8	4	2	5	4	2	3	4	6	6	5	6	7	8	13	12	11	16	11	10	7.6	19.7
30-Mar-06	D	29	13	7	4	2	7	4	7	7	1	0	0	4	4	2	2	7	14	28	34	44	18	4	10.6	44.4
31-Mar-06	12	1	2	4	2	4	6	9	D	7	4	2	2	0	3	12	D	7	8	13	29	13	4	4	6.8	29.1
Hourly Avg	6.0	6.3	5.5	5.3	5.0	4.8	6.4	7.6	8.0	7.1	5.9	5.8	5.7	5.7	6.1	5.9	5.5	5.4	6.2	7.7	7.9	7.7	6.5	6.0		
Hourly Max	18.1	29.3	19.7	25.6	19.7	12.7	20.2	21.5	20.1	18.1	18.2	19.6	22.3	22.4	22.8	19.0	18.4	13.4	17.3	28.0	34.0	44.4	27.3	23.5		

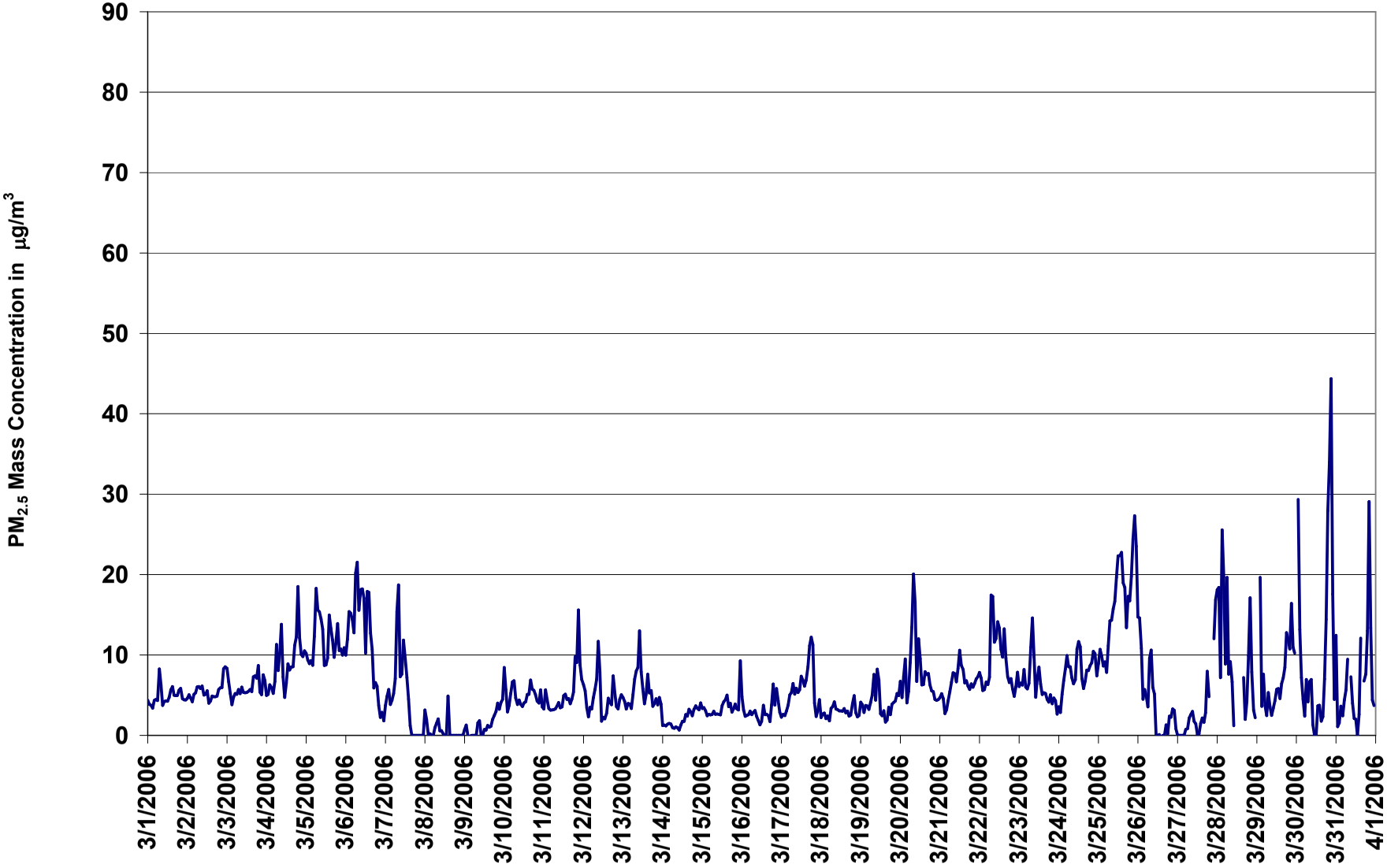


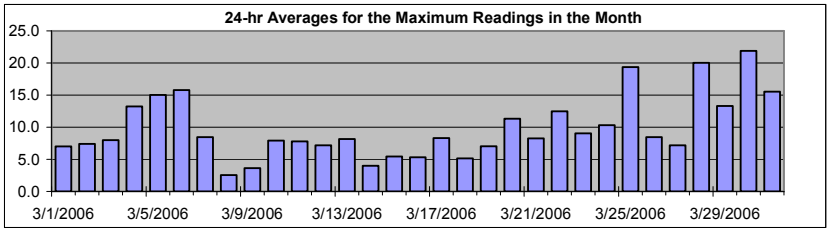
Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	106.4	µg/m³	30-Mar	21:00 22:00
Maximum 24-hr Value:	21.9	µg/m³	30-Mar	

AIC Time:	0 hrs	Operational Time:	732 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	98.7%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	43.3	23.6	11.7	7.5	5.3	2.3	0.1	9.8 / 8 µg/m⁻	8.7 µg/m⁻

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	7	6	5	5	6	6	7	11	10	5	6	8	7	7	7	8	7	8	9	7	7	6	7	6	7.0	11.2
2-Mar-06	6	7	7	6	7	7	8	7	8	9	7	7	7	7	7	7	7	7	6	8	8	8	11	10	7.4	10.7
3-Mar-06	11	8	7	5	6	7	7	7	7	8	7	7	7	7	7	7	9	9	9	12	7	7	11	11	8.0	12.4
4-Mar-06	9	8	8	8	8	9	16	11	18	22	12	11	10	11	10	10	11	13	23	26	24	13	12	16	13.2	26.3
5-Mar-06	15	11	11	12	11	17	22	19	21	19	16	12	13	12	21	16	14	12	14	16	15	13	12	17	15.0	22.4
6-Mar-06	12	16	18	17	17	16	27	28	20	21	26	23	12	21	21	18	12	11	8	7	8	5	9	4	15.8	28.1
7-Mar-06	6	9	9	7	7	7	11	31	32	18	12	16	13	10	7	4	1	0	1	0	0	0	0	2	8.5	31.9
8-Mar-06	10	7	3	3	0	1	3	4	4	2	2	4	0	0	12	2	0	1	1	0	1	0	1	1	2.5	12.4
9-Mar-06	4	3	5	D	0	1	1	1	3	3	3	1	3	4	3	4	4	4	4	6	6	5	7	7	3.6	6.5
10-Mar-06	19	12	4	5	10	9	10	8	6	6	5	6	6	9	8	8	9	7	8	7	6	7	8	5	7.9	19.0
11-Mar-06	5	8	6	5	5	5	5	5	5	6	5	6	8	7	6	6	6	8	8	13	15	24	13	9	7.8	23.7
12-Mar-06	8	8	6	4	5	6	7	9	9	16	13	6	4	4	4	6	6	5	12	7	6	7	7	8	7.2	15.8
13-Mar-06	7	6	6	6	6	5	8	10	11	13	17	10	8	6	7	10	7	8	5	7	7	8	9	8	8.2	17.2
14-Mar-06	4	3	3	4	3	3	3	3	3	3	2	4	3	3	4	5	6	5	4	5	6	5	6	7	4.0	6.6
15-Mar-06	5	5	5	4	4	5	5	4	5	4	4	4	5	7	7	7	6	6	5	5	6	5	7	12	5.4	11.9
16-Mar-06	8	5	4	4	4	4	5	5	5	4	4	3	4	6	4	4	5	4	6	10	6	12	7	5	5.3	11.6
17-Mar-06	4	5	5	6	6	7	7	9	8	7	7	7	9	9	8	10	12	16	16	13	11	4	4	8	8.3	15.9
18-Mar-06	7	5	4	4	5	4	5	5	6	5	5	5	5	5	6	5	6	6	4	6	7	6	4	5	5.2	6.6
19-Mar-06	9	7	5	7	5	6	6	8	12	7	11	12	5	5	5	4	4	7	6	6	7	6	10	8	7.0	11.7
20-Mar-06	10	9	10	20	6	8	12	19	25	27	9	17	14	8	8	10	10	10	8	8	7	6	6	6	11.3	27.3
21-Mar-06	6	7	7	4	5	5	7	9	10	9	8	10	15	11	10	9	9	8	7	8	7	8	8	9	8.3	14.9
22-Mar-06	9	9	8	9	9	8	12	25	26	17	16	17	16	14	12	16	15	9	9	9	7	6	10	10	12.5	26.4
23-Mar-06	8	8	8	13	8	8	8	14	20	19	7	9	10	9	9	8	7	8	7	6	6	7	6	5	9.0	20.1
24-Mar-06	5	4	8	9	11	14	12	10	10	8	9	15	14	14	10	7	10	11	10	11	11	13	13	11	10.3	14.6
25-Mar-06	10	12	12	12	11	10	13	17	18	18	20	22	25	26	25	21	21	17	20	19	22	31	32	31	19.4	32.2
26-Mar-06	19	16	15	6	9	8	8	16	18	16	17	2	2	4	D	4	3	5	4	5	5	5	6	2	8.5	18.6
27-Mar-06	2	1	1	1	1	3	2	5	4	5	5	4	7	5	10	9	6	13	18	12	C	C	19	25	7.2	25.2
28-Mar-06	28	29	15	57	37	20	39	18	14	14	7	D	12	D	11	D	23	8	14	30	25	12	5	4	20.0	56.6
29-Mar-06	D	D	32	15	40	24	6	9	5	4	5	6	8	8	7	8	8	10	17	18	12	24	14	14	13.3	40.3
30-Mar-06	D	50	23	13	13	9	18	18	13	13	7	2	3	9	9	6	8	16	21	49	52	106	31	17	21.9	106.4
31-Mar-06	52	3	19	18	5	8	9	15	D	11	7	5	4	2	6	56	D	15	12	17	45	22	7	5	15.6	56.3
Hourly Avg	10.5	9.6	8.9	9.6	8.7	8.1	9.9	11.6	11.8	10.9	9.1	8.8	8.4	8.3	9.1	9.9	8.5	8.6	9.6	11.4	11.6	12.6	9.7	9.2		
Hourly Max	52.3	50.1	31.8	56.6	40.3	24.3	38.6	31.1	31.9	27.3	26.1	23.3	25.1	26.3	25.1	56.3	23.1	17.1	22.7	48.7	51.6	106.4	32.2	31.0		

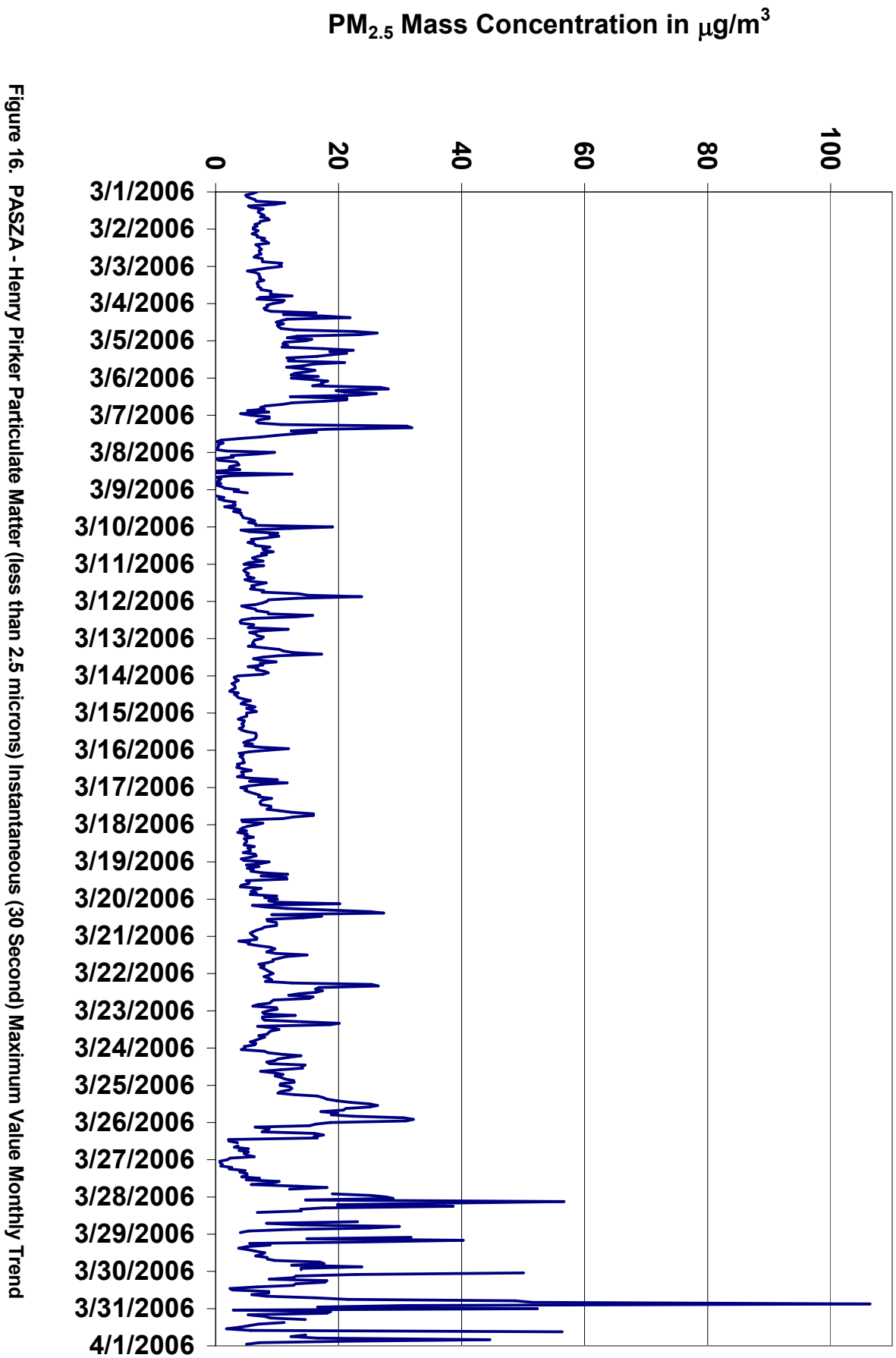
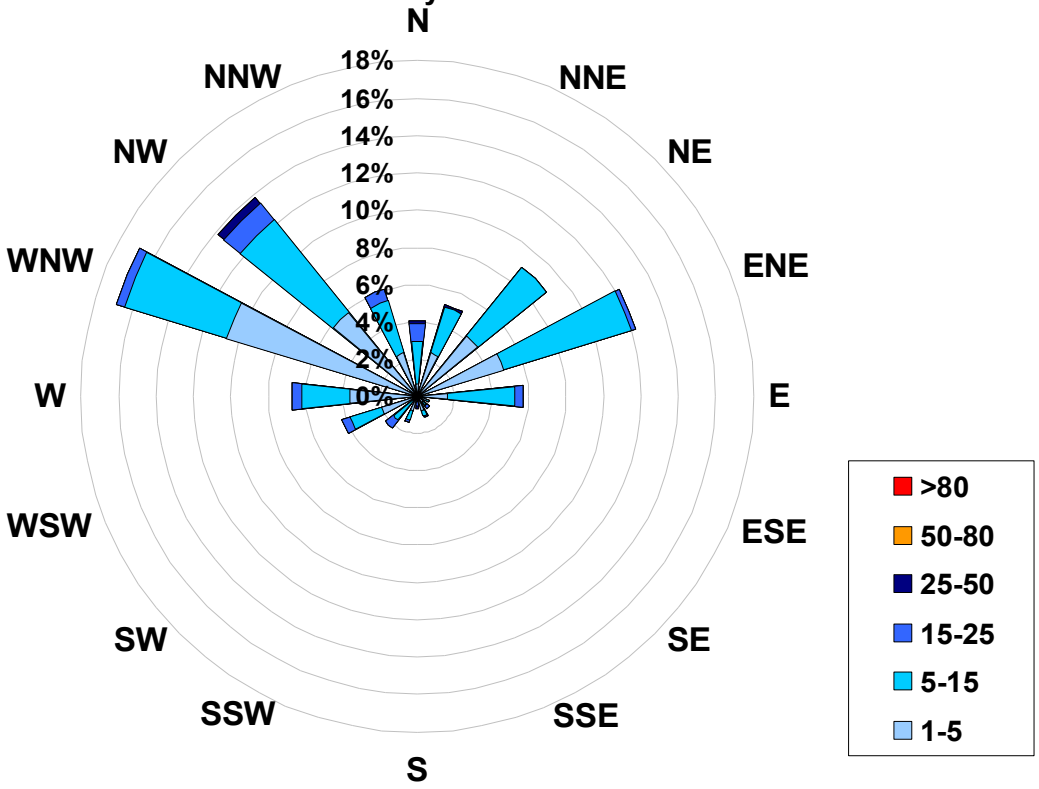


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 March 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	365
5	to	15	317
15	to	25	43
25	to	50	7
50	to	80	0
	>	80	0
Total Non-Zero Values			732

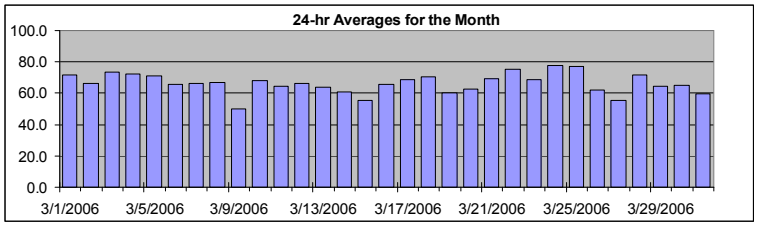
PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Relative Humidity (RH)

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



Summary

Maximum 1-hr Average:	92.0	%	31-Mar	6:00 7:00
Maximum 24-hr Value:	77.9	%	24-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	90.6	87.4	76.2	69.1	57.1	38.1	31.9	66.3 %	69.1 %

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-Mar-06	82	81	80	80	80	81	82	82	79	74	71	65	64	59	60	64	64	64	69	69	68	66	66	66	71.4	82.1
2-Mar-06	68	70	71	74	76	75	76	76	73	68	64	61	59	56	55	54	55	57	64	66	66	68	69	68	66.2	76.1
3-Mar-06	69	70	71	71	72	71	72	72	73	77	76	74	72	72	70	62	63	69	75	79	82	82	82	81	73.3	82.3
4-Mar-06	78	76	76	77	75	75	77	75	77	79	76	70	61	60	65	63	63	64	74	80	76	74	74	74	72.5	79.7
5-Mar-06	74	74	74	73	73	73	74	73	72	73	73	69	63	62	61	61	64	67	72	74	75	76	74	78	70.9	77.6
6-Mar-06	80	80	82	81	81	81	82	83	72	60	53	53	54	52	48	50	52	55	62	63	64	64	65	64	65.9	82.7
7-Mar-06	70	79	82	83	86	86	85	86	83	69	56	52	51	54	47	48	50	49	54	57	59	64	63	69	66.0	86.3
8-Mar-06	72	72	71	70	68	69	69	67	63	56	51	44	43	42	56	70	70	76	81	80	80	78	80	76	66.9	80.8
9-Mar-06	74	77	77	65	58	57	55	52	50	49	43	39	35	35	35	35	33	38	42	45	48	49	53	61	50.2	76.9
10-Mar-06	65	74	74	72	72	68	67	68	65	59	54	49	51	60	63	68	70	71	76	76	76	75	77	78	67.8	77.6
11-Mar-06	78	76	74	73	74	74	74	73	72	69	54	44	39	36	37	43	48	57	67	77	80	81	77	76	64.7	81.0
12-Mar-06	75	76	77	76	76	75	75	74	74	72	65	45	45	42	39	45	52	61	67	73	72	75	80	79	66.3	79.7
13-Mar-06	78	78	77	78	76	76	75	76	67	54	42	47	47	49	39	44	53	60	66	67	71	74	73	73	64.1	78.0
14-Mar-06	73	72	70	69	69	68	68	69	67	61	52	49	49	43	42	47	51	56	59	61	62	66	66	65	60.6	73.0
15-Mar-06	65	66	66	65	64	63	63	62	60	56	49	38	35	31	36	43	47	52	57	60	62	64	64	69	55.6	68.9
16-Mar-06	68	66	66	67	69	69	71	71	71	67	62	58	52	50	52	58	62	63	66	71	76	75	74	75	65.8	75.9
17-Mar-06	76	76	76	76	76	76	76	75	73	71	66	60	57	54	55	54	58	58	65	71	73	73	73	75	68.5	76.3
18-Mar-06	74	75	78	77	77	75	73	74	73	72	71	71	69	67	63	60	60	61	66	69	69	70	71	72	70.2	77.6
19-Mar-06	73	75	75	72	72	71	70	69	60	48	38	35	36	38	42	46	43	51	58	67	71	75	78	79	60.1	78.9
20-Mar-06	79	78	78	77	75	74	74	73	61	51	44	35	35	37	39	47	51	57	62	69	73	76	78	78	62.6	78.6
21-Mar-06	81	81	82	80	80	80	80	78	70	66	59	54	55	50	49	52	52	60	66	72	75	77	80	83	69.2	82.9
22-Mar-06	85	85	87	88	89	89	88	85	81	79	75	61	47	48	57	60	64	68	72	76	80	81	80	81	75.2	89.4
23-Mar-06	84	87	89	89	88	87	87	84	71	59	48	46	46	44	45	46	50	60	62	70	72	75	77	79	68.6	89.0
24-Mar-06	81	84	86	87	88	88	89	88	81	78	75	70	66	63	60	58	66	72	75	79	82	84	86	86	77.9	88.7
25-Mar-06	87	89	89	90	91	90	91	89	83	76	57	68	54	60	53	63	49	64	72	79	86	90	91	92	77.2	91.6
26-Mar-06	91	90	88	88	88	87	86	85	73	61	44	39	34	39	35	35	36	43	48	55	60	61	59	64	62.2	91.0
27-Mar-06	69	67	66	67	71	76	77	68	51	43	40	38	34	29	29	28	29	38	57	63	69	67	72	80	55.3	79.6
28-Mar-06	84	82	79	84	85	85	85	81	81	77	73	63	63	60	57	56	57	58	61	65	69	70	70	73	71.6	85.3
29-Mar-06	73	72	74	76	80	79	79	74	65	63	56	52	49	50	47	48	50	52	59	65	63	69	73	80	64.5	80.4
30-Mar-06	83	87	88	89	90	90	91	88	81	81	69	59	48	38	35	35	34	37	46	53	59	53	56	65	64.8	91.0
31-Mar-06	76	83	86	89	91	92	92	88	72	63	57	56	50	41	37	33	30	31	29	33	41	50	55	55	59.5	92.0
Hourly Avg	76.2	77.4	77.6	77.6	77.6	77.5	77.5	76.1	70.8	65.5	58.5	53.7	50.4	49.1	48.7	50.8	52.4	57.2	62.8	67.2	69.6	71.1	72.2	74.0		
Hourly Max	91.0	90.1	89.4	90.4	90.7	91.6	92.0	89.4	83.3	81.1	76.3	74.3	72.2	71.9	69.7	69.8	70.4	75.7	80.8	80.0	86.4	90.4	91.4	91.6		

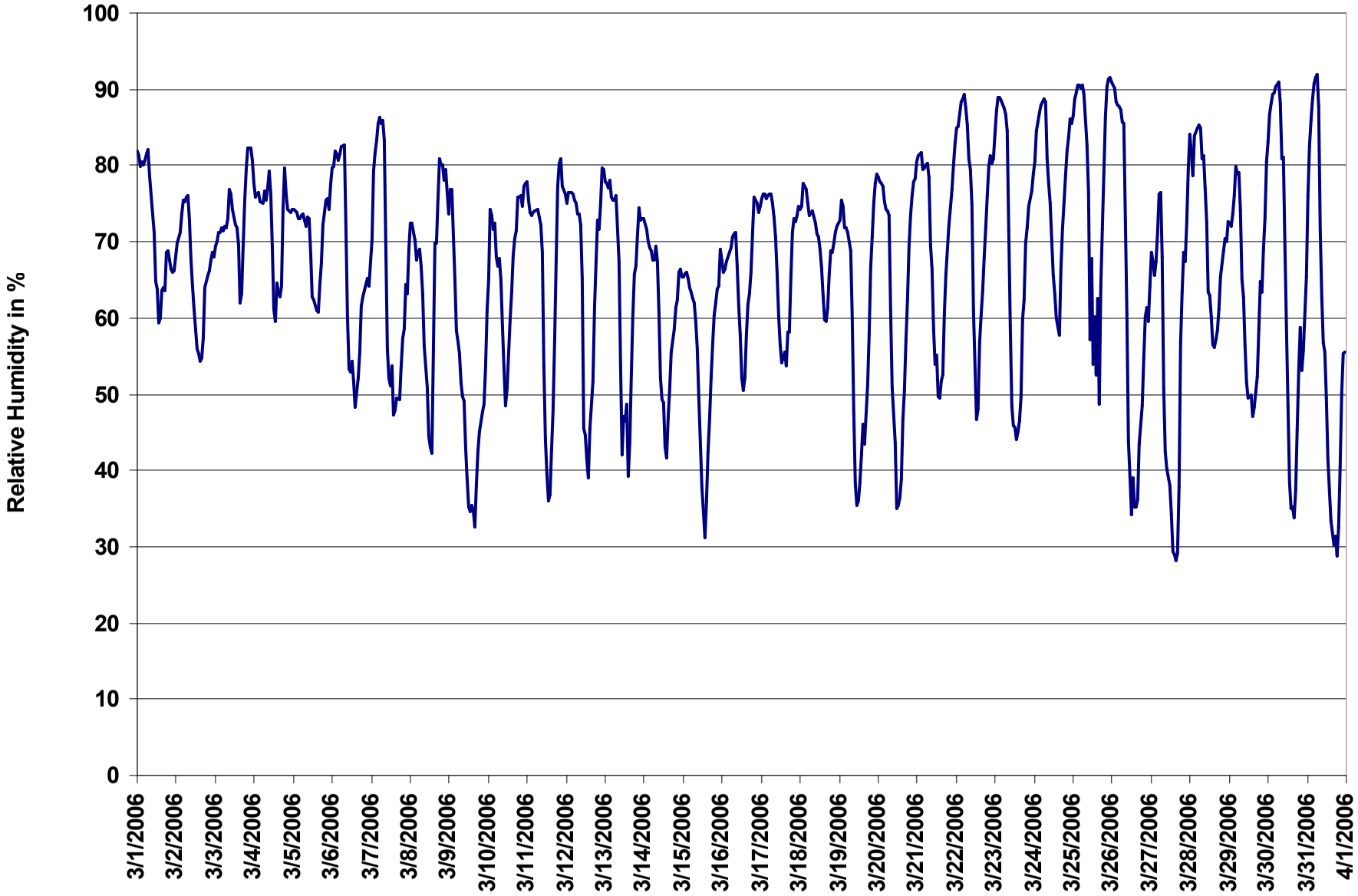


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

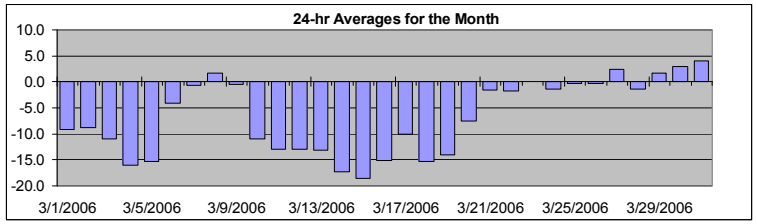
PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	11.6	°C	27-Mar	15:00 16:00
Maximum 24-hr Value:	4.0	°C	31-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	9.6	7.3	0.2	-6.3	-12.9	-21.8	-23.5	-6.7 °C	-6.3 °C

Status Flag Characters

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

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	-11	-11	-11	-11	-11	-12	-12	-13	-12	-11	-10	-8	-7	-5	-5	-5	-6	-7	-9	-9	-9	-9	-9	-9	-9.1	-5.1
2-Mar-06	-9	-9	-9	-11	-12	-12	-13	-14	-13	-11	-10	-8	-7	-5	-4	-4	-4	-5	-8	-9	-9	-10	-9	-9	-8.9	-3.9
3-Mar-06	-10	-11	-12	-12	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-8	-7	-7	-9	-11	-12	-13	-13	-14	-16	-11.1	-6.7
4-Mar-06	-20	-21	-21	-21	-22	-22	-20	-21	-18	-14	-12	-10	-8	-7	-9	-9	-9	-9	-13	-15	-19	-21	-23	-23	-16.1	-7.3
5-Mar-06	-23	-23	-23	-23	-24	-24	-23	-24	-23	-21	-18	-14	-11	-10	-7	-7	-7	-8	-10	-10	-9	-9	-8	-9	-15.3	-6.7
6-Mar-06	-10	-11	-13	-12	-11	-12	-13	-12	-8	-5	-3	-2	-1	1	3	4	4	3	1	0	0	0	0	0	-4.1	4.0
7-Mar-06	-1	-4	-6	-8	-10	-10	-11	-9	-7	-3	2	5	6	6	9	9	7	6	4	3	2	0	-1	-3	-0.6	8.9
8-Mar-06	-3	-3	-3	-2	-2	-2	-2	-1	0	2	4	6	7	7	6	5	5	4	3	3	3	3	2	2	1.8	7.1
9-Mar-06	2	2	2	2	1	0	-1	-1	-2	-1	1	2	3	2	2	2	3	0	-2	-3	-4	-5	-6	-9	-0.4	2.7
10-Mar-06	-10	-10	-10	-11	-11	-11	-11	-12	-11	-10	-9	-7	-8	-9	-10	-11	-11	-11	-12	-13	-13	-14	-14	-14	-11.0	-7.2
11-Mar-06	-15	-15	-16	-16	-16	-16	-16	-16	-16	-14	-11	-8	-6	-4	-4	-5	-6	-9	-12	-15	-16	-17	-21	-22	-13.0	-3.7
12-Mar-06	-23	-20	-19	-21	-21	-23	-23	-24	-20	-15	-10	-4	-3	-1	0	-2	-3	-7	-10	-11	-11	-11	-12	-16	-12.9	0.3
13-Mar-06	-20	-21	-22	-21	-22	-22	-22	-22	-18	-11	-7	-6	-4	-4	0	-2	-5	-7	-10	-11	-12	-14	-15	-15	-13.1	-0.2
14-Mar-06	-16	-17	-18	-19	-20	-21	-21	-22	-21	-20	-18	-16	-15	-12	-11	-13	-14	-15	-16	-17	-17	-18	-19	-20	-17.3	-11.0
15-Mar-06	-21	-22	-22	-22	-23	-23	-23	-23	-22	-21	-19	-15	-13	-10	-11	-13	-14	-16	-17	-18	-19	-19	-19	-21	-18.5	-9.8
16-Mar-06	-19	-19	-19	-19	-18	-18	-18	-18	-17	-16	-14	-13	-10	-10	-10	-12	-12	-12	-13	-15	-16	-16	-15	-15	-15.2	-9.5
17-Mar-06	-14	-14	-14	-14	-13	-13	-14	-13	-13	-12	-10	-8	-7	-5	-5	-4	-6	-5	-7	-8	-9	-10	-11	-10	-10.1	-4.5
18-Mar-06	-11	-13	-13	-14	-14	-15	-16	-17	-18	-18	-18	-18	-17	-15	-13	-13	-13	-14	-15	-16	-15	-16	-18	-18	-15.3	-11.3
19-Mar-06	-19	-21	-23	-26	-27	-27	-28	-27	-23	-16	-10	-4	-2	-2	-3	-4	-2	-4	-7	-9	-10	-11	-14	-17	-14.0	-1.5
20-Mar-06	-19	-20	-20	-21	-22	-23	-23	-22	-13	-5	-1	2	5	7	7	5	3	1	0	-2	-4	-5	-5	-5	-7.5	7.2
21-Mar-06	-5	-6	-6	-6	-6	-6	-6	-6	-3	-1	1	3	3	5	6	5	4	2	0	-2	-2	-3	-3	-4	-1.7	5.5
22-Mar-06	-4	-5	-6	-7	-7	-7	-10	-10	-8	-5	-2	3	7	6	4	4	4	3	2	0	-1	-1	-1	-2	-1.7	7.1
23-Mar-06	-3	-5	-5	-7	-8	-10	-10	-9	-4	1	5	7	8	9	9	9	7	4	3	1	1	0	0	-1	0.1	9.0
24-Mar-06	-2	-4	-5	-5	-5	-5	-5	-5	-3	-2	-1	0	2	3	4	5	2	1	0	-1	-1	-2	-2	-2	-1.4	4.6
25-Mar-06	-3	-3	-4	-5	-5	-6	-5	-4	-3	0	5	2	6	5	8	5	9	4	2	0	-2	-3	-4	-4	-0.3	8.7
26-Mar-06	-6	-8	-9	-9	-9	-10	-11	-10	-5	1	7	10	11	9	9	8	7	5	4	2	0	-2	-1	-2	-0.4	11.0
27-Mar-06	-3	-2	-2	-3	-4	-5	-5	-3	3	6	8	9	10	11	11	12	11	7	3	1	0	0	-2	-3	2.4	11.6
28-Mar-06	-4	-4	-5	-6	-7	-7	-7	-6	-5	-1	1	3	3	3	4	4	3	2	2	1	-1	-1	-2	-2	-1.3	4.1
29-Mar-06	-2	-2	-3	-4	-5	-5	-5	-4	-1	0	3	5	6	6	7	8	8	8	6	5	5	3	2	1	1.8	8.1
30-Mar-06	0	-2	-3	-4	-4	-4	-3	-1	1	1	5	7	7	9	9	10	10	9	7	5	3	4	4	4	3.0	9.7
31-Mar-06	2	2	1	0	-2	-3	-3	-1	3	5	6	7	7	8	9	9	9	8	7	6	4	4	4	4	4.0	9.2
Hourly Avg	-9.8	-10.3	-10.9	-11.6	-12.0	-12.4	-12.8	-12.3	-10.1	-7.4	-4.7	-2.7	-1.2	-0.4	0.2	-0.3	-0.8	-2.4	-4.1	-5.4	-6.3	-6.9	-7.6	-8.4		
Hourly Max	2.3	2.0	1.9	2.0	1.3	0.5	-0.6	-1.0	2.7	6.3	8.0	9.5	11.0	10.7	11.0	11.6	10.9	8.6	7.5	6.5	4.6	3.9	4.1	3.6		

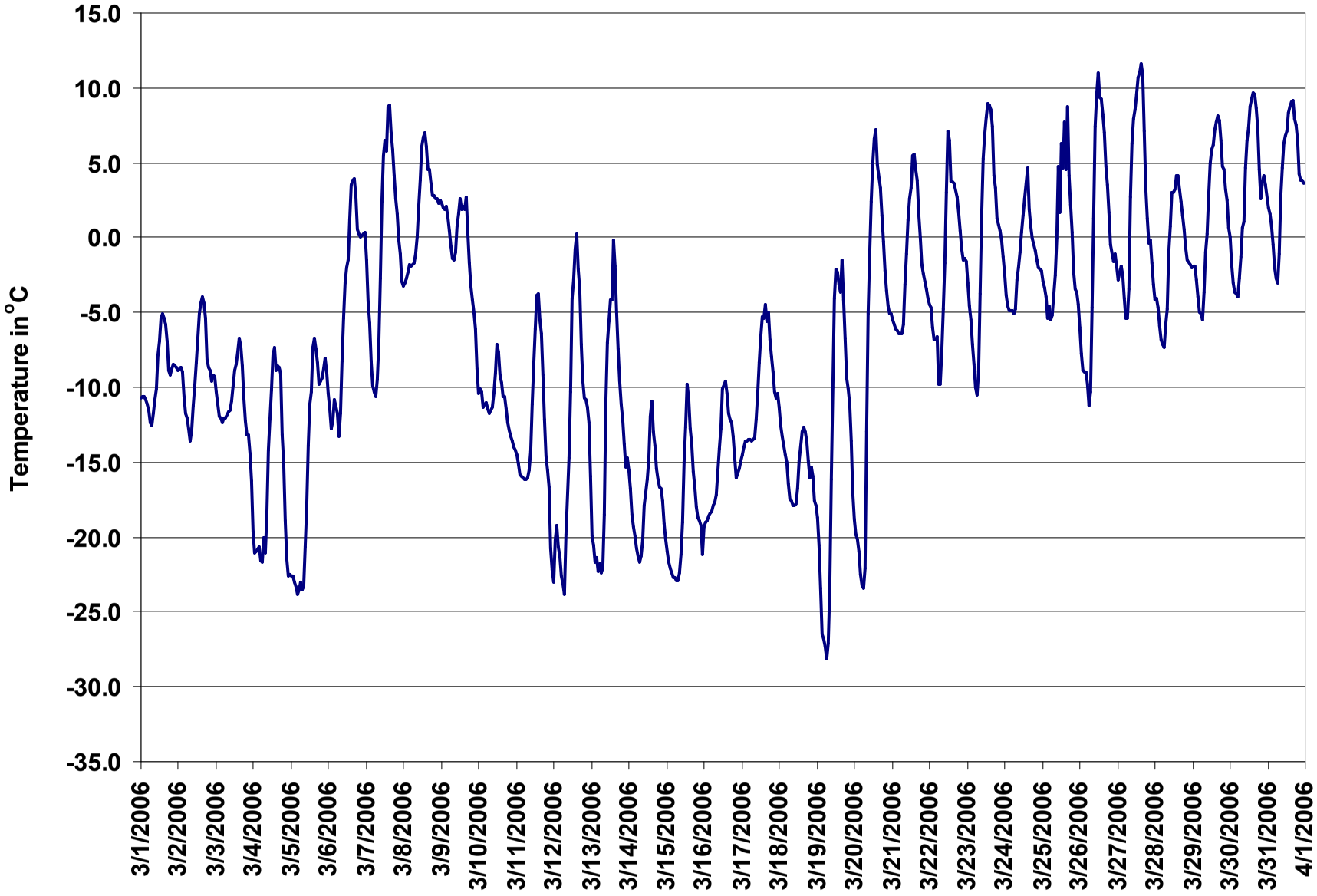


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

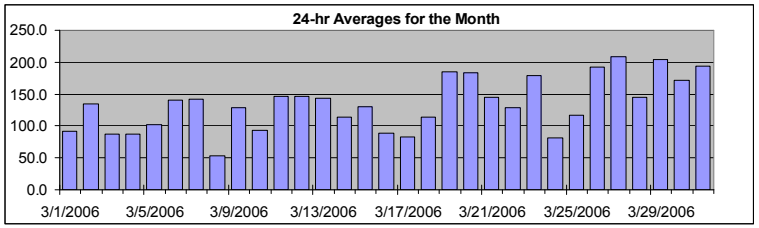
PASZA - Henry Pirker - Solar Radiation Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Solar Radiation (SR)

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



Summary

Maximum 1-hr Average:	659.6	W/m²	27-Mar	13:00 14:00
Maximum 24-hr Value:	207.9	W/m²	27-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	613.1	535.0	251.3	1.5	0.0	0.0	0.0	134.2 W/m²	1.5 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-Mar-06	0	0	0	0	0	0	0	0	27	127	208	297	321	430	364	235	160	41	0	0	0	0	0	0	92.1	430.0
2-Mar-06	0	0	0	0	0	0	0	2	74	205	333	428	484	491	455	374	256	116	6	0	0	0	0	0	134.3	491.0
3-Mar-06	0	0	0	0	0	0	0	1	31	74	152	229	278	244	318	376	252	113	11	0	0	0	0	0	86.6	376.0
4-Mar-06	0	0	0	0	0	0	0	2	47	141	200	251	316	337	270	275	202	69	0	0	0	0	0	0	87.9	336.8
5-Mar-06	0	0	0	0	0	0	0	3	58	138	260	403	473	402	380	188	108	42	0	0	0	0	0	0	102.3	472.9
6-Mar-06	0	0	0	0	0	0	0	0	106	226	321	424	497	549	466	386	270	107	6	0	0	0	0	0	139.9	549.1
7-Mar-06	0	0	0	0	0	0	0	2	59	239	370	440	482	499	481	405	279	146	16	0	0	0	0	0	142.3	498.7
8-Mar-06	0	0	0	0	0	0	0	0	42	112	177	332	218	168	90	64	52	25	0	0	0	0	0	0	53.3	332.1
9-Mar-06	0	0	0	0	0	0	0	0	45	164	337	380	435	384	388	381	360	175	37	0	0	0	0	0	128.6	434.5
10-Mar-06	0	0	0	0	0	0	0	0	40	138	273	425	397	300	233	158	162	92	19	0	0	0	0	0	93.2	424.6
11-Mar-06	0	0	0	0	0	0	0	8	66	172	373	491	536	563	457	362	308	161	21	0	0	0	0	0	146.6	562.6
12-Mar-06	0	0	0	0	0	0	0	11	61	160	263	443	550	555	516	429	310	175	38	0	0	0	0	0	146.3	555.2
13-Mar-06	0	0	0	0	0	0	0	12	137	269	403	515	531	445	457	343	210	92	18	0	0	0	0	0	142.9	531.3
14-Mar-06	0	0	0	0	0	0	0	8	65	155	323	393	433	423	343	262	219	96	22	0	0	0	0	0	114.3	433.2
15-Mar-06	0	0	0	0	0	0	0	14	61	154	307	468	518	520	455	314	198	92	24	0	0	0	0	0	130.2	520.0
16-Mar-06	0	0	0	0	0	0	0	11	57	148	236	307	330	309	283	177	133	93	30	0	0	0	0	0	88.1	329.9
17-Mar-06	0	0	0	0	0	0	0	8	44	115	190	233	277	317	293	223	143	105	34	0	0	0	0	0	82.5	316.7
18-Mar-06	0	0	0	0	0	0	0	17	104	108	162	209	341	442	489	390	268	171	32	0	0	0	0	0	113.9	489.2
19-Mar-06	0	0	0	0	0	0	0	40	191	328	455	547	599	602	560	476	356	213	55	0	0	0	0	0	184.2	602.5
20-Mar-06	0	0	0	0	0	0	0	41	187	328	464	558	609	613	566	454	332	190	44	0	0	0	0	0	182.8	613.0
21-Mar-06	0	0	0	0	0	0	0	30	133	195	292	331	377	578	524	434	347	182	48	0	0	0	0	0	144.6	577.7
22-Mar-06	0	0	0	0	0	0	0	45	121	169	234	391	551	525	405	296	198	108	59	1	0	0	0	0	129.3	550.9
23-Mar-06	0	0	0	0	0	0	1	66	228	306	396	473	543	583	572	484	355	196	84	1	0	0	0	0	178.7	582.6
24-Mar-06	0	0	0	0	0	0	0	44	112	120	141	196	229	325	249	329	126	76	23	0	0	0	0	0	82.1	328.5
25-Mar-06	0	0	0	0	0	0	2	66	104	201	340	228	451	277	418	231	378	95	28	1	0	0	0	0	117.5	451.0
26-Mar-06	0	0	0	0	0	0	0	53	197	331	474	583	642	613	600	513	363	176	68	7	0	0	0	0	192.5	641.7
27-Mar-06	0	0	0	0	0	0	2	68	233	383	519	601	653	660	623	573	438	193	40	3	0	0	0	0	207.9	659.6
28-Mar-06	0	0	0	0	0	0	3	70	111	156	281	462	408	493	538	465	270	163	58	6	0	0	0	0	145.2	538.3
29-Mar-06	0	0	0	0	0	0	4	83	235	384	502	582	637	628	602	515	394	252	63	2	0	0	0	0	203.5	636.7
30-Mar-06	0	0	0	0	0	0	6	77	133	212	424	488	503	578	582	498	368	168	79	0	0	0	0	0	171.5	581.6
31-Mar-06	0	0	0	0	0	0	7	113	255	388	511	592	633	584	560	494	352	122	42	0	0	0	0	0	193.9	633.4
Hourly Avg	0.0	0.0	0.0	0.0	0.0	0.0	0.8	28.9	108.5	204.7	320.0	409.6	459.7	465.7	436.7	358.2	263.5	130.4	32.4	0.7	0.0	0.0	0.0	0.0		
Hourly Max	0.0	0.0	0.0	0.0	0.0	0.0	6.8	113.0	255.1	387.6	519.1	601.4	652.7	659.6	622.9	573.4	438.1	251.6	84.4	6.7	0.0	0.0	0.0	0.0		

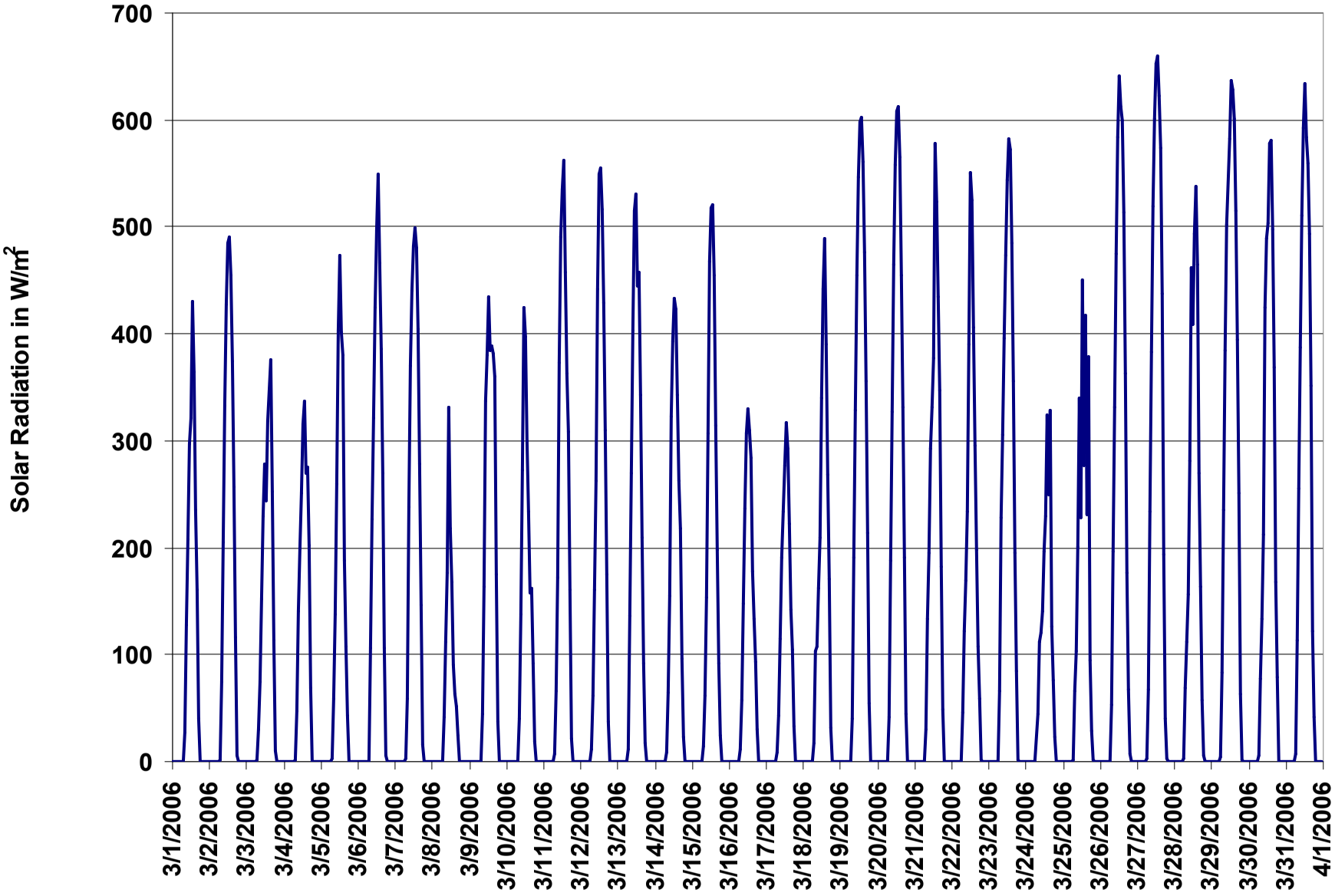


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

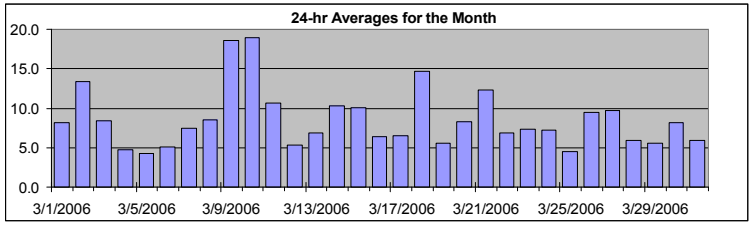
PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

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



Summary

Maximum 1-hr Average:	28.7	km/hr	9-Mar	5:00 6:00
Maximum 24-hr Value:	18.9	km/hr	10-Mar	

Calm Time:	0 hrs	**0%** calms	
Calibration Time:	0 hrs		
Operational Time:	744 hrs		
AMD Operational Uptime:	100.0%		

Percentile	99	95	75	50	25	5	1	AverageS
	24.0	19.6	11.2	6.8	4.6	3.1	2.5	8.6 km/hr

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Mar-06	10	11	10	10	8	4	4	4	6	7	8	6	6	7	7	6	8	9	9	9	11	13	11	11	8.1	13.4
2-Mar-06	10	11	12	12	11	15	14	14	15	14	16	16	16	15	16	17	13	11	12	9	12	13	12	15	13.4	17.1
3-Mar-06	13	12	9	11	12	10	11	9	10	9	9	9	8	8	8	8	8	8	6	5	6	6	4	4	8.4	13.1
4-Mar-06	5	4	4	3	3	4	4	4	4	3	7	6	4	5	8	7	7	5	5	3	4	4	5	5	4.8	8.4
5-Mar-06	4	4	5	3	3	3	3	3	4	4	4	4	5	6	6	5	6	5	4	3	4	4	4	5	4.3	6.2
6-Mar-06	4	3	2	2	4	4	4	4	3	3	4	6	7	7	6	5	5	6	7	7	8	7	7	5	5.1	8.0
7-Mar-06	5	3	3	5	4	4	3	3	5	5	4	4	4	6	4	6	17	15	19	20	18	13	8	4	7.5	19.8
8-Mar-06	3	5	4	6	8	5	6	7	8	8	10	12	11	10	11	9	11	13	12	11	9	9	9	8	8.5	13.1
9-Mar-06	5	5	16	18	26	29	25	24	23	21	24	25	23	28	27	26	23	19	15	12	11	10	7	4	18.6	28.7
10-Mar-06	6	14	15	15	17	19	18	21	22	22	24	23	24	24	23	20	21	20	18	17	17	17	17	18	18.9	23.7
11-Mar-06	18	18	19	19	15	15	15	15	14	14	15	13	10	8	7	6	7	6	5	3	3	3	4	5	10.7	19.2
12-Mar-06	4	3	5	4	4	4	3	4	4	4	6	5	9	8	7	8	9	7	5	4	8	6	4	4	5.4	8.9
13-Mar-06	4	4	5	4	5	5	5	5	7	6	7	12	13	12	7	5	6	7	8	8	8	7	7	7	6.8	13.1
14-Mar-06	11	14	17	15	12	15	13	14	13	14	13	12	10	8	5	7	8	7	6	6	6	5	7	9	10.2	16.5
15-Mar-06	13	14	14	15	15	15	16	15	14	13	12	10	7	7	7	8	8	7	6	7	5	5	4	4	10.1	15.9
16-Mar-06	5	6	7	7	7	7	6	7	7	7	8	6	5	6	6	6	7	6	5	7	7	6	6	5	6.4	7.7
17-Mar-06	5	4	3	4	4	5	6	6	9	7	8	6	6	6	7	5	5	3	5	8	13	15	10	7	6.5	15.1
18-Mar-06	15	14	14	17	16	17	19	21	21	21	21	21	21	19	18	15	13	10	8	6	6	8	6	5	14.7	21.4
19-Mar-06	4	4	4	5	5	4	5	5	6	4	4	4	7	9	11	11	9	8	7	4	4	3	3	4	5.5	11.0
20-Mar-06	3	3	3	4	4	4	3	3	4	6	7	5	7	9	11	15	16	15	15	15	13	10	11	13	8.3	15.8
21-Mar-06	13	12	12	11	10	11	12	11	10	12	12	12	13	16	16	16	16	15	12	10	11	11	11	10	12.3	16.4
22-Mar-06	9	9	6	6	5	5	3	4	5	5	6	4	6	8	10	8	7	10	11	8	6	9	10	7	6.9	10.5
23-Mar-06	5	3	3	3	4	4	4	3	4	5	4	5	6	9	11	10	10	11	12	10	12	13	14	13	7.4	14.3
24-Mar-06	11	10	9	9	10	10	9	4	5	7	4	5	5	6	6	6	8	8	8	7	7	4	6	7	7.2	11.2
25-Mar-06	4	3	5	6	4	3	3	3	3	4	4	6	7	6	6	8	5	4	5	5	3	3	3	3	4.5	8.2
26-Mar-06	4	4	6	4	2	4	5	5	4	4	5	9	15	18	20	21	21	20	15	11	9	6	7	8	9.4	21.3
27-Mar-06	8	8	8	10	7	3	5	5	11	13	19	21	18	17	18	13	10	10	6	6	5	5	3	3	9.7	21.0
28-Mar-06	2	5	7	6	6	4	6	6	5	4	6	6	6	6	7	7	8	9	7	5	6	6	7	7	6.0	8.9
29-Mar-06	7	8	5	4	3	4	3	3	9	9	5	4	5	7	6	7	7	6	5	5	7	6	5	3	5.5	8.9
30-Mar-06	4	4	4	3	4	2	5	4	4	5	11	12	18	21	20	17	11	9	9	5	4	5	8	10	8.2	20.6
31-Mar-06	6	5	4	2	3	3	3	3	3	4	5	10	11	8	9	11	10	9	5	4	4	6	8	7	5.9	10.8
1-hr Average	7.1	7.3	7.7	7.8	7.8	7.8	7.8	7.8	8.4	8.5	9.4	9.7	10.2	10.6	10.7	10.4	10.2	9.6	8.8	7.7	7.9	7.8	7.4	7.1		
Hourly Max	18.1	18.2	18.7	19.2	25.5	28.7	25.0	24.2	23.5	22.3	23.7	24.8	23.7	28.4	26.8	25.6	22.7	20.3	19.2	19.8	17.8	17.3	17.4	17.7		

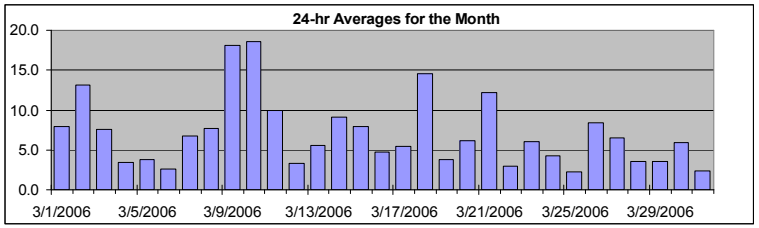
PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	28.6	km/hr	9-Mar	5:00 6:00
Maximum 24-hr Value:	18.6	km/hr	10-Mar	

Calm Time:	5 hrs	**1%** calms	Operational Time:	739 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	23.9	19.4	11.0	6.5	4.2	2.3	1.4	2.9 km/hr

Status Flag Characters

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

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Mar-06	10	11	10	10	8	4	4	4	6	6	7	5	6	6	7	6	8	9	9	9	11	13	11	11	7.9	13.4
2-Mar-06	9	11	12	12	11	15	14	14	14	14	16	16	16	15	16	17	12	11	12	9	12	13	12	14	13.1	16.9
3-Mar-06	13	12	8	11	11	10	11	9	10	8	9	9	8	7	7	8	8	8	6	5	6	6	3	3	7.6	13.0
4-Mar-06	5	4	3	3	3	3	4	4	4	3	7	5	4	4	8	7	6	3	4	3	4	4	5	5	3.4	8.1
5-Mar-06	4	4	4	3	3	2	3	3	4	3	4	4	5	6	4	5	6	4	3	3	3	4	3	4	3.8	6.1
6-Mar-06	4	2	2	1	2	calm	1	4	2	3	4	5	7	7	6	5	5	6	7	7	8	6	4	4	2.7	7.9
7-Mar-06	2	3	3	5	3	3	3	2	3	5	2	3	3	5	3	6	17	15	19	20	17	13	8	3	6.7	19.6
8-Mar-06	2	5	4	6	8	5	6	7	8	8	10	12	11	9	10	8	10	13	12	11	9	9	9	7	7.7	13.0
9-Mar-06	2	3	13	18	25	29	25	24	23	21	23	25	23	28	27	25	23	19	15	12	11	10	7	4	18.1	28.6
10-Mar-06	6	14	15	15	17	19	18	21	22	22	24	23	23	24	23	20	21	20	18	17	17	17	17	18	18.6	23.6
11-Mar-06	18	18	19	19	15	15	15	15	14	14	15	13	10	7	6	6	6	5	5	3	3	3	4	5	9.9	19.2
12-Mar-06	4	3	5	3	3	4	3	3	3	2	5	4	9	7	6	8	9	7	4	4	8	6	4	3	3.3	8.5
13-Mar-06	4	3	5	3	5	4	4	5	7	5	7	12	13	11	7	4	4	7	8	8	7	7	7	7	5.6	12.9
14-Mar-06	11	14	16	14	12	15	13	14	13	14	13	12	10	6	3	6	8	7	6	6	5	5	6	9	9.1	16.5
15-Mar-06	13	14	14	15	15	15	16	15	14	13	12	10	7	6	5	8	7	6	6	6	5	5	4	4	7.9	15.8
16-Mar-06	5	6	7	6	7	7	6	7	7	7	8	6	4	5	5	6	7	6	5	7	7	6	6	5	4.7	7.6
17-Mar-06	5	4	3	3	4	5	6	6	8	7	7	6	5	6	7	5	4	3	5	8	13	15	10	7	5.4	15.1
18-Mar-06	14	14	14	17	16	17	19	21	21	21	21	20	21	19	18	15	13	10	8	6	6	8	6	4	14.6	21.3
19-Mar-06	4	4	4	5	5	4	5	4	5	4	4	2	6	7	11	10	9	8	7	4	4	3	2	3	3.8	10.8
20-Mar-06	3	2	2	4	4	4	3	3	4	5	6	3	4	9	11	15	16	15	15	15	13	10	11	13	6.2	15.7
21-Mar-06	13	12	12	11	10	11	12	11	10	12	12	12	13	16	16	16	15	15	12	10	11	11	11	10	12.2	16.2
22-Mar-06	9	9	6	6	5	5	2	4	4	4	6	4	6	8	9	8	6	9	10	8	6	8	10	7	2.9	10.3
23-Mar-06	5	2	2	3	3	4	3	3	4	2	4	5	6	9	11	9	10	11	12	9	12	13	14	13	6.1	14.2
24-Mar-06	11	10	9	9	10	10	8	4	4	6	3	5	4	5	4	6	7	8	8	7	7	4	6	6	4.3	11.0
25-Mar-06	3	1	5	6	4	3	calm	calm	2	3	3	5	7	5	6	7	4	3	4	4	3	2	3	1	2.2	7.5
26-Mar-06	3	3	6	3	2	4	5	4	3	3	4	9	15	18	20	21	21	20	15	11	9	6	7	8	8.4	21.3
27-Mar-06	8	8	8	10	7	1	5	5	11	12	18	21	18	17	17	12	10	9	6	5	4	5	3	3	6.5	20.9
28-Mar-06	calm	4	6	6	6	4	6	6	4	2	6	5	5	5	5	6	7	9	7	5	6	6	7	7	3.6	8.6
29-Mar-06	7	7	4	3	3	4	2	3	8	9	3	2	calm	5	6	7	6	6	5	4	6	5	2	2	3.5	8.6
30-Mar-06	2	4	4	2	3	1	5	3	4	5	11	12	17	20	19	17	10	9	8	5	2	5	7	10	5.9	20.1
31-Mar-06	6	5	4	1	2	2	1	1	2	4	5	9	10	7	9	10	9	8	4	3	4	6	8	7	2.3	10.3
1-hr Vector	2.7	2.6	3.3	3.1	3.2	3.3	3.7	3.8	4.0	3.0	3.2	4.1	4.5	5.2	4.8	5.2	5.2	4.7	3.7	3.0	2.6	2.3	1.6	1.7		
Hourly Max	18.0	18.2	18.7	19.2	25.4	28.6	24.9	24.1	23.3	22.1	23.6	24.7	23.4	28.2	26.7	25.5	22.6	20.2	19.2	19.6	17.5	17.2	17.3	17.7		

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:	744 hrs																					
Calibration Time:	0 hrs						AMD Operational Uptime:	100.0%																					
Percentile	99	95	75	50	25	5	1	Average																					
	356.7	337.3	300.5	254.7	73.8	27.0	8.2	322 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-Mar-06	52	62	54	56	57	71	55	30	20	41	69	70	39	32	42	16	39	42	37	43	52	61	58	61	50	NE
2-Mar-06	67	74	74	73	79	82	85	85	89	92	78	75	71	62	72	66	51	51	57	54	72	81	90	94	75	ENE
3-Mar-06	86	81	77	85	91	92	94	93	86	90	79	75	70	74	55	60	62	61	55	36	30	28	359	322	72	ENE
4-Mar-06	318	337	334	35	3	313	310	320	326	7	101	96	67	355	296	322	339	9	309	331	316	323	304	316	338	NNW
5-Mar-06	315	322	307	314	304	249	326	323	321	301	301	299	274	276	300	358	334	303	302	208	275	246	302	297	301	WNW
6-Mar-06	238	225	217	226	321	348	234	351	279	276	283	331	321	352	11	8	357	47	49	52	56	55	45	96	6	N
7-Mar-06	312	317	330	296	308	313	310	339	279	284	247	253	281	318	297	270	266	262	265	265	252	237	239	202	270	W
8-Mar-06	148	124	116	106	107	112	114	112	113	128	145	151	165	154	153	94	86	94	95	102	95	86	82	87	115	ESE
9-Mar-06	347	337	237	244	250	249	255	258	260	270	268	255	257	253	253	260	253	253	250	257	251	249	248	263	256	WSW
10-Mar-06	306	302	302	284	278	274	273	284	286	287	292	296	300	302	306	299	304	304	307	300	293	289	286	286	293	WNW
11-Mar-06	288	291	290	285	279	281	279	275	280	277	282	282	283	284	281	267	271	340	346	41	30	359	318	302	287	WNW
12-Mar-06	313	328	289	310	340	332	325	291	298	324	114	73	62	43	26	340	321	324	318	22	53	53	82	272	357	N
13-Mar-06	333	342	287	329	316	295	309	314	311	293	272	283	296	301	352	348	45	16	27	25	359	328	308	312	323	NW
14-Mar-06	297	300	309	307	285	287	286	284	290	287	292	285	273	312	359	13	325	324	328	326	33	54	309	319	304	NW
15-Mar-06	312	305	295	285	287	287	288	288	286	290	293	293	275	269	318	4	15	28	35	44	30	51	52	316	307	NW
16-Mar-06	314	314	310	303	294	299	293	295	294	300	287	270	307	309	61	54	66	62	14	328	333	324	313	322	319	NW
17-Mar-06	313	300	292	209	284	252	243	219	228	230	243	260	269	284	282	272	343	233	278	295	307	310	315	296	278	W
18-Mar-06	303	301	291	286	291	289	290	291	287	293	286	283	285	288	290	285	288	293	288	274	270	286	289	301	289	WNW
19-Mar-06	8	353	311	310	326	318	314	299	276	277	269	59	54	284	304	328	15	12	16	25	36	36	206	274	334	NNW
20-Mar-06	337	281	294	343	332	315	311	336	325	100	100	258	55	46	51	60	59	64	68	73	75	75	78	81	58	ENE
21-Mar-06	85	83	76	77	77	76	75	76	78	80	90	86	77	71	67	67	64	67	66	61	65	78	79	75	75	ENE
22-Mar-06	71	68	52	54	61	76	260	257	262	269	232	232	258	269	289	333	15	20	27	42	45	48	62	75	22	NNE
23-Mar-06	37	46	15	328	317	304	305	303	293	69	49	39	48	52	55	46	51	56	50	70	62	68	77	80	50	NE
24-Mar-06	78	71	67	68	70	74	70	61	87	88	130	228	294	304	359	43	23	15	8	348	317	313	290	336	38	NE
25-Mar-06	353	183	286	310	333	251	298	198	171	183	257	288	340	315	351	316	10	23	234	97	141	307	6	5	314	NW
26-Mar-06	296	330	296	309	356	303	328	305	267	287	258	247	247	253	264	265	264	269	256	246	235	213	198	217	261	W
27-Mar-06	228	229	216	218	244	269	233	238	231	238	240	247	261	259	267	288	339	339	63	66	97	121	161	322	252	WSW
28-Mar-06	82	258	288	320	301	317	335	319	315	96	83	36	10	28	56	42	53	67	74	63	62	60	80	85	34	NE
29-Mar-06	81	84	66	18	32	32	23	46	85	108	124	134	351	357	20	34	37	44	25	62	124	204	211	20	61	ENE
30-Mar-06	10	325	301	293	312	208	230	195	281	268	245	255	251	256	261	286	312	325	289	316	185	162	178	164	263	W
31-Mar-06	164	154	152	150	128	197	339	249	265	214	272	310	330	314	333	342	344	355	28	74	29	48	52	76	350	N
Hourly Avg	350	340	312	310	309	294	294	292	287	285	271	279	299	302	320	337	350	1	1	15	21	26	26	16		

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

Station: Henry Pirker
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 744 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	55.8	39.8	19.5	11.0	6.7	4.3	3.5

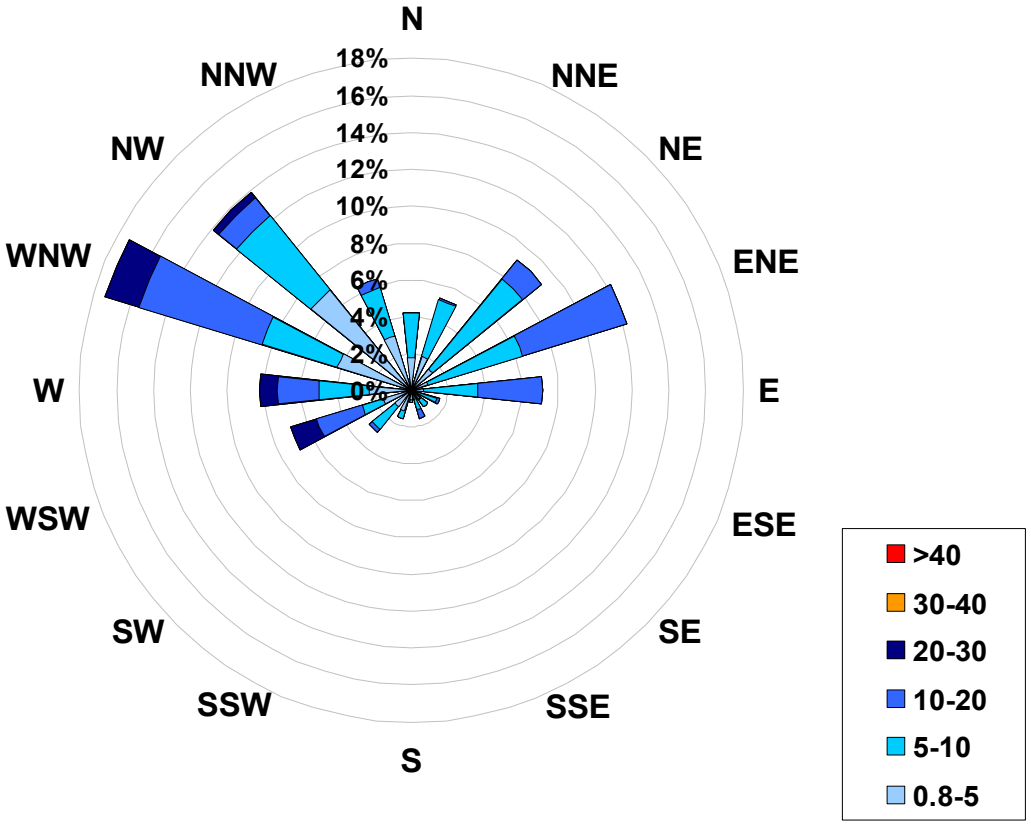
Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Mar-06	9	8	7	6	11	22	11	17	8	13	12	28	18	20	18	23	15	11	11	11	7	7	7	7	27.5
2-Mar-06	8	7	7	5	5	4	5	5	5	6	6	8	9	9	8	7	11	9	7	7	6	5	6	6	11.3
3-Mar-06	6	8	11	7	7	8	7	9	7	9	9	12	13	12	13	17	15	11	10	14	11	10	37	31	37.3
4-Mar-06	8	16	13	18	20	21	18	7	9	22	10	20	41	30	11	11	23	33	16	21	10	8	12	7	41.0
5-Mar-06	10	11	7	11	20	27	11	10	9	12	10	16	8	6	15	12	13	29	17	22	13	24	33	22	32.8
6-Mar-06	13	38	35	55	44	51	72	26	42	25	26	14	8	10	22	29	15	16	9	9	9	30	53	20	72.5
7-Mar-06	27	30	18	11	28	27	42	51	54	17	62	28	24	17	39	20	5	4	4	4	5	5	18	36	62.4
8-Mar-06	32	8	14	5	6	10	11	7	6	8	7	9	8	10	21	20	7	6	5	6	4	4	5	28	32.1
9-Mar-06	59	45	16	6	5	4	5	6	5	5	6	5	6	5	5	4	5	5	4	5	6	4	6	23	59.0
10-Mar-06	24	3	4	4	4	4	4	3	4	5	6	6	7	5	5	5	5	5	5	4	4	4	4	3	24.3
11-Mar-06	3	4	3	3	4	4	4	4	6	5	5	5	6	13	15	15	13	19	11	19	16	10	6	10	18.8
12-Mar-06	10	12	12	15	11	9	14	14	9	61	19	27	16	22	21	15	10	8	16	19	8	8	29	22	61.0
13-Mar-06	14	17	18	24	24	11	48	12	8	15	12	8	9	10	19	36	45	21	12	10	11	15	7	9	47.8
14-Mar-06	5	5	5	6	9	5	6	5	7	6	8	9	8	26	54	24	17	18	14	12	22	15	21	7	54.0
15-Mar-06	5	5	6	5	5	5	5	6	5	7	9	13	15	17	41	20	19	22	16	17	19	16	35	8	41.2
16-Mar-06	5	8	8	8	8	7	7	9	8	10	12	11	29	22	34	24	20	22	13	9	5	7	7	10	33.6
17-Mar-06	10	17	23	22	29	13	10	9	10	12	14	17	17	20	14	21	25	23	16	5	5	5	8	15	28.5
18-Mar-06	8	7	6	5	5	6	6	6	5	5	4	4	4	6	6	7	5	8	4	5	7	5	6	10	9.7
19-Mar-06	11	9	9	9	13	15	8	12	4	9	13	57	25	25	9	7	12	11	10	39	23	23	37	17	56.9
20-Mar-06	11	20	16	9	6	9	10	14	9	33	14	38	43	15	11	8	7	6	6	5	4	5	5	4	43.2
21-Mar-06	4	5	4	5	5	4	5	5	5	6	9	11	10	10	10	9	9	7	7	7	7	4	4	5	11.1
22-Mar-06	6	7	8	12	11	12	42	12	16	13	12	29	15	14	10	12	23	11	9	13	13	10	6	8	41.7
23-Mar-06	14	42	28	15	17	14	20	11	13	33	34	25	23	16	12	12	10	9	9	8	6	6	5	6	41.8
24-Mar-06	8	7	7	7	6	6	8	35	37	17	30	18	22	23	38	20	18	11	11	10	9	10	7	13	37.9
25-Mar-06	18	47	10	11	25	28	46	64	35	31	41	14	11	20	14	13	31	25	25	26	20	37	24	33	64.0
26-Mar-06	24	23	12	45	40	16	9	18	18	11	21	11	8	6	5	5	5	4	5	5	8	8	6	6	44.6
27-Mar-06	5	6	6	11	17	43	14	18	6	8	7	6	8	8	8	13	16	15	20	28	18	10	16	31	43.1
28-Mar-06	45	23	19	8	8	13	7	13	24	34	23	28	38	38	34	26	19	14	10	12	10	9	6	11	44.6
29-Mar-06	9	9	17	23	37	12	22	22	9	15	53	66	57	33	23	23	18	17	19	52	13	22	28	38	65.5
30-Mar-06	34	16	22	22	19	50	7	16	19	12	8	10	8	9	11	8	11	12	5	5	21	11	14	5	49.8
31-Mar-06	7	8	11	53	48	47	27	33	25	22	21	19	12	27	23	15	17	15	22	19	13	15	11	10	52.5
Hourly Max	59	47	35	55	48	51	72	64	54	61	62	66	57	38	54	36	45	33	25	52	23	37	53	38	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	217
5	to	10	303
10	to	20	189
20	to	30	35
30	to	40	0
	>	40	0
Total Non-Zero Values			744

PASZA - Evergreen Park Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary

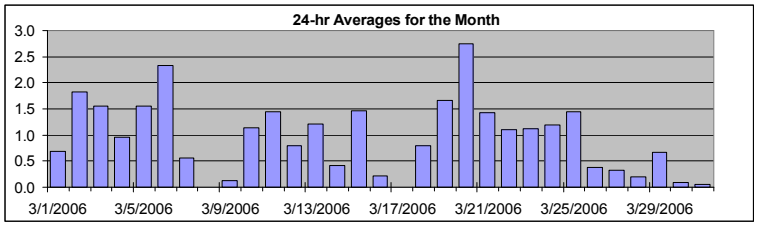
Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: March 1, 2006 to April 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	6-Mar	12:00 13:00
Maximum 24-hr Average:	2.7	ppb	20-Mar	

AIC Time:	36 hrs	Operational Time:	690 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	98.5%

Percentile	99	95	75	50	25	5	1	Average	Median
	4.9	3.0	1.6	0.7	0.0	0.0	0.0	1.0 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-Mar-06	1	1	1	0	1	1	0	0	1	1	A	1	1	1	0	0	0	0	0	0	1	1	1	2	0.7	1.7
2-Mar-06	2	1	1	1	1	1	1	1	1	A	2	3	4	5	5	2	2	2	1	0	0	2	3	2	1.8	4.9
3-Mar-06	2	2	2	2	3	3	3	2	A	2	3	3	3	2	1	1	1	1	0	0	0	0	0	0	1.6	3.4
4-Mar-06	0	0	0	0	0	0	0	A	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1.0	2.4
5-Mar-06	1	1	1	0	0	0	A	0	1	1	2	1	2	3	4	3	2	1	1	2	2	2	2	2	1.6	3.8
6-Mar-06	2	2	1	2	1	A	1	2	2	4	5	4	6	5	4	3	2	2	2	D	1	1	1	1	2.3	5.8
7-Mar-06	0	1	1	1	A	1	2	2	2	2	1	0	0	0	0	0	D	0	0	0	0	0	0	0	0.6	2.4
8-Mar-06	0	D	D	A	D	D	D	D	D	D	D	0	0	0	0	0	0	0	0	0	0	0	0	0	N	0.0
9-Mar-06	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7
10-Mar-06	0	A	0	0	0	0	1	1	1	1	1	1	2	2	5	1	1	2	2	2	2	1	1	1	1.1	4.6
11-Mar-06	A	2	0	2	3	3	2	3	1	2	2	1	1	2	1	1	1	1	0	1	0	0	0	A	1.5	2.6
12-Mar-06	0	0	1	0	0	1	1	1	1	0	1	2	1	1	0	1	1	1	0	0	1	1	A	1	0.8	2.0
13-Mar-06	1	1	1	1	1	2	2	2	2	3	2	2	2	2	0	1	1	0	0	0	0	A	1	2	1.2	2.6
14-Mar-06	1	0	0	0	0	0	0	0	0	0	1	C	C	C	A	A	0	0	0	0	1	1	1	2	0.4	2.2
15-Mar-06	4	4	3	0	0	A	1	2	2	2	1	0	0	0	4	3	2	2	0	1	1	1	1	0	1.5	3.9
16-Mar-06	0	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.2	1.5
17-Mar-06	2	0	0	A	0	0	0	0	0	0	0	0	C	C	C	C	A	A	2	2	2	1	1	0	N	2.2
18-Mar-06	0	1	1	0	0	A	1	1	1	0	1	0	0	1	1	1	2	2	1	1	1	1	1	2	0.8	2.1
19-Mar-06	1	1	0	0	A	1	0	1	1	1	0	2	2	2	3	3	3	3	3	3	3	2	1	0	1.7	3.5
20-Mar-06	1	0	0	A	0	0	1	1	2	3	4	5	5	5	5	5	5	4	4	3	3	3	3	2	2.7	5.3
21-Mar-06	2	1	A	0	0	0	0	0	0	0	1	3	3	3	2	2	3	3	2	2	2	2	2	1	1.4	2.8
22-Mar-06	1	A	0	0	0	0	0	0	0	0	0	2	3	3	3	3	2	2	2	1	1	1	1	1	1.1	3.2
23-Mar-06	A	0	0	1	0	0	0	0	0	0	1	2	2	3	3	3	3	2	1	1	1	1	1	A	1.1	2.8
24-Mar-06	2	1	1	0	0	0	0	0	0	0	1	1	2	3	3	3	1	2	2	1	1	1	A	1	1.2	3.0
25-Mar-06	1	1	1	1	1	1	0	1	0	1	3	3	4	4	3	2	2	1	1	1	1	A	0	0	1.4	3.6
26-Mar-06	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	A	0	0	1	0.4	1.1
27-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	A	0	0	0	0	0.3	1.2
28-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	A	0	0	0	0	0	0.2	0.8
29-Mar-06	0	0	0	0	0	0	0	0	0	0	3	3	2	1	1	2	2	A	1	1	0	0	0	0	0.7	2.9
30-Mar-06	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	A	0	0	0	0	0	0	0	0.1	0.5
31-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.0	0.3
Hourly Avg	0.9	0.8	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.9	1.3	1.5	1.7	1.7	1.9	1.6	1.5	1.2	1.0	0.8	0.8	0.8	0.7	0.7		
Hourly Max	3.8	3.8	3.1	2.3	2.9	3.4	2.9	2.5	2.5	4.1	4.6	4.8	5.8	5.2	5.0	5.3	5.2	4.4	3.7	2.8	3.0	3.0	2.8	2.2		

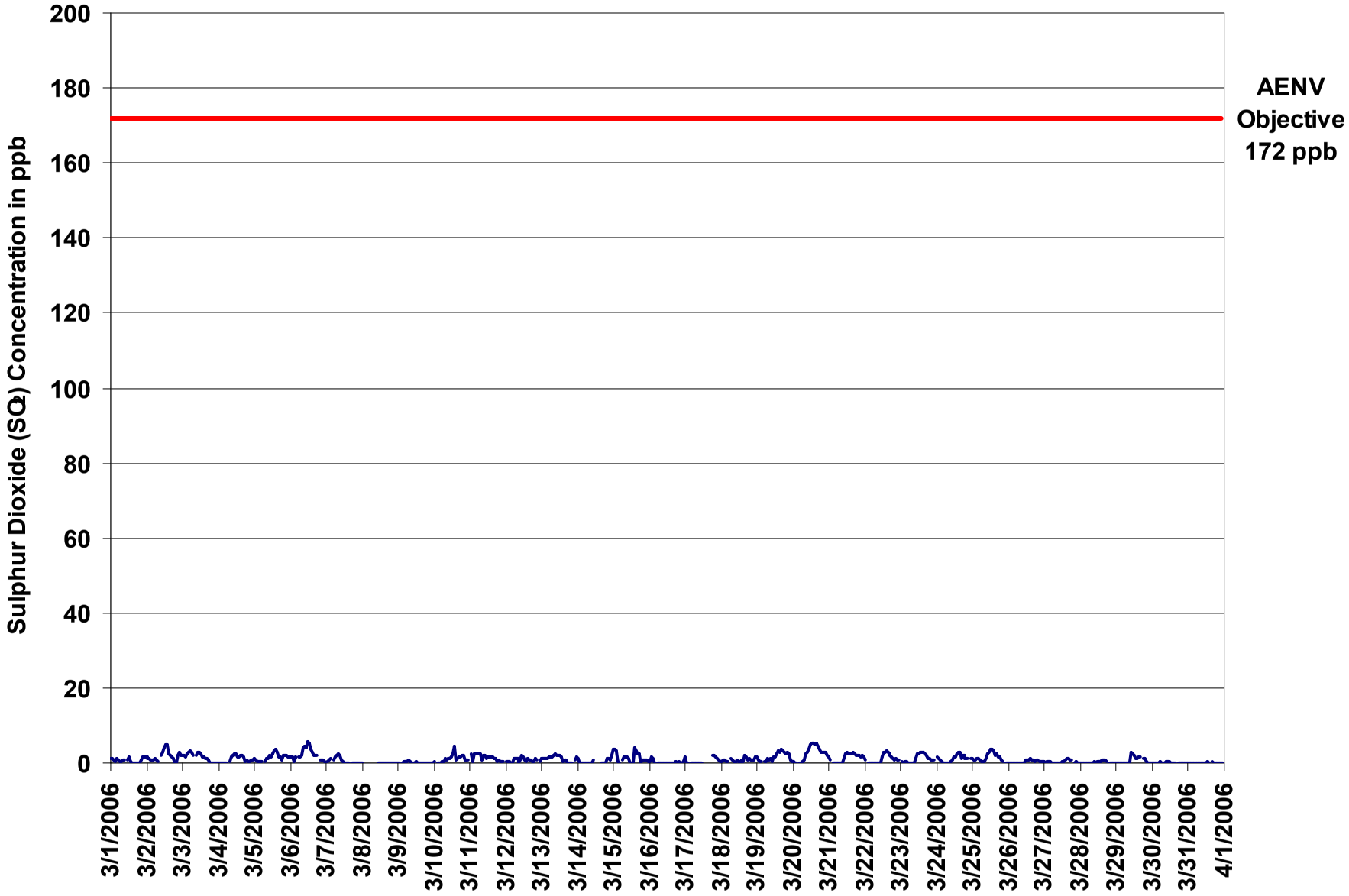


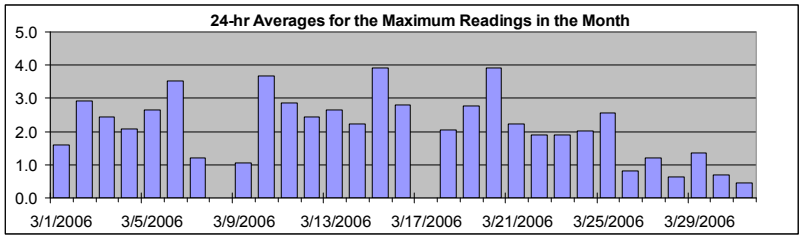
Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

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



Summary

Maximum 1-hr Value:	17.2	ppb	10-Mar	14:00 15:00
Maximum 24-hr Value:	3.9	ppb	20-Mar	

AIC Time:	36 hrs	Operational Time:	690 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	98.5%

Percentile	99	95	75	50	25	5	1	Average	Median
	6.7	5.1	3.0	1.9	1.1	0.0	0.0	2.2 ppb	1.9 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	2	2	2	2	2	2	1	1	2	2	A	2	2	2	1	1	0	1	1	1	2	2	2	3	1.6	2.6
2-Mar-06	3	2	2	2	2	2	2	2	2	A	3	4	5	8	7	3	3	3	2	1	0	4	4	3	2.9	7.7
3-Mar-06	3	3	2	3	4	4	4	4	A	3	4	4	4	3	2	2	2	2	1	0	0	0	0	1	2.4	4.1
4-Mar-06	1	1	1	1	2	1	1	A	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2.1	3.4
5-Mar-06	2	2	2	2	1	1	A	2	2	2	3	2	5	5	5	4	3	2	2	3	3	3	3	3	2.7	5.1
6-Mar-06	2	2	2	3	2	A	3	2	4	5	6	6	8	8	5	4	3	3	3	D	2	2	2	1	3.5	8.2
7-Mar-06	1	1	2	2	A	2	4	4	3	3	1	1	0	0	0	0	D	0	1	0	0	0	0	0	1.2	3.8
8-Mar-06	0	D	D	A	D	D	D	D	D	D	D	0	0	0	0	0	0	0	0	0	0	0	0	0	N	0.4
9-Mar-06	1	1	A	1	1	2	1	2	1	2	1	1	1	1	1	0	0	0	4	0	1	0	0	1	1.1	3.8
10-Mar-06	1	A	1	1	1	2	2	2	2	2	2	2	2	16	17	2	3	3	3	3	5	3	3	4	3.7	17.2
11-Mar-06	A	4	4	4	3	3	3	4	3	4	3	3	4	3	3	3	2	2	2	2	1	2	1	A	2.9	3.8
12-Mar-06	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	4	1	1	2	3	2	A	2	2.4	3.9
13-Mar-06	3	2	2	2	2	3	3	3	3	4	4	3	4	4	3	3	2	2	1	2	3	A	2	3	2.7	4.1
14-Mar-06	2	2	2	1	1	2	1	1	1	2	2	C	C	C	A	A	2	2	2	3	3	4	4	5	2.2	4.9
15-Mar-06	6	6	6	6	2	A	3	4	4	4	4	3	2	2	6	6	4	4	3	2	4	3	3	2	3.9	6.5
16-Mar-06	3	3	5	2	A	4	7	0	2	2	1	2	0	1	2	1	1	5	4	4	4	3	4	5	2.8	6.5
17-Mar-06	6	7	6	A	7	5	6	6	7	6	1	0	C	C	C	C	A	A	3	3	2	3	2	1	N	6.8
18-Mar-06	2	2	2	2	2	A	3	2	2	1	2	2	1	2	2	2	3	3	2	3	2	2	2	3	2.1	2.6
19-Mar-06	3	2	2	2	A	2	2	3	2	2	2	3	3	3	4	4	4	4	4	3	4	4	2	2	2.8	4.4
20-Mar-06	2	1	1	A	1	1	2	2	5	5	5	6	6	6	6	6	6	5	5	4	4	4	4	3	3.9	6.4
21-Mar-06	2	2	A	1	1	0	1	1	0	1	3	3	4	4	3	3	3	3	3	3	3	2	3	2	2.2	3.6
22-Mar-06	2	A	1	0	0	0	2	2	0	0	1	3	4	4	4	4	4	3	3	2	2	2	2	2	1.9	4.2
23-Mar-06	A	1	1	1	1	1	0	0	0	1	2	3	3	4	4	4	4	3	2	2	2	1	2	A	1.9	3.7
24-Mar-06	2	2	1	1	1	1	0	0	0	2	2	2	3	3	4	4	3	3	3	2	2	2	A	2	2.0	4.2
25-Mar-06	4	2	2	2	2	2	1	1	1	2	4	5	5	5	4	4	4	2	3	2	1	A	1	1	2.6	4.8
26-Mar-06	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	1	1	2	2	A	1	1	1	0.8	1.9
27-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	A	1	2	1	1	1.2	2.5
28-Mar-06	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	A	1	1	0	0	0	0.6	1.8
29-Mar-06	0	0	0	0	0	0	0	0	0	1	4	5	4	2	2	3	3	A	2	2	2	2	0	0	1.3	4.5
30-Mar-06	0	0	0	1	1	1	1	1	1	2	1	2	1	1	1	1	A	1	1	0	0	0	0	0	0.7	2.0
31-Mar-06	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	A	1	1	1	0	0	0	0	0	0.5	1.5
Hourly Avg	2.0	2.0	1.9	1.6	1.6	1.6	1.9	1.8	1.9	2.3	2.4	2.6	2.8	3.3	3.3	2.6	2.5	2.2	2.2	1.9	1.9	1.9	1.7	1.8		
Hourly Max	5.7	6.6	6.4	6.3	6.8	4.9	6.5	6.0	6.7	6.4	6.3	5.7	8.1	15.6	17.2	6.4	6.4	5.4	5.2	4.4	5.0	3.7	3.8	4.9		

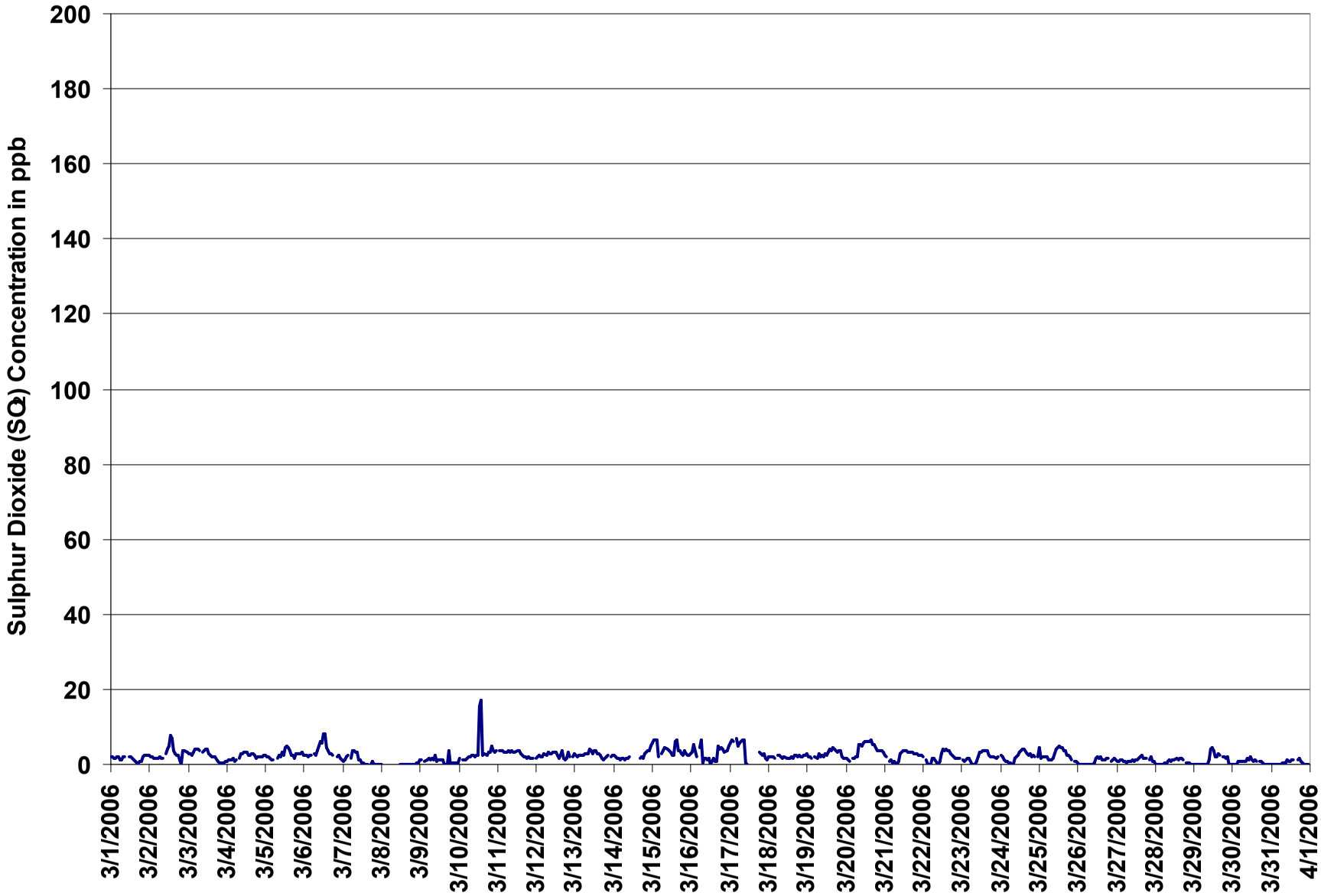
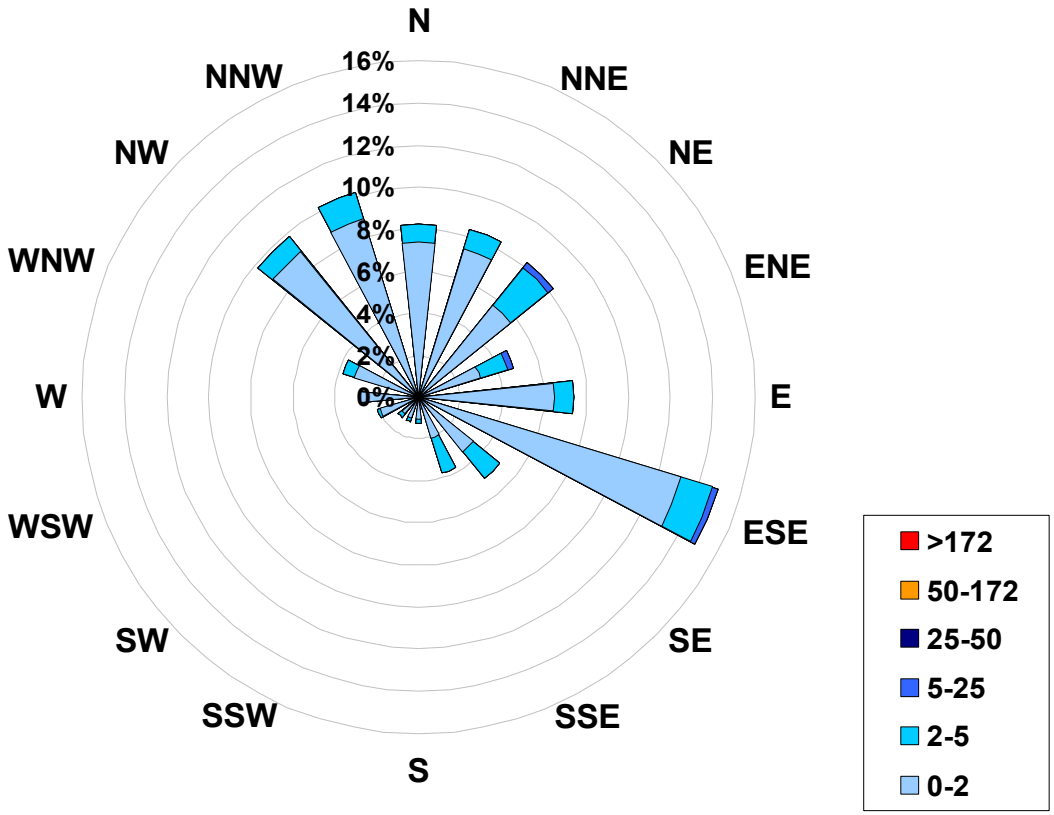


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	575
2	to	5	109
5	to	25	6
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			690

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

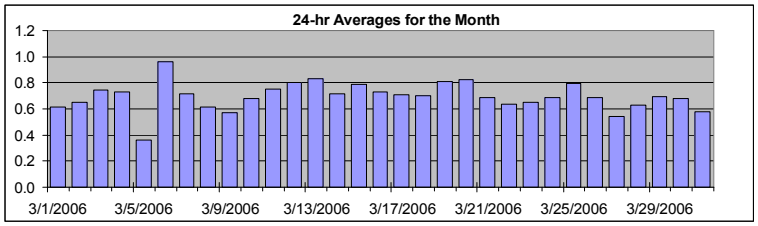
Total Reduced Sulphur (TRS)

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

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

Summary

Maximum 1-hr Average:	1.6	ppb	6-Mar	9:00 10:00
Maximum 24-hr Value:	1.0	ppb	6-Mar	



AIC Time:	34 hrs	Operational Time:	707 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	1.0	0.8	0.7	0.6	0.5	0.3	0.7 ppb	0.7 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7
2-Mar-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	0.6	0.8
3-Mar-06	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
4-Mar-06	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.7	1.4
5-Mar-06	0	0	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.4	0.8
6-Mar-06	1	1	1	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6
7-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.7	1.2
8-Mar-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	0.8
9-Mar-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0.6	0.7
10-Mar-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	0.7
11-Mar-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	0.9
12-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	A	1	0.8	1.1
13-Mar-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	0.8	1.0
14-Mar-06	1	1	1	1	1	1	1	1	1	1	1	C	C	C	A	A	1	1	1	1	1	1	1	1	0.7	0.9
15-Mar-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
16-Mar-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	0.9
17-Mar-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	0.8
18-Mar-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
19-Mar-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	1.2
20-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.3
21-Mar-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
22-Mar-06	1	A	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9
23-Mar-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
24-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.7	0.9
25-Mar-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	0.8	1.0
26-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.7	1.1
27-Mar-06	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	0	1	1	A	1	1	1	1	0.5	0.7
28-Mar-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	0.8
29-Mar-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
30-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.7	0.8
31-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0	1	1	0	0.6	0.7
Hourly Avg	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7		
Hourly Max	0.9	1.0	1.0	1.1	1.1	1.1	1.3	1.2	1.4	1.6	1.4	1.2	1.3	1.1	1.0	1.2	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.9		

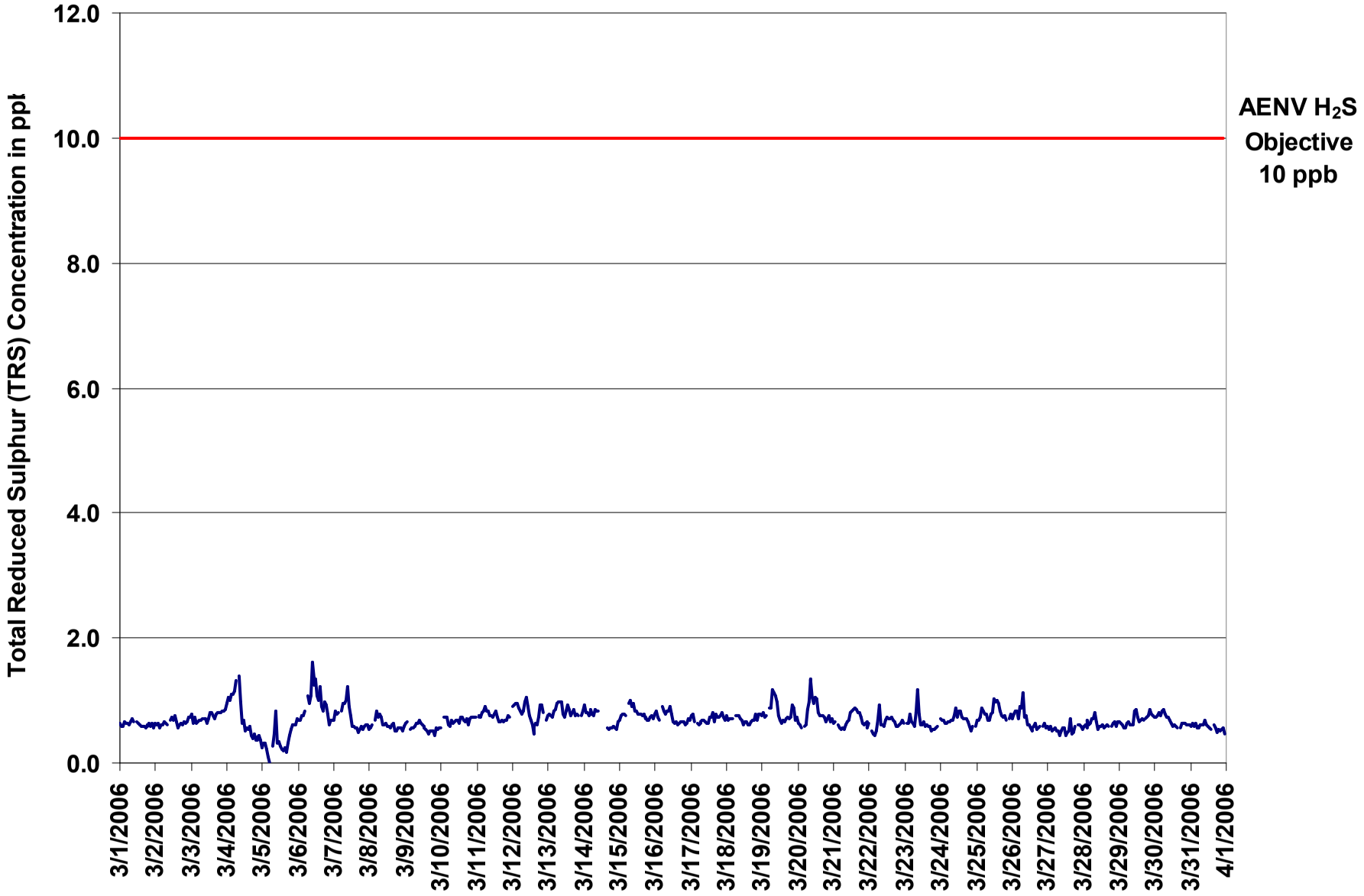


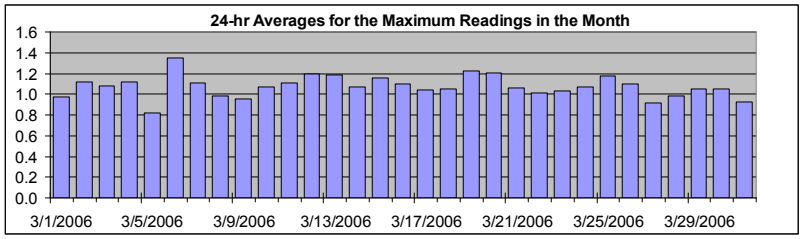
Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

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



Summary

Maximum 1-hr Value:	3.9	ppb	2-Mar	13:00 14:00
Maximum 24-hr Value:	1.3	ppb	6-Mar	

AIC Time:	34 hrs	Operational Time:	707 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.4	1.2	1.0	1.0	0.8	0.6	1.1 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-Mar-06	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.2
2-Mar-06	1	1	1	1	1	1	1	1	1	A	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1.1	3.9
3-Mar-06	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	1.3
4-Mar-06	1	2	1	1	1	2	2	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.8
5-Mar-06	1	1	1	1	0	0	A	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.6
6-Mar-06	1	1	1	1	1	A	2	2	1	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1.3	2.0
7-Mar-06	1	1	1	1	A	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.7
8-Mar-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
9-Mar-06	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
10-Mar-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1.1	1.6
11-Mar-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
12-Mar-06	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	A	1	1.2	1.6
13-Mar-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	1.2	1.4
14-Mar-06	1	1	1	1	1	1	1	1	1	1	1	C	C	C	A	A	1	1	1	1	1	1	1	1	1.1	1.4
15-Mar-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	1.4
16-Mar-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	1.5
17-Mar-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	1.2
18-Mar-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
19-Mar-06	1	1	1	1	A	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.7
20-Mar-06	1	1	1	A	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.8
21-Mar-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
22-Mar-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
23-Mar-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	1.5
24-Mar-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	1.3
25-Mar-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	1.2	1.4
26-Mar-06	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1.1	1.8
27-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.9	1.2
28-Mar-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
29-Mar-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	1.5
30-Mar-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	1.1	1.4
31-Mar-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	1.1
Hourly Avg	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0		
Hourly Max	1.4	1.5	1.5	1.4	1.4	1.7	1.7	1.8	1.8	2.0	1.8	1.6	1.6	3.9	1.3	1.6	1.3	1.3	1.4	1.3	1.6	1.5	1.2	1.2		

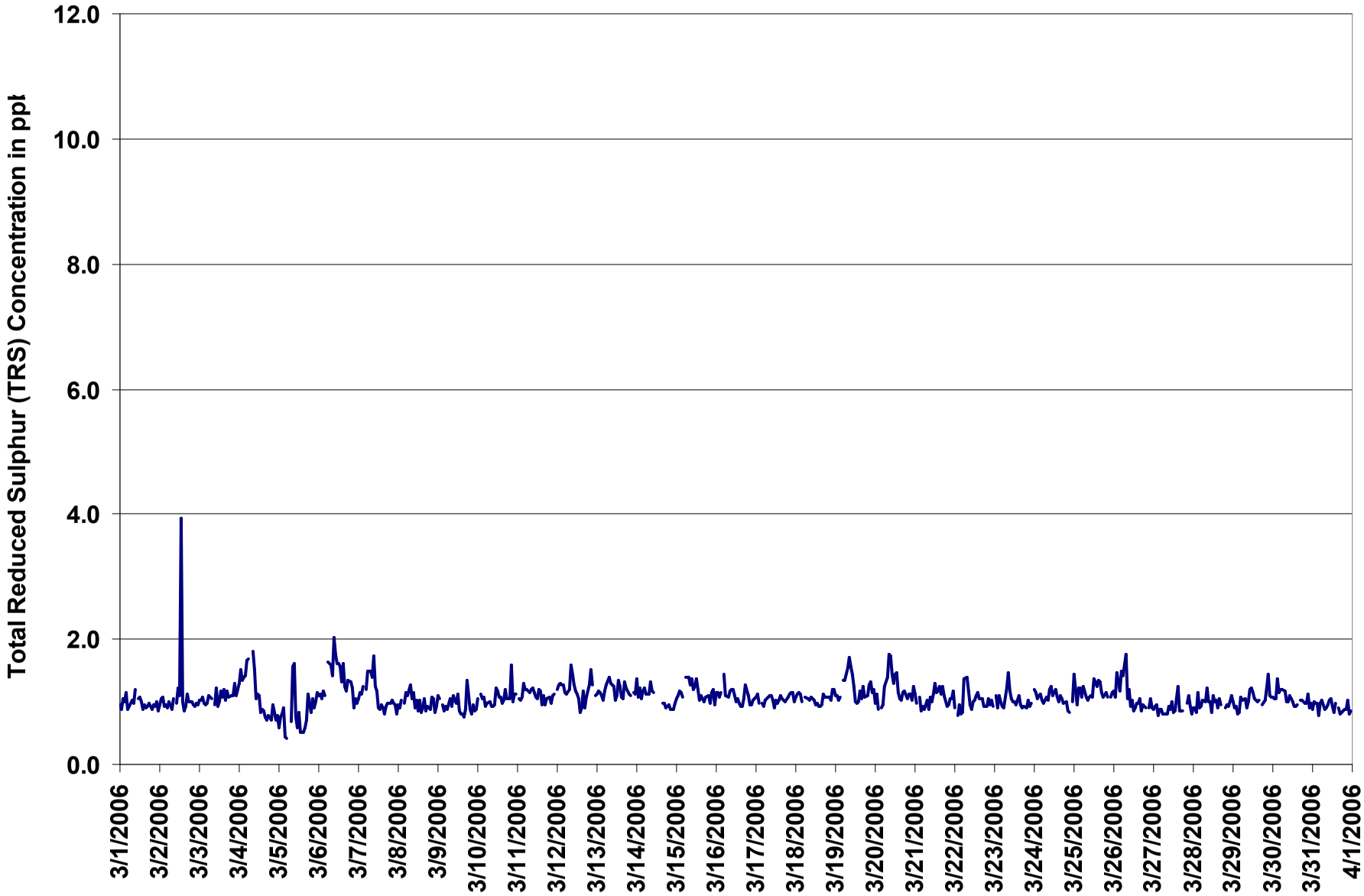
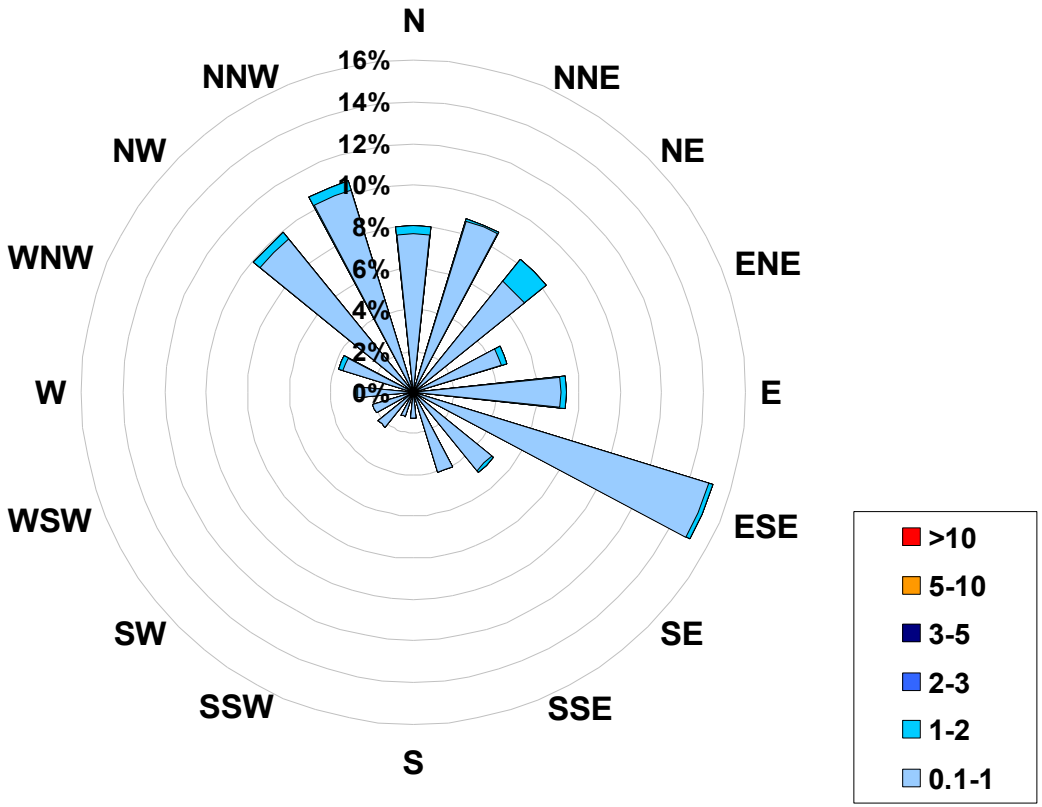


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	678
1	to	2	29
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			707

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

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

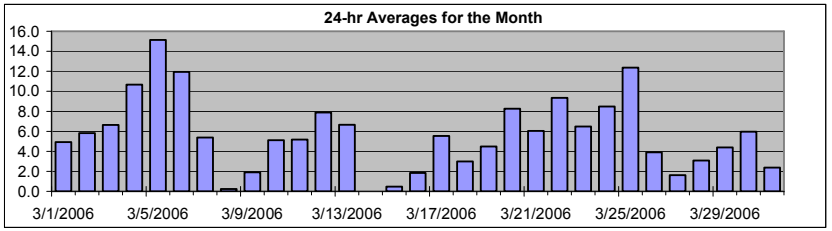
Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: March 1, 2006 to April 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:	32.5	µg/m³	20-Mar	8:00 9:00
Maximum 24-hr Value:	15.1	µg/m³	5-Mar	



AIC Time:	0 hrs	Operational Time:	731 hrs
Calibration Time:	11 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	21.7	14.6	7.8	5.0	2.4	0.0	0.0	5.8 / 5 µg/m³	4.5 µg/m³

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	5	5	4	3	4	4	3	6	8	6	4	5	5	5	6	6	5	5	4	6	5	5	5	5	4.9	7.8
2-Mar-06	5	6	5	5	5	5	6	6	8	7	5	4	6	4	3	5	6	6	6	7	6	8	8	8	5.8	8.4
3-Mar-06	9	8	6	4	5	6	6	5	6	6	6	6	6	6	6	7	8	8	7	7	7	7	9	11	6.6	11.0
4-Mar-06	8	9	8	8	8	11	11	9	11	14	7	6	6	11	10	11	11	11	12	14	14	13	16	17	10.7	16.6
5-Mar-06	14	15	14	16	16	15	22	21	22	27	18	9	16	19	14	12	9	11	11	15	14	11	10	11	15.1	26.7
6-Mar-06	10	10	12	11	11	9	11	10	18	30	22	22	31	20	17	11	5	4	6	6	4	2	1	2	11.9	30.5
7-Mar-06	3	7	9	10	10	9	11	14	14	5	8	6	6	5	2	0	3	2	4	1	1	0	0	0	5.4	13.9
8-Mar-06	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0.2	4.2
9-Mar-06	0	1	3	D	0	0	0	1	4	3	1	1	1	2	3	2	1	4	3	3	3	3	3	4	1.9	3.8
10-Mar-06	3	11	4	7	5	4	5	5	4	4	4	2	5	4	4	5	6	6	6	5	6	5	6	5	5.1	10.9
11-Mar-06	5	6	4	4	5	7	8	5	7	7	5	3	8	6	4	3	4	4	4	4	3	5	6	7	5.2	7.7
12-Mar-06	9	11	9	8	7	6	7	11	15	20	10	7	5	4	3	4	4	5	7	11	9	6	6	4	7.9	20.1
13-Mar-06	8	6	7	6	11	10	8	11	14	17	9	7	7	4	6	6	5	3	2	3	1	3	3	3	6.7	17.1
14-Mar-06	3	1	1	0	1	1	0	0	1	1	1	1	C	C	C	C	C	C	C	C	C	C	C	0	N	2.6
15-Mar-06	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	0	0	0	0	0	2	3	0.5	2.9
16-Mar-06	4	3	2	1	1	2	2	2	1	1	1	0	1	3	1	2	1	0	1	1	3	4	3	2	1.8	3.9
17-Mar-06	2	3	2	1	3	4	4	7	4	5	5	6	7	7	7	7	8	9	12	11	8	3	4	5	5.5	12.2
18-Mar-06	4	3	3	3	3	2	3	4	4	3	3	3	3	3	3	1	3	3	3	3	5	4	2	2	3.0	5.3
19-Mar-06	2	0	1	2	4	4	5	10	10	4	8	4	3	2	3	3	1	1	3	4	10	11	6	6	4.5	11.3
20-Mar-06	6	4	4	4	8	6	12	14	32	19	15	6	7	6	5	7	7	7	6	5	5	4	4	4	8.3	32.5
21-Mar-06	3	5	5	5	3	4	4	6	9	6	4	8	9	9	8	7	7	7	7	6	6	6	6	6	6.0	9.2
22-Mar-06	7	7	7	6	7	6	10	18	14	13	17	9	13	13	11	12	9	6	6	7	6	5	7	7	9.3	18.0
23-Mar-06	6	9	7	10	10	8	7	11	13	6	5	6	7	6	5	6	5	4	4	4	4	5	5	3	6.5	13.1
24-Mar-06	4	5	7	6	7	10	9	9	9	12	12	11	13	11	6	6	6	7	7	7	9	12	13	8	8.5	12.7
25-Mar-06	12	10	11	10	10	11	11	12	12	12	12	14	15	17	18	19	16	11	17	10	8	9	9	11	12.4	18.8
26-Mar-06	8	10	11	15	9	9	6	8	8	3	0	0	0	0	0	0	0	0	0	1	2	1	0	0	3.9	15.3
27-Mar-06	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	2	2	4	3	3	6	2	6	1.6	5.7
28-Mar-06	5	5	4	3	5	4	6	9	10	5	0	0	1	1	1	1	1	1	2	2	2	2	2	1	3.1	10.4
29-Mar-06	2	1	1	0	1	1	4	7	3	1	3	4	5	4	3	3	6	5	8	5	6	15	13	8	4.4	14.7
30-Mar-06	7	7	10	11	11	11	13	15	8	6	0	D	1	0	2	2	1	5	5	4	8	3	4	3	6.0	14.6
31-Mar-06	3	1	0	0	0	1	1	6	5	3	5	2	2	2	2	2	2	2	2	3	2	5	5	3	2.4	6.3
Hourly Avg	5.1	5.4	5.1	5.3	5.5	5.5	6.3	7.8	8.9	8.0	6.3	5.0	6.3	5.9	5.3	5.0	4.8	4.5	5.3	5.3	5.4	5.5	5.3	5.0		
Hourly Max	14.0	15.5	13.9	15.9	16.0	15.4	21.9	21.4	32.5	29.7	22.5	21.9	30.5	20.1	17.6	18.8	16.0	11.2	16.6	15.3	14.1	14.7	15.7	16.6		

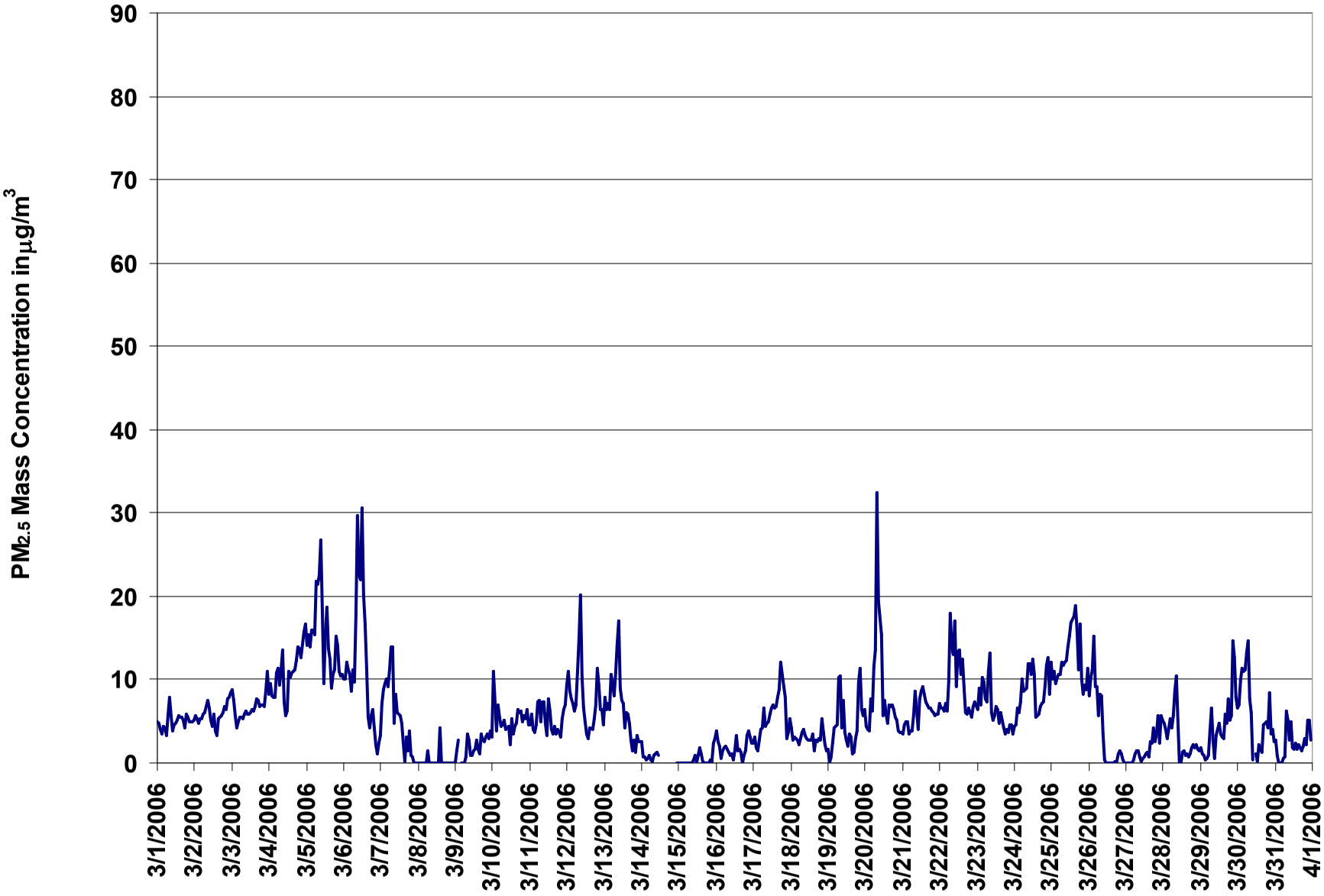


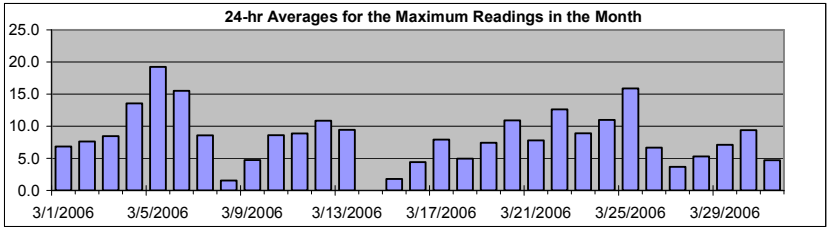
Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	37.9	µg/m³	20-Mar	8:00 9:00
Maximum 24-hr Value:	19.2	µg/m³	5-Mar	

AIC Time:	0 hrs	Operational Time:	731 hrs
Calibration Time:	11 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average / Median		Geomean
	28.4	19.0	11.1	7.3	4.4	1.0	0.0	8.4	7 µg/m³	7.4 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-Mar-06	6	6	5	5	6	6	4	8	10	10	6	7	7	7	7	7	7	8	8	7	7	6	7	6	6.8	10.2
2-Mar-06	7	7	7	6	7	7	7	8	10	11	7	7	7	7	8	6	7	7	7	8	7	9	9	9	7.6	11.3
3-Mar-06	10	9	8	5	6	7	7	6	7	8	7	8	7	8	8	8	10	9	9	9	9	9	11	17	8.5	16.9
4-Mar-06	11	12	11	11	11	16	14	11	16	19	9	9	9	13	13	12	13	12	16	19	17	14	19	19	13.6	19.2
5-Mar-06	17	19	18	18	21	19	27	26	33	33	23	18	19	20	17	15	11	13	18	19	17	15	12	13	19.2	32.9
6-Mar-06	15	14	15	13	12	10	15	12	28	38	26	25	33	31	19	17	8	5	8	8	6	4	5	5	15.5	37.6
7-Mar-06	6	9	12	12	16	12	14	19	19	19	11	9	9	7	5	3	7	5	5	4	3	0	0	0	8.6	19.3
8-Mar-06	0	0	0	0	0	2	8	2	0	0	1	2	2	1	16	1	0	0	0	0	0	0	2	1	1.5	15.8
9-Mar-06	3	3	7	D	0	2	0	2	6	6	4	3	3	6	7	5	3	5	8	4	7	8	6	9	4.7	8.7
10-Mar-06	8	23	10	11	9	6	10	9	7	6	8	4	7	5	6	6	8	9	10	7	12	11	9	7	8.6	22.8
11-Mar-06	7	8	7	6	7	10	14	12	12	15	9	6	15	9	11	7	6	6	6	7	5	10	10	10	8.9	14.7
12-Mar-06	11	13	12	10	10	9	9	14	17	25	17	11	6	5	5	6	6	6	10	14	13	12	11	8	10.9	25.1
13-Mar-06	10	9	9	11	13	13	12	14	19	20	15	10	9	6	8	8	8	5	3	4	3	6	7	5	9.4	20.5
14-Mar-06	6	3	3	2	4	4	2	2	4	5	4	3	C	C	C	C	C	C	C	C	C	C	C	0	N	5.7
15-Mar-06	0	1	1	1	0	1	1	3	2	2	2	2	2	3	2	1	2	1	1	1	2	2	4	6	1.8	5.7
16-Mar-06	7	4	13	3	3	4	4	4	3	2	4	1	3	13	3	3	4	2	2	3	7	5	5	4	4.4	13.4
17-Mar-06	4	5	7	3	5	6	6	15	6	6	6	8	10	8	8	8	9	11	16	15	11	4	5	7	7.9	15.6
18-Mar-06	7	4	4	4	5	4	5	6	7	5	5	5	5	5	6	3	4	4	4	5	10	6	4	3	5.0	9.6
19-Mar-06	4	2	2	5	7	7	8	18	17	8	13	10	4	4	5	4	3	3	7	5	14	13	9	8	7.4	17.9
20-Mar-06	9	7	5	5	11	8	15	20	38	32	19	8	9	8	6	10	8	9	7	7	6	5	5	5	10.9	37.9
21-Mar-06	5	7	7	7	5	6	6	9	10	11	7	9	10	11	10	8	8	7	7	8	7	8	8	7	7.8	10.8
22-Mar-06	8	8	8	9	10	8	15	26	23	18	23	15	17	16	15	15	12	8	7	9	8	7	9	9	12.6	26.3
23-Mar-06	8	11	10	12	12	10	9	15	17	16	6	7	9	9	7	8	7	6	5	6	5	6	6	6	8.9	17.4
24-Mar-06	7	6	9	8	10	14	12	13	13	16	14	13	14	13	7	8	8	8	8	9	11	14	16	12	11.0	16.0
25-Mar-06	22	12	15	13	13	13	13	14	13	15	14	16	17	18	19	28	26	16	22	14	10	13	12	13	15.9	28.3
26-Mar-06	11	13	19	21	13	11	9	12	13	8	8	1	0	4	0	1	0	2	2	2	5	3	2	1	6.7	21.3
27-Mar-06	1	0	0	0	1	1	3	2	3	2	2	2	3	5	3	3	6	4	10	4	7	12	5	8	3.7	12.1
28-Mar-06	9	9	10	5	9	5	7	10	15	11	1	2	3	3	3	3	2	2	3	3	3	3	3	3	5.3	14.9
29-Mar-06	3	2	4	1	2	2	6	10	6	3	6	7	7	6	5	5	9	6	12	10	11	19	17	13	7.1	19.5
30-Mar-06	9	9	14	15	13	13	19	18	18	11	3	D	4	3	5	4	4	7	8	6	13	9	7	4	9.4	18.7
31-Mar-06	5	3	0	0	2	2	3	11	10	6	7	7	5	4	3	4	4	3	5	5	4	7	8	4	4.7	10.5
Hourly Avg	7.5	7.6	8.1	7.4	7.8	7.6	9.1	11.3	13.0	12.5	9.3	7.8	8.5	8.6	8.0	7.3	7.0	6.3	7.9	7.3	8.0	8.0	7.7	7.1		
Hourly Max	21.6	22.8	19.1	21.3	21.0	19.1	26.6	26.3	37.9	37.6	26.1	24.6	33.0	31.1	19.1	28.3	25.7	15.8	22.1	18.9	17.5	19.5	18.5	19.1		

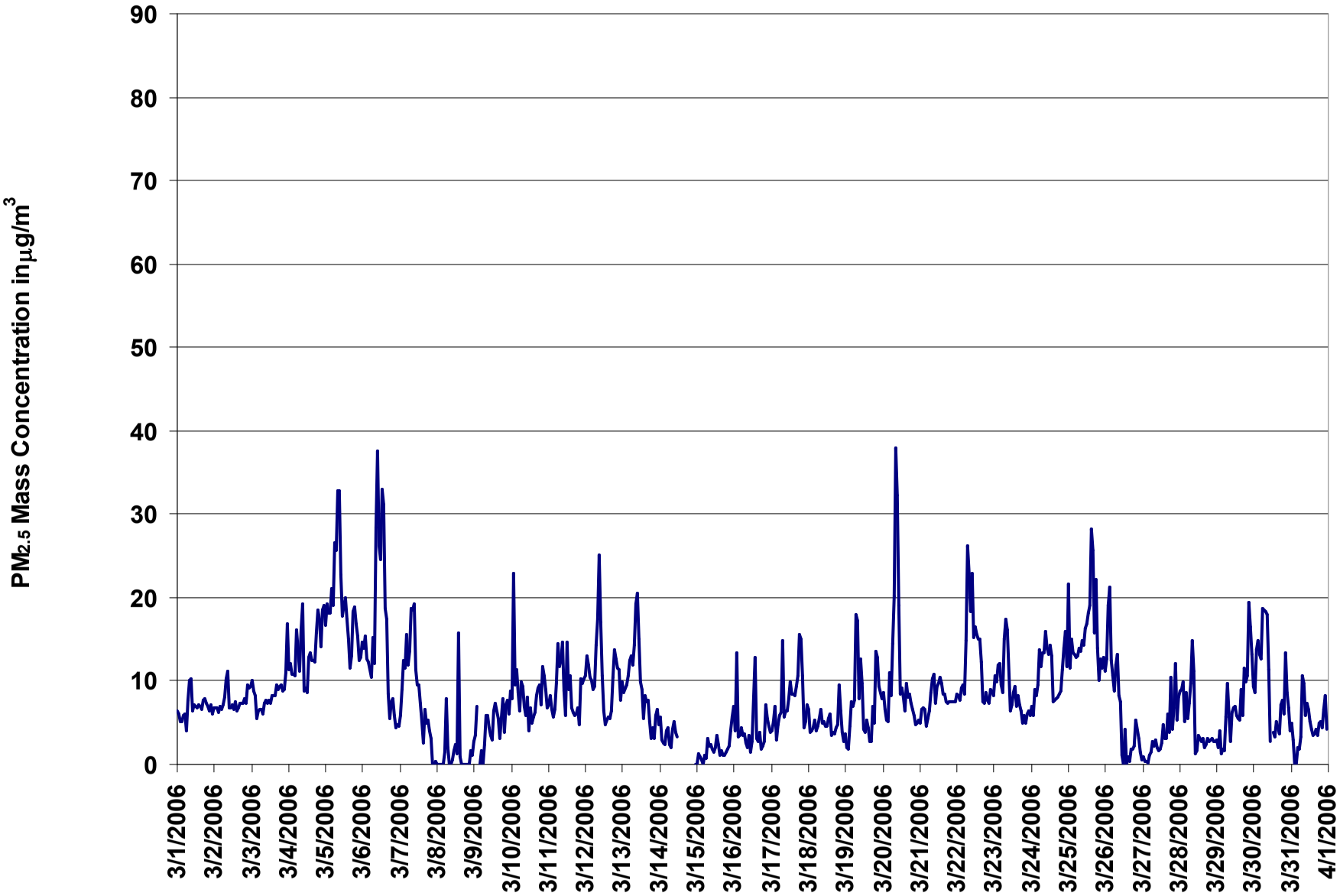
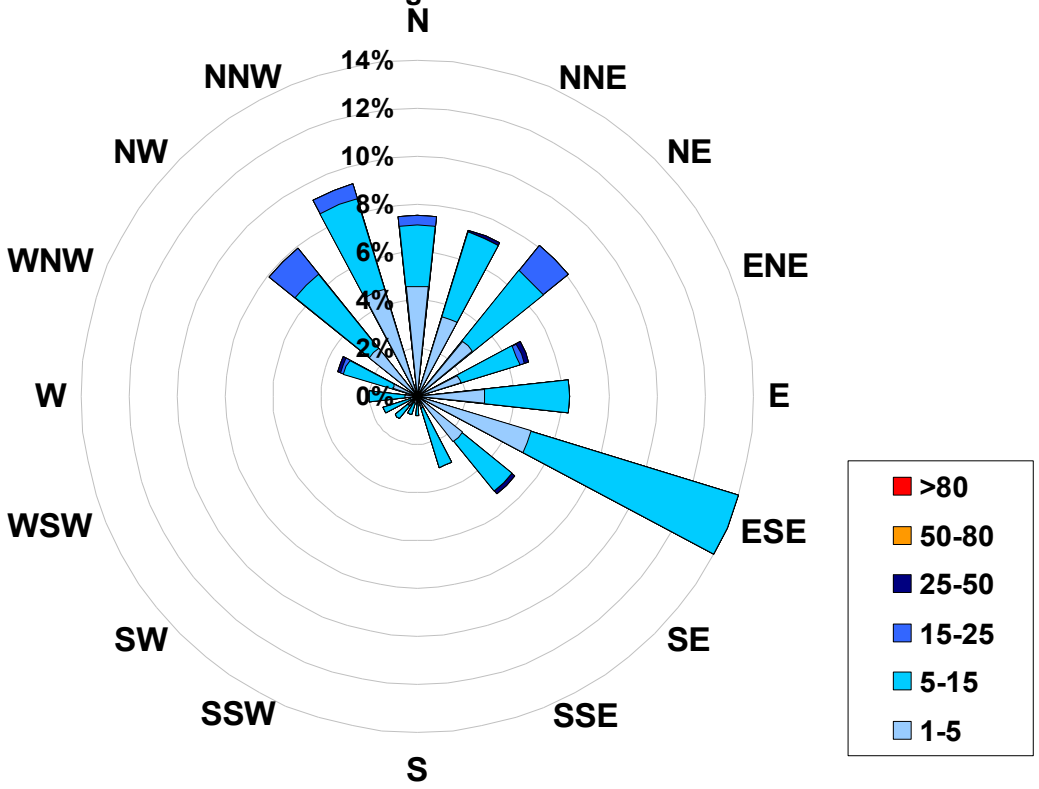


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 March 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	362
5	to	15	334
15	to	25	31
25	to	50	4
50	to	80	0
	>	80	0
Total Non-Zero Values			731

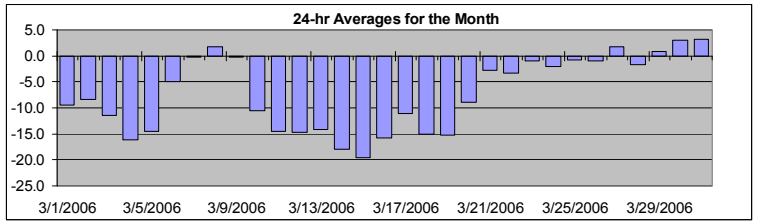
PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	9.9	°C	30-Mar	16:00 17:00
Maximum 24-hr Value:	3.1	°C	31-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	8.8	6.1	-0.2	-7.4	-14.1	-21.5	-23.4	-7.3 °C	-7.4 °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-Mar-06	-11	-11	-11	-11	-11	-12	-14	-14	-13	-11	-10	-9	-8	-6	-6	-6	-5	-7	-9	-9	-9	-9	-9	-9	-9.5	-5.3
2-Mar-06	-9	-9	-9	-10	-12	-13	-13	-15	-14	-11	-8	-7	-6	-4	-3	-3	-3	-4	-6	-8	-10	-9	-8	-9	-8.3	-2.6
3-Mar-06	-10	-11	-11	-12	-12	-12	-12	-12	-12	-11	-10	-9	-8	-8	-8	-7	-8	-9	-12	-14	-15	-16	-18	-19	-11.5	-7.4
4-Mar-06	-20	-22	-22	-23	-23	-21	-20	-20	-18	-14	-12	-11	-9	-9	-9	-8	-8	-9	-12	-15	-18	-19	-20	-21	-16.1	-8.2
5-Mar-06	-22	-22	-22	-22	-23	-24	-23	-22	-21	-19	-16	-14	-10	-9	-7	-7	-6	-7	-7	-9	-9	-9	-8	-9	-14.5	-6.2
6-Mar-06	-11	-13	-13	-12	-11	-13	-14	-15	-14	-8	-4	-2	-1	0	1	3	6	4	1	-1	-1	0	0	-1	-5.0	5.6
7-Mar-06	-2	-4	-5	-6	-7	-9	-10	-8	-6	-2	0	4	6	6	7	8	7	7	5	3	1	1	1	-2	-0.2	7.7
8-Mar-06	-4	-4	-4	-4	-4	-3	-2	-1	1	3	5	7	7	7	6	5	6	5	4	3	3	2	2	2	1.7	7.5
9-Mar-06	2	2	2	2	2	1	1	0	-1	0	0	0	1	1	1	1	1	1	0	-2	-3	-4	-5	-6	-0.2	2.4
10-Mar-06	-7	-7	-8	-9	-10	-10	-10	-11	-10	-10	-10	-9	-9	-10	-10	-11	-11	-11	-12	-13	-13	-13	-14	-14	-10.5	-6.7
11-Mar-06	-14	-15	-15	-16	-16	-16	-16	-16	-16	-15	-15	-13	-13	-11	-10	-9	-9	-9	-12	-15	-17	-19	-20	-21	-14.4	-8.9
12-Mar-06	-22	-21	-19	-20	-20	-22	-23	-23	-20	-16	-14	-10	-9	-8	-7	-6	-5	-6	-7	-11	-14	-15	-16	-18	-14.7	-5.2
13-Mar-06	-19	-20	-21	-22	-21	-21	-22	-21	-19	-16	-13	-11	-9	-8	-6	-6	-6	-8	-9	-10	-12	-13	-13	-14	-14.2	-6.3
14-Mar-06	-15	-16	-18	-19	-20	-20	-21	-21	-21	-21	-20	-19	-18	-16	-16	-15	-15	-16	-16	-17	-17	-18	-19	-19	-18.0	-14.7
15-Mar-06	-20	-21	-21	-22	-22	-22	-22	-22	-22	-22	-21	-19	-18	-17	-16	-16	-16	-16	-17	-18	-19	-20	-20	-21	-19.6	-15.8
16-Mar-06	-20	-18	-18	-18	-18	-18	-18	-18	-17	-17	-16	-15	-14	-13	-13	-13	-13	-13	-13	-15	-16	-16	-15	-15	-15.9	-13.0
17-Mar-06	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-12	-11	-10	-9	-8	-7	-7	-7	-7	-8	-8	-9	-10	-10	-11.1	-6.7
18-Mar-06	-10	-11	-12	-13	-14	-14	-15	-17	-17	-18	-18	-18	-17	-16	-15	-14	-14	-14	-15	-15	-15	-15	-16	-16	-15.1	-10.2
19-Mar-06	-17	-19	-22	-23	-24	-25	-26	-25	-22	-19	-15	-13	-11	-9	-8	-6	-5	-4	-6	-9	-12	-14	-16	-17	-15.3	-4.1
20-Mar-06	-19	-20	-21	-22	-22	-23	-24	-23	-16	-12	-6	-3	-2	1	3	3	3	3	1	-2	-2	-3	-3	-5	-8.9	3.2
21-Mar-06	-6	-7	-8	-8	-9	-9	-9	-9	-6	-3	1	2	3	3	4	4	4	3	1	-2	-3	-3	-3	-4	-2.7	3.8
22-Mar-06	-5	-6	-7	-8	-8	-9	-11	-11	-9	-7	-5	-3	-1	1	1	2	3	3	2	1	0	-1	-1	-2	-3.3	3.1
23-Mar-06	-4	-4	-5	-6	-7	-7	-8	-8	-5	-2	-1	0	2	4	4	5	6	5	4	2	1	0	-1	-1	-1.0	5.9
24-Mar-06	-2	-3	-4	-5	-5	-5	-5	-5	-4	-3	-3	-2	-1	0	1	2	1	0	0	-1	-1	-1	-1	-2	-2.1	1.7
25-Mar-06	-2	-2	-3	-4	-4	-4	-5	-5	-3	-2	1	2	3	4	4	4	6	4	2	0	-3	-4	-4	-4	-0.8	5.7
26-Mar-06	-5	-6	-7	-7	-8	-9	-9	-9	-6	-3	0	4	6	5	6	6	6	5	4	3	1	0	0	0	-1.0	5.9
27-Mar-06	0	0	0	0	-1	-3	-4	-1	1	3	5	6	6	7	7	7	8	7	4	1	-1	-3	-4	-5	1.7	7.6
28-Mar-06	-5	-6	-3	-4	-6	-6	-7	-6	-4	0	1	2	2	3	3	4	3	3	2	0	-3	-3	-3	-4	-1.7	3.6
29-Mar-06	-4	-3	-5	-6	-7	-8	-8	-7	-3	0	2	4	5	5	6	7	8	8	7	6	4	3	2	1	0.8	8.3
30-Mar-06	-2	-3	-3	-4	-4	-4	-4	-3	0	2	5	7	7	9	9	10	10	9	9	5	1	6	6	4	2.9	9.9
31-Mar-06	2	2	0	-2	-3	-4	-4	-3	1	3	5	7	8	8	9	9	9	9	8	5	1	1	2	2	3.1	9.2
Hourly Avg	-9.5	-10.2	-10.7	-11.2	-11.8	-12.3	-12.8	-12.5	-10.6	-8.5	-6.7	-5.0	-3.8	-2.9	-2.2	-1.8	-1.5	-2.0	-3.4	-5.3	-6.7	-7.2	-7.6	-8.4		
Hourly Max	2.4	2.2	1.6	2.2	1.9	1.3	0.6	-0.2	1.3	3.3	4.7	6.9	7.5	8.6	9.2	9.7	9.9	9.4	8.7	6.2	4.4	6.0	5.8	3.9		

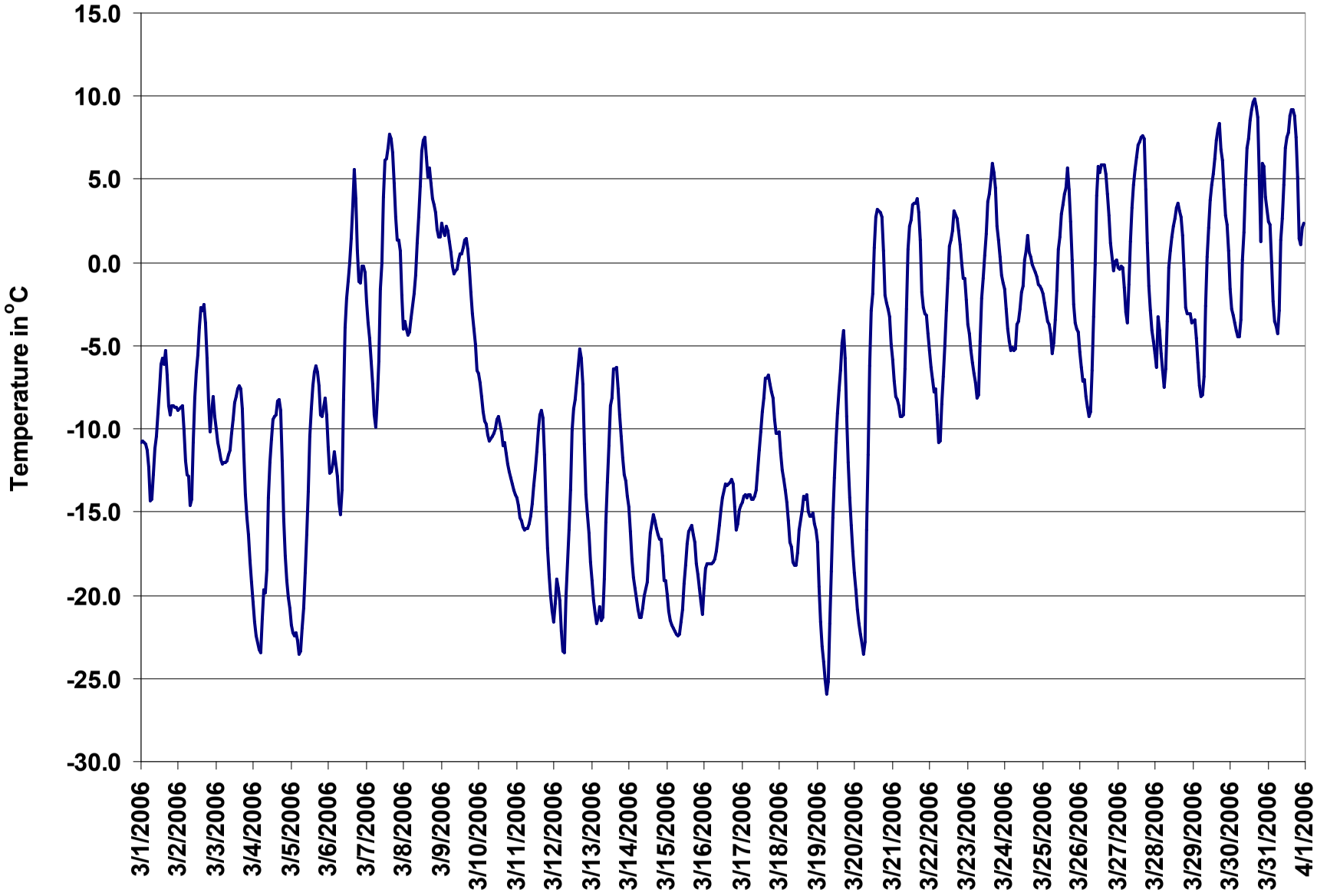


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

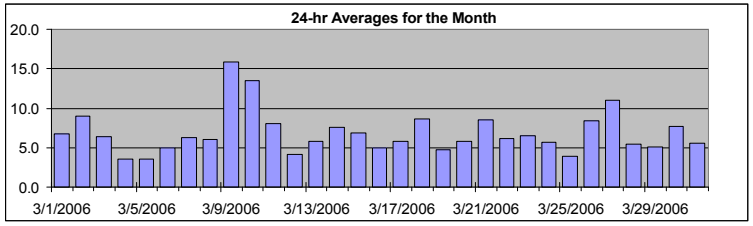
PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

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



Summary

Maximum 1-hr Average:	26.8	km/hr	9-Mar	14:00 15:00
Maximum 24-hr Value:	15.8	km/hr	9-Mar	

Calm Time:	0 hrs	**0%** calms	
Calibration Time:	0 hrs		
Operational Time:	744 hrs		
AMD Operational Uptime:	100.0%		

Percentile	99	95	75	50	25	5	1	AverageS
	22.5	15.0	8.7	6.4	3.6	2.0	1.3	6.8 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-Mar-06	8	8	8	9	6	3	2	2	2	6	6	5	6	8	8	6	9	8	8	7	9	10	9	9	6.7	9.6
2-Mar-06	8	8	8	7	8	8	7	7	6	8	9	9	12	11	12	13	12	11	8	6	7	9	10	11	8.9	12.6
3-Mar-06	11	11	11	9	9	7	6	5	5	5	6	7	5	5	7	7	8	8	6	4	4	4	2	3	6.4	11.1
4-Mar-06	2	2	2	2	2	2	3	3	3	4	5	5	6	7	8	6	7	6	3	2	2	1	2	3	3.5	7.9
5-Mar-06	2	2	3	3	3	2	3	2	2	2	3	4	5	6	6	5	4	4	4	4	4	5	4	5	3.6	6.1
6-Mar-06	3	2	3	3	2	3	3	3	3	3	3	6	6	6	6	7	7	8	8	8	8	6	7	4	5.0	8.2
7-Mar-06	4	3	3	4	3	3	3	3	4	4	5	4	6	8	7	8	14	12	12	9	9	11	7	4	6.2	13.7
8-Mar-06	3	3	2	2	3	3	4	6	7	7	7	11	9	8	9	7	8	9	8	7	4	5	5	4	6.1	10.7
9-Mar-06	5	4	10	17	24	24	26	20	11	17	19	23	25	25	27	22	22	17	14	9	8	5	4	4	15.8	26.8
10-Mar-06	9	10	12	12	10	13	13	11	13	15	17	19	18	19	18	18	14	15	15	13	11	10	10	9	13.5	19.0
11-Mar-06	11	11	11	10	11	12	9	10	11	12	12	11	11	10	7	7	7	7	4	2	1	2	1	2	8.0	12.4
12-Mar-06	2	2	3	3	2	1	2	3	3	3	5	6	8	8	9	7	7	8	3	2	3	4	3	2	4.2	8.8
13-Mar-06	1	2	2	2	3	3	3	4	5	4	8	9	9	10	6	7	7	10	8	6	6	7	7	8	5.8	10.4
14-Mar-06	7	9	10	11	9	9	10	9	9	10	10	10	7	7	8	8	8	6	5	4	4	4	3	6	7.5	10.8
15-Mar-06	8	8	8	8	8	9	7	8	8	9	10	7	7	7	8	8	7	8	6	6	5	2	2	2	6.9	10.0
16-Mar-06	2	3	7	6	5	4	4	4	5	6	6	6	6	6	6	7	7	6	4	4	3	4	5	3	5.0	7.3
17-Mar-06	3	4	5	4	4	6	6	6	7	7	7	7	7	7	7	5	5	4	5	5	8	9	7	5	5.8	8.8
18-Mar-06	8	10	9	9	10	10	11	11	11	13	11	11	12	12	11	10	9	6	6	3	2	4	4	4	8.7	12.7
19-Mar-06	3	1	2	2	3	1	2	3	3	4	6	8	10	9	10	11	8	6	5	3	2	4	3	1	4.7	10.5
20-Mar-06	1	2	1	1	1	1	1	1	1	3	4	7	8	9	11	12	13	11	10	9	8	8	8	7	5.8	12.6
21-Mar-06	6	7	8	8	7	8	8	8	7	7	10	10	11	11	13	12	11	11	8	7	8	7	7	6	8.6	12.7
22-Mar-06	5	6	6	6	5	3	3	4	5	7	5	5	7	7	9	6	6	9	10	7	8	9	8	3	6.2	10.4
23-Mar-06	3	2	2	3	4	3	2	2	2	4	6	7	8	11	14	12	10	10	9	8	10	9	7	7	6.5	13.6
24-Mar-06	7	6	6	7	6	7	6	4	3	6	5	5	5	5	7	7	8	8	6	4	4	4	5	4	5.6	7.9
25-Mar-06	2	3	4	4	3	3	5	2	3	4	5	4	5	4	7	6	6	5	7	4	3	3	2	2	4.0	7.4
26-Mar-06	2	2	2	3	2	3	2	3	3	5	7	9	15	18	16	17	18	16	12	7	6	8	11	11	8.4	18.3
27-Mar-06	11	11	12	11	10	5	7	10	14	17	21	23	20	15	16	15	13	8	8	5	4	3	3	3	11.0	23.1
28-Mar-06	2	4	6	4	5	3	3	4	3	4	7	6	7	8	8	8	9	8	6	5	4	4	6	4	5.4	9.3
29-Mar-06	5	5	3	2	2	3	2	3	5	6	5	5	6	7	7	9	8	9	7	8	4	4	3	4	5.0	9.1
30-Mar-06	3	2	3	2	3	3	4	3	5	8	9	14	17	16	15	15	13	8	5	3	4	11	11	9	7.7	16.5
31-Mar-06	9	8	2	3	2	3	3	3	3	7	6	7	8	8	8	9	8	8	5	3	3	4	6	7	5.6	8.8
1-hr Average	5.1	5.2	5.6	5.6	5.6	5.5	5.5	5.3	5.6	7.0	8.0	8.6	9.4	9.6	10.0	9.6	9.4	8.7	7.3	5.7	5.4	5.9	5.5	5.1		
Hourly Max	11.4	11.0	12.3	17.2	23.6	23.8	25.6	19.7	14.1	16.6	21.4	23.1	25.2	24.8	26.8	22.2	22.3	16.6	14.9	13.2	11.4	11.3	10.7	11.2		

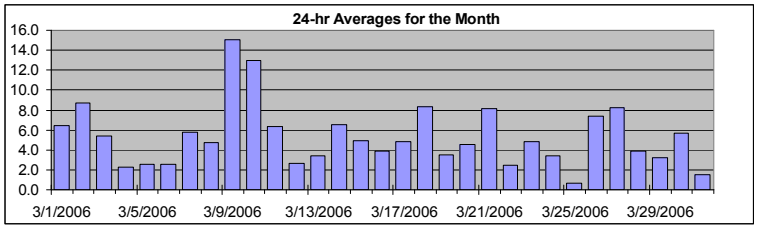
PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	26.5	km/hr	9-Mar	14:00 15:00
Maximum 24-hr Value:	15.0	km/hr	9-Mar	

Calm Time:	31 hrs	**4%** calms	Operational Time:	713 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	22.4	14.8	8.4	6.1	3.3	1.4	1.0	2.5 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-Mar-06	8	8	8	8	6	2	1	1	2	6	6	4	6	7	7	6	8	7	7	7	9	10	9	9	6.4	9.5
2-Mar-06	8	8	8	7	8	8	7	7	6	8	9	9	11	10	11	12	12	11	8	6	7	9	10	11	8.7	12.4
3-Mar-06	11	11	10	9	8	7	6	4	5	5	6	6	4	4	6	6	7	8	5	4	4	4	1	1	5.3	10.8
4-Mar-06	calm	1	2	1	1	1	2	2	3	4	3	3	5	6	7	5	5	4	3	calm	calm	calm	1	3	2.2	7.2
5-Mar-06	2	calm	2	3	2	calm	2	1	2	2	2	2	3	6	6	4	4	4	2	3	4	5	3	4	2.5	5.8
6-Mar-06	3	2	3	2	calm	1	1	2	calm	1	2	5	5	6	6	6	7	8	8	8	8	5	6	calm	2.6	8.2
7-Mar-06	calm	1	2	3	3	1	1	2	2	3	5	4	5	7	7	8	14	12	12	9	9	10	7	2	5.8	13.5
8-Mar-06	2	3	2	2	2	3	3	6	7	7	7	10	9	8	6	6	8	9	8	7	4	5	5	3	4.8	10.5
9-Mar-06	2	4	7	17	24	24	25	19	11	16	18	22	25	25	27	22	22	16	14	9	8	5	4	4	15.0	26.5
10-Mar-06	8	10	11	11	9	13	12	10	12	15	17	18	17	19	18	18	14	15	15	13	11	10	10	9	13.0	18.5
11-Mar-06	11	11	11	9	11	12	9	10	11	12	12	11	10	9	5	6	6	6	4	2	calm	2	1	1	6.3	12.3
12-Mar-06	2	1	2	2	calm	calm	2	3	2	calm	4	6	7	8	8	7	7	8	3	2	3	4	3	1	2.7	8.2
13-Mar-06	calm	calm	calm	1	3	2	2	4	5	4	7	8	8	10	5	7	6	9	8	5	6	7	6	8	3.5	9.7
14-Mar-06	6	9	10	11	9	9	9	9	8	9	9	9	6	6	7	7	8	6	4	4	4	4	3	6	6.6	10.6
15-Mar-06	8	8	7	8	7	8	7	7	8	8	9	5	7	6	7	8	7	8	6	6	5	2	1	2	4.9	9.2
16-Mar-06	2	3	6	6	5	4	4	4	5	5	5	5	5	5	6	6	7	6	4	3	3	4	4	3	3.9	6.8
17-Mar-06	3	3	4	4	3	6	6	6	7	7	7	7	6	6	6	3	3	3	5	5	7	9	6	5	4.9	8.5
18-Mar-06	7	10	9	8	10	10	11	11	10	12	10	11	11	11	10	10	8	6	6	3	2	3	4	3	8.3	12.3
19-Mar-06	2	1	2	2	2	1	2	3	3	3	6	8	10	9	10	10	7	6	5	3	2	4	3	calm	3.5	10.1
20-Mar-06	1	1	1	1	1	calm	calm	1	calm	2	2	4	8	8	11	12	12	11	10	9	8	8	8	6	4.5	12.4
21-Mar-06	6	7	8	8	7	8	8	8	7	7	9	8	9	10	12	11	11	11	8	7	8	7	7	6	8.1	12.0
22-Mar-06	5	6	6	6	5	calm	1	3	5	7	4	4	7	7	7	6	6	9	10	7	8	9	8	2	2.5	10.3
23-Mar-06	3	calm	2	1	4	2	2	1	2	3	6	7	8	11	13	12	10	9	9	8	10	9	7	7	4.8	13.3
24-Mar-06	7	6	6	7	6	7	6	3	1	6	5	4	4	5	6	7	8	7	6	4	4	3	5	3	3.4	7.7
25-Mar-06	calm	2	3	3	1	2	3	calm	2	3	3	1	5	4	6	5	6	4	6	3	1	1	2	calm	0.7	6.3
26-Mar-06	calm	2	calm	2	2	3	calm	2	1	4	7	9	15	18	16	17	18	16	12	7	6	8	11	11	7.4	18.1
27-Mar-06	11	11	12	11	10	3	7	10	14	16	21	23	20	15	15	15	11	7	8	4	3	3	2	calm	8.2	22.9
28-Mar-06	1	2	5	4	5	2	3	3	3	4	6	4	6	7	7	7	9	7	6	5	4	4	5	4	3.9	8.7
29-Mar-06	5	5	2	1	2	3	1	2	4	5	3	2	5	6	7	8	7	9	7	8	3	4	1	calm	3.2	8.9
30-Mar-06	1	1	2	2	1	2	4	2	5	8	9	13	16	15	15	14	12	7	5	2	4	11	10	9	5.6	16.2
31-Mar-06	9	8	1	2	1	1	2	1	3	6	6	5	8	7	7	8	8	7	5	3	3	4	6	7	1.5	8.6
1-hr Vector	0.7	1.5	1.9	1.8	2.0	2.1	2.3	2.4	3.0	3.6	4.0	4.6	5.6	5.2	5.8	5.6	5.3	5.0	3.6	2.6	1.9	1.3	1.0	0.5		
Hourly Max	11.4	10.7	12.3	16.8	23.5	23.5	25.4	19.5	14.0	16.5	21.2	22.9	24.9	24.5	26.5	22.0	22.1	16.4	14.7	12.8	11.1	11.1	10.7	11.0		

PASZA - Evergreen Park - Wind Direction Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	**0%** calms					Operational Time:	744 hrs																			
Calibration Time:	0 hrs						AMD Operational Uptime:	100.0%																			
Percentile	99	95	75	50	25	5	1	Average																			
	357.4	347.5	306.8	122.1	69.9	11.9	2.2	27 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-Mar-06	117	124	119	120	134	176	148	105	91	106	118	65	90	97	96	63	94	105	104	105	117	120	116	119	109	ESE
2-Mar-06	119	121	123	125	119	127	126	116	118	144	131	114	108	126	136	112	120	124	126	108	119	153	155	151	126	SE
3-Mar-06	149	152	156	156	152	154	148	133	131	144	149	160	166	144	99	107	103	101	110	87	56	40	31	36	132	SE
4-Mar-06	358	51	87	50	82	46	38	56	102	114	232	351	49	39	12	26	47	52	13	186	282	121	311	307	37	NE
5-Mar-06	344	344	347	307	307	10	70	326	318	29	42	349	351	45	51	50	61	62	35	339	308	316	311	294	2	N
6-Mar-06	306	269	277	254	118	126	278	111	39	284	339	41	58	53	50	87	106	116	115	116	113	118	117	199	96	E
7-Mar-06	333	319	321	330	331	351	16	311	334	9	310	314	322	348	34	344	327	325	327	323	311	302	319	273	328	NNW
8-Mar-06	202	217	150	170	156	215	217	222	223	218	227	241	239	218	235	171	160	153	161	171	161	121	121	124	194	SSW
9-Mar-06	163	37	314	303	315	318	328	335	341	345	348	343	339	334	336	330	329	325	316	321	319	319	348	337	330	NNW
10-Mar-06	318	11	11	357	345	340	338	340	351	360	3	11	1	23	22	15	14	17	19	12	2	353	350	350	3	N
11-Mar-06	349	354	356	343	331	332	328	328	330	326	324	320	319	317	342	37	71	92	102	101	94	94	91	343	344	NNW
12-Mar-06	0	343	331	298	54	16	241	248	56	360	29	106	78	54	62	57	51	28	19	18	107	121	273	349	45	NE
13-Mar-06	95	27	301	82	341	286	321	346	324	312	325	336	7	32	71	66	99	105	104	93	83	85	57	28	39	NE
14-Mar-06	24	13	0	8	11	12	13	16	11	15	17	20	40	60	54	80	75	81	84	83	104	105	38	30	33	NNE
15-Mar-06	22	9	7	10	339	345	8	7	353	346	321	355	34	49	64	69	86	88	89	110	98	90	317	268	24	NNE
16-Mar-06	333	16	41	26	4	356	351	347	347	11	16	30	42	48	53	90	101	102	100	84	37	17	360	357	35	NE
17-Mar-06	342	345	306	288	300	311	319	303	304	311	322	316	314	328	340	24	22	29	323	348	14	34	35	348	337	NNW
18-Mar-06	11	25	8	352	2	5	12	9	352	7	359	359	2	344	342	23	26	11	28	1	269	337	2	349	3	N
19-Mar-06	88	112	100	5	11	66	16	307	326	299	30	28	23	34	30	39	76	80	72	48	312	303	300	282	30	NNE
20-Mar-06	129	290	93	77	64	31	191	127	145	339	305	137	42	77	99	112	111	114	116	120	136	143	135	124	111	ESE
21-Mar-06	126	122	122	120	121	120	122	121	121	120	165	172	163	159	136	150	144	143	118	112	117	126	129	123	135	SE
22-Mar-06	118	116	119	119	125	149	344	317	335	321	317	303	300	303	358	59	75	92	102	109	111	117	122	95	80	E
23-Mar-06	93	35	33	293	336	350	349	336	33	51	30	39	50	99	105	111	109	111	115	118	121	124	127	131	94	E
24-Mar-06	141	128	114	110	112	119	120	99	6	317	322	303	357	32	59	75	83	80	81	77	47	36	342	35	73	ENE
25-Mar-06	256	249	318	0	346	291	223	202	202	275	255	61	42	44	47	46	61	73	299	151	204	185	104	80	8	N
26-Mar-06	107	272	62	347	42	39	50	328	358	332	329	327	324	314	333	330	331	326	321	306	292	277	279	283	321	NW
27-Mar-06	279	279	280	282	278	277	281	289	303	310	316	318	321	333	334	340	3	49	109	117	151	220	220	303	311	NW
28-Mar-06	202	31	338	0	29	338	36	31	38	113	114	91	74	78	94	90	106	114	108	119	124	116	133	139	88	E
29-Mar-06	124	124	116	104	111	115	68	102	120	183	201	53	47	54	63	88	84	99	90	154	191	275	167	234	108	ESE
30-Mar-06	97	67	320	238	248	271	259	265	311	320	327	318	331	325	334	333	347	354	22	351	233	261	239	235	314	NW
31-Mar-06	249	256	188	207	142	211	246	242	307	310	296	47	51	37	43	82	95	89	102	120	108	115	120	121	84	E
Hourly Avg	63	35	16	359	359	348	345	345	347	342	338	357	7	19	33	49	61	73	73	87	94	98	92	52		

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

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms		Operational Time:		744 hrs	
Calibration Time:	0 hrs			AMD Operational Uptime:		100.0%	
Percentile	99	95	75	50	25	5	1
	61.3	50.4	26.4	16.9	11.2	6.3	4.3

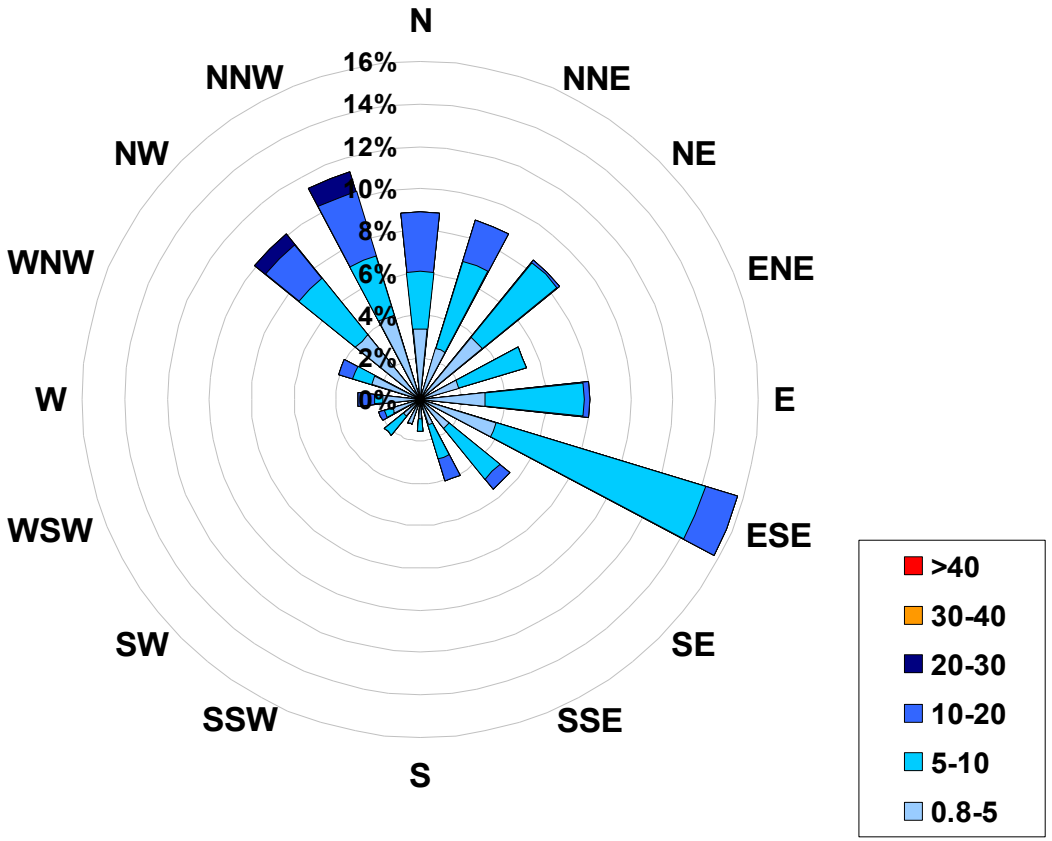
Status Flag Characters

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-Mar-06	10	12	10	9	15	18	24	33	18	11	22	23	26	21	17	19	14	14	11	8	8	8	8	9	33.0
2-Mar-06	8	7	10	13	8	7	11	6	8	15	14	17	15	18	18	12	9	12	11	8	6	10	13	13	17.6
3-Mar-06	13	14	13	18	14	17	14	15	18	19	20	27	27	37	21	22	15	9	7	8	8	8	36	36	36.9
4-Mar-06	61	37	16	24	50	43	36	24	9	11	23	27	20	21	24	29	17	23	25	38	61	48	45	8	61.5
5-Mar-06	36	48	24	16	26	61	17	57	35	43	29	41	21	16	17	21	21	27	34	22	15	21	35	15	61.0
6-Mar-06	44	32	31	32	64	58	57	44	45	54	52	17	17	20	17	19	14	9	5	5	6	30	38	41	64.3
7-Mar-06	59	51	45	51	35	61	58	42	65	43	21	33	27	20	22	18	8	8	9	9	6	6	10	37	64.9
8-Mar-06	51	26	19	30	22	24	37	8	8	11	13	11	13	18	24	25	18	11	12	13	12	7	9	43	50.5
9-Mar-06	60	32	19	7	6	6	6	9	10	11	10	8	8	8	8	8	8	8	6	6	7	22	17	17	59.8
10-Mar-06	9	11	10	12	14	13	12	13	14	14	14	16	18	9	10	14	13	11	9	12	12	14	14	14	18.0
11-Mar-06	12	13	12	13	8	8	9	10	9	9	11	12	13	16	37	30	24	19	8	14	30	6	6	33	36.6
12-Mar-06	23	57	19	38	40	50	21	15	35	43	22	30	22	16	18	16	18	8	20	26	23	6	34	48	56.8
13-Mar-06	21	41	68	53	44	49	38	40	18	19	16	23	25	23	35	22	28	12	10	21	10	11	14	12	67.8
14-Mar-06	18	15	14	13	16	17	13	12	16	16	18	20	37	27	30	26	18	20	21	16	18	13	15	24	37.5
15-Mar-06	11	14	17	13	14	15	15	15	19	21	20	38	27	31	26	22	18	14	12	9	9	11	39	20	39.0
16-Mar-06	38	26	13	10	11	15	20	18	19	23	25	34	35	40	25	26	22	18	18	11	12	11	13	23	39.5
17-Mar-06	16	18	13	13	15	10	10	11	12	10	15	15	13	29	28	37	30	55	12	13	14	16	17	17	54.6
18-Mar-06	12	12	18	17	14	15	14	14	15	13	16	16	19	21	19	19	17	23	10	16	25	14	12	17	25.2
19-Mar-06	20	16	6	24	23	14	26	43	34	19	18	11	11	24	12	12	16	17	19	22	32	9	16	58	57.8
20-Mar-06	16	46	7	9	10	36	32	21	28	20	48	41	18	20	11	13	11	10	9	6	8	10	10	7	47.9
21-Mar-06	6	5	4	5	6	5	6	5	6	11	22	29	26	22	18	18	19	16	14	7	6	8	8	8	28.8
22-Mar-06	6	6	5	6	6	47	34	26	18	8	38	20	15	24	15	19	19	12	8	9	7	6	8	33	46.7
23-Mar-06	20	37	36	55	20	42	36	53	53	40	15	16	20	12	12	14	12	12	12	8	8	7	10	12	54.7
24-Mar-06	13	11	9	7	8	13	13	19	63	15	16	25	21	27	27	24	13	13	15	16	17	20	16	31	63.1
25-Mar-06	44	47	45	20	41	49	39	66	34	24	36	56	20	27	16	20	21	19	42	24	51	28	18	39	65.6
26-Mar-06	53	36	25	34	30	26	37	42	28	21	14	11	11	10	12	10	9	6	6	5	16	4	3	3	53.4
27-Mar-06	3	3	4	4	4	43	9	5	5	6	8	8	10	13	13	15	14	21	11	19	38	33	30	35	43.0
28-Mar-06	35	50	15	17	18	26	25	29	42	26	22	44	28	24	31	28	22	17	15	7	6	8	8	11	50.5
29-Mar-06	6	7	30	43	10	14	28	22	39	33	55	57	36	22	21	20	19	11	13	19	23	25	70	51	69.7
30-Mar-06	19	38	33	34	51	46	9	25	14	11	10	12	10	9	12	12	17	20	16	31	20	10	8	7	51.2
31-Mar-06	7	9	36	25	41	36	53	67	39	14	14	27	25	25	34	22	20	15	12	21	20	15	11	7	67.0
Hourly Max	61	57	68	55	64	61	58	67	65	54	55	57	37	40	37	37	30	55	42	38	61	48	70	58	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	284
5	to	10	332
10	to	20	116
20	to	30	12
30	to	40	0
	>	40	0
Total Non-Zero Values			744

PASZA - Smoky Heights Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Smoky Heights- Sulphur Dioxide Monthly Summary

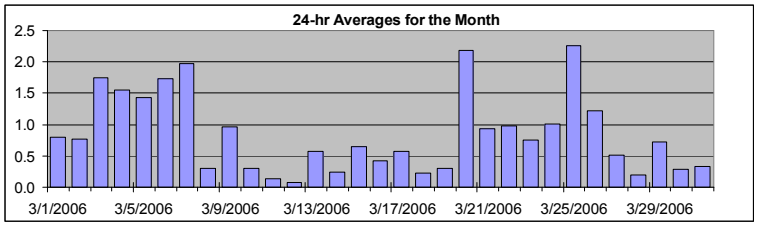
Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: March 1, 2006 to April 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:	15.0	ppb	7-Mar	19:00 20:00
Maximum 24-hr Average:	2.3	ppb	25-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	4.7	2.5	1.1	0.6	0.2	0.0	0.0	0.8 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-Mar-06	0	A	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0.8	1.8
2-Mar-06	A	1	1	1	1	1	0	0	1	1	1	2	2	1	1	1	1	0	0	0	0	0	1	A	0.8	2.1
3-Mar-06	2	1	2	2	3	3	2	2	1	1	1	2	3	4	4	3	2	2	1	1	0	0	A	0	1.7	3.7
4-Mar-06	0	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	A	1	1	1.6	2.5
5-Mar-06	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	A	2	2	2	1.4	3.0
6-Mar-06	2	2	1	1	1	1	1	1	1	2	2	3	5	5	3	2	1	2	2	A	1	1	1	1	1.7	4.9
7-Mar-06	1	1	1	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0	A	15	9	5	0	0	2.0	15.0
8-Mar-06	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.3	1.8
9-Mar-06	0	0	0	0	1	1	0	0	0	2	2	2	0	1	1	0	A	2	2	5	1	0	0	0	1.0	4.6
10-Mar-06	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0.3	1.0
11-Mar-06	0	0	0	0	0	0	0	0	0	0	0	1	1	1	A	0	0	0	0	0	0	0	0	0	0.1	0.9
12-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0.1	0.8
13-Mar-06	0	1	1	1	1	1	1	1	1	0	1	1	A	1	1	1	1	1	0	0	0	0	0	0	0.6	1.3
14-Mar-06	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	1	1	1	0.2	1.0
15-Mar-06	1	1	0	0	1	1	1	1	1	1	A	1	1	1	1	1	0	0	0	0	1	1	1	1	0.6	1.4
16-Mar-06	0	0	0	1	1	0	0	0	0	A	0	0	0	1	0	1	0	0	0	0	1	1	1	0	0.4	0.7
17-Mar-06	0	0	0	0	0	0	0	0	A	0	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0.6	1.4
18-Mar-06	0	0	0	0	1	0	0	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.2	0.7
19-Mar-06	0	0	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.3	1.0
20-Mar-06	3	5	4	3	3	A	2	2	3	4	3	3	3	3	2	1	1	1	1	1	0	0	0	1	2.2	4.7
21-Mar-06	1	1	0	1	A	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1	1	1	1	0.9	1.4
22-Mar-06	1	1	1	1	1	A	1	0	1	1	2	2	1	1	1	1	1	1	1	1	0	1	1	1	1.0	1.7
23-Mar-06	0	0	1	0	A	0	0	0	0	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0.8	2.0
24-Mar-06	0	0	0	A	0	0	0	0	0	1	1	2	2	2	2	2	1	1	1	1	2	2	1	1	1.0	2.0
25-Mar-06	1	1	A	1	1	1	1	1	1	1	2	2	4	12	6	5	2	2	2	2	1	2	1	1	2.3	11.5
26-Mar-06	1	A	1	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	4	3	2	1	4	1	1.2	4.1
27-Mar-06	A	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	A	0.5	1.3
28-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	A	0	0.2	0.5
29-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	A	1	1	0.7	2.1
30-Mar-06	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	A	0	0	0	0.3	0.8
31-Mar-06	0	0	1	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	A	0	0	0	0	0.3	2.0
Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.9	1.0	1.1	1.3	1.6	1.3	1.0	0.8	0.8	0.9	1.4	0.9	0.7	0.7	0.6		
Hourly Max	2.9	4.7	4.0	3.5	3.1	3.4	2.3	1.8	3.0	4.3	3.0	3.1	4.9	11.5	6.2	4.6	2.4	2.4	3.5	15.0	9.3	4.9	4.1	2.1		

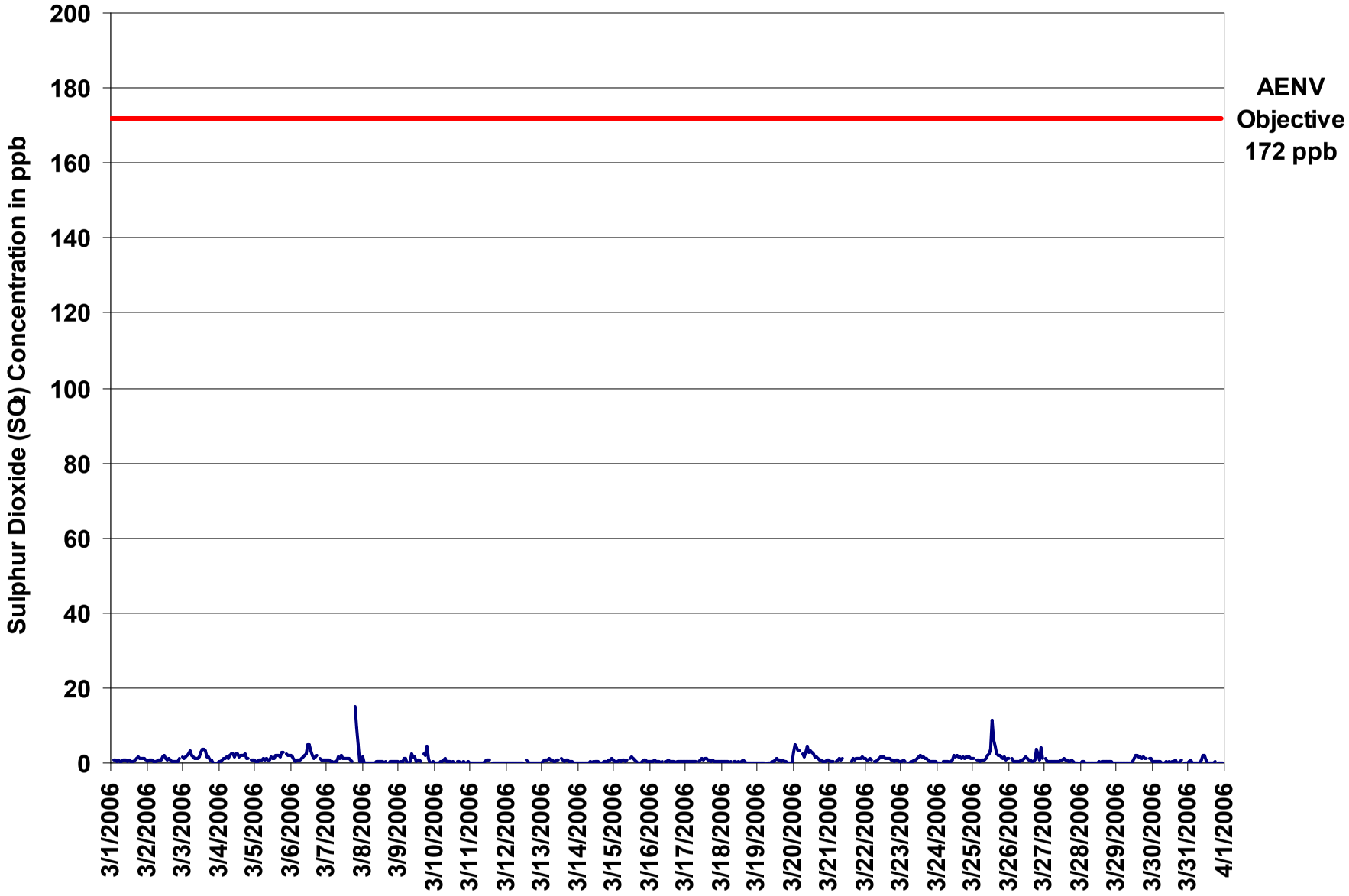


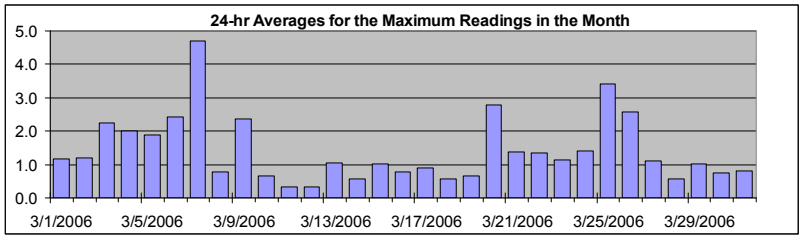
Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

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



Summary

Maximum 1-hr Value:	38.7	ppb	7-Mar	19:00 20:00
Maximum 24-hr Value:	4.7	ppb	7-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	8.5	3.6	1.6	1.0	0.6	0.1	0.0	1.4 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-Mar-06	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1.2	2.4
2-Mar-06	A	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	2	A	1.2	2.7
3-Mar-06	2	2	2	3	3	4	3	3	1	1	2	2	4	4	4	4	3	2	1	1	0	1	A	1	2.2	4.1
4-Mar-06	1	1	1	1	2	2	2	2	3	2	3	2	3	3	2	2	2	2	4	2	2	A	1	1	2.0	3.7
5-Mar-06	1	1	1	1	1	1	2	1	2	2	1	2	2	2	2	2	2	3	3	3	A	3	2	3	1.9	3.5
6-Mar-06	2	2	1	2	1	1	1	1	2	2	2	5	7	6	5	3	2	2	2	A	2	1	1	1	2.4	7.4
7-Mar-06	1	1	1	1	1	1	1	1	2	2	6	2	2	2	2	2	3	1	A	39	20	16	3	1	4.7	38.7
8-Mar-06	6	1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	A	0	1	1	1	1	1	0.8	5.6
9-Mar-06	1	0	1	0	3	3	0	1	2	3	4	3	1	3	3	1	A	5	7	7	4	1	0	1	2.4	7.3
10-Mar-06	0	1	1	0	1	1	1	1	2	1	1	1	0	1	1	A	1	1	0	1	1	0	0	1	0.7	1.7
11-Mar-06	0	0	1	0	0	0	0	0	0	0	1	1	1	1	A	0	0	0	0	0	0	0	0	0	0.3	1.3
12-Mar-06	0	0	0	0	0	1	0	0	0	0	0	0	1	A	1	1	0	0	0	0	0	0	0	0	0.3	1.1
13-Mar-06	0	1	1	1	2	2	1	1	1	1	1	1	A	2	1	1	1	1	1	1	1	0	1	0	1.0	1.7
14-Mar-06	0	0	0	0	1	0	1	1	1	1	1	A	1	1	1	0	0	0	1	1	1	1	1	2	0.6	1.6
15-Mar-06	1	1	1	1	1	1	1	1	1	1	A	2	2	2	1	1	0	0	0	1	1	1	1	1	1.0	1.7
16-Mar-06	1	1	1	1	1	1	1	0	1	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.8	1.0
17-Mar-06	1	1	1	1	1	1	1	1	A	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0.9	1.9
18-Mar-06	1	1	1	1	1	1	1	A	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0.6	1.4
19-Mar-06	0	0	1	0	0	0	A	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0.7	1.4
20-Mar-06	5	5	5	4	4	A	3	2	4	5	5	3	3	3	3	2	2	2	1	1	1	0	1	1	2.8	5.4
21-Mar-06	1	1	1	1	A	1	1	2	2	3	C	C	C	C	A	1	1	1	2	2	1	2	2	2	1.4	2.8
22-Mar-06	2	1	1	1	1	A	1	1	1	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1.3	2.2
23-Mar-06	1	1	2	1	A	1	0	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	1	1.1	2.4
24-Mar-06	1	0	1	A	1	1	1	1	1	1	1	3	2	3	2	2	2	2	1	2	2	2	2	2	1.4	2.9
25-Mar-06	2	2	A	1	1	1	1	1	1	2	4	3	11	13	9	9	3	3	3	2	2	3	1	2	3.4	13.2
26-Mar-06	2	A	2	1	1	1	0	1	1	1	2	2	2	1	1	1	1	5	6	6	7	3	10	3	2.6	10.1
27-Mar-06	A	6	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	A	1.1	5.6
28-Mar-06	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0	0.6	0.9
29-Mar-06	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	A	2	1	1.0	2.3
30-Mar-06	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	2	0	0	1	2	A	1	0	0	0.8	1.8
31-Mar-06	0	2	2	1	0	0	0	0	0	2	2	3	2	1	0	0	0	0	1	A	1	0	0	0	0.8	3.0
Hourly Avg	1.2	1.2	1.0	0.9	1.0	0.9	0.9	0.9	1.1	1.3	1.7	1.7	2.1	2.2	1.9	1.6	1.2	1.4	1.6	2.8	1.8	1.4	1.3	0.9		
Hourly Max	5.6	5.6	4.6	4.0	3.7	3.7	2.7	2.6	4.1	5.1	6.3	5.3	11.3	13.2	9.5	8.6	3.1	5.5	7.3	38.7	20.0	15.6	10.1	3.0		

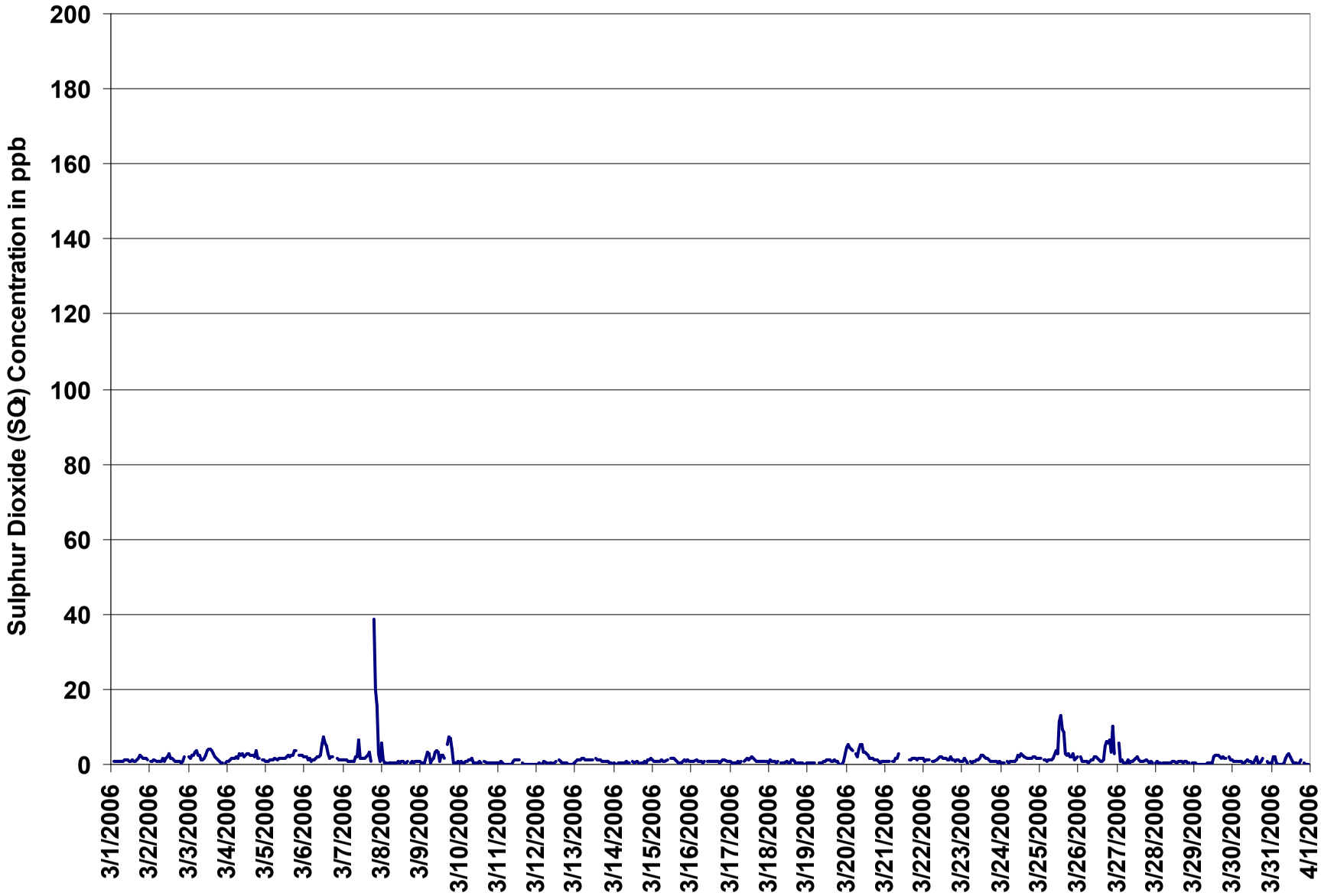
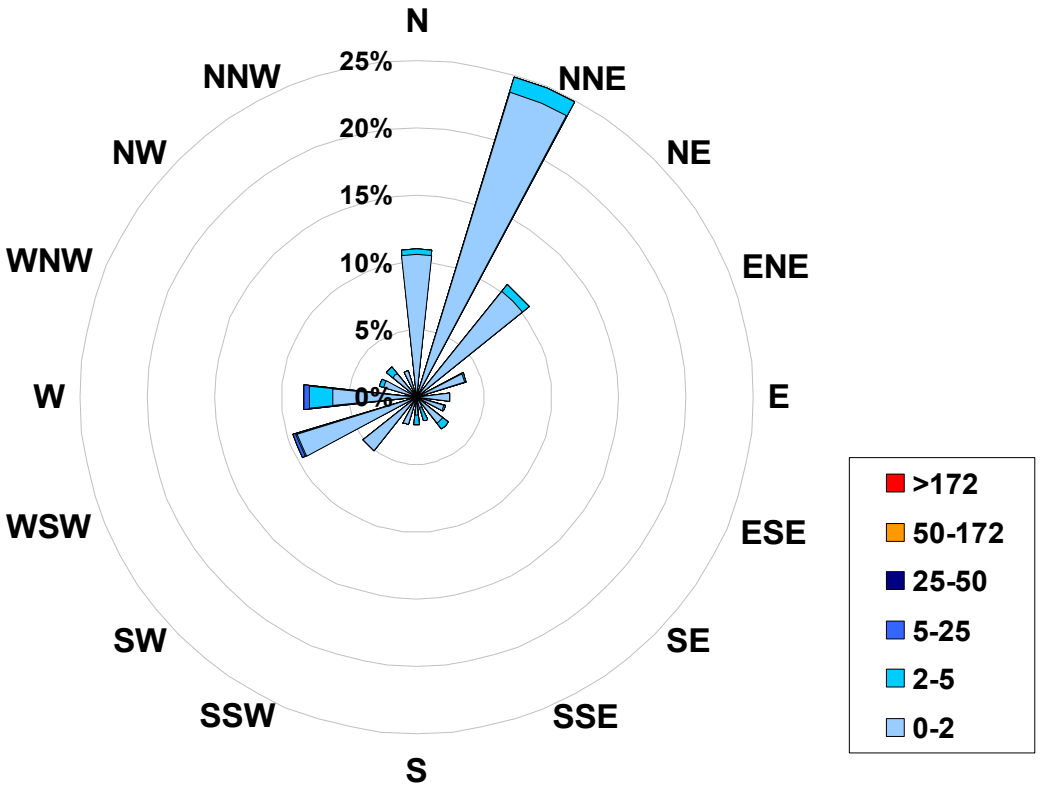


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	646
2	to	5	56
5	to	25	4
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			706

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

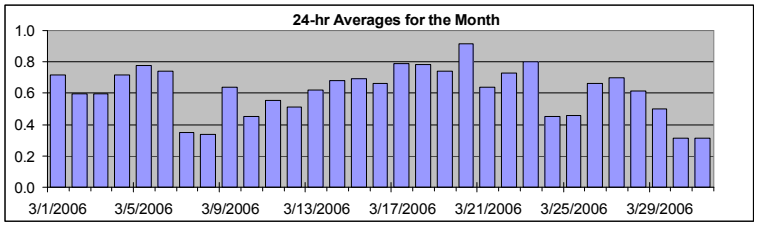
Total Reduced Sulphur (TRS)

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

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

Summary

Maximum 1-hr Average:	1.3	ppb	23-Mar	16:00 17:00
Maximum 24-hr Value:	0.9	ppb	20-Mar	



AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	1.0	0.7	0.6	0.5	0.2	0.1	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-Mar-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	0.9
2-Mar-06	A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.6	0.7
3-Mar-06	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.8
4-Mar-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	1.0
5-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.8	1.0
6-Mar-06	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.7	1.2
7-Mar-06	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	A	1	0	0	0	0	0.3	0.8
8-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	A	1	1	0	0	0	0	0.3	0.6
9-Mar-06	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.6	0.9
10-Mar-06	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	A	1	0	0	0	0	0	1	1	0.5	0.6
11-Mar-06	0	1	1	0	0	0	0	1	0	0	0	1	1	1	A	1	1	1	1	1	1	0	0	0	0.6	0.7
12-Mar-06	0	0	0	0	1	0	0	1	1	1	1	1	1	A	1	1	0	1	0	0	0	0	0	1	0.5	0.6
13-Mar-06	0	0	0	0	0	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.6	1.0
14-Mar-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	0.8
15-Mar-06	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
16-Mar-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	0.7	0.8
17-Mar-06	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
18-Mar-06	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
19-Mar-06	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
20-Mar-06	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
21-Mar-06	1	1	1	1	A	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1	1	1	1	0.6	0.9
22-Mar-06	1	1	1	1	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.1
23-Mar-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	1.3
24-Mar-06	1	1	1	A	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.5	0.8
25-Mar-06	0	0	A	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0.5	1.0
26-Mar-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
27-Mar-06	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.7	1.1
28-Mar-06	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	A	0	0.6	1.0
29-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	A	0	0	0.5	1.2
30-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	A	1	0	0	0.3	0.7
31-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	A	1	0	0	0	0.3	0.8
Hourly Avg	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5		
Hourly Max	0.8	0.9	0.9	0.8	0.9	0.8	0.9	1.0	1.1	1.2	1.2	1.0	1.1	1.0	1.0	1.3	1.3	1.3	1.2	1.1	0.9	0.9	0.9	0.8		

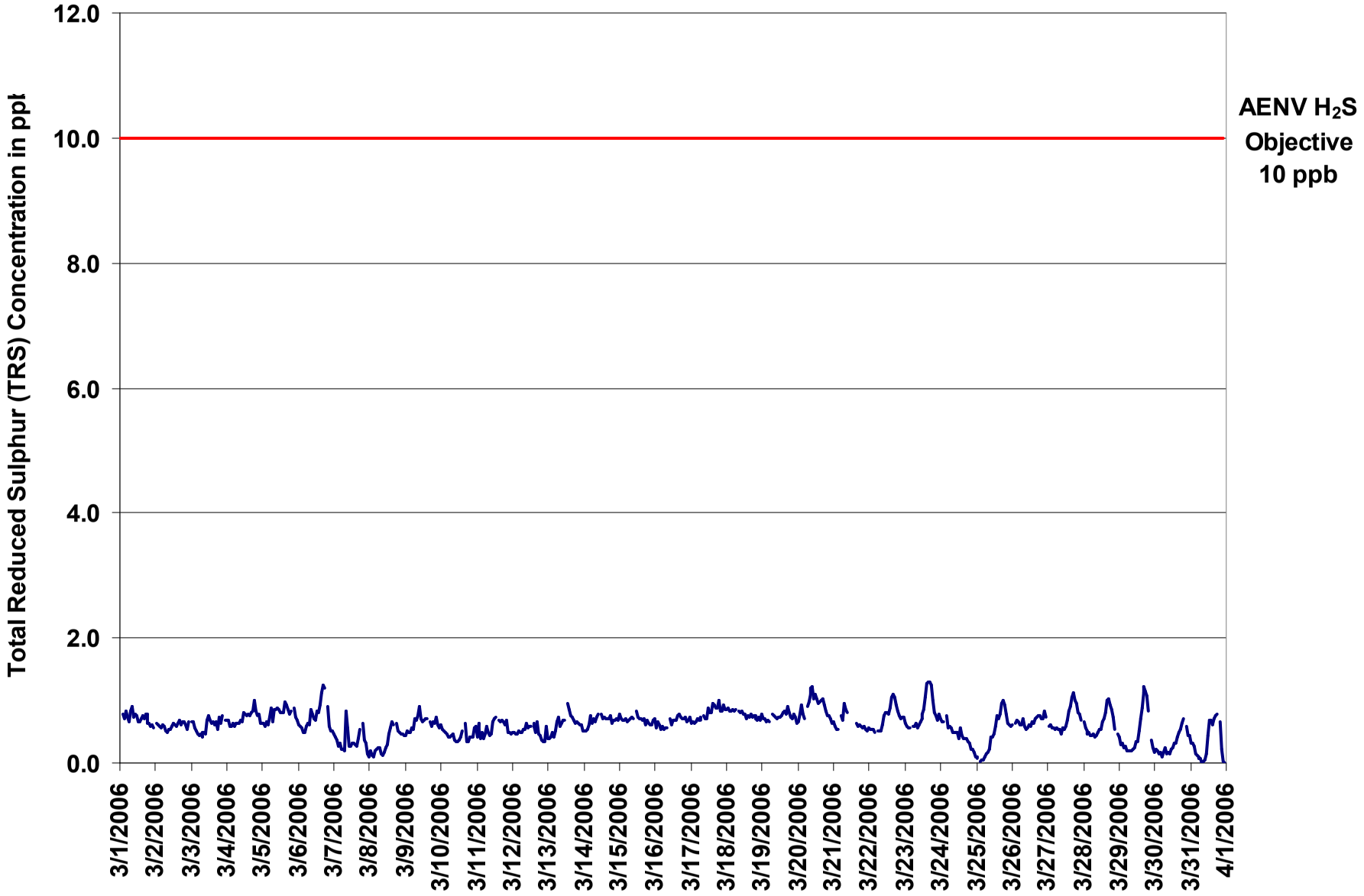


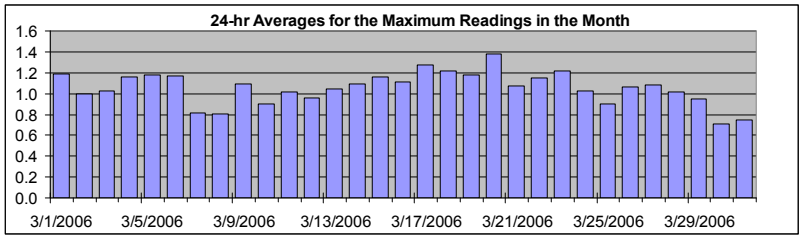
Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

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



Summary

Maximum 1-hr Value:	4.7	ppb	24-Mar	13:00 14:00
Maximum 24-hr Value:	1.4	ppb	20-Mar	

AIC Time:	34 hrs	Operational Time:	706 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.5	1.2	1.1	0.9	0.6	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-Mar-06	1	A	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.6
2-Mar-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	1.2
3-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	1	1.0	1.7
4-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	A	1	1	1.2	1.6
5-Mar-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	1.2	1.3
6-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	A	1	1	1	1	1.2	1.8
7-Mar-06	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1	1	1	0	1	0.8	1.6
8-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.8	1.2
9-Mar-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	1.1	1.4
10-Mar-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	1.1
11-Mar-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	1.0	1.2
12-Mar-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	1.0	1.2
13-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	A	2	1	1	1	1	1	1	1	1	1	1	1.0	1.5
14-Mar-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	1.1	1.2
15-Mar-06	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	2	1.2	1.5
16-Mar-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	1.5
17-Mar-06	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.3	1.5
18-Mar-06	1	2	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.6
19-Mar-06	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.3
20-Mar-06	1	1	1	1	1	A	1	1	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1.4	1.8
21-Mar-06	1	1	1	1	A	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1	1	1	1	1.1	1.3
22-Mar-06	1	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	1.6
23-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1.2	1.8
24-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1.0	4.7
25-Mar-06	1	0	A	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5
26-Mar-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
27-Mar-06	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1.1	1.5
28-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.0	1.5
29-Mar-06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	A	1	1	1.0	1.6
30-Mar-06	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.7	1.1
31-Mar-06	1	1	1	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	A	2	1	1	0	0.7	1.6
Hourly Avg	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	1.0	1.0		
Hourly Max	1.4	1.6	1.4	1.4	1.2	1.3	1.3	1.4	1.6	1.7	1.8	1.6	1.5	4.7	1.6	1.8	1.8	1.8	1.6	1.5	1.6	1.7	1.5	1.5		

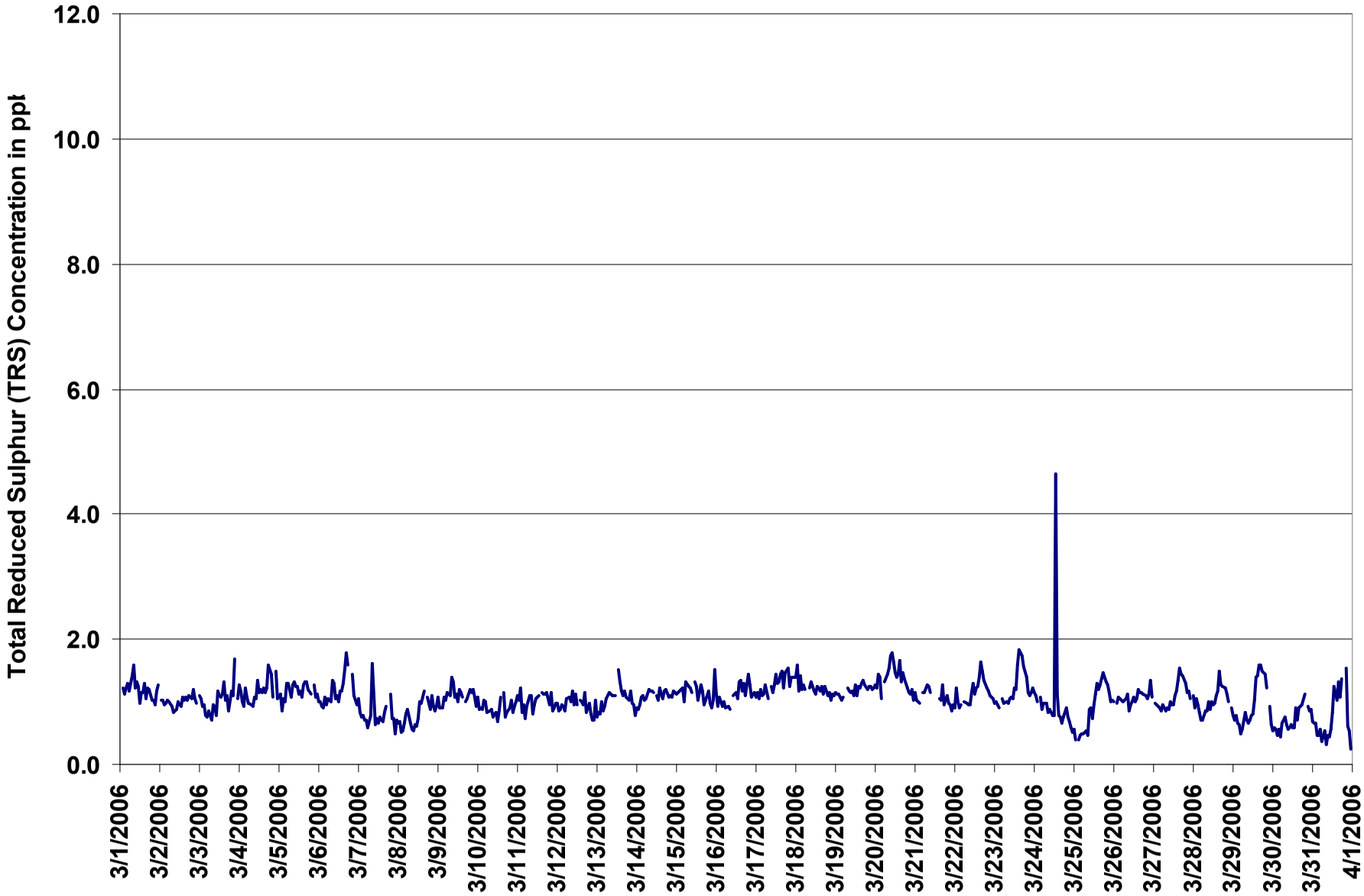
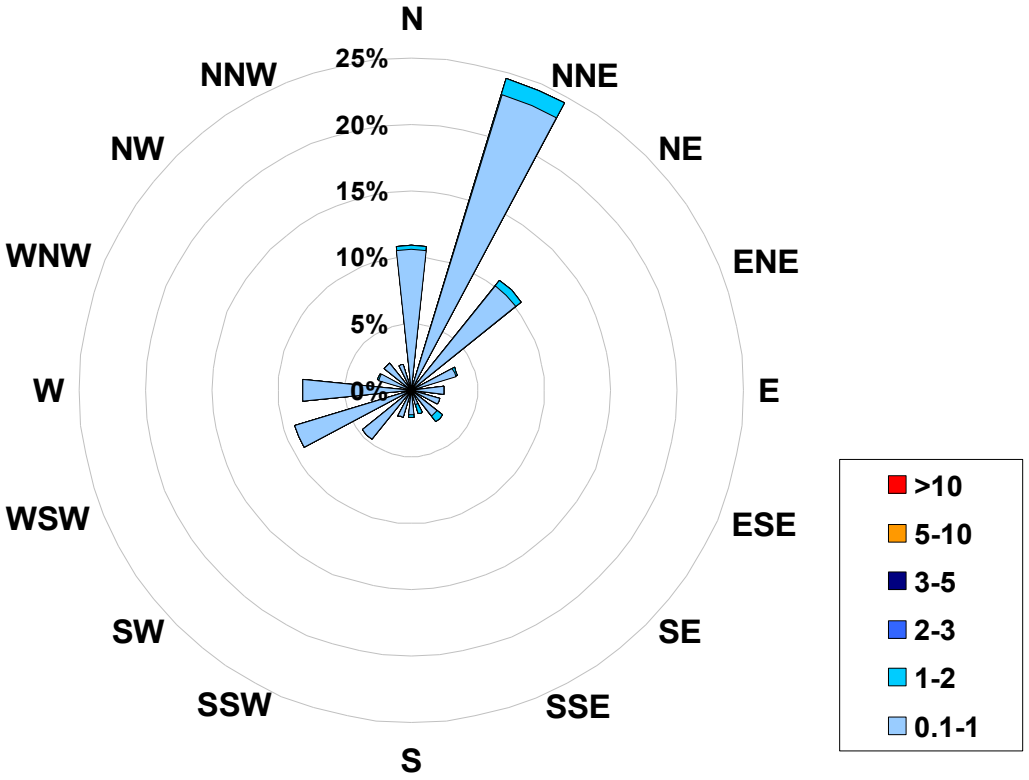


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of TRS in ppb			
Range			Frequency (hrs)
0.1	<	1	678
1	to	2	28
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			706

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

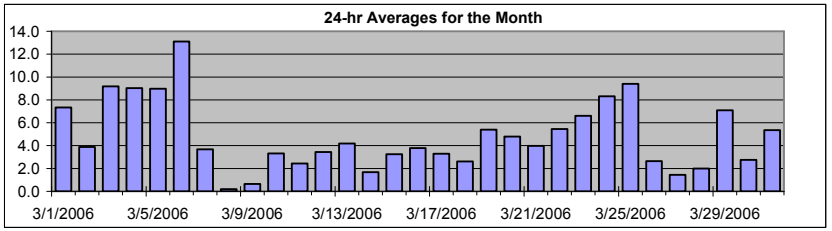
Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: March 1, 2006 to April 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:	62.7	µg/m³	3-Mar	20:00 21:00
Maximum 24-hr Value:	13.1	µg/m³	6-Mar	

AIC Time:	0 hrs	Operational Time:	734 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.1%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	28.7	13.6	6.1	3.4	1.5	0.0	0.0	4.8 / 3 µg/m³	3.7 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-Mar-06	8	2	4	3	3	4	2	2	23	16	4	10	5	15	5	10	4	22	19	5	3	2	3	3	7.3	22.8
2-Mar-06	2	3	3	3	4	3	3	3	5	4	6	5	3	3	3	3	4	4	4	3	4	4	7	5	3.9	7.2
3-Mar-06	5	5	4	2	2	3	2	1	2	5	15	22	2	5	5	6	4	2	3	5	63	30	6	20	9.2	62.7
4-Mar-06	24	D	D	D	1	7	5	4	5	8	6	9	11	4	4	4	5	4	7	19	7	6	38	8	9.0	38.1
5-Mar-06	7	5	5	7	4	5	6	5	9	8	9	7	3	7	6	19	8	7	9	27	19	13	12	10	9.0	26.6
6-Mar-06	10	7	9	12	9	9	7	9	12	9	11	11	11	12	15	20	9	48	35	13	5	6	9	16	13.1	47.7
7-Mar-06	8	9	5	6	6	5	5	7	5	3	5	7	8	6	4	0	0	0	0	0	0	0	0	0	3.7	9.0
8-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	D	0	0	0	0	0.2	3.1
9-Mar-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	1	1	9	0.6	8.9
10-Mar-06	3	2	2	2	3	3	4	4	4	4	3	4	4	3	4	4	4	3	3	4	4	3	3	3	3.3	4.4
11-Mar-06	3	3	2	2	2	2	2	3	3	3	3	4	2	2	5	2	1	2	2	3	2	1	0	4	2.4	5.0
12-Mar-06	10	6	15	0	0	0	0	2	4	6	6	0	3	2	1	2	2	1	3	2	2	2	4	9	3.4	15.0
13-Mar-06	3	1	0	0	1	2	1	4	8	11	8	0	5	6	7	4	2	1	2	15	4	0	7	9	4.2	15.4
14-Mar-06	6	2	2	0	0	0	0	0	4	2	1	0	1	1	1	1	2	1	1	1	2	3	5	3	1.7	5.6
15-Mar-06	1	2	2	2	2	2	3	2	6	5	2	2	3	1	3	2	1	2	8	9	4	1	1	12	3.3	12.3
16-Mar-06	1	5	8	2	1	1	1	1	5	7	3	1	1	3	2	2	1	2	11	4	1	5	11	10	3.8	10.7
17-Mar-06	1	2	2	1	2	3	2	5	1	3	4	3	5	5	5	6	5	3	5	5	3	3	2	2	3.3	6.5
18-Mar-06	3	2	3	2	3	2	1	3	3	3	2	3	5	4	4	3	3	0	2	6	1	2	1	1	2.6	5.7
19-Mar-06	3	0	0	1	1	1	2	3	9	7	0	1	7	6	12	5	4	4	5	9	14	17	14	4	5.4	16.9
20-Mar-06	2	3	4	5	5	4	4	5	3	5	6	5	5	5	7	7	6	6	5	5	5	4	5	5	4.8	7.5
21-Mar-06	5	3	3	3	4	5	5	6	7	8	7	6	5	C	C	C	0	0	0	1	1	8	3	3	4.0	8.0
22-Mar-06	3	4	4	4	3	2	2	2	3	5	7	6	6	6	6	6	6	9	7	6	5	7	8	13	5.5	13.2
23-Mar-06	9	6	9	14	8	D	12	D	7	4	4	9	5	6	5	5	8	5	4	4	6	6	4	5	6.6	14.1
24-Mar-06	5	4	4	4	3	0	1	11	9	8	8	9	9	20	12	9	15	7	8	10	7	12	15	12	8.3	19.6
25-Mar-06	15	8	8	10	8	7	8	8	8	9	13	13	11	14	12	12	10	10	9	6	7	8	5	7	9.4	14.8
26-Mar-06	8	8	9	9	6	3	4	4	5	4	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2.6	9.5
27-Mar-06	1	0	0	0	0	0	0	0	1	1	0	0	0	1	4	1	2	9	8	4	0	1	0	1	1.4	8.9
28-Mar-06	1	0	3	2	1	2	2	4	1	2	1	1	2	1	1	1	2	1	2	2	2	2	2	10	2.0	10.1
29-Mar-06	41	21	4	6	3	2	25	8	0	1	2	2	4	4	4	4	4	4	5	6	6	6	5	4	7.1	41.2
30-Mar-06	2	4	4	4	3	3	3	5	5	3	2	3	1	0	0	1	2	2	1	5	3	3	3	4	2.8	5.5
31-Mar-06	2	2	2	1	1	1	2	3	1	1	2	1	D	0	0	0	0	0	30	57	15	0	0	1	5.4	56.8
Hourly Avg	6.2	4.0	4.0	3.5	2.9	2.8	3.7	3.8	5.0	4.9	4.7	4.6	4.3	4.8	4.6	4.8	3.7	5.2	6.4	7.9	6.2	5.0	5.6	6.3		
Hourly Max	41.2	21.4	15.0	14.1	9.2	9.1	25.3	10.8	22.8	16.1	15.5	22.3	11.4	19.6	14.8	19.8	14.6	47.7	35.3	56.8	62.7	29.7	38.1	19.8		

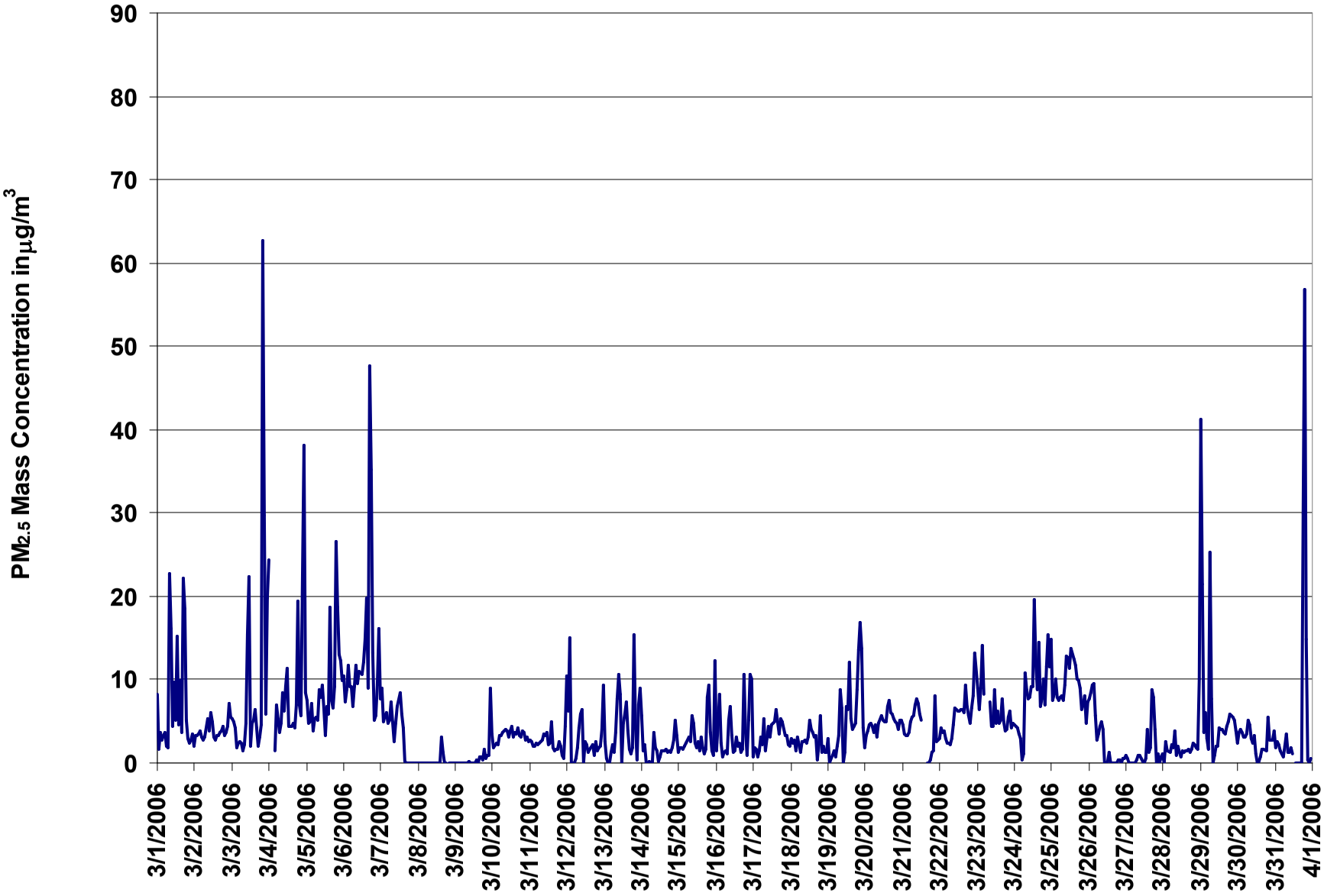


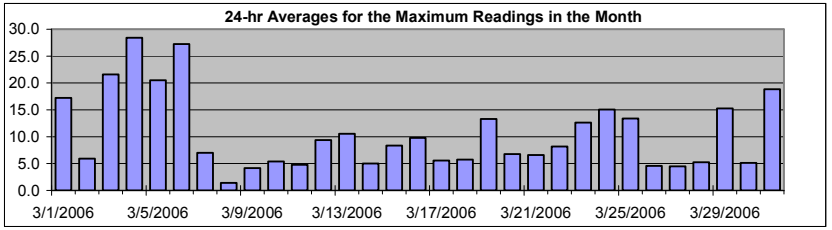
Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	229.7	µg/m³	4-Mar	22:00 23:00
Maximum 24-hr Value:	28.4	µg/m³	4-Mar	

AIC Time:	0 hrs	Operational Time:	734 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.1%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	77.7	32.4	10.9	5.9	3.7	0.9	0.0	10.5 / 6 µg/m³	8.6 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-Mar-06	13	6	7	6	4	5	4	5	39	25	14	17	11	37	9	27	5	75	75	10	6	4	4	5	17.2	75.4
2-Mar-06	4	5	5	5	6	4	4	4	8	7	10	13	4	4	5	5	5	5	6	5	5	7	9	7	5.9	12.8
3-Mar-06	7	6	7	3	4	4	4	5	4	14	30	49	4	6	8	8	7	4	6	16	125	110	44	43	21.6	125.2
4-Mar-06	75	D	D	D	9	10	8	5	9	15	9	25	39	7	6	6	6	5	9	55	38	10	230	20	28.4	229.7
5-Mar-06	29	12	9	12	7	11	8	8	13	14	13	22	12	11	10	38	19	13	15	71	58	34	36	18	20.5	70.9
6-Mar-06	22	12	14	20	13	12	11	13	20	13	12	13	13	17	32	29	20	190	54	29	8	7	28	52	27.2	190.0
7-Mar-06	21	18	12	10	10	7	10	11	9	6	8	11	12	11	6	4	0	1	0	0	0	0	0	0	7.0	20.9
8-Mar-06	0	1	0	0	0	1	1	2	4	2	3	1	0	2	4	8	3	0	0	D	0	0	0	0	1.4	8.2
9-Mar-06	0	2	1	0	0	0	1	1	1	4	1	2	3	4	3	3	4	3	2	3	2	2	2	54	4.1	54.2
10-Mar-06	12	5	4	4	5	4	5	7	8	5	4	5	6	5	6	5	6	5	4	5	5	4	4	4	5.4	11.8
11-Mar-06	4	4	3	3	3	3	3	4	4	5	6	7	5	5	14	4	4	3	3	5	4	3	6	9	4.8	14.2
12-Mar-06	21	18	50	2	1	1	4	5	7	8	10	7	5	3	3	5	10	2	8	3	3	6	11	31	9.4	49.8
13-Mar-06	9	2	2	3	4	4	5	8	17	21	29	6	7	12	17	10	3	3	4	36	14	2	20	16	10.5	36.5
14-Mar-06	10	5	5	3	3	2	2	2	9	8	4	2	2	4	4	3	3	2	3	3	3	8	28	6	5.0	28.5
15-Mar-06	3	3	3	3	4	4	4	4	14	20	8	5	5	4	6	3	3	13	26	19	8	6	2	31	8.3	30.7
16-Mar-06	5	8	23	10	2	2	3	2	13	11	7	3	4	7	4	8	3	5	18	22	3	26	23	25	9.8	25.6
17-Mar-06	3	4	3	2	3	5	4	8	5	4	6	6	7	6	7	11	10	5	10	6	5	5	4	4	5.6	11.0
18-Mar-06	4	5	4	4	5	4	3	4	4	5	6	6	14	12	6	6	6	2	4	17	4	6	4	4	5.7	17.2
19-Mar-06	7	4	4	7	6	4	5	6	22	17	11	3	17	17	26	14	7	9	11	12	33	36	31	12	13.3	36.0
20-Mar-06	5	6	6	7	6	6	5	8	8	6	8	6	7	8	10	9	8	8	7	6	7	5	6	7	6.8	9.6
21-Mar-06	6	5	5	5	5	6	6	7	8	9	8	8	7	C	C	C	1	1	2	2	3	37	4	4	6.6	37.1
22-Mar-06	4	5	5	5	5	4	4	3	5	7	8	8	8	10	9	9	9	15	9	7	7	11	15	26	8.2	26.0
23-Mar-06	18	17	17	30	19	D	25	D	23	6	9	13	8	8	7	8	11	13	7	8	8	8	6	10	12.6	29.6
24-Mar-06	6	7	5	5	5	4	9	13	11	10	13	12	13	65	17	13	28	10	10	12	9	32	33	18	15.1	65.3
25-Mar-06	31	13	12	16	17	9	11	9	12	11	14	15	13	15	15	14	19	17	11	9	10	13	6	9	13.4	30.7
26-Mar-06	12	11	12	13	10	7	6	6	7	7	3	0	1	2	3	1	1	0	2	2	1	0	2	1	4.6	12.9
27-Mar-06	2	2	1	1	1	1	1	1	2	2	2	1	1	5	11	3	4	19	19	17	2	4	2	2	4.5	19.5
28-Mar-06	3	1	8	3	3	6	7	7	3	4	3	2	3	3	4	3	3	5	3	4	3	3	3	39	5.2	38.5
29-Mar-06	91	33	18	19	8	4	79	20	3	4	5	4	6	6	7	6	6	7	7	7	7	7	7	6	15.3	90.6
30-Mar-06	5	6	6	6	5	5	5	7	7	5	4	5	3	2	2	4	6	4	3	11	5	4	6	8	5.1	11.2
31-Mar-06	3	4	4	3	3	2	4	6	3	3	4	5	D	0	2	1	2	4	184	137	39	12	4	4	18.8	184.0
Hourly Avg	14.0	7.7	8.5	6.9	5.7	4.9	8.1	6.4	9.6	9.0	8.8	9.1	7.9	10.0	8.7	8.9	7.1	14.5	16.8	18.0	13.7	13.3	18.7	15.3		
Hourly Max	90.6	33.2	49.8	29.6	18.6	12.4	78.8	20.1	39.4	25.2	29.9	49.2	39.1	65.3	32.2	38.3	28.2	190.0	184.0	137.2	125.2	109.5	229.7	54.2		

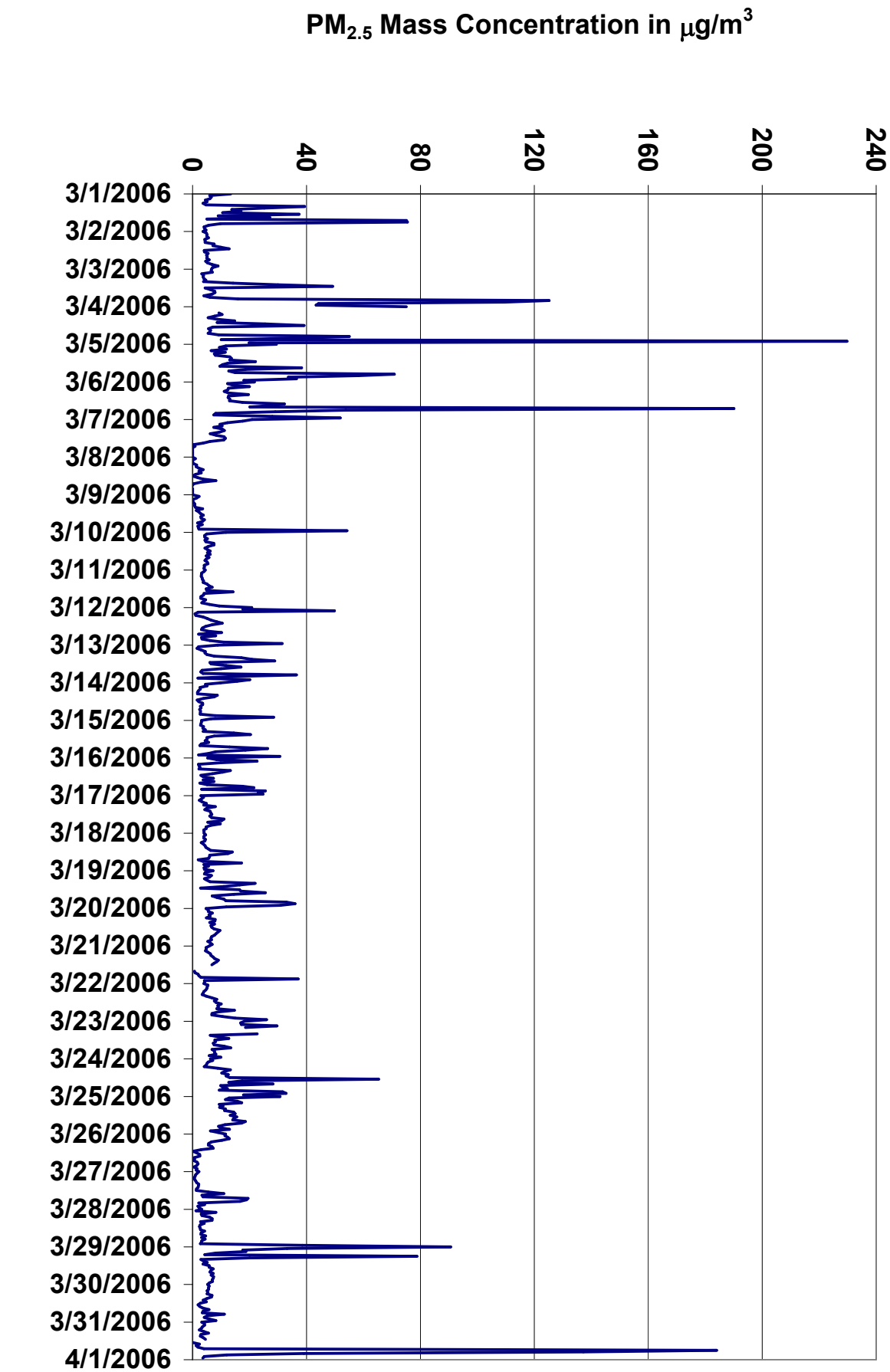
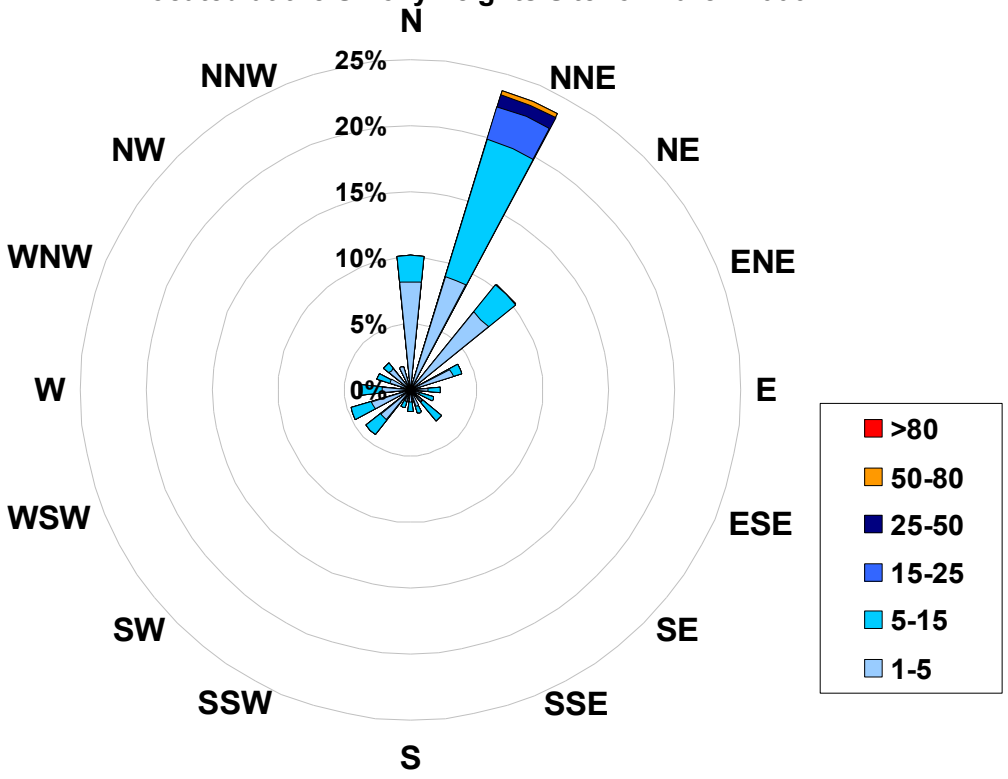


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 March 2006



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	492
5	to	15	212
15	to	25	20
25	to	50	8
50	to	80	2
	>	80	0
Total Non-Zero Values			734

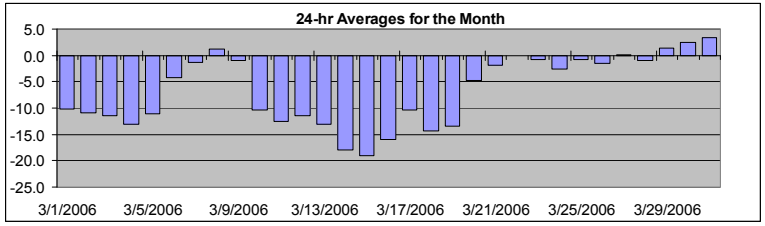
PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	8.9	°C	31-Mar	17:00 18:00
Maximum 24-hr Value:	3.4	°C	31-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	7.8	4.9	-0.6	-6.1	-12.7	-18.9	-21.3	-6.7 °C	-6.1 °C

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	-12	-12	-12	-12	-12	-12	-13	-14	-13	-12	-11	-9	-8	-8	-7	-6	-7	-9	-10	-10	-10	-9	-9	-10	-10.2	-6.1
2-Mar-06	-10	-11	-12	-13	-13	-15	-17	-17	-17	-15	-13	-10	-7	-7	-6	-6	-6	-7	-8	-10	-10	-11	-10	-11	-10.9	-6.0
3-Mar-06	-12	-12	-13	-12	-12	-12	-13	-13	-13	-12	-11	-9	-9	-9	-9	-8	-8	-10	-12	-13	-14	-14	-14	-14	-11.5	-7.8
4-Mar-06	-15	-16	-16	-16	-17	-16	-15	-16	-15	-14	-12	-10	-8	-7	-7	-7	-6	-8	-13	-13	-16	-15	-15	-17	-13.0	-6.3
5-Mar-06	-17	-19	-20	-17	-17	-18	-18	-20	-18	-15	-14	-9	-8	-6	-3	-3	-4	-4	-5	-5	-5	-6	-6	-6	-11.0	-3.3
6-Mar-06	-6	-8	-10	-12	-11	-10	-13	-13	-13	-9	-6	-4	-1	3	4	5	5	4	1	0	-2	-2	-1	-2	-4.3	4.9
7-Mar-06	-2	-2	-3	-6	-7	-8	-8	-9	-7	-5	-2	0	4	4	4	6	5	5	3	2	1	-1	-2	-3	-1.4	5.7
8-Mar-06	-3	-3	-3	-3	-4	-3	-3	-3	-2	1	3	5	7	7	7	5	4	2	2	2	3	3	2	2	1.2	6.8
9-Mar-06	1	1	1	2	2	1	0	0	-1	-2	-2	-1	0	0	0	0	0	0	-1	-3	-4	-6	-6	-7	-1.0	2.2
10-Mar-06	-8	-7	-9	-9	-9	-10	-11	-12	-11	-11	-10	-10	-10	-9	-10	-10	-10	-10	-11	-12	-12	-12	-12	-13	-10.4	-6.6
11-Mar-06	-13	-13	-13	-14	-14	-14	-14	-14	-14	-12	-12	-11	-10	-10	-10	-9	-9	-10	-12	-13	-14	-15	-17	-15	-12.6	-9.3
12-Mar-06	-16	-14	-13	-14	-16	-18	-19	-19	-17	-15	-13	-9	-8	-6	-4	-4	-4	-5	-7	-8	-9	-10	-12	-13	-11.4	-3.7
13-Mar-06	-14	-15	-15	-17	-18	-16	-18	-20	-17	-14	-11	-11	-7	-7	-8	-9	-9	-11	-12	-13	-13	-14	-15	-15	-13.1	-6.7
14-Mar-06	-16	-16	-17	-18	-19	-19	-20	-20	-20	-20	-19	-18	-17	-17	-16	-17	-16	-17	-17	-17	-18	-18	-19	-19	-17.9	-15.8
15-Mar-06	-20	-20	-20	-21	-21	-21	-21	-21	-21	-20	-20	-19	-18	-16	-16	-17	-17	-17	-18	-19	-19	-19	-19	-19	-19.0	-16.2
16-Mar-06	-18	-18	-18	-18	-18	-18	-18	-18	-18	-17	-16	-15	-14	-13	-13	-13	-13	-13	-14	-15	-17	-17	-15	-14	-16.0	-12.6
17-Mar-06	-15	-15	-14	-14	-14	-13	-13	-12	-13	-12	-11	-10	-7	-8	-6	-6	-6	-7	-8	-8	-8	-9	-10	-10	-10.3	-5.7
18-Mar-06	-10	-11	-11	-12	-13	-13	-14	-15	-14	-14	-13	-13	-13	-12	-12	-13	-13	-14	-15	-16	-18	-20	-21	-21	-14.2	-10.1
19-Mar-06	-21	-22	-22	-23	-23	-23	-23	-23	-19	-15	-12	-11	-8	-6	-5	-4	-5	-5	-6	-7	-8	-9	-10	-11	-13.5	-4.4
20-Mar-06	-9	-9	-9	-10	-10	-10	-10	-11	-9	-7	-5	-3	-2	0	1	1	2	1	0	-2	-2	-3	-3	-4	-4.7	1.8
21-Mar-06	-4	-4	-4	-5	-5	-4	-3	-3	-2	-2	-1	-1	0	0	0	0	1	1	1	0	0	-1	-2	-3	-1.8	0.6
22-Mar-06	-4	-3	-2	-2	-3	-3	-3	-3	-1	0	1	2	4	4	5	5	3	2	1	0	0	0	-1	-2	0.0	4.7
23-Mar-06	-3	-4	-4	-5	-5	-5	-6	-6	-5	-3	-1	2	3	3	4	4	5	5	4	3	1	0	-2	-3	-0.7	4.8
24-Mar-06	-4	-5	-5	-6	-6	-6	-6	-5	-4	-3	-2	-1	-1	-1	0	0	0	0	-1	-1	-1	-2	-2	-2	-2.5	0.3
25-Mar-06	-2	-3	-3	-3	-4	-4	-4	-4	-3	0	0	0	0	2	3	4	5	5	2	0	-1	-2	-4	-4	-0.8	5.0
26-Mar-06	-5	-6	-5	-7	-8	-8	-9	-8	-6	-3	0	2	3	4	5	5	5	4	3	1	0	-1	-1	-2	-1.5	5.2
27-Mar-06	-2	-2	-2	-2	-2	-4	-4	-4	-3	-1	1	3	4	5	6	5	5	4	3	2	-1	-3	-2	-3	0.1	5.5
28-Mar-06	-2	-3	-5	-5	-5	-5	-4	-2	-1	-1	1	1	3	4	4	4	4	3	1	0	-2	-3	-3	-4	-0.9	4.0
29-Mar-06	-4	-4	-4	-4	-4	-4	-5	-4	-2	-1	1	4	5	6	8	8	9	8	6	4	3	3	3	2	1.4	8.7
30-Mar-06	1	-1	-1	-2	-2	-3	-3	-3	0	2	2	4	5	6	7	8	8	8	6	5	3	3	3	3	2.5	8.0
31-Mar-06	1	0	0	-1	-2	-2	-3	-1	1	3	6	7	7	8	8	8	8	9	8	5	4	2	2	2	3.4	8.9
Hourly Avg	-8.5	-8.9	-9.2	-9.7	-10.1	-10.3	-10.7	-10.8	-9.6	-8.0	-6.5	-4.9	-3.6	-2.8	-2.2	-2.0	-2.1	-2.8	-4.1	-5.2	-6.1	-6.7	-7.2	-7.8		
Hourly Max	1.2	1.2	0.9	1.8	2.2	1.5	0.5	-0.5	1.3	3.4	6.0	7.2	7.3	7.5	7.8	8.2	8.7	8.9	7.6	5.3	4.1	2.9	3.2	2.7		

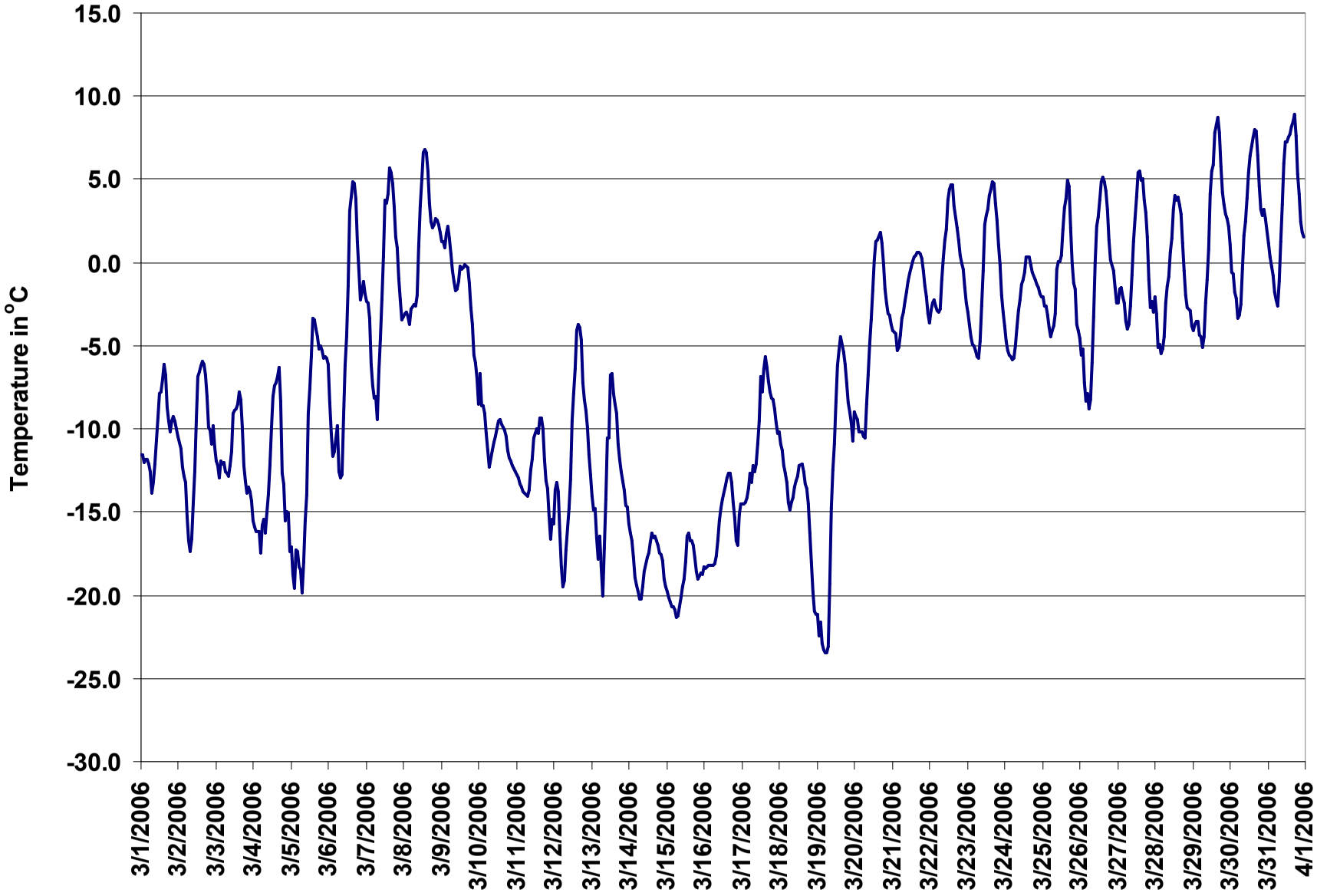


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

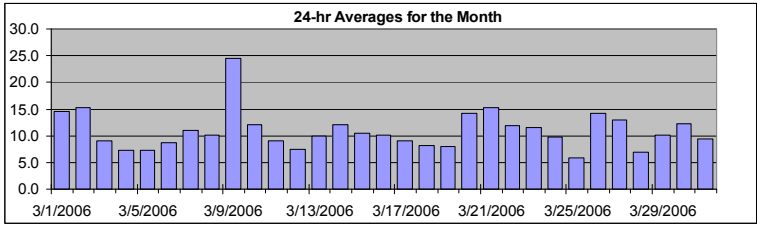
PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

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



Summary

Maximum 1-hr Average:	40.3	km/hr	9-Mar	13:00 14:00
Maximum 24-hr Value:	24.5	km/hr	9-Mar	

Calm Time:	0 hrs	**0%** calms	Operational Time: 744 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1	AverageS
	31.7	20.1	13.5	10.5	7.3	3.7	2.3	10.9 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-Mar-06	16	20	15	16	15	13	15	15	13	14	16	11	12	12	12	12	14	15	13	18	15	15	17	14	14.5	20.2
2-Mar-06	17	15	16	15	14	12	13	14	15	15	14	15	15	18	20	20	20	20	18	13	11	9	17	12	15.3	20.0
3-Mar-06	12	11	8	10	9	7	8	8	9	9	9	6	7	7	9	10	9	11	11	12	9	10	9	7	9.1	12.4
4-Mar-06	6	7	8	7	8	9	11	7	8	8	8	6	9	9	9	6	5	9	7	8	5	5	6	4	7.3	11.1
5-Mar-06	4	4	4	2	4	7	7	6	5	6	5	2	4	4	2	7	11	11	14	15	14	14	12	11	7.3	14.9
6-Mar-06	8	6	3	5	10	8	8	9	5	9	8	9	6	3	4	10	12	11	13	13	14	12	12	12	8.8	14.1
7-Mar-06	11	10	7	5	5	3	4	8	9	9	9	8	7	14	17	13	14	11	14	19	22	17	15	14	11.0	21.8
8-Mar-06	13	11	4	4	4	4	5	4	8	9	10	13	13	11	16	20	15	11	10	10	13	13	12	7	10.0	20.4
9-Mar-06	3	5	7	15	24	29	28	28	33	35	39	37	35	40	34	34	29	25	25	20	19	18	17	9	24.5	40.3
10-Mar-06	8	11	9	13	12	8	7	5	11	20	19	15	15	15	17	15	11	8	9	6	6	13	18	19	12.0	19.9
11-Mar-06	21	19	18	16	16	13	10	4	5	4	5	6	6	6	7	8	10	8	7	8	5	6	5	5	9.1	20.6
12-Mar-06	7	8	9	7	7	6	3	2	3	2	2	3	7	10	11	13	11	12	12	12	11	9	8	5	7.5	12.7
13-Mar-06	4	6	3	4	7	5	4	4	3	4	3	7	12	13	18	16	12	13	13	14	13	19	18	22	9.9	22.0
14-Mar-06	19	17	14	15	14	12	10	11	10	9	11	12	13	12	11	11	13	12	12	10	9	12	13	12	12.1	19.2
15-Mar-06	14	12	12	9	4	7	8	9	9	11	12	13	11	11	10	13	13	12	11	11	10	10	10	10	10.5	13.5
16-Mar-06	11	11	10	10	9	9	9	7	8	7	8	10	10	9	9	11	11	10	11	12	6	11	16	18	10.2	17.6
17-Mar-06	17	16	16	12	8	5	6	5	7	7	9	5	3	7	4	6	11	10	11	13	12	9	11	11	9.1	16.5
18-Mar-06	10	13	9	12	8	8	11	13	9	8	8	9	12	13	12	7	7	7	5	5	3	3	4	2	8.2	13.1
19-Mar-06	2	3	2	2	2	2	5	3	3	2	6	10	12	14	11	11	13	15	16	15	16	13	10	6	8.1	15.6
20-Mar-06	11	13	16	9	10	12	9	8	8	11	16	22	21	15	16	16	15	19	20	19	17	14	12	13	14.3	22.0
21-Mar-06	14	14	13	11	10	12	11	13	15	16	16	16	20	21	25	24	20	20	17	12	11	13	10	11	15.3	24.5
22-Mar-06	11	12	12	10	9	8	7	10	10	11	12	10	11	14	13	14	16	13	13	16	14	14	13	10	11.9	16.3
23-Mar-06	7	8	7	7	8	8	9	10	12	9	7	5	7	10	13	14	15	18	23	24	18	13	11	10	11.5	24.2
24-Mar-06	9	11	9	9	10	9	8	9	9	8	8	8	11	11	12	13	12	11	11	12	14	11	4	3	9.7	14.3
25-Mar-06	5	5	5	4	5	4	5	6	5	4	12	11	12	6	9	7	3	4	4	6	5	8	5	4	5.9	11.6
26-Mar-06	9	12	10	10	7	8	10	11	7	7	10	15	21	19	20	23	23	21	17	15	17	16	16	15	14.1	23.1
27-Mar-06	15	15	14	14	15	12	12	15	18	18	20	23	18	14	15	14	11	10	7	7	3	5	10	9	13.0	22.6
28-Mar-06	10	6	5	5	4	5	6	6	7	8	5	7	6	7	10	8	7	9	11	9	8	6	6	6	7.0	10.5
29-Mar-06	8	6	8	11	10	11	11	11	12	10	9	6	9	10	5	7	7	10	14	14	13	14	17	13	10.2	17.3
30-Mar-06	9	6	7	5	7	9	7	10	12	16	17	17	19	20	22	23	19	12	9	9	6	9	12	12	12.2	23.2
31-Mar-06	13	14	11	13	10	10	10	9	8	7	3	4	8	12	13	12	10	5	6	10	12	10	8	7	9.4	14.1
1-hr Average	10.4	10.5	9.3	9.3	9.1	8.9	8.9	9.0	9.6	10.1	10.9	10.9	12.0	12.5	13.1	13.5	12.8	12.4	12.4	12.4	11.3	11.4	11.5	10.1		
Hourly Max	20.6	20.2	17.7	16.5	24.1	29.3	27.6	28.1	33.4	35.0	38.6	37.1	34.5	40.3	34.2	34.2	29.0	24.5	24.9	24.2	21.8	19.2	17.6	22.0		

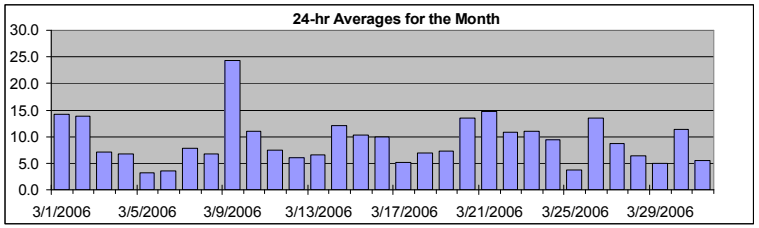
PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	40.1	km/hr	9-Mar	13:00 14:00
Maximum 24-hr Value:	24.3	km/hr	9-Mar	

Calm Time:	4 hrs	**1%** calms	
Calibration Time:	0 hrs		
Operational Time:	740 hrs		
AMD Operational Uptime:	100.0%		

Percentile	99	95	75	50	25	5	1	AverageV
	31.7	20.0	13.4	10.2	7.0	2.8	1.7	3.5 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-Mar-06	16	20	15	16	14	13	15	15	13	14	16	11	11	12	12	12	14	15	13	18	15	15	17	13	14.2	20.1
2-Mar-06	17	15	15	15	14	12	13	14	15	15	14	14	14	18	19	20	20	20	18	13	11	8	17	11	13.8	19.9
3-Mar-06	12	11	8	10	9	7	8	8	9	9	9	6	6	7	9	10	9	11	11	12	9	10	9	7	7.1	12.4
4-Mar-06	6	7	8	7	8	9	11	7	8	8	8	6	9	9	9	6	5	9	6	8	5	5	6	3	6.7	11.1
5-Mar-06	4	calm	4	2	3	7	7	6	5	6	5	2	4	4	1	7	11	11	14	15	14	14	12	11	3.2	14.9
6-Mar-06	8	6	2	3	9	7	8	9	5	9	8	9	6	2	3	10	12	11	13	13	14	12	12	12	3.6	14.0
7-Mar-06	11	9	7	5	4	3	3	7	9	9	9	8	7	13	17	12	14	11	14	19	22	17	15	14	7.7	21.7
8-Mar-06	13	5	3	4	4	3	5	3	8	8	10	12	13	10	16	20	14	10	10	10	13	13	12	7	6.7	20.2
9-Mar-06	3	5	7	15	24	29	28	28	33	35	39	37	34	40	34	34	29	25	25	20	19	18	17	8	24.3	40.1
10-Mar-06	8	10	8	12	12	5	7	4	11	20	18	15	15	15	17	15	10	7	9	4	5	12	18	19	11.0	19.8
11-Mar-06	20	19	18	16	15	13	10	3	4	3	5	6	6	6	5	8	10	8	7	8	5	6	5	4	7.4	20.5
12-Mar-06	7	8	8	7	7	6	3	2	3	2	2	2	7	10	10	12	11	12	12	12	11	9	8	5	6.1	12.4
13-Mar-06	3	6	2	3	7	5	3	3	3	3	1	6	12	13	17	15	12	13	13	14	13	19	17	22	6.6	22.0
14-Mar-06	19	17	14	14	13	12	10	11	10	9	11	11	13	12	11	11	12	12	12	9	9	12	13	12	12.0	19.1
15-Mar-06	13	11	12	9	4	7	8	9	9	11	12	13	11	11	10	13	13	11	11	11	10	10	10	10	10.2	13.4
16-Mar-06	11	11	10	10	9	9	9	7	7	7	8	10	10	9	9	11	11	10	11	12	6	11	16	18	10.0	17.5
17-Mar-06	16	16	16	12	8	3	6	4	7	6	9	5	2	6	4	3	11	10	10	13	12	9	11	11	5.2	16.4
18-Mar-06	10	13	9	12	7	8	10	13	9	7	8	8	12	13	11	4	4	6	5	4	calm	2	4	2	6.9	12.7
19-Mar-06	calm	3	2	2	2	calm	5	1	3	2	6	10	12	13	11	11	13	15	16	15	15	13	10	5	7.3	15.6
20-Mar-06	11	13	16	9	10	12	9	8	8	11	16	22	21	15	16	16	15	19	20	19	17	14	12	13	13.5	21.9
21-Mar-06	14	14	13	11	10	11	11	13	15	16	16	16	20	21	24	24	19	20	17	12	11	13	10	11	14.7	24.4
22-Mar-06	11	12	12	10	9	8	7	10	10	11	11	10	10	14	13	14	15	13	13	16	14	14	13	10	10.9	16.2
23-Mar-06	7	8	7	7	8	8	9	10	12	9	7	5	7	10	13	14	15	17	23	24	18	13	11	10	11.0	24.2
24-Mar-06	9	11	9	9	10	9	8	9	9	8	8	8	11	11	12	13	12	11	11	12	14	11	2	2	9.3	14.3
25-Mar-06	5	4	5	3	5	2	2	6	3	4	11	11	11	5	8	6	2	4	4	4	4	8	5	4	3.7	11.5
26-Mar-06	9	12	7	10	7	8	9	9	7	7	9	15	21	19	20	23	23	21	17	15	17	16	16	15	13.4	23.0
27-Mar-06	15	15	14	14	15	12	12	15	18	18	20	23	18	11	14	14	11	10	7	7	2	5	9	8	8.7	22.5
28-Mar-06	8	5	4	5	2	4	5	5	7	8	5	7	6	7	9	8	7	9	10	9	8	6	6	6	6.4	10.4
29-Mar-06	8	5	8	11	10	11	11	11	12	10	8	5	6	10	5	7	7	10	14	14	13	14	17	13	4.9	17.3
30-Mar-06	5	5	7	5	6	9	6	10	12	16	17	17	19	20	22	23	18	11	9	8	6	9	12	12	11.4	23.0
31-Mar-06	13	14	10	13	10	10	10	9	8	7	2	1	8	11	13	12	9	5	6	10	11	9	8	7	5.5	14.0
1-hr Vector	5.1	5.1	4.1	3.5	2.9	2.4	2.9	2.6	2.0	1.6	1.6	1.6	1.7	3.0	3.9	4.2	5.0	5.6	6.1	6.7	5.4	5.1	4.1	4.2		
Hourly Max	20.5	20.1	17.6	16.4	24.0	29.2	27.6	28.1	33.4	35.0	38.5	37.0	34.4	40.1	34.2	34.1	28.9	24.5	24.9	24.2	21.7	19.1	17.5	22.0		

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	**0%** calms				Operational Time:			744 hrs																	
Calibration Time:	0 hrs					AMD Operational Uptime:			100.0%																	
Percentile	99	95	75	50	25	5	1	Average																		
	358.7	335.7	252.4	89.4	27.0	7.8	2.1	3 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-Mar-06	24	34	28	32	26	25	32	27	20	26	36	18	19	15	6	10	15	25	20	29	35	44	56	53	28	NNE
2-Mar-06	62	48	60	70	80	59	45	42	31	35	26	43	43	37	46	49	54	55	55	63	68	75	139	136	56	ENE
3-Mar-06	116	91	52	56	53	56	36	22	27	26	30	27	121	153	136	124	48	36	36	36	24	27	26	19	54	NE
4-Mar-06	17	29	27	14	24	31	33	27	40	31	44	19	28	8	343	313	352	345	302	22	9	12	28	32	16	NNE
5-Mar-06	37	110	271	179	232	232	247	249	241	223	258	214	134	101	325	18	31	25	19	21	20	16	21	19	7	N
6-Mar-06	17	18	87	224	233	228	213	227	277	252	242	271	266	320	353	24	30	21	21	25	36	23	16	28	352	N
7-Mar-06	31	25	6	40	33	297	279	242	227	233	189	187	204	244	251	252	250	260	266	271	264	263	254	242	257	WSW
8-Mar-06	278	253	224	308	232	200	245	258	203	210	182	167	175	192	214	221	219	148	94	96	125	140	151	186	191	S
9-Mar-06	268	253	223	250	259	262	262	263	267	263	265	263	261	263	258	262	265	261	262	265	266	271	275	292	263	W
10-Mar-06	324	320	286	289	270	220	262	270	310	309	304	298	319	325	323	328	311	303	319	293	302	335	336	338	310	NW
11-Mar-06	336	328	323	321	330	334	332	314	312	296	220	244	250	256	7	37	28	4	354	349	354	355	358	28	334	NNW
12-Mar-06	29	9	11	26	41	30	37	179	218	190	231	274	24	23	43	37	55	43	55	74	79	70	38	72	44	NE
13-Mar-06	225	229	247	240	254	264	315	277	270	159	89	120	40	35	22	12	6	355	3	19	15	14	16	24	10	N
14-Mar-06	19	21	20	6	355	356	358	355	9	15	12	8	4	3	359	358	359	355	1	4	8	5	1	3	5	N
15-Mar-06	2	0	358	350	8	23	18	23	26	36	34	32	32	32	7	359	359	3	18	18	10	8	12	19	14	NNE
16-Mar-06	7	14	10	7	0	359	359	2	16	17	16	30	31	22	7	6	2	6	23	1	27	32	19	28	14	NNE
17-Mar-06	34	36	32	42	41	73	226	252	130	213	243	258	253	270	245	319	8	359	9	8	5	357	355	360	6	N
18-Mar-06	17	23	15	356	3	3	12	353	12	353	349	360	30	30	22	258	241	38	9	8	1	35	279	280	6	N
19-Mar-06	241	299	263	288	79	328	289	25	40	48	30	26	27	30	18	15	20	27	23	23	29	25	26	45	22	NNE
20-Mar-06	138	142	147	174	171	168	171	170	170	159	147	147	149	147	135	137	131	131	129	126	119	113	100	108	140	SE
21-Mar-06	103	96	86	74	85	84	84	106	119	121	119	115	124	129	121	122	117	109	102	95	99	101	89	70	107	ESE
22-Mar-06	70	65	64	61	53	45	21	36	59	90	130	103	67	45	38	40	40	24	26	30	41	44	47	40	51	NE
23-Mar-06	19	30	21	19	17	15	21	23	30	31	33	27	12	14	12	15	24	45	56	59	61	46	43	39	34	NE
24-Mar-06	39	37	40	57	61	58	42	34	34	34	27	22	21	20	25	20	17	4	3	17	11	15	23	39	27	NNE
25-Mar-06	30	61	3	291	360	64	298	295	105	211	232	276	283	258	278	277	318	267	309	279	276	292	297	191	286	WNW
26-Mar-06	262	283	257	220	258	252	232	244	206	196	207	244	248	259	254	254	264	266	268	268	270	268	268	269	255	WSW
27-Mar-06	275	256	251	236	245	253	255	252	253	252	247	245	257	294	13	11	15	9	26	15	63	205	233	258	268	W
28-Mar-06	332	341	42	23	330	9	39	71	47	48	34	23	22	33	31	21	10	25	25	26	34	57	64	40	28	NNE
29-Mar-06	29	30	21	29	28	22	25	26	32	33	29	43	134	154	141	139	137	143	151	142	136	163	172	166	98	E
30-Mar-06	168	235	208	205	232	225	222	223	235	237	245	247	253	259	255	267	274	267	243	259	212	232	221	241	243	WSW
31-Mar-06	258	282	273	273	271	243	234	222	218	239	278	228	249	240	253	255	242	249	40	24	25	31	31	33	268	W
Hourly Avg	15	13	13	359	345	343	332	327	344	311	295	301	337	336	344	345	359	14	21	24	28	22	18	21		

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

Station: Smoky Heights
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 744 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	44.0	28.3	10.9	6.4	4.4	2.7	2.0

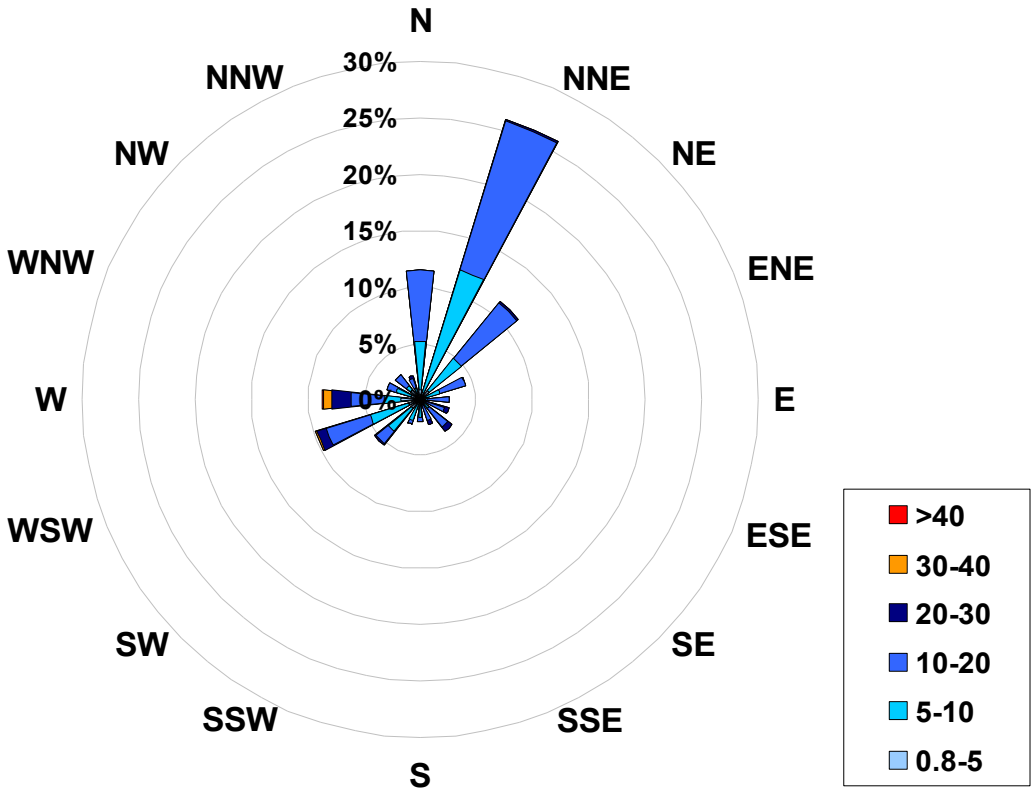
Status Flag Characters

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-Mar-06	3	3	4	4	4	4	3	3	4	4	4	6	6	6	6	6	4	2	3	2	3	6	5	7	6.5
2-Mar-06	7	5	9	7	5	4	4	4	2	3	5	5	4	5	7	5	5	4	4	4	6	11	5	6	10.6
3-Mar-06	5	8	9	7	7	10	16	9	4	4	4	9	21	8	7	17	9	4	2	4	4	4	4	7	20.7
4-Mar-06	6	6	3	4	4	4	4	9	9	4	6	18	4	8	8	18	16	10	24	9	9	5	6	12	24.1
5-Mar-06	9	28	9	29	18	24	7	8	5	4	4	19	13	16	48	11	4	3	3	4	4	4	7	10	48.2
6-Mar-06	8	9	29	35	10	10	8	7	20	11	7	7	11	42	24	4	5	3	3	5	7	7	5	4	41.7
7-Mar-06	5	8	23	19	15	24	13	8	12	21	14	18	18	10	4	7	2	8	3	3	2	4	5	8	24.1
8-Mar-06	6	34	15	9	22	44	16	32	16	21	8	7	8	11	5	6	6	7	8	5	8	6	7	14	44.0
9-Mar-06	23	23	18	3	3	4	3	3	3	2	2	3	4	3	4	4	3	3	2	2	1	2	3	18	23.0
10-Mar-06	18	10	9	9	8	31	19	28	8	6	7	7	12	13	9	10	14	25	13	42	31	13	5	4	41.5
11-Mar-06	4	4	4	5	4	6	10	54	17	47	19	7	8	14	19	5	7	7	4	2	6	5	8	13	54.0
12-Mar-06	7	4	4	5	4	5	18	15	12	30	12	23	8	5	11	10	12	4	5	4	8	7	6	11	29.9
13-Mar-06	22	9	16	23	8	18	25	17	26	24	49	24	5	6	5	6	7	4	5	5	6	4	4	4	49.0
14-Mar-06	4	5	5	8	5	6	8	6	11	11	8	9	8	8	12	10	8	7	7	7	5	6	6	6	12.0
15-Mar-06	6	6	6	7	11	9	6	5	7	5	5	6	5	5	12	8	8	7	6	5	5	6	5	7	12.0
16-Mar-06	6	6	7	6	7	8	6	8	9	13	11	8	5	11	13	9	7	7	6	6	11	5	4	3	13.3
17-Mar-06	5	6	4	4	6	17	5	12	12	12	6	13	34	12	9	24	6	7	5	4	5	8	6	8	34.2
18-Mar-06	10	10	9	6	10	8	10	5	13	14	13	14	7	6	24	40	32	8	7	22	62	19	12	16	62.4
19-Mar-06	37	9	28	15	13	41	3	24	8	16	4	4	4	6	6	6	4	3	3	3	3	2	6	17	41.0
20-Mar-06	4	3	3	4	3	3	3	4	6	4	6	5	6	6	8	6	7	5	4	5	4	5	5	4	7.8
21-Mar-06	2	2	3	5	5	4	5	5	4	5	6	7	7	8	5	5	5	7	6	7	8	8	12	6	11.5
22-Mar-06	5	6	5	4	5	5	5	4	9	9	11	11	19	11	8	5	9	6	6	3	3	4	4	6	19.0
23-Mar-06	5	6	5	4	5	4	3	4	2	4	4	11	12	8	5	5	5	6	3	3	3	4	4	4	11.5
24-Mar-06	5	2	4	5	5	5	6	3	5	6	6	7	6	6	5	7	7	6	6	5	4	6	39	31	39.3
25-Mar-06	42	14	6	31	11	50	21	11	24	30	10	4	6	14	8	10	28	21	19	31	17	5	9	24	50.3
26-Mar-06	7	3	17	7	9	9	12	11	6	5	10	6	3	4	4	4	4	3	3	2	2	2	2	3	16.9
27-Mar-06	3	3	3	3	3	4	2	2	2	2	3	3	5	12	8	7	8	7	9	10	19	15	8	15	19.2
28-Mar-06	12	41	43	18	45	43	37	27	17	8	26	11	17	21	16	16	18	7	4	4	3	7	12	9	44.9
29-Mar-06	4	6	4	4	3	4	5	4	4	4	7	17	28	11	23	18	16	8	4	4	7	6	4	4	28.3
30-Mar-06	44	39	10	14	7	13	10	8	7	5	4	4	4	6	5	5	5	7	7	11	7	7	5	7	44.0
31-Mar-06	3	4	17	8	5	5	4	6	8	10	36	42	20	12	6	6	10	20	10	4	4	4	3	6	41.8
Hourly Max	44	41	43	35	45	50	37	54	26	47	49	42	34	42	48	40	32	25	24	42	62	19	39	31	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	80
5	to	10	265
10	to	20	360
20	to	30	31
30	to	40	7
	>	40	1
Total Non-Zero Values			744

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: March 1, 2006 to April 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:	682
Number of 1-hr Fair Readings:	7
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-Mar-06	17	16	16	N	12	13	14	16	13	15	16	17	17	16	17	17	17	18	18	19	19	19	19	19
2-Mar-06	19	18	18	N	18	18	17	17	16	16	17	17	18	17	17	17	18	18	18	18	18	17	15	15
3-Mar-06	14	14	13	N	13	13	12	12	12	13	13	14	14	14	14	15	14	13	12	11	11	13	10	7
4-Mar-06	6	7	6	N	14	8	7	7	9	10	11	13	13	14	15	16	15	11	9	12	14	12	11	11
5-Mar-06	11	11	10	N	7	7	8	7	9	14	11	13	10	11	11	10	10	10	11	10	11	10	10	10
6-Mar-06	10	10	11	N	9	9	10	9	12	10	11	12	14	12	16	16	18	21	22	19	19	21	21	19
7-Mar-06	19	18	16	N	12	11	10	12	10	8	N	N	16	18	21	N	N	N	N	N	19	N	N	18
8-Mar-06	18	18	19	N	15	N	14	N	12	3	N	N	N	N	N	N	N	N	N	N	N	N	15	17
9-Mar-06	16	11	N	20	N	21	22	23	23	23	23	24	24	24	24	24	24	23	23	22	21	19	19	22
10-Mar-06	20	18	17	17	N	17	16	17	17	17	18	18	18	18	18	17	17	16	15	15	14	14	14	14
11-Mar-06	14	14	13	13	N	13	13	13	13	13	13	14	14	15	15	16	17	16	15	14	15	15	13	14
12-Mar-06	11	13	14	12	N	12	9	5	9	10	12	12	14	15	15	16	17	17	16	17	17	12	14	16
13-Mar-06	13	14	15	10	N	6	9	10	12	14	17	15	14	13	14	13	12	12	9	9	9	9	9	10
14-Mar-06	10	11	12	12	N	12	13	13	14	15	16	16	15	15	15	14	14	14	13	12	11	11	11	12
15-Mar-06	13	13	11	11	N	11	11	11	12	12	13	13	13	13	13	13	13	12	11	11	11	11	11	9
16-Mar-06	9	9	9	8	N	8	8	8	9	11	11	12	12	12	13	13	12	13	10	11	11	11	11	10
17-Mar-06	7	8	9	8	N	7	8	7	9	10	11	12	13	13	13	13	13	12	12	11	12	12	12	13
18-Mar-06	13	13	12	12	N	12	12	12	12	12	12	13	13	14	14	14	14	14	14	13	13	12	8	11
19-Mar-06	11	10	10	12	N	8	6	7	9	11	12	13	13	15	15	15	14	15	14	14	13	15	14	14
20-Mar-06	11	7	13	12	N	10	10	11	12	12	11	13	16	18	19	22	24	24	23	22	21	21	21	20
21-Mar-06	20	19	19	20	N	21	21	19	15	14	13	17	18	20	22	21	21	21	21	20	20	20	19	19
22-Mar-06	19	20	20	20	N	18	18	14	10	12	14	17	18	18	19	19	19	17	22	21	21	23	19	15
23-Mar-06	19	19	17	13	N	14	7	8	9	12	12	14	16	19	20	21	22	22	23	23	25	25	24	21
24-Mar-06	18	16	16	15	N	12	12	11	11	11	13	13	14	14	13	13	13	12	10	10	12	13	11	12
25-Mar-06	11	10	10	9	N	9	11	11	13	15	13	12	12	14	15	16	16	16	13	12	14	18	19	18
26-Mar-06	17	16	14	10	N	17	17	17	16	13	16	19	22	22	23	23	23	22	22	21	20	19	19	20
27-Mar-06	19	19	19	19	N	20	19	19	19	20	23	23	23	24	24	24	23	22	22	21	21	15	16	15
28-Mar-06	15	20	19	18	N	15	10	14	15	14	15	21	22	23	24	24	25	25	24	22	22	21	22	22
29-Mar-06	20	20	20	20	N	21	19	15	13	17	19	19	20	20	22	23	24	24	20	17	19	12	15	15
30-Mar-06	17	20	20	14	N	12	12	14	10	15	19	23	25	26	26	25	25	24	23	21	21	19	18	18
31-Mar-06	16	16	16	16	N	15	14	15	14	16	18	21	24	26	27	28	28	27	25	25	24	24	25	25

PASZA – Beaverlodge - Sulphur Dioxide Monthly Summary

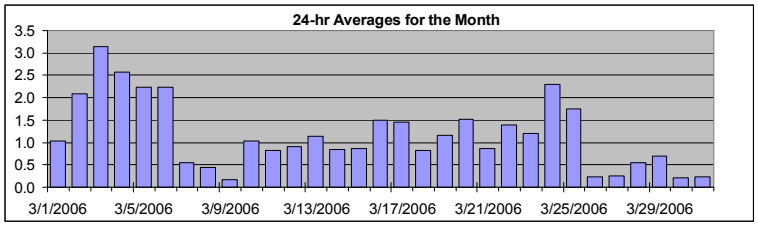
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

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

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



Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	7.4	ppb	10-Mar	16:00 17:00
Maximum 24-hr Average:	3.1	ppb	3-Mar	

AIC Time:	33 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	4.0	3.0	1.6	1.0	0.5	0.1	0.0	1.2 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-Mar-06	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1.0	1.6
2-Mar-06	2	2	1	A	1	2	2	2	2	2	3	2	2	4	5	3	2	1	1	1	1	2	2	2	2.1	5.1
3-Mar-06	2	2	2	A	2	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	2	2	3.1	4.2
4-Mar-06	2	2	2	A	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3	2.6	3.2
5-Mar-06	2	2	2	A	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	2.2	3.4
6-Mar-06	4	4	4	A	4	4	4	3	3	3	3	2	1	2	2	2	2	1	1	1	1	1	1	1	2.2	4.3
7-Mar-06	1	1	1	A	1	1	1	1	1	1	M	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	1.5
8-Mar-06	0	0	0	A	1	1	1	1	1	1	1	A	C	C	A	0	0	0	0	0	1	0	0	0	0.4	1.0
9-Mar-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
10-Mar-06	0	1	1	1	A	0	1	1	1	2	2	1	1	0	0	1	7	1	0	0	0	0	0	0	1.0	7.4
11-Mar-06	0	0	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2
12-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
13-Mar-06	1	1	1	1	A	1	1	1	1	2	2	2	2	1	2	1	1	1	2	1	1	1	1	1	1.1	2.3
14-Mar-06	0	0	0	0	A	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0	0	0.8	2.0
15-Mar-06	0	0	2	2	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.9
16-Mar-06	2	2	2	1	A	1	1	1	2	1	1	2	2	1	2	3	2	1	1	1	1	1	2	2	1.5	2.8
17-Mar-06	1	1	1	1	A	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1.5	2.2
18-Mar-06	1	1	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	2.0
19-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1.2	1.8
20-Mar-06	2	1	1	1	A	1	1	1	1	1	2	3	3	3	3	2	2	2	1	1	1	1	1	1	1.5	2.8
21-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
22-Mar-06	2	2	1	1	A	1	1	2	1	2	2	1	1	1	1	1	1	1	2	3	2	1	1	1	1.4	2.7
23-Mar-06	1	1	1	1	A	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	0	1	1	1.2	1.8
24-Mar-06	2	2	2	2	A	2	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	6	3	3	2.3	5.6
25-Mar-06	3	3	2	2	A	1	2	2	2	2	2	2	2	1	2	2	2	3	1	2	2	1	1	0	1.7	3.4
26-Mar-06	0	1	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
27-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.2	1.0
28-Mar-06	0	0	0	0	A	0	1	1	1	1	1	0	1	2	1	1	0	0	0	0	0	0	0	0	0.6	1.6
29-Mar-06	1	0	0	1	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.2
30-Mar-06	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
31-Mar-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
Hourly Avg	1.1	1.1	1.1	N	N	1.0	1.0	1.1	1.2	1.3	1.3	1.3	1.2	1.4	1.4	1.3	1.4	1.2	1.1	1.0	1.1	1.1	1.1	1.1		
Hourly Max	3.8	4.3	3.8	2.4	3.7	3.7	4.0	4.2	4.1	3.9	3.8	3.8	3.6	4.0	5.1	3.4	7.4	3.0	2.9	2.8	3.4	5.6	3.0	3.1		

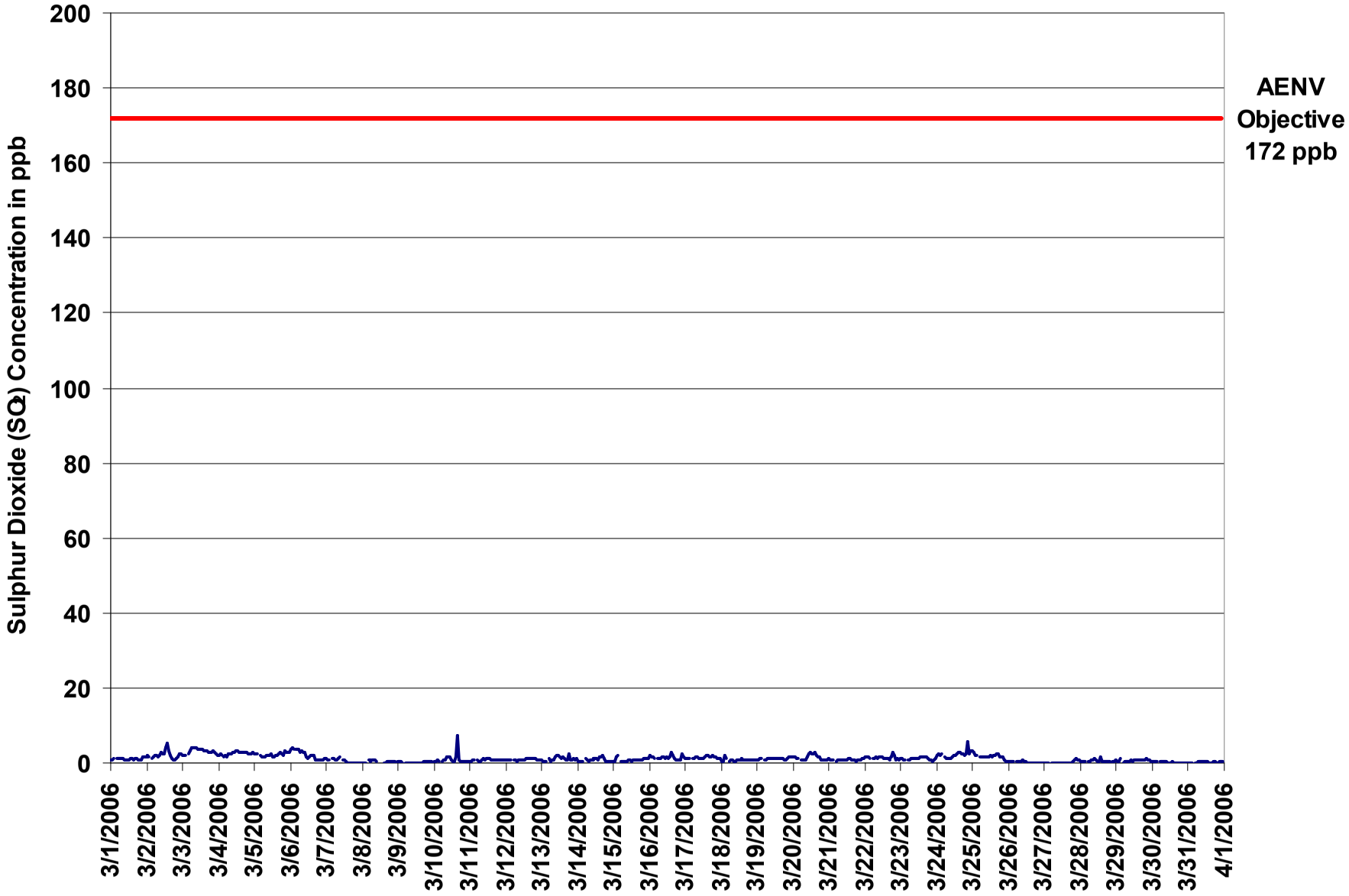


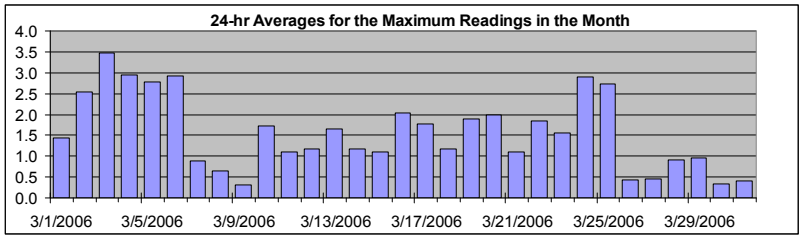
Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO_2)

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



Summary

Maximum 1-hr Value:	12.3	ppb	10-Mar	16:00 17:00
Maximum 24-hr Value:	3.5	ppb	3-Mar	

AIC Time:	33 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	5.5	3.7	2.1	1.3	0.7	0.2	0.1	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-Mar-06	1	1	3	A	2	1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1.4	3.2
2-Mar-06	2	2	2	A	2	2	2	2	2	3	3	3	3	5	6	4	2	2	1	1	1	2	3	3	2.5	5.5
3-Mar-06	2	2	2	A	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	3	3.5	4.4
4-Mar-06	3	3	3	A	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.9	3.4
5-Mar-06	3	3	3	A	2	2	2	2	2	3	3	3	2	2	2	2	3	3	3	3	5	4	4	4	2.8	4.7
6-Mar-06	5	6	4	A	4	4	4	6	4	3	3	3	2	3	2	3	2	2	1	1	1	1	1	1	2.9	5.9
7-Mar-06	1	1	1	A	1	2	1	2	3	2	M	1	1	1	0	0	0	0	0	0	0	0	0	0	0.9	3.1
8-Mar-06	0	0	0	A	1	1	1	1	1	1	1	A	C	C	A	0	0	1	1	1	1	1	0	0	0.6	1.3
9-Mar-06	0	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
10-Mar-06	0	1	1	1	A	1	1	1	1	2	2	2	1	1	1	7	12	1	1	1	0	0	0	0	1.7	12.3
11-Mar-06	0	1	1	1	A	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.6
12-Mar-06	2	1	1	1	A	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1.2	1.9
13-Mar-06	1	1	1	1	A	3	1	1	1	2	2	2	2	2	2	1	1	2	3	1	1	2	1	1	1.6	3.2
14-Mar-06	1	0	0	1	A	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1	1.2	3.4
15-Mar-06	0	1	2	2	A	1	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1.1	2.5
16-Mar-06	2	2	2	1	A	2	2	2	2	2	2	2	2	2	3	4	3	2	1	1	2	1	3	3	2.0	3.5
17-Mar-06	1	2	2	1	A	2	2	2	2	1	1	1	2	2	2	2	2	2	3	2	2	2	2	1	1.8	2.7
18-Mar-06	1	1	3	3	A	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1.2	3.1
19-Mar-06	1	4	5	1	A	1	1	2	3	2	2	1	1	1	2	1	1	1	1	1	2	2	2	2	1.9	5.5
20-Mar-06	2	2	1	1	A	1	1	1	1	3	3	6	3	3	3	3	2	2	2	1	1	1	1	1	2.0	6.2
21-Mar-06	1	1	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1.1	1.6
22-Mar-06	2	2	2	2	A	1	1	3	2	2	2	2	2	1	1	1	1	1	3	3	4	1	1	1	1.8	3.8
23-Mar-06	1	1	1	1	A	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	1.5	2.3
24-Mar-06	3	3	2	3	A	2	2	2	2	2	2	3	2	4	3	3	3	3	2	2	3	8	6	4	2.9	7.5
25-Mar-06	4	3	3	3	A	3	3	3	2	3	2	2	2	2	5	5	3	3	3	4	3	1	1	1	2.7	5.1
26-Mar-06	1	1	1	1	A	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.0
27-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0.5	2.0
28-Mar-06	1	0	0	0	A	1	1	1	1	2	2	0	2	3	1	1	1	1	1	0	0	1	1	1	0.9	2.9
29-Mar-06	1	1	0	2	A	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.0
30-Mar-06	1	1	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7
31-Mar-06	0	0	0	0	A	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0.4	0.8
Hourly Avg	1.4	1.5	1.7	N	N	1.4	1.4	1.6	1.6	1.7	1.7	1.7	1.5	1.7	1.8	1.9	1.9	1.5	1.4	1.3	1.5	1.5	1.5	1.4		
Hourly Max	5.1	5.5	5.5	3.0	4.2	4.2	4.4	5.9	4.3	4.1	4.1	6.2	3.9	5.0	5.5	6.8	12.3	3.4	3.2	4.0	4.7	7.5	5.6	3.6		

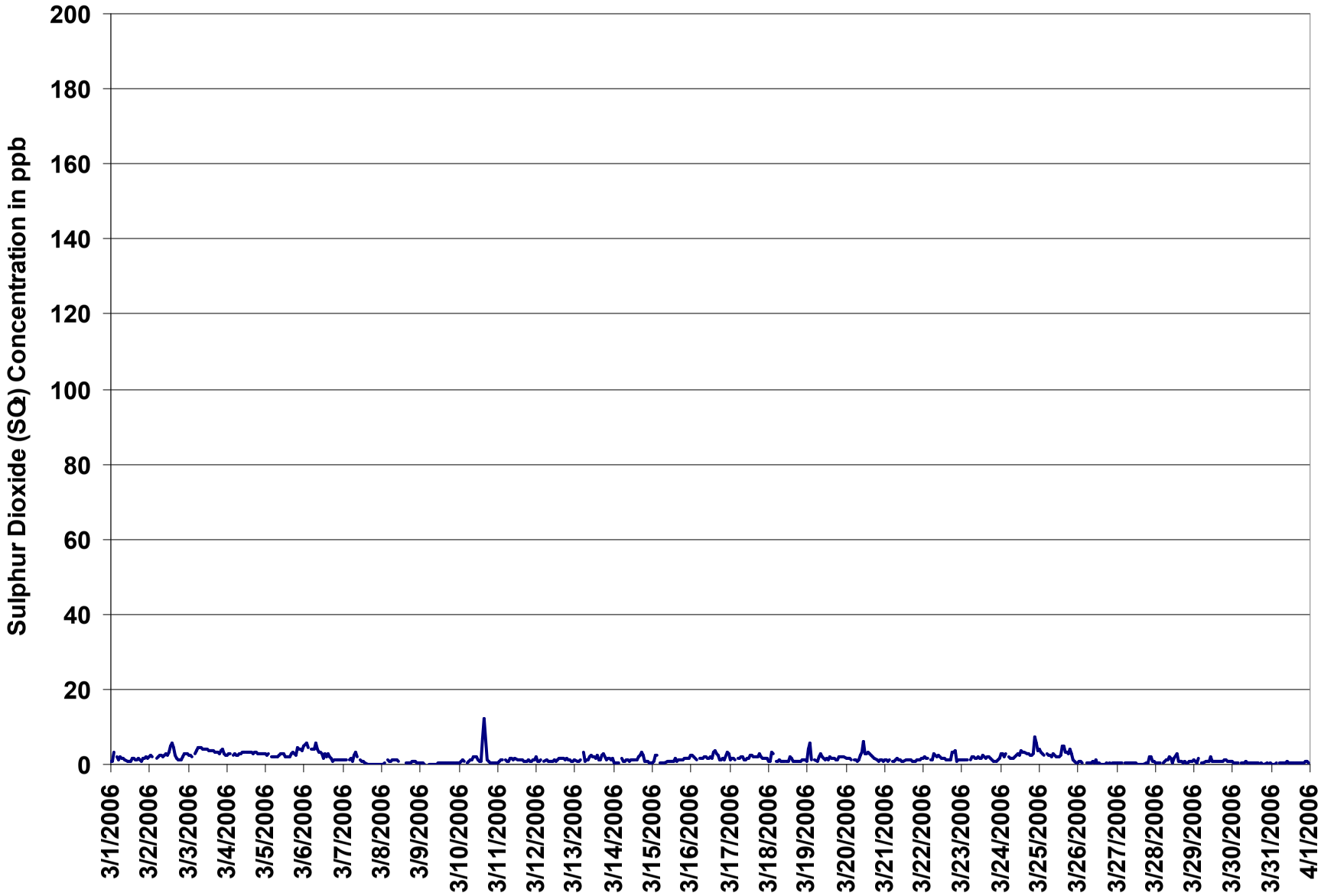
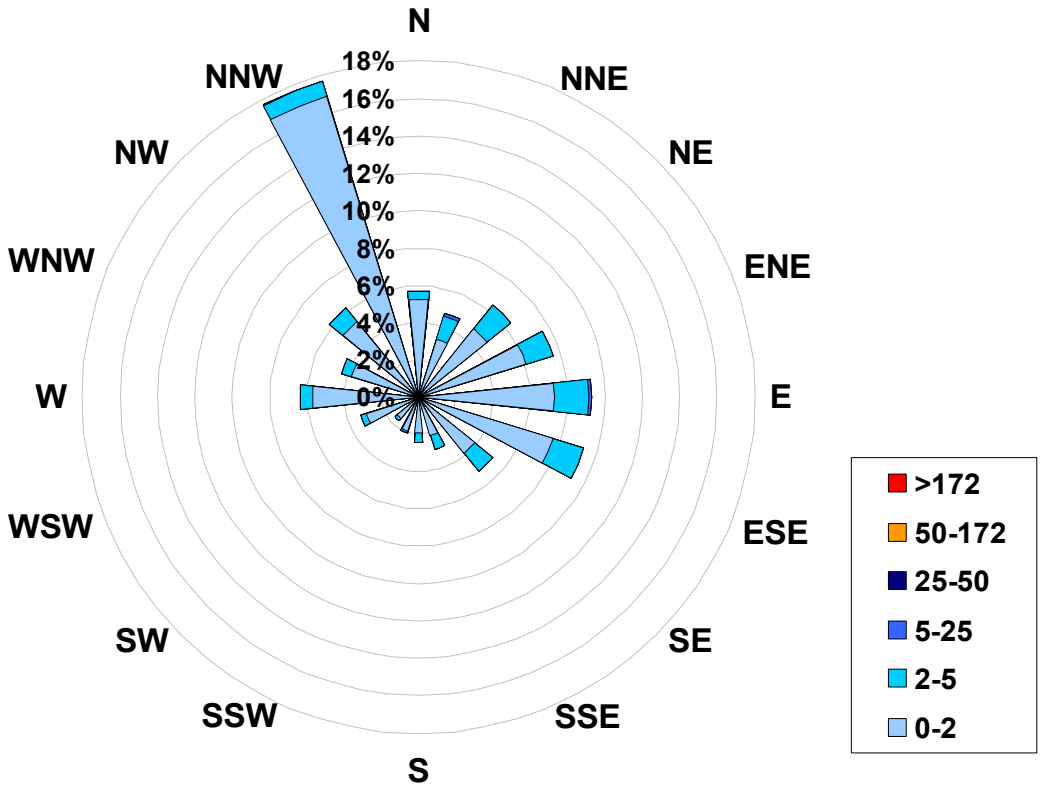


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	1%

Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0.0	<	2	596
2	to	5	109
5	to	25	3
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			708

PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary

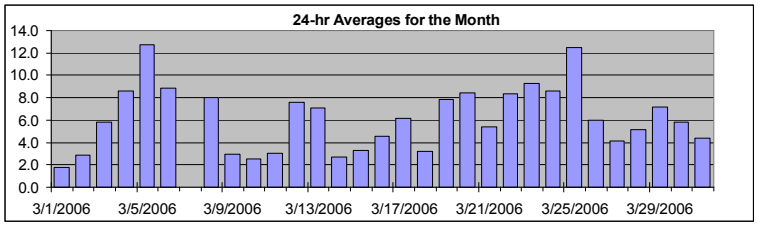
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: March 1, 2006 to April 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:	27.4	ppb	23-Mar	7:00 8:00
Maximum 24-hr Average:	12.7	ppb	5-Mar	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	21.9	15.3	8.3	4.9	2.6	1.0	0.0	6.1 ppb	4.9 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	0	0	1	A	7	5	3	1	5	2	0	0	0	1	1	1	2	3	3	1	1	1	1	1	1.8	6.6
2-Mar-06	1	2	2	A	2	2	3	4	3	3	3	2	2	3	3	3	2	2	2	2	2	3	6	7	2.9	6.9
3-Mar-06	7	7	7	A	5	6	6	7	6	5	4	4	3	3	3	3	4	6	7	7	6	5	9	15	5.8	15.3
4-Mar-06	15	19	15	A	10	17	15	11	8	8	7	3	4	5	3	1	1	10	14	8	4	5	7	6	8.6	18.9
5-Mar-06	6	5	6	A	14	10	8	11	12	11	12	14	8	9	9	10	12	12	22	24	23	16	17	20	12.7	24.5
6-Mar-06	18	14	20	A	12	12	15	16	21	12	7	7	4	11	7	9	7	4	0	4	3	0	0	1	8.9	20.8
7-Mar-06	1	1	5	A	12	12	13	9	16	16	M	C	C	C	C	C	C	0	0	0	0	0	0	0	N	16.5
8-Mar-06	0	0	0	A	8	12	7	22	17	13	10	A	6	A	4	4	3	5	8	6	14	13	9	6	8.0	21.9
9-Mar-06	6	13	4	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	5	10	8	3	2.9	12.8
10-Mar-06	4	2	3	3	A	3	5	4	3	2	2	2	1	1	2	2	2	2	3	3	3	2	2	2	2.5	4.6
11-Mar-06	2	2	2	2	A	3	3	3	3	2	1	1	1	1	2	2	2	2	4	6	6	5	8	6	3.0	7.7
12-Mar-06	11	7	5	8	A	7	13	20	10	9	6	6	3	3	4	5	4	4	6	7	6	13	10	7	7.6	20.2
13-Mar-06	13	10	7	17	A	25	15	12	10	5	3	3	3	2	2	3	3	3	6	5	5	5	3	3	7.1	25.2
14-Mar-06	2	2	1	2	A	3	3	3	4	2	2	2	2	2	2	2	2	3	3	3	4	4	3	4	2.7	4.3
15-Mar-06	3	2	4	4	A	3	3	3	2	2	1	1	2	2	3	2	2	4	7	5	4	5	5	7	3.3	7.2
16-Mar-06	8	7	7	7	A	7	7	8	6	3	2	1	1	1	2	2	3	3	6	5	4	4	4	6	4.6	8.2
17-Mar-06	11	9	8	8	A	10	9	10	8	5	4	4	3	4	4	4	5	5	6	7	6	5	5	3	6.2	10.7
18-Mar-06	3	2	5	4	A	3	2	2	2	1	1	1	1	1	1	1	2	2	3	5	4	6	14	8	3.2	14.5
19-Mar-06	7	9	9	5	A	14	16	14	11	7	6	5	4	3	5	5	7	7	8	8	9	7	8	8	7.9	16.0
20-Mar-06	13	20	8	10	A	12	12	9	8	11	15	11	7	7	9	7	4	4	4	4	4	5	4	4	8.4	20.4
21-Mar-06	5	4	4	4	A	3	3	6	13	12	10	7	7	6	3	3	3	3	4	5	5	4	5	5	5.4	13.4
22-Mar-06	5	4	4	3	A	5	5	13	20	22	15	8	7	6	6	8	8	12	6	5	5	3	7	14	8.3	22.4
23-Mar-06	5	4	8	14	A	9	24	27	22	13	14	10	9	7	7	6	5	5	5	5	4	3	4	4	9.3	27.4
24-Mar-06	6	7	5	6	A	9	8	10	11	10	6	7	7	7	7	8	9	11	14	15	10	8	10	8	8.6	14.8
25-Mar-06	11	14	18	12	A	18	21	20	15	15	9	9	9	8	7	8	9	11	15	19	14	9	7	10	12.5	21.0
26-Mar-06	11	11	12	16	A	7	5	7	8	12	8	5	1	1	1	1	1	2	3	3	6	8	4	4	6.0	15.7
27-Mar-06	4	3	3	3	A	3	5	5	6	3	1	1	1	1	1	1	1	3	3	4	3	13	12	13	4.1	13.1
28-Mar-06	11	4	6	6	A	8	18	8	10	12	9	2	2	1	1	1	2	2	2	3	3	4	2	2	5.2	18.4
29-Mar-06	4	4	3	4	A	2	6	12	14	7	4	5	5	6	5	4	4	4	9	14	11	16	12	11	7.2	16.4
30-Mar-06	8	5	4	13	A	13	11	11	14	8	4	1	1	1	1	1	1	2	4	5	6	7	6	5	5.8	14.0
31-Mar-06	8	8	7	10	A	7	9	9	10	7	6	4	2	1	1	1	1	1	1	2	2	2	2	1	4.4	10.4
Hourly Avg	6.6	6.5	6.2	N	N	8.1	8.9	9.7	9.7	7.8	5.8	4.3	3.6	3.6	3.6	3.7	3.7	4.4	5.9	6.3	5.9	6.2	6.2	6.3		
Hourly Max	18.0	20.4	19.9	16.7	14.4	25.2	24.0	27.4	21.8	22.4	14.6	13.5	8.9	10.7	9.2	10.3	12.0	12.2	22.2	24.5	22.8	16.4	16.6	20.3		

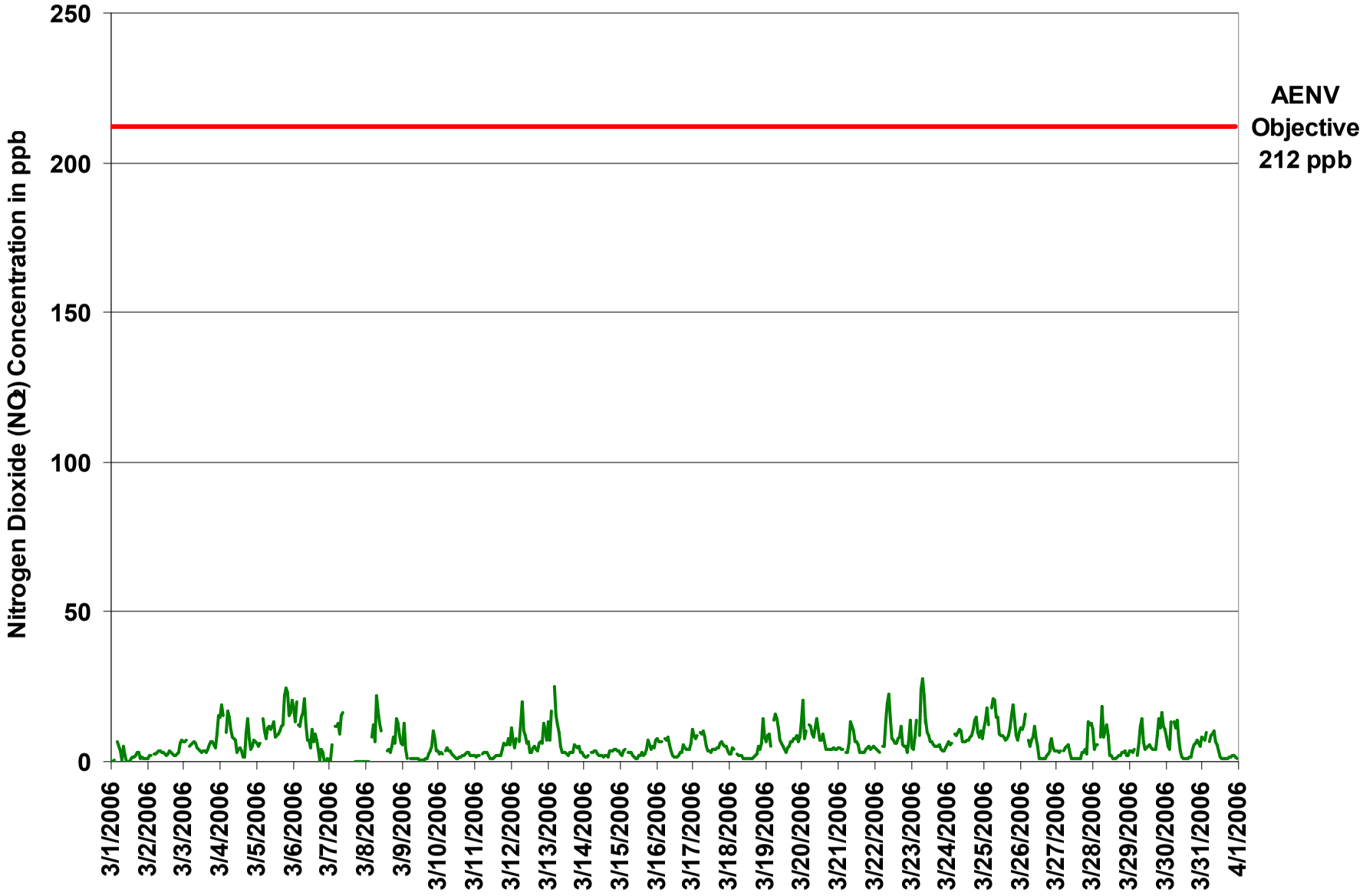


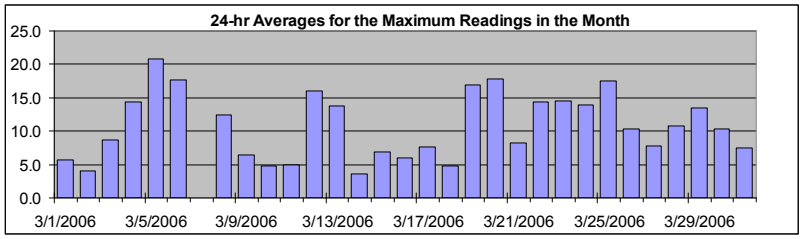
Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

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



Summary

Maximum 1-hr Value:	64.0	ppb	20-Mar	11:00 12:00
Maximum 24-hr Value:	20.9	ppb	5-Mar	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	42.7	31.2	14.0	7.1	4.0	2.0	1.0	10.8 ppb	7.1 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-Mar-06	3	2	3	A	13	16	11	4	17	7	6	1	1	2	3	3	7	11	11	2	2	2	2	2	5.7	16.9
2-Mar-06	2	2	2	A	2	4	5	5	4	4	4	3	3	3	4	5	5	3	4	4	3	5	7	9	4.0	8.5
3-Mar-06	8	8	7	A	5	6	8	8	7	6	4	4	4	5	5	4	5	9	9	12	9	7	33	28	8.7	33.2
4-Mar-06	28	26	21	A	29	32	23	16	18	12	12	4	7	6	5	2	3	16	23	13	6	10	10	9	14.4	32.3
5-Mar-06	8	11	11	A	30	24	13	25	29	21	19	19	10	11	10	15	16	20	32	33	34	28	31	29	20.9	34.1
6-Mar-06	22	23	34	A	16	29	26	43	28	20	11	11	11	24	10	20	14	12	3	23	12	2	0	12	17.6	42.7
7-Mar-06	2	3	20	A	31	37	27	38	35	28	M	C	C	C	C	C	C	0	0	1	2	1	4	2	N	37.9
8-Mar-06	3	2	1	A	11	29	13	34	19	18	13	A	8	A	5	7	5	7	14	9	19	22	12	8	12.4	34.1
9-Mar-06	10	24	11	2	A	4	3	4	2	2	3	2	2	2	2	3	4	4	10	8	10	15	14	6	6.4	24.2
10-Mar-06	5	4	6	6	A	6	7	7	7	4	18	3	2	2	2	2	3	4	3	4	4	3	3	3	4.7	17.9
11-Mar-06	2	2	3	3	A	4	4	4	6	4	2	2	2	2	2	2	2	3	8	14	7	8	12	14	4.9	14.0
12-Mar-06	34	24	16	23	A	19	32	27	13	13	8	9	5	4	5	7	5	5	10	17	20	31	22	17	16.0	34.3
13-Mar-06	40	25	14	42	A	56	29	16	14	7	4	4	3	3	3	3	4	5	7	8	9	11	4	4	13.7	55.8
14-Mar-06	3	2	2	3	A	4	4	4	5	3	3	2	2	3	2	4	3	4	5	4	6	6	4	5	3.6	6.1
15-Mar-06	3	3	5	5	A	4	4	4	4	2	2	2	2	3	61	3	3	5	9	7	5	6	7	9	6.9	60.7
16-Mar-06	9	8	7	9	A	9	8	10	7	4	4	2	2	2	2	3	4	4	12	8	5	5	5	8	6.0	12.2
17-Mar-06	14	13	8	10	A	10	11	13	11	7	5	4	4	4	5	5	5	6	6	8	7	6	7	4	7.6	14.1
18-Mar-06	3	3	7	6	A	3	3	3	2	2	2	1	1	1	1	2	2	2	5	7	6	10	27	11	4.9	27.5
19-Mar-06	12	45	45	7	A	29	26	29	33	17	17	7	6	4	6	6	9	10	17	13	12	10	15	15	16.9	44.8
20-Mar-06	28	36	12	27	A	16	27	22	12	53	27	64	9	8	12	12	6	7	6	6	5	5	5	5	17.8	64.0
21-Mar-06	6	5	4	4	A	4	9	13	28	18	16	10	8	9	4	5	5	5	7	7	6	5	5	5	8.2	28.5
22-Mar-06	7	5	4	4	A	7	10	49	32	35	22	12	10	8	9	12	11	21	7	7	10	7	15	27	14.4	49.2
23-Mar-06	12	5	18	26	A	22	40	36	32	23	23	11	10	8	8	9	6	8	6	9	5	6	4	5	14.5	39.8
24-Mar-06	7	7	6	8	A	27	14	13	25	17	8	7	7	32	8	11	10	13	20	18	14	22	17	9	14.0	31.9
25-Mar-06	17	20	31	14	A	23	29	27	19	24	13	11	11	10	9	8	11	22	27	29	16	12	8	14	17.6	30.5
26-Mar-06	13	24	32	24	A	8	7	10	11	21	10	8	2	2	4	2	5	6	7	7	12	15	6	5	10.4	31.6
27-Mar-06	5	4	4	6	A	9	9	10	8	7	3	2	3	3	3	3	3	6	6	6	6	32	19	24	7.8	31.9
28-Mar-06	22	8	10	13	A	17	37	22	29	28	20	3	2	2	2	3	3	3	2	6	5	6	3	4	10.8	37.1
29-Mar-06	5	5	4	5	A	2	18	25	21	12	6	5	6	6	6	5	4	6	26	31	37	39	22	14	13.5	38.6
30-Mar-06	21	7	8	18	A	17	25	23	19	13	5	4	3	2	3	2	3	4	6	7	13	18	10	7	10.3	24.5
31-Mar-06	14	11	9	14	A	9	12	18	17	12	7	6	2	2	2	1	2	2	6	7	9	6	3	2	7.5	18.0
Hourly Avg	11.9	11.8	11.8	N	N	15.8	15.9	18.2	16.6	14.3	9.8	7.7	4.9	6.0	6.7	5.6	5.6	7.5	10.1	10.8	10.2	11.7	10.9	10.2		
Hourly Max	39.6	44.8	44.5	42.0	30.8	55.8	39.8	49.2	35.0	53.0	26.8	64.0	11.2	31.9	60.7	20.4	16.3	21.7	32.4	33.1	36.6	38.6	33.2	28.8		

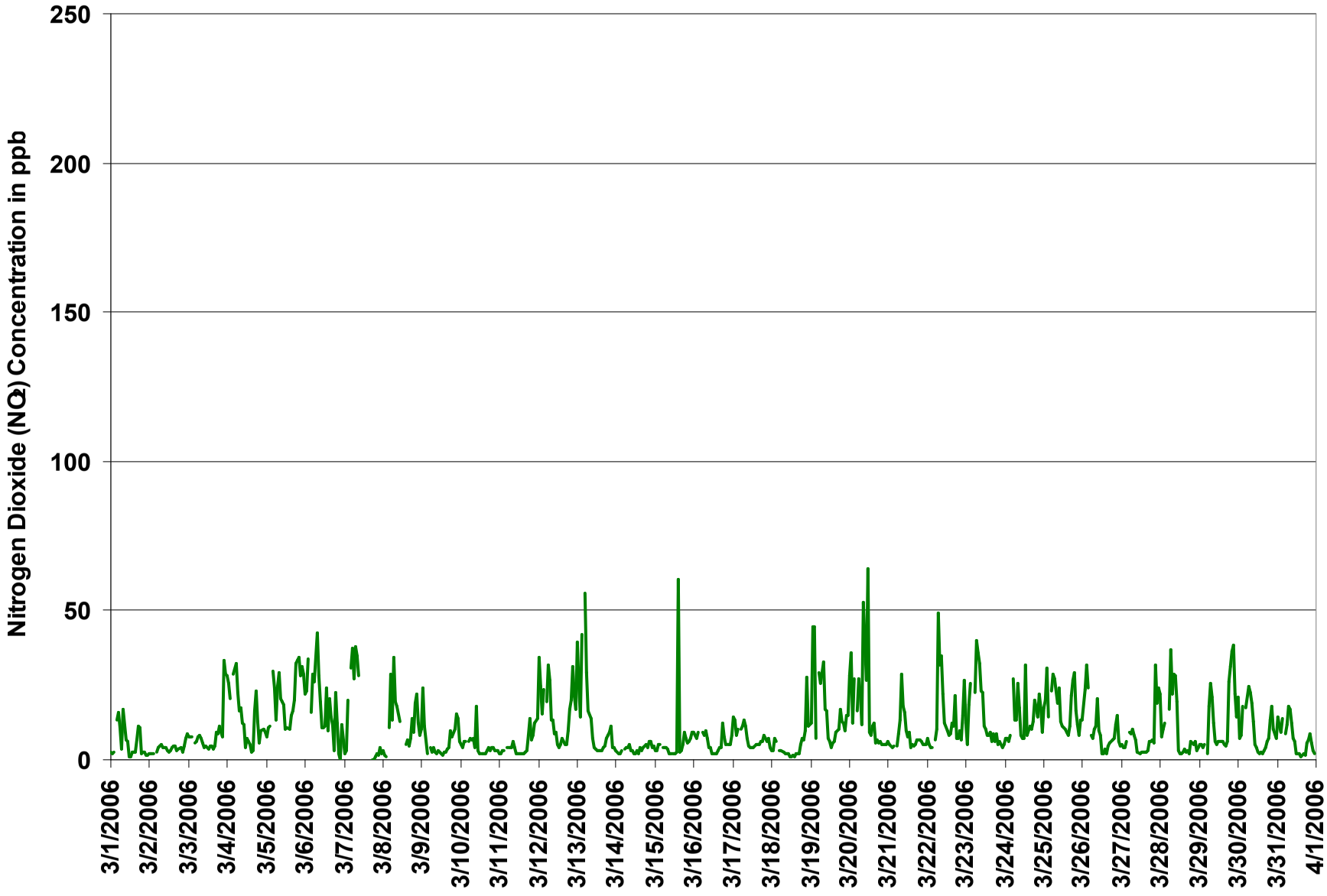
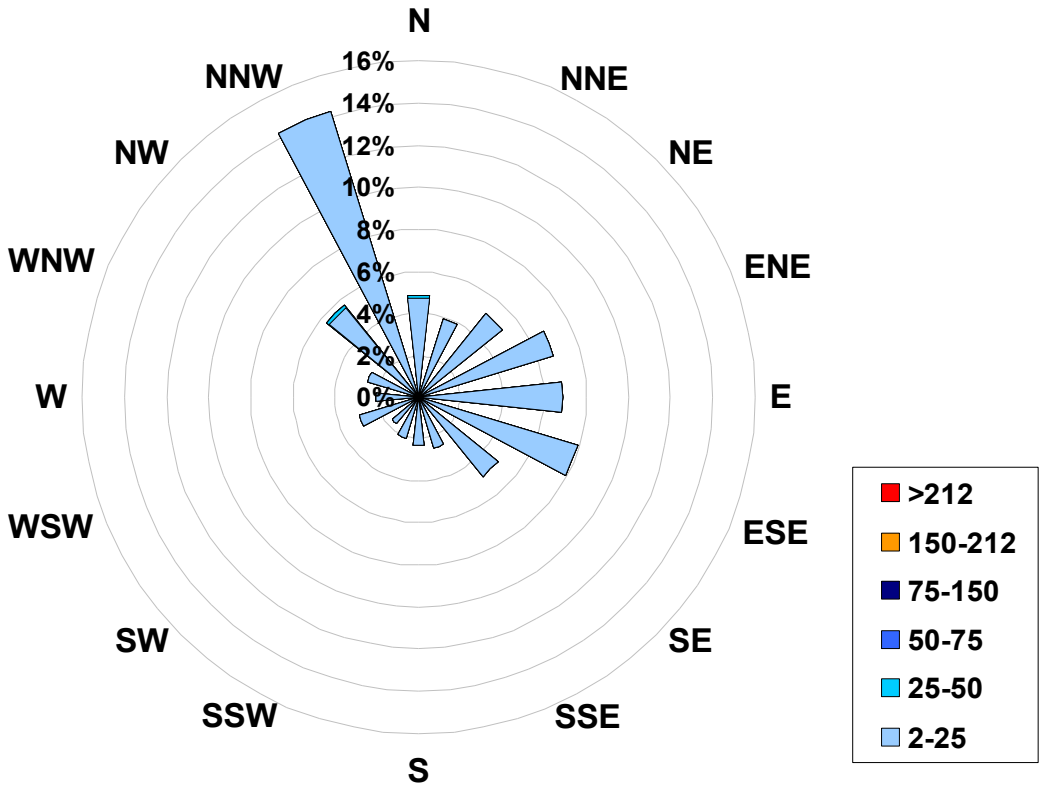


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	1%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	699
25	to	50	5
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			704

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

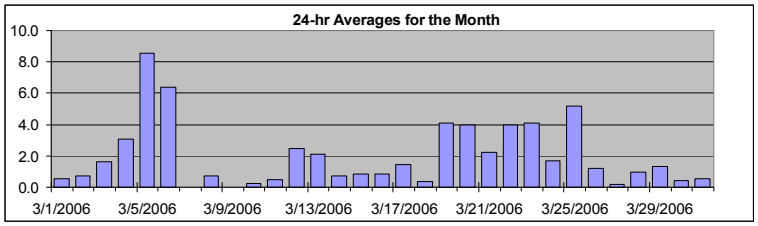
Nitric Oxide (NO)

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

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

Summary

Maximum 1-hr Average:	36.7	ppb	5-Mar	11:00 12:00
Maximum 24-hr Average:	8.6	ppb	5-Mar	



AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	23.0	10.4	2.0	0.1	0.0	0.0	0.0	2.1 ppb	0.1 ppb

Status Flag Characters

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

Day — **Mountain Standard Time**

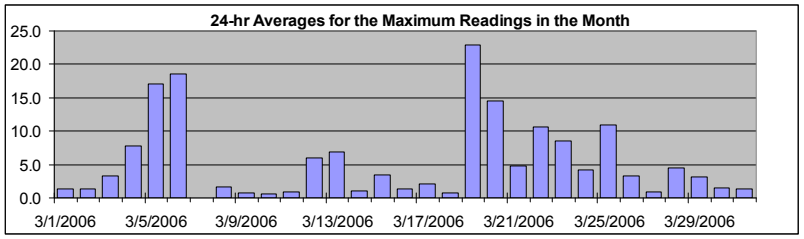
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	0	0	0	A	0	0	0	0	1	1	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0.6	1.9
2-Mar-06	0	0	0	A	0	0	0	0	0	1	2	2	2	3	3	2	1	0	0	0	0	0	0	0	0.7	3.1
3-Mar-06	0	0	0	A	0	0	0	0	1	2	3	4	4	4	5	4	3	3	1	0	0	0	2	1	1.6	5.2
4-Mar-06	0	1	0	A	0	10	0	0	4	8	10	6	7	7	5	3	2	5	2	0	0	0	0	0	3.1	9.9
5-Mar-06	0	0	0	A	2	0	0	1	11	25	30	37	20	18	16	14	10	5	5	2	1	0	1	0	8.6	36.7
6-Mar-06	0	0	2	A	0	0	0	12	32	22	13	15	8	17	9	10	4	1	0	0	0	0	0	0	6.4	31.6
7-Mar-06	0	0	0	A	1	2	0	3	12	23	M	C	C	C	C	C	C	1	1	0	0	0	0	0	N	23.0
8-Mar-06	0	0	0	A	0	0	0	1	3	4	5	A	2	A	1	1	0	0	0	0	0	0	0	0	0.7	4.7
9-Mar-06	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
10-Mar-06	0	0	0	0	A	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0.2	1.1
11-Mar-06	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.5	1.2
12-Mar-06	1	0	0	0	A	0	1	5	5	7	6	10	3	3	4	4	2	1	1	0	0	0	0	0	2.5	9.7
13-Mar-06	1	0	0	1	A	18	0	1	4	4	2	3	3	2	2	3	2	1	1	0	0	0	0	0	2.1	18.1
14-Mar-06	0	0	0	0	A	0	0	0	1	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0.7	2.0
15-Mar-06	0	0	0	0	A	0	0	0	1	1	2	2	2	3	3	2	2	2	1	0	0	0	0	0	0.8	3.0
16-Mar-06	0	0	0	0	A	0	0	1	2	3	2	2	1	1	1	2	2	1	1	0	0	0	0	0	0.8	2.9
17-Mar-06	0	0	0	0	A	0	0	1	3	3	3	3	3	3	3	3	3	2	1	1	0	0	0	0	1.5	3.4
18-Mar-06	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4	1.1
19-Mar-06	0	2	3	0	A	1	0	9	15	11	10	8	6	3	5	5	6	4	2	1	1	0	0	0	4.1	15.1
20-Mar-06	0	2	0	0	A	0	0	1	5	15	25	17	8	6	7	3	1	0	0	0	0	0	0	0	3.9	24.6
21-Mar-06	0	0	0	0	A	0	0	0	8	11	13	7	6	4	1	1	1	0	0	0	0	0	0	0	2.2	12.9
22-Mar-06	0	0	0	0	A	0	0	10	16	27	11	5	5	4	3	4	3	3	0	0	0	0	0	0	4.0	27.2
23-Mar-06	0	0	0	0	A	0	2	19	20	12	16	8	8	4	3	2	1	1	0	0	0	0	0	0	4.1	20.1
24-Mar-06	0	0	0	0	A	0	0	1	4	4	2	3	4	5	4	4	3	3	2	0	0	0	0	0	1.7	5.3
25-Mar-06	0	0	1	0	A	1	7	19	15	26	10	7	8	5	4	4	3	4	3	1	0	0	0	0	5.2	26.4
26-Mar-06	0	0	0	0	A	0	0	1	4	12	7	3	0	0	0	0	0	0	0	0	0	0	0	0	1.2	12.0
27-Mar-06	0	0	0	0	A	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.0
28-Mar-06	0	0	0	0	A	0	1	1	7	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	7.3
29-Mar-06	0	0	0	0	A	0	0	3	7	4	2	3	3	3	2	1	1	0	0	0	0	0	0	0	1.3	7.4
30-Mar-06	0	0	0	0	A	0	0	1	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	6.1
31-Mar-06	0	0	0	0	A	0	0	1	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.6	4.4
Hourly Avg	0.1	0.2	0.2	N	N	1.1	0.4	3.0	6.3	7.9	6.3	5.3	3.6	3.5	3.0	2.6	1.8	1.3	0.7	0.2	0.1	0.1	0.1	0.0		
Hourly Max	1.5	2.1	2.7	1.5	1.8	18.1	7.4	19.2	31.6	27.2	29.8	36.7	19.5	17.7	15.8	13.7	10.3	5.4	5.1	1.8	1.5	0.4	2.3	0.9		

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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



Summary

Maximum 1-hr Value:	139.8	ppb	20-Mar	11:00 12:00
Maximum 24-hr Value:	22.9	ppb	19-Mar	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	66.4	29.1	4.0	1.0	0.0	0.0	0.0	5.7 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-Mar-06	0	0	0	A	0	0	0	0	2	2	3	2	3	5	5	3	3	2	1	1	0	0	0	0	1.4	5.0
2-Mar-06	0	0	0	A	0	0	0	0	1	3	3	3	2	3	4	4	3	1	1	1	0	0	0	0	1.3	4.2
3-Mar-06	0	0	0	A	0	0	0	0	1	3	4	5	4	5	7	4	4	6	1	1	1	0	19	9	3.2	19.2
4-Mar-06	6	6	1	A	16	35	2	2	18	12	18	6	11	10	7	4	3	12	8	0	1	0	0	0	7.7	34.9
5-Mar-06	0	4	0	A	16	11	5	10	39	53	48	52	27	20	19	21	13	11	14	10	8	3	9	1	17.1	52.7
6-Mar-06	1	0	13	A	0	4	2	131	66	48	23	24	17	38	16	26	9	4	0	3	0	0	0	0	18.6	131.3
7-Mar-06	0	0	0	A	12	31	4	48	81	47	M	C	C	C	C	C	C	2	2	1	1	1	0	0	N	80.8
8-Mar-06	0	0	0	A	0	3	0	3	5	6	8	A	3	A	1	2	1	0	1	0	0	0	1	0	1.6	8.0
9-Mar-06	0	3	0	0	A	1	0	1	1	1	2	1	1	1	1	1	2	1	1	0	0	0	0	0	0.8	3.0
10-Mar-06	0	0	0	0	A	0	0	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0.6	2.0
11-Mar-06	0	0	0	0	A	0	0	0	1	2	2	2	2	2	2	2	1	1	1	2	0	0	1	0	0.9	2.0
12-Mar-06	28	1	0	1	A	0	13	11	11	12	11	14	7	4	5	6	4	2	2	2	1	3	0	1	6.0	27.9
13-Mar-06	10	0	0	17	A	83	6	3	5	5	3	4	4	3	3	3	3	2	1	1	0	0	0	0	6.8	83.5
14-Mar-06	0	0	0	0	A	0	0	0	2	3	3	2	3	3	3	3	1	1	1	0	0	1	0	0	1.1	3.0
15-Mar-06	0	0	0	0	A	0	0	0	2	2	2	3	3	4	51	3	3	3	1	0	0	0	0	0	3.4	51.5
16-Mar-06	0	0	0	0	A	0	0	2	3	4	3	2	2	2	2	2	3	2	2	1	0	0	0	0	1.3	3.9
17-Mar-06	0	0	0	1	A	0	0	3	4	4	4	4	4	4	4	4	3	3	2	1	1	1	0	0	2.1	4.1
18-Mar-06	0	0	0	0	A	0	0	0	1	1	2	1	2	2	1	2	2	1	1	0	0	0	1	0	0.7	2.0
19-Mar-06	0	108	134	0	A	10	4	46	63	49	36	14	11	5	7	6	7	8	9	3	2	1	1	2	22.9	134.3
20-Mar-06	2	13	0	2	A	0	2	4	7	66	56	140	11	7	10	9	2	1	1	0	0	0	0	0	14.5	139.8
21-Mar-06	0	0	0	0	A	0	0	3	25	22	23	11	8	8	2	4	2	1	1	0	0	0	0	0	4.8	25.0
22-Mar-06	0	0	0	0	A	0	0	67	49	53	22	12	8	5	5	7	4	9	1	0	1	0	0	0	10.6	67.2
23-Mar-06	0	0	0	0	A	4	18	41	39	25	31	11	10	5	5	4	2	2	0	0	0	0	0	0	8.5	41.2
24-Mar-06	0	0	0	0	A	1	1	2	17	10	3	4	5	30	5	6	5	4	3	1	0	0	0	0	4.2	29.9
25-Mar-06	0	0	7	0	A	9	34	33	28	55	14	12	12	8	7	5	6	14	6	3	0	0	0	0	11.0	54.8
26-Mar-06	0	0	9	1	A	0	0	3	8	22	10	13	1	1	2	1	2	2	1	0	0	0	0	0	3.2	21.6
27-Mar-06	0	0	0	0	A	0	0	2	4	4	1	1	1	1	1	1	1	1	0	0	0	2	0	0	0.9	3.9
28-Mar-06	0	0	0	0	A	3	19	4	32	29	13	1	1	0	0	2	0	0	0	0	0	0	0	0	4.5	32.4
29-Mar-06	0	0	0	0	A	0	1	12	13	8	3	3	4	4	3	2	1	1	6	2	3	6	0	0	3.1	12.9
30-Mar-06	2	0	0	0	A	0	1	4	15	6	2	1	1	0	1	0	1	0	1	0	0	0	0	0	1.5	15.3
31-Mar-06	0	0	0	0	A	0	1	6	10	7	3	3	1	0	0	0	0	0	0	0	1	0	0	0	1.4	10.2
Hourly Avg	1.6	4.4	5.4	N	N	6.3	3.7	14.3	17.9	18.2	11.9	12.2	5.6	6.2	6.0	4.6	3.1	3.1	2.2	1.1	0.6	0.6	1.1	0.4		
Hourly Max	27.9	108.0	134.3	17.4	16.3	83.5	33.9	131.3	80.8	66.4	56.2	139.8	26.7	38.3	51.5	26.4	13.5	13.8	14.2	9.6	7.9	5.6	19.2	8.5		

PASZA – Beaverlodge - Oxides of Nitrogen Monthly Summary

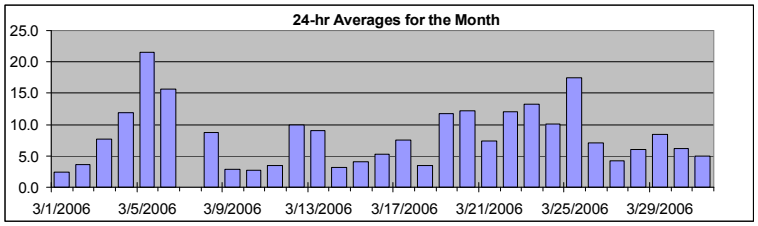
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

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

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



Summary

Maximum 1-hr Average:	53.0	ppb	6-Mar	8:00 9:00
Maximum 24-hr Average:	21.5	ppb	5-Mar	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	41.0	23.8	10.7	5.7	3.1	1.0	0.0	8.1 ppb	5.7 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-Mar-06	0	0	1	A	7	5	4	1	6	3	1	0	1	3	3	3	3	4	3	1	1	1	1	1	2.4	6.8
2-Mar-06	1	2	2	A	2	2	3	4	4	5	5	5	4	6	7	5	4	2	2	2	2	3	6	7	3.7	7.0
3-Mar-06	7	7	7	A	6	6	6	7	7	7	7	8	7	8	9	7	8	8	8	7	6	5	12	17	7.6	16.6
4-Mar-06	16	20	16	A	11	27	15	11	13	17	17	10	11	12	9	4	3	15	17	8	4	5	7	6	12.0	27.2
5-Mar-06	6	5	6	A	16	11	8	13	24	36	42	51	28	27	25	24	23	18	28	27	25	16	18	21	21.5	50.5
6-Mar-06	18	14	23	A	13	12	15	29	53	35	20	23	13	28	16	19	12	6	1	5	3	0	0	1	15.6	53.0
7-Mar-06	1	1	6	A	13	14	13	13	28	40	M	C	C	C	C	C	C	0	0	0	0	0	1	2	N	39.9
8-Mar-06	1	1	0	A	8	12	6	22	19	17	15	A	7	A	4	5	3	5	8	6	14	12	8	6	8.7	22.3
9-Mar-06	5	13	4	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	10	7	3	2.8	12.7
10-Mar-06	3	2	3	2	A	3	4	4	4	3	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2.7	4.5
11-Mar-06	1	1	2	2	A	2	3	3	4	3	2	2	2	3	3	3	3	3	5	6	6	5	8	5	3.4	7.6
12-Mar-06	12	7	5	7	A	6	14	25	16	16	12	16	6	6	9	9	6	5	7	7	6	13	10	7	9.9	25.1
13-Mar-06	14	10	7	18	A	43	15	13	14	9	5	6	5	5	4	5	5	4	6	5	5	5	3	3	9.0	43.0
14-Mar-06	2	1	1	2	A	3	3	4	5	4	4	3	4	4	4	4	2	4	4	3	4	4	3	3	3.2	4.7
15-Mar-06	2	2	3	4	A	3	3	3	3	3	3	3	4	5	6	3	4	6	8	5	4	5	4	7	4.1	8.1
16-Mar-06	7	6	7	7	A	7	7	9	8	6	4	3	3	2	3	4	5	4	7	5	4	4	4	6	5.3	8.9
17-Mar-06	11	9	7	8	A	10	9	11	11	8	7	7	6	7	7	7	7	7	7	7	6	5	5	4	7.5	11.2
18-Mar-06	3	2	5	4	A	2	2	2	2	2	2	2	2	2	2	2	3	2	3	5	4	6	14	8	3.5	14.2
19-Mar-06	6	10	12	5	A	15	16	23	26	18	16	13	10	6	10	10	12	10	10	8	9	7	9	9	11.8	26.3
20-Mar-06	14	22	8	10	A	12	12	11	13	26	39	28	15	13	16	10	5	4	4	4	4	4	4	4	12.2	39.0
21-Mar-06	4	4	4	4	A	3	3	6	21	23	23	14	12	9	4	4	3	3	4	4	5	4	4	5	7.4	23.1
22-Mar-06	4	4	3	3	A	5	5	23	35	49	26	13	12	10	9	11	11	15	6	5	5	3	7	14	12.1	49.3
23-Mar-06	5	4	8	14	A	8	26	46	42	24	30	18	16	10	9	7	6	6	5	5	4	3	3	4	13.2	46.3
24-Mar-06	6	6	5	6	A	9	8	10	14	14	9	10	10	12	12	12	12	13	15	15	9	8	10	7	10.2	15.4
25-Mar-06	11	13	19	12	A	19	28	39	30	41	19	16	17	13	11	11	12	15	18	19	13	8	7	10	17.5	41.0
26-Mar-06	11	10	12	15	A	7	5	8	12	24	15	8	1	1	1	1	1	2	3	3	5	7	4	3	7.1	23.8
27-Mar-06	3	3	3	3	A	3	4	6	8	5	1	1	1	1	1	1	1	3	3	4	3	13	12	13	4.3	12.9
28-Mar-06	11	4	6	6	A	8	20	10	18	19	13	2	2	1	1	1	2	2	2	3	3	4	2	2	6.1	19.7
29-Mar-06	4	4	3	4	A	2	6	15	22	10	7	8	8	9	7	5	5	4	9	14	11	16	11	10	8.5	21.6
30-Mar-06	8	5	4	13	A	13	11	12	20	10	5	2	1	1	1	1	1	2	4	5	6	7	6	5	6.2	20.0
31-Mar-06	8	7	7	10	A	7	9	11	15	10	8	5	2	1	1	1	1	1	1	1	2	1	1	3	4.9	14.8
Hourly Avg	6.6	6.5	6.3	N	N	9.1	9.2	12.7	16.0	15.8	12.1	9.6	7.2	7.1	6.5	6.2	5.5	5.7	6.6	6.3	5.8	6.1	6.2	6.4		
Hourly Max	18.3	22.2	22.6	17.8	16.4	43.0	28.2	46.3	53.0	49.3	42.2	50.5	27.8	28.2	25.5	24.2	22.6	17.9	27.7	26.7	24.7	16.5	17.6	20.8		

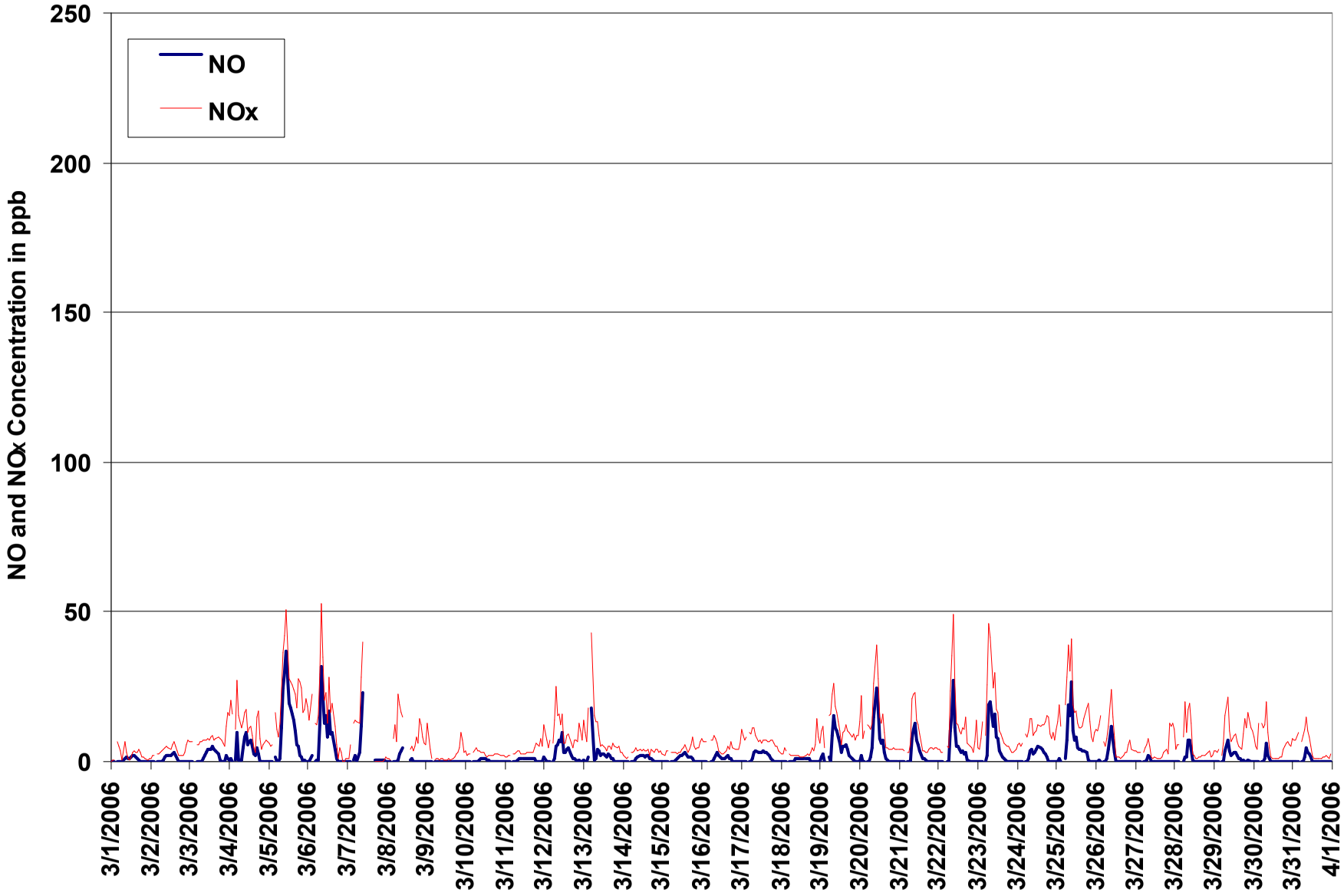


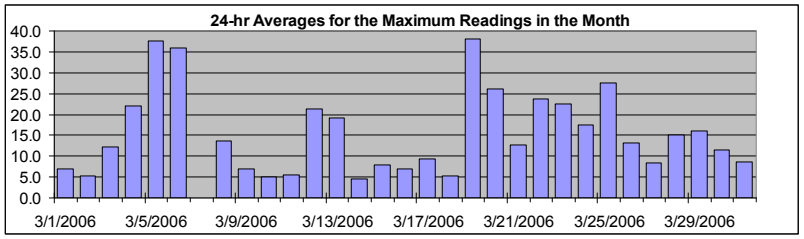
Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

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



Summary

Maximum 1-hr Value:	172.0	ppb	6-Mar	7:00 8:00
Maximum 24-hr Value:	38.0	ppb	19-Mar	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	91.7	56.5	18.7	8.5	5.0	2.4	1.9	15.9 ppb	8.5 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-Mar-06	3	2	2	A	13	16	11	4	20	9	10	3	4	8	8	5	10	13	12	2	2	3	2	1	7.1	19.5
2-Mar-06	2	2	2	A	2	4	5	5	5	7	7	6	5	6	8	9	7	4	4	6	3	6	7	9	5.3	9.2
3-Mar-06	8	8	8	A	6	7	8	9	8	8	8	9	9	10	12	8	10	16	9	13	10	8	52	38	12.1	52.1
4-Mar-06	34	31	22	A	44	67	24	19	36	25	31	11	18	16	11	6	6	29	31	13	6	10	10	9	22.1	67.0
5-Mar-06	8	15	11	A	47	34	17	35	67	74	67	71	37	29	29	34	28	31	47	40	42	31	40	30	37.6	73.9
6-Mar-06	23	24	46	A	17	33	29	172	92	67	33	34	28	62	26	47	23	15	3	26	13	3	0	12	35.9	172.0
7-Mar-06	2	3	21	A	41	68	31	84	112	72	M	C	C	C	C	C	C	2	1	5	5	4	6	3	N	112.0
8-Mar-06	5	3	2	A	10	30	13	37	24	23	21	A	11	A	6	8	5	7	14	9	19	21	13	8	13.7	36.9
9-Mar-06	10	26	11	2	A	5	3	5	3	3	4	3	3	3	3	3	6	4	11	8	10	15	14	6	6.8	25.8
10-Mar-06	5	4	6	5	A	5	7	7	7	6	19	5	3	2	3	3	3	4	4	4	4	3	3	2	4.9	18.6
11-Mar-06	2	2	2	2	A	4	4	4	7	5	3	4	4	4	4	4	3	4	9	16	7	8	14	14	5.6	16.2
12-Mar-06	61	24	16	24	A	19	43	37	24	24	19	23	12	8	10	12	9	7	12	19	20	34	21	17	21.4	60.8
13-Mar-06	49	24	14	57	A	123	35	18	17	13	6	7	6	5	5	6	6	6	8	8	9	11	4	4	19.1	123.0
14-Mar-06	3	2	2	3	A	3	4	4	6	6	5	5	5	5	5	7	4	5	6	4	6	6	4	4	4.5	7.0
15-Mar-06	3	3	5	5	A	4	4	4	6	4	4	4	5	6	62	6	6	8	10	7	6	6	7	9	7.9	61.6
16-Mar-06	9	8	8	9	A	9	9	10	9	8	7	4	3	3	3	5	6	5	15	8	5	5	5	8	7.0	14.9
17-Mar-06	14	13	8	11	A	10	12	14	15	11	8	8	8	8	9	8	8	8	8	8	7	6	7	5	9.3	15.0
18-Mar-06	3	3	7	6	A	3	3	3	3	2	4	3	3	3	2	3	4	4	5	7	7	9	27	11	5.4	27.5
19-Mar-06	12	142	169	7	A	38	29	70	91	66	50	21	17	9	13	12	16	18	25	15	14	10	16	16	38.0	168.6
20-Mar-06	29	47	12	28	A	16	29	23	18	90	83	105	20	14	21	21	7	9	6	6	5	5	5	5	26.2	105.3
21-Mar-06	6	5	4	4	A	5	9	15	53	38	38	21	15	17	6	8	7	7	7	7	6	5	5	5	12.7	53.2
22-Mar-06	7	5	4	4	A	6	10	102	79	82	43	24	17	13	14	19	14	29	8	7	10	6	14	26	23.6	101.8
23-Mar-06	12	5	18	25	A	25	57	77	70	47	52	21	20	13	12	13	8	10	6	9	5	7	4	5	22.6	76.6
24-Mar-06	7	7	6	8	A	28	13	15	41	27	11	11	12	56	13	17	14	15	22	18	14	22	17	9	17.5	55.8
25-Mar-06	17	20	38	14	A	31	60	57	47	78	26	23	21	18	16	13	15	35	30	31	16	11	8	13	27.7	78.3
26-Mar-06	13	23	40	24	A	8	7	13	18	42	19	14	3	3	5	3	6	7	7	8	12	15	6	4	13.1	42.1
27-Mar-06	5	4	4	5	A	9	8	12	11	11	4	3	3	4	4	4	3	7	6	6	6	33	19	24	8.5	33.5
28-Mar-06	22	8	10	12	A	19	53	24	60	57	32	5	2	2	3	5	3	3	2	6	5	6	3	4	15.1	60.2
29-Mar-06	5	5	4	5	A	2	18	36	31	21	9	8	9	9	9	7	6	7	32	32	39	42	22	14	16.1	41.6
30-Mar-06	23	7	8	17	A	17	25	26	33	19	7	5	3	2	3	2	4	4	7	7	13	18	10	7	11.6	33.0
31-Mar-06	14	11	9	14	A	8	12	24	26	19	10	9	3	2	2	1	2	2	6	7	9	5	3	4	8.7	26.5
Hourly Avg	13.3	15.7	16.7	N	N	21.2	19.1	31.1	33.4	31.0	21.3	16.1	10.3	11.7	10.9	10.0	8.3	10.4	12.0	11.7	10.7	12.0	11.8	10.5		
Hourly Max	60.8	142.2	168.6	56.6	46.6	123.0	59.8	172.0	112.0	90.0	82.8	105.3	37.4	61.7	61.6	46.8	28.2	34.9	47.2	40.2	42.1	41.6	52.1	37.8		

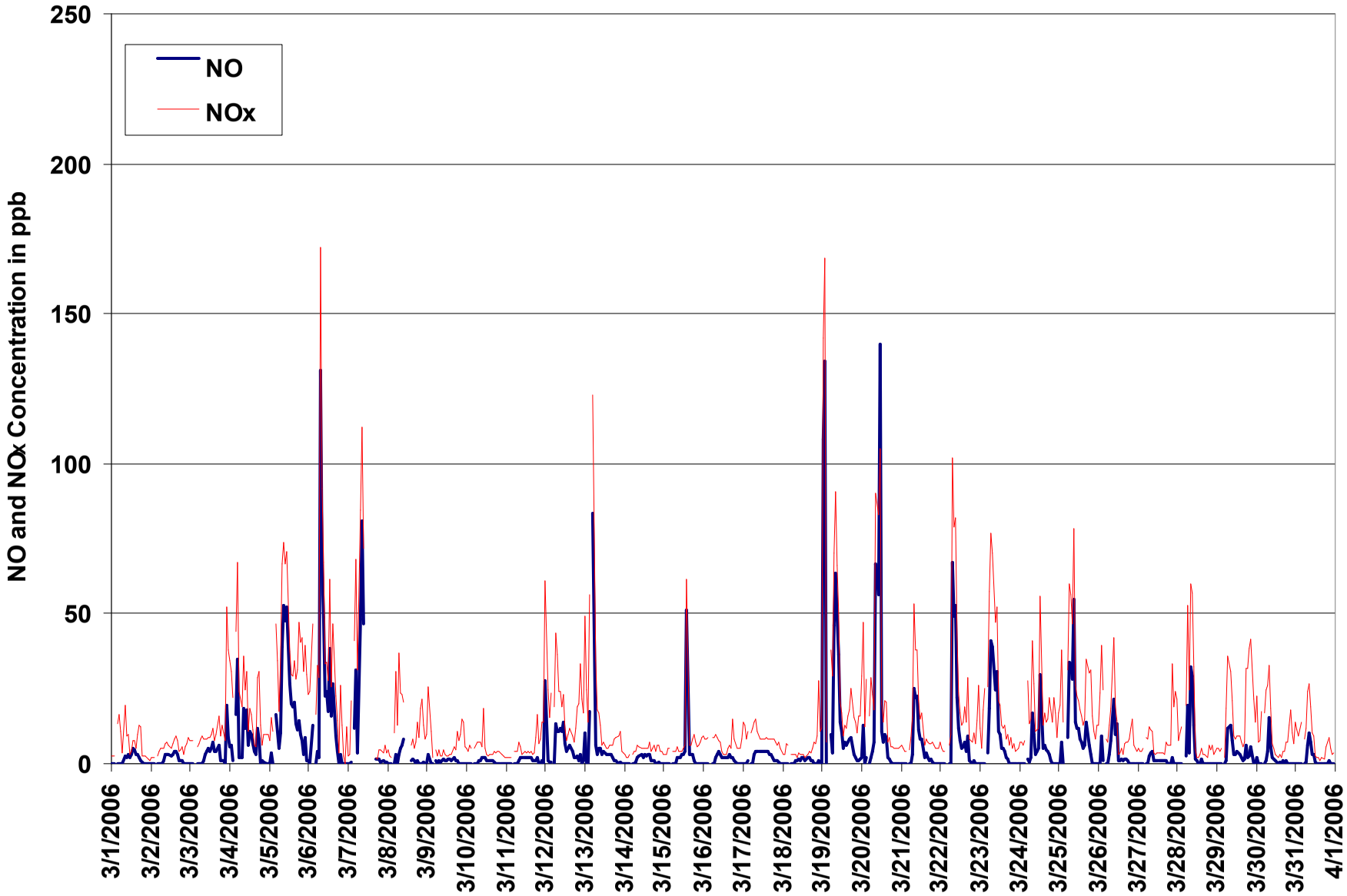


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

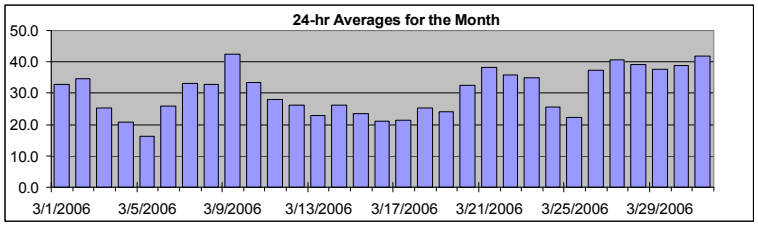
Ozone (O_3)

Monitoring Dates: March 1, 2006 to April 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:	53.3	ppb	31-Mar	15:00 16:00
Maximum 24-hr Average:	42.5	ppb	9-Mar	



AIC Time:	32 hrs	Operational Time:	708 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	50.3	47.1	37.8	29.1	23.7	14.8	9.9	30.4 ppb	29.1 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-Mar-06	34	32	31	A	25	26	27	31	25	30	32	33	33	33	33	35	35	35	36	38	38	39	38	38	32.9	38.8
2-Mar-06	38	36	36	A	36	36	35	33	32	32	34	35	35	34	33	34	35	36	36	37	36	35	31	29	34.6	37.7
3-Mar-06	28	27	26	A	27	26	24	23	24	25	27	27	28	28	29	29	28	26	24	23	23	25	20	13	25.2	29.1
4-Mar-06	13	10	12	A	15	11	11	15	17	19	22	26	27	28	29	32	31	23	18	25	27	25	22	22	20.8	31.5
5-Mar-06	22	22	20	A	12	14	16	13	14	14	16	18	21	22	22	19	19	20	11	8	11	16	15	11	16.4	22.0
6-Mar-06	12	16	10	A	16	16	13	12	8	16	21	22	28	23	31	32	37	42	44	38	38	42	43	38	26.0	44.1
7-Mar-06	38	36	31	A	23	23	19	24	20	16	M	31	32	35	41	42	42	41	41	40	38	39	38	36	33.0	42.2
8-Mar-06	36	36	37	A	30	24	28	17	24	C	C	C	A	42	43	41	41	39	34	35	26	27	31	34	32.9	43.4
9-Mar-06	33	22	33	39	A	42	44	45	46	46	47	48	47	47	47	47	47	47	46	44	42	38	38	43	42.5	47.8
10-Mar-06	41	35	34	35	A	34	32	33	34	35	35	35	36	36	36	35	34	33	31	29	28	28	28	28	33.3	40.6
11-Mar-06	28	27	27	26	A	26	25	25	25	26	27	27	28	29	31	32	34	32	29	29	29	30	27	28	28.1	33.6
12-Mar-06	22	26	28	25	A	24	17	7	17	20	23	24	29	30	30	31	33	34	31	33	34	25	27	32	26.2	34.1
13-Mar-06	25	28	30	19	A	11	18	21	23	28	33	29	28	27	28	25	24	23	19	18	18	17	18	19	23.0	33.0
14-Mar-06	21	22	24	24	A	25	26	27	27	30	31	31	31	30	29	28	28	27	26	25	23	22	23	23	26.2	31.4
15-Mar-06	25	25	23	22	A	22	22	23	24	25	25	25	25	26	26	27	27	25	21	22	22	21	22	18	23.6	26.8
16-Mar-06	17	18	18	17	A	16	16	16	19	21	23	24	24	25	26	26	25	25	21	22	23	23	23	20	21.1	25.6
17-Mar-06	14	16	18	16	A	15	15	14	17	20	23	24	26	26	26	26	26	25	24	22	24	25	25	26	21.4	26.1
18-Mar-06	26	26	24	25	A	24	24	24	24	25	25	25	26	27	28	28	28	29	28	25	26	24	16	21	25.2	28.7
19-Mar-06	22	21	20	24	A	15	12	14	18	21	23	25	27	30	30	29	29	29	28	28	26	30	28	28	24.2	29.8
20-Mar-06	22	13	26	24	A	20	19	21	24	24	22	27	33	35	37	45	49	47	47	45	43	41	42	41	32.4	48.8
21-Mar-06	39	38	39	40	A	42	41	38	30	29	27	33	37	40	44	43	43	42	41	40	40	40	38	38	38.3	43.5
22-Mar-06	38	39	41	41	A	37	36	29	21	18	27	34	35	37	39	38	38	34	44	43	43	45	39	30	35.8	45.2
23-Mar-06	38	37	33	27	A	29	13	8	16	24	25	29	32	38	41	43	45	44	45	46	50	50	47	42	34.9	50.1
24-Mar-06	36	32	32	30	A	24	24	22	21	22	27	27	27	28	27	26	26	23	20	18	25	27	22	25	25.7	36.2
25-Mar-06	21	17	11	16	A	6	4	5	12	13	20	23	23	27	31	33	32	32	26	24	27	36	39	36	22.4	39.0
26-Mar-06	33	33	27	21	A	33	35	34	32	26	32	38	44	45	46	46	46	44	43	43	40	37	39	40	37.3	46.3
27-Mar-06	39	38	39	38	A	39	39	38	37	40	45	46	47	47	47	47	47	45	43	42	43	30	31	29	40.7	47.3
28-Mar-06	31	40	37	36	A	30	19	28	29	28	30	42	44	47	48	49	49	49	48	44	43	41	44	43	39.1	49.4
29-Mar-06	40	40	40	39	A	42	37	31	26	34	39	39	40	40	44	46	48	49	40	34	38	23	29	31	37.8	48.7
30-Mar-06	34	39	41	27	A	23	25	28	21	30	38	46	50	51	51	50	49	48	46	43	41	38	36	36	38.8	51.1
31-Mar-06	32	32	32	31	A	31	29	30	27	32	36	43	48	51	52	53	53	53	50	49	48	49	49	50	41.8	53.3
Hourly Avg	29.0	28.4	28.4	N	N	25.4	24.1	23.5	23.8	25.6	28.8	31.2	33.0	34.3	35.6	36.0	36.3	35.5	33.6	32.6	32.7	31.8	31.3	30.6		
Hourly Max	40.6	39.9	40.9	40.9	36.1	42.3	43.8	45.5	45.8	46.1	46.6	47.8	50.3	50.8	52.5	53.3	53.0	52.8	50.1	49.1	49.7	50.1	49.1	50.0		

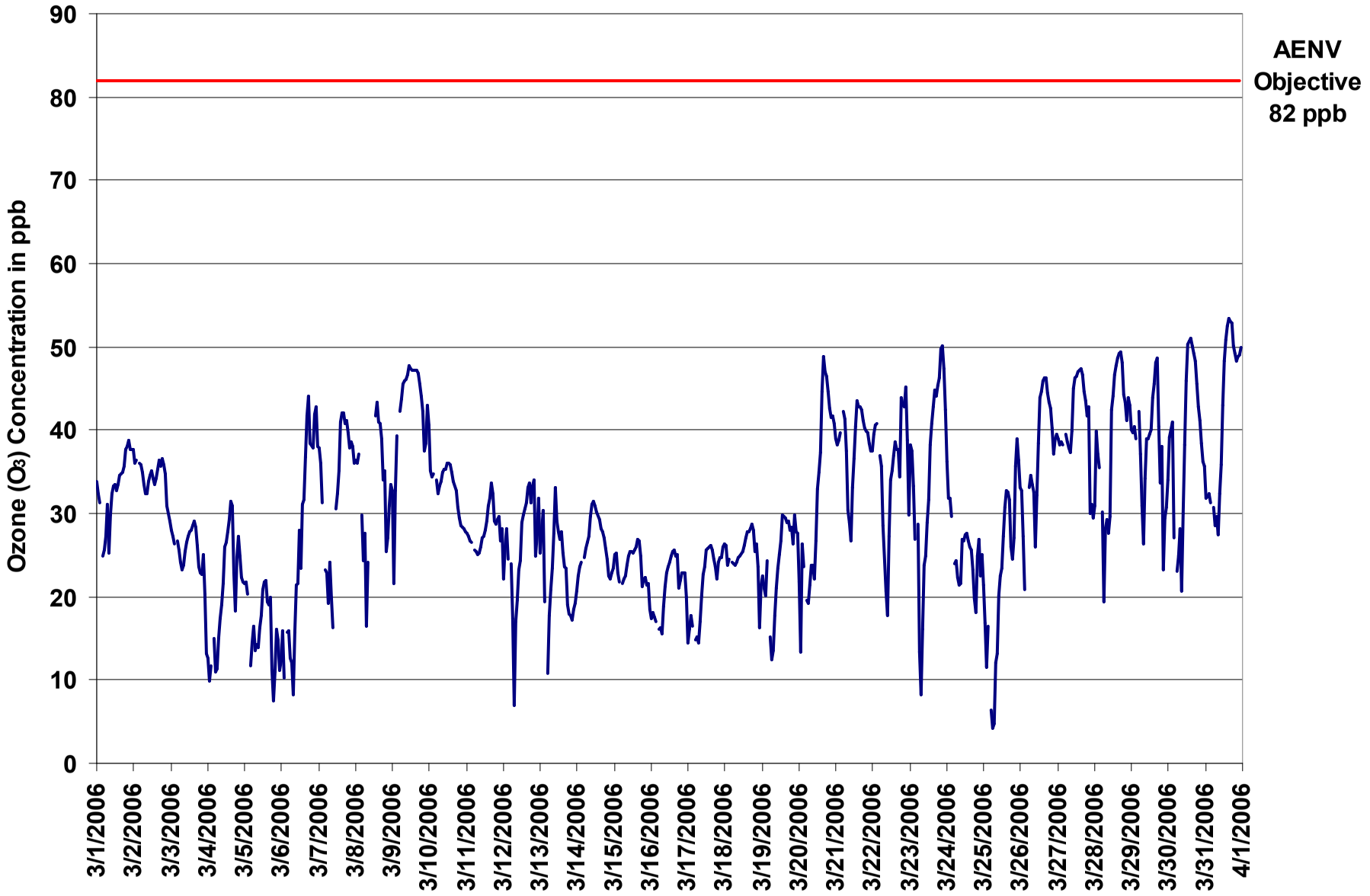


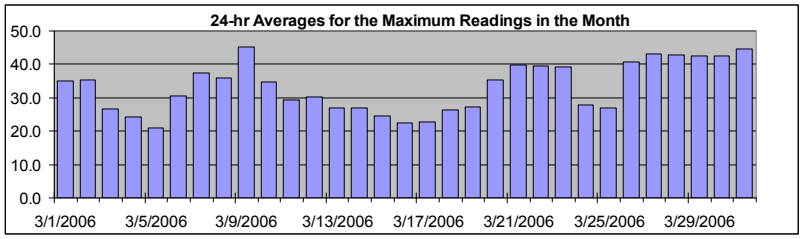
Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

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



Summary

Maximum 1-hr Value:	54.3	ppb	31-Mar	16:00 17:00
Maximum 24-hr Value:	45.1	ppb	9-Mar	

AIC Time:	32 hrs	Operational Time:	708 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	52.0	48.6	40.2	32.3	26.0	19.0	16.5	33.1 ppb	32.3 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-Mar-06	35	33	33	A	28	31	32	33	33	33	33	34	34	34	35	35	38	38	38	38	39	39	39	38	34.9	39.2
2-Mar-06	38	37	37	A	37	36	36	34	33	33	34	35	36	35	34	35	37	37	37	37	36	36	33	30	35.4	38.2
3-Mar-06	29	28	27	A	27	27	25	24	25	26	27	28	28	29	30	30	30	28	26	24	24	26	26	19	26.6	29.7
4-Mar-06	19	16	17	A	19	22	18	17	23	21	26	27	29	29	31	32	32	31	23	28	29	27	24	23	24.3	32.2
5-Mar-06	23	23	23	A	17	17	19	19	20	21	19	20	22	24	24	21	20	26	18	20	20	21	23	22	20.9	26.1
6-Mar-06	18	22	19	A	19	19	19	19	13	22	23	24	34	35	37	37	40	46	45	44	41	43	43	42	30.6	45.8
7-Mar-06	39	38	37	A	31	33	29	31	32	32	M	33	34	39	44	43	43	43	43	42	40	40	41	38	37.4	43.5
8-Mar-06	38	37	38	A	33	31	30	22	29	C	C	C	A	44	45	45	42	41	38	37	34	31	32	35	35.9	45.0
9-Mar-06	35	36	38	40	A	43	46	46	47	47	48	49	48	48	48	48	48	48	48	47	45	43	43	44	45.1	48.9
10-Mar-06	43	36	36	36	A	36	35	35	35	36	36	36	37	37	37	36	35	34	32	30	30	29	29	28	34.6	43.3
11-Mar-06	28	28	27	27	A	26	26	26	26	27	27	28	28	30	32	33	35	34	31	30	30	31	29	30	29.2	35.2
12-Mar-06	31	31	31	30	A	28	28	18	21	23	25	27	30	31	31	32	34	35	33	35	37	35	35	35	30.3	37.1
13-Mar-06	33	32	33	29	A	30	29	24	25	32	35	31	29	27	29	27	25	25	21	20	20	19	19	20	26.8	35.3
14-Mar-06	22	23	24	25	A	25	27	27	29	31	32	32	31	31	30	29	28	28	27	26	24	23	23	24	27.1	31.9
15-Mar-06	25	26	24	22	A	22	23	24	25	25	26	26	26	26	26	27	28	27	24	24	23	23	22	20	24.6	27.7
16-Mar-06	19	20	19	19	A	17	17	17	21	22	24	24	25	25	26	26	26	26	25	23	24	24	24	23	22.4	26.1
17-Mar-06	20	18	19	18	A	16	17	16	19	22	24	25	26	27	27	27	26	26	25	24	25	26	26	27	22.8	27.1
18-Mar-06	27	27	27	26	A	25	24	24	25	25	25	26	27	28	28	28	29	29	29	27	28	26	23	24	26.3	29.3
19-Mar-06	25	26	25	26	A	23	19	20	22	23	25	27	29	30	31	30	30	31	31	32	30	32	31	31	27.4	32.2
20-Mar-06	31	27	28	28	A	23	22	24	26	27	24	31	34	37	40	51	51	48	48	46	44	42	42	41	35.4	51.1
21-Mar-06	40	39	40	41	A	43	43	39	37	34	30	35	38	44	44	44	43	43	42	40	40	40	39	38	39.9	44.3
22-Mar-06	38	40	41	41	A	38	38	38	35	30	33	37	36	38	39	40	39	43	45	45	45	46	44	37	39.5	46.4
23-Mar-06	40	39	39	35	A	33	24	25	23	32	31	33	37	42	42	46	46	45	47	49	51	51	49	45	39.4	51.4
24-Mar-06	40	34	33	31	A	28	26	25	27	27	28	28	28	29	28	27	27	25	23	22	27	28	26	27	27.9	39.9
25-Mar-06	27	22	20	18	A	17	15	9	17	19	24	24	25	31	34	34	34	37	30	29	31	38	42	42	26.9	42.1
26-Mar-06	35	39	39	30	A	35	36	36	35	32	35	46	46	46	47	48	47	47	46	45	44	42	42	41	40.7	47.5
27-Mar-06	40	40	40	40	A	41	41	41	39	43	47	47	48	48	48	49	48	48	46	43	44	42	36	33	43.2	48.8
28-Mar-06	40	42	40	41	A	34	26	33	38	39	40	44	46	48	49	50	50	51	50	47	46	43	45	45	42.8	50.6
29-Mar-06	41	41	41	40	A	43	42	41	37	41	40	40	40	41	49	48	50	51	48	47	47	39	39	36	42.6	50.5
30-Mar-06	38	41	43	35	A	27	29	33	30	37	41	49	52	52	52	51	51	50	50	45	47	45	39	39	42.5	52.4
31-Mar-06	37	38	34	36	A	33	31	34	34	37	41	49	50	52	54	54	54	54	53	51	51	50	50	51	44.7	54.3
Hourly Avg	32.0	31.5	31.3	N	N	29.1	28.1	27.6	28.4	30.0	31.2	33.1	34.5	36.0	37.1	37.5	37.7	37.9	36.1	35.3	35.4	34.9	34.1	33.3		
Hourly Max	43.3	41.6	42.6	41.4	36.7	43.3	45.9	46.4	46.7	46.9	48.1	49.5	52.0	52.4	53.8	54.3	54.3	54.1	52.6	50.6	51.4	50.9	50.2	50.7		

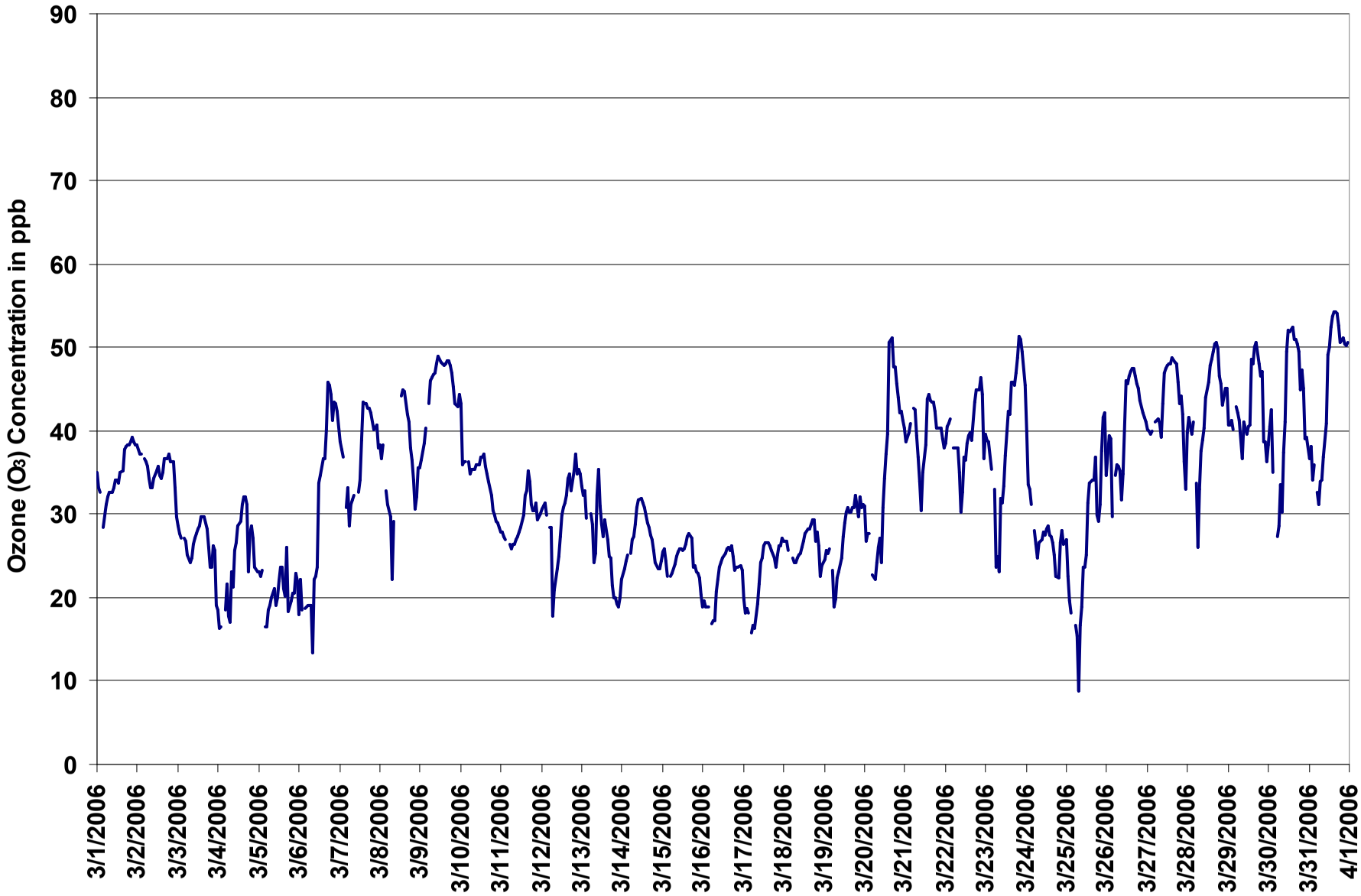
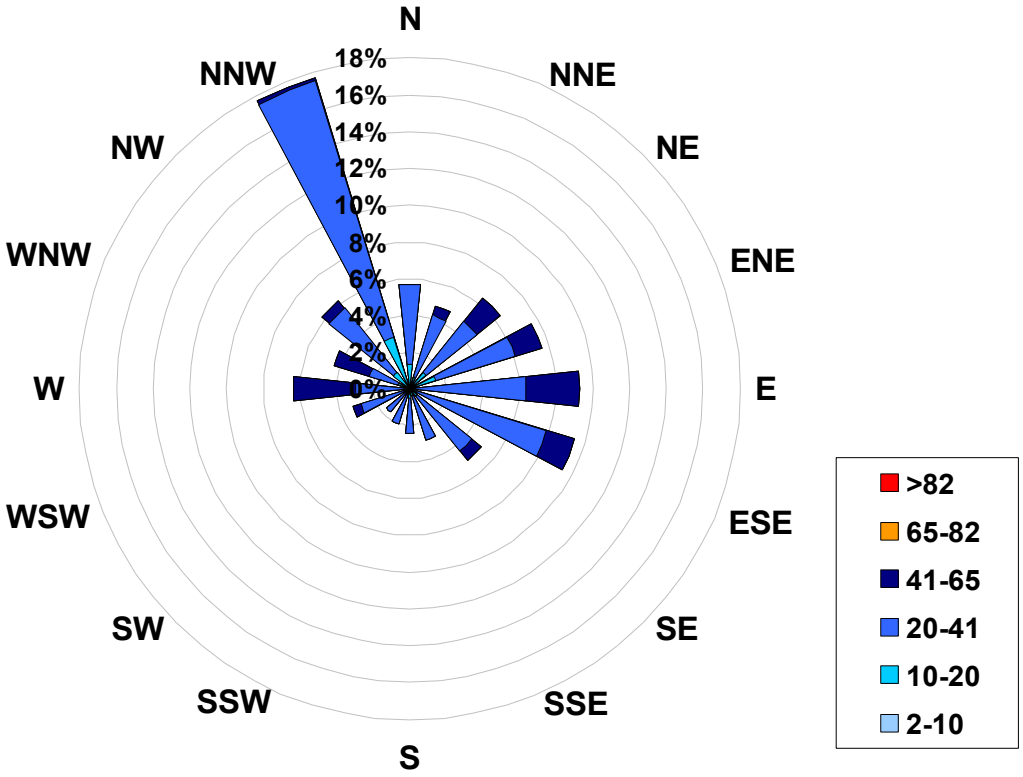


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	1%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	8
10	to	20	87
20	to	41	498
41	to	65	115
65	to	82	0
	>	82	0
Total Non-Zero Values			708

PASZA - Beaverlodge - Ozone Monthly Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

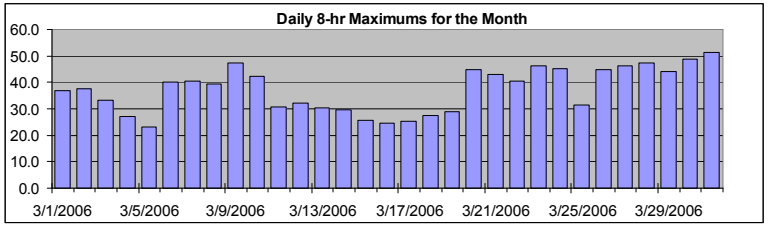
Station: Beaverlodge
Station Owner: PASZA

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

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	51.3	ppb	31-Mar	20:00 21:00



Percentile	99	95	75	50	25	5	1
	48.6	45.2	36.9	29.4	23.9	16.3	12.4

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Mar-06	19	21	23	24	25	26	27	29	28	28	28	29	30	31	31	32	33	34	34	35	35	36	37	37	36.9
2-Mar-06	37	37	38	38	37	37	36	36	35	35	34	34	34	34	34	34	34	35	35	35	35	35	35	34	37.5
3-Mar-06	33	32	31	30	29	28	27	26	25	25	25	25	25	26	26	27	28	28	27	27	26	26	25	23	33.4
4-Mar-06	21	19	17	16	15	13	12	12	13	14	16	17	18	21	23	25	27	27	27	26	27	26	25	24	27.1
5-Mar-06	23	23	23	23	21	19	18	17	16	15	14	15	16	17	18	18	19	20	19	18	16	16	15	14	23.1
6-Mar-06	13	13	12	13	14	14	13	14	13	13	15	15	17	18	20	23	26	29	32	34	36	38	39	40	40.2
7-Mar-06	40	40	38	38	36	33	30	28	25	22	N	22	24	25	29	31	34	38	38	39	40	40	40	39	40.4
8-Mar-06	39	38	37	37	36	34	33	30	28	N	N	N	N	N	N	N	N	N	N	39	38	36	34	33	39.3
9-Mar-06	32	30	30	30	31	33	35	37	39	42	44	45	46	46	47	47	47	47	47	47	46	45	44	43	47.2
10-Mar-06	42	41	39	38	38	37	36	35	34	34	34	34	34	35	35	35	35	35	34	34	33	32	31	30	42.3
11-Mar-06	29	29	28	28	27	27	27	26	26	26	26	26	26	27	27	28	29	30	30	30	31	31	30	30	30.7
12-Mar-06	28	27	27	27	26	26	24	21	21	20	19	19	20	21	23	26	28	29	30	31	32	32	31	31	32.1
13-Mar-06	30	29	29	28	27	25	23	22	21	21	22	23	24	26	27	28	28	27	25	24	23	21	20	20	30.2
14-Mar-06	19	19	20	20	21	22	23	24	25	26	27	28	28	29	30	30	30	29	29	28	27	26	25	25	29.8
15-Mar-06	24	24	24	23	23	23	23	23	23	23	23	24	24	24	25	25	26	26	25	25	24	24	23	22	25.8
16-Mar-06	21	20	20	19	19	18	17	17	17	18	18	19	20	21	22	23	24	25	24	24	24	24	23	23	24.6
17-Mar-06	21	20	20	19	19	17	16	16	16	17	17	18	19	21	22	23	24	25	25	25	25	25	24	24	25.1
18-Mar-06	25	25	25	25	25	25	25	25	24	24	24	24	25	25	25	26	27	27	27	27	27	27	26	25	27.4
19-Mar-06	24	23	22	22	21	20	20	18	18	18	18	18	19	21	23	25	27	28	28	29	29	29	28	28	28.7
20-Mar-06	27	25	25	25	24	23	22	21	21	23	22	22	24	26	28	31	34	37	40	42	43	44	45	44	44.7
21-Mar-06	43	42	41	40	40	40	40	40	38	37	35	34	35	34	35	35	37	39	40	41	42	42	41	40	43.0
22-Mar-06	40	39	39	39	39	39	38	37	35	32	30	29	29	29	30	31	33	35	37	38	39	40	40	39	40.4
23-Mar-06	40	40	39	37	36	33	30	27	23	21	20	21	22	23	27	31	34	37	40	42	44	45	46	46	46.3
24-Mar-06	45	44	42	40	38	35	31	29	26	25	24	24	24	25	25	26	26	26	25	24	24	24	23	23	45.2
25-Mar-06	23	22	21	21	20	17	15	12	10	10	11	12	13	16	19	23	25	28	28	29	29	30	31	32	31.6
26-Mar-06	32	32	32	32	32	32	31	31	31	30	30	33	34	36	37	39	40	43	44	45	44	43	42	42	44.7
27-Mar-06	41	40	39	39	39	39	39	39	38	39	39	41	41	42	43	45	46	46	46	46	45	43	41	39	46.3
28-Mar-06	37	36	35	35	33	33	32	32	31	30	29	30	31	33	37	40	42	45	47	47	47	46	46	45	47.3
29-Mar-06	44	43	42	41	41	41	40	38	37	36	36	36	36	36	37	38	41	43	43	42	42	40	38	37	44.2
30-Mar-06	35	34	34	33	32	32	31	31	29	28	27	30	33	36	39	42	46	48	49	49	47	46	44	42	48.9
31-Mar-06	40	38	36	35	34	33	32	31	30	30	31	32	34	37	40	43	46	49	50	51	51	51	51	50	51.3
Hourly Max	45.2	43.7	42.0	41.3	41.0	41.2	40.2	39.6	38.7	42.2	44.2	45.4	45.7	46.3	46.7	46.9	47.1	48.7	50.5	51.2	51.3	51.0	50.6	50.2	

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

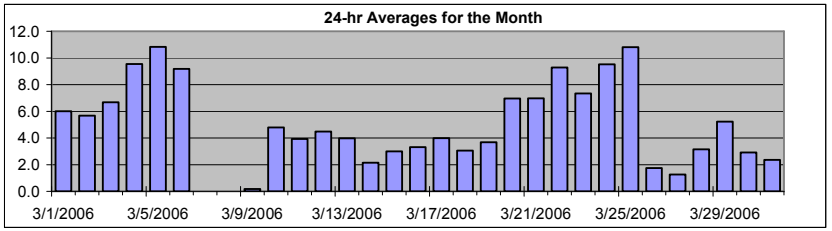
Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: March 1, 2006 to April 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:	17.7	µg/m³	25-Mar	9:00 10:00
Maximum 24-hr Value:	10.8	µg/m³	5-Mar	

AIC Time:	0 hrs	Operational Time:	719 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	97.8%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	14.8	11.9	7.2	4.3	2.7	0.0	0.0	5.2 / 4 µg/m³	4.2 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-Mar-06	6	6	6	6	7	6	7	6	6	6	6	6	6	7	8	7	8	7	5	4	5	5	5	5	6.0	8.0
2-Mar-06	6	5	5	5	4	6	6	6	8	6	5	5	5	6	6	5	4	4	4	5	6	6	8	9	5.7	8.9
3-Mar-06	8	8	8	6	5	5	5	5	7	5	6	7	6	7	7	7	8	7	7	6	7	6	6	9	6.7	8.5
4-Mar-06	7	8	6	8	17	10	9	7	7	9	9	9	10	12	11	9	10	10	9	12	12	10	9	8	9.5	16.6
5-Mar-06	8	9	8	7	8	6	7	7	11	17	13	16	12	11	12	12	12	12	13	12	14	11	11	12	10.8	16.9
6-Mar-06	12	12	13	12	11	11	12	11	15	12	12	14	11	13	11	12	10	4	1	2	4	1	1	4	9.2	15.0
7-Mar-06	3	4	4	4	4	6	5	6	8	9	M	M	0	4	0	C	C	C	C	C	0	D	D	0	N	8.7
8-Mar-06	0	0	0	D	0	D	0	D	0	0	C	C	C	C	D	D	D	D	D	D	D	D	0	0	N	0.0
9-Mar-06	0	1	D	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2	1.2
10-Mar-06	3	4	3	4	3	4	5	5	5	5	3	3	3	3	6	6	8	8	7	7	5	5	5	4	4.8	7.9
11-Mar-06	3	4	3	3	3	3	3	3	4	3	3	2	2	3	4	4	6	7	5	6	6	5	6	5	3.9	6.7
12-Mar-06	5	4	2	2	3	3	3	5	6	8	5	5	3	4	6	7	5	5	5	3	4	4	4	5	4.5	7.6
13-Mar-06	3	3	3	4	2	5	2	5	9	10	8	5	4	3	4	5	4	2	3	3	3	3	2	1	4.0	10.4
14-Mar-06	1	1	1	1	2	2	2	2	3	2	2	1	2	2	2	3	3	2	2	3	3	2	3	3	2.1	3.1
15-Mar-06	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	4	3	4	4	3	3	3	4	3.0	4.5
16-Mar-06	5	5	4	3	3	4	4	3	3	3	2	2	2	4	4	4	4	3	3	3	3	3	3	3	3.3	4.6
17-Mar-06	4	3	3	3	3	3	4	4	4	5	4	4	5	5	5	5	5	4	5	5	3	4	4	3	4.0	5.4
18-Mar-06	3	3	3	4	4	4	3	4	4	3	3	3	3	2	2	3	2	2	2	3	2	3	4	3	3.1	4.5
19-Mar-06	1	2	2	2	1	2	3	4	5	4	5	4	4	3	4	6	7	5	5	4	4	4	4	4	3.7	6.9
20-Mar-06	2	5	5	4	2	4	3	7	9	9	11	10	9	9	10	10	10	11	8	8	5	3	5	6	7.0	11.3
21-Mar-06	4	5	6	7	4	5	4	5	6	10	10	7	9	11	13	10	7	7	7	6	7	5	5	6	7.0	13.1
22-Mar-06	8	7	8	6	7	7	6	8	10	15	11	10	11	12	11	12	12	13	10	8	9	8	5	8	9.3	14.8
23-Mar-06	9	6	7	9	8	7	8	9	11	9	9	8	9	7	7	8	7	6	5	7	6	7	3	3	7.3	11.0
24-Mar-06	7	6	5	4	6	8	8	11	11	10	12	11	11	10	10	13	11	13	12	12	9	11	11	9	9.5	13.1
25-Mar-06	10	12	12	11	11	11	13	14	15	18	15	15	13	11	11	11	12	10	9	6	9	6	3	2	10.8	17.7
26-Mar-06	3	0	8	1	4	2	1	3	3	2	3	1	0	0	0	0	0	1	0	3	2	1	2	2	1.7	8.1
27-Mar-06	1	1	1	0	2	2	0	0	1	2	0	0	0	0	0	0	0	1	1	2	2	4	4	5	1.3	4.6
28-Mar-06	2	1	2	2	2	4	4	6	5	7	4	2	2	2	2	2	2	4	5	4	4	3	3	2	3.1	6.8
29-Mar-06	3	4	2	2	2	2	2	3	5	4	4	6	6	6	4	5	5	8	10	9	8	11	7	7	5.2	10.9
30-Mar-06	5	4	3	3	3	4	3	4	4	3	2	0	0	1	1	1	2	2	2	3	4	4	6	4	2.9	5.8
31-Mar-06	4	3	3	2	2	2	2	3	4	3	4	1	0	0	0	1	3	2	6	0	2	3	4	4	2.4	5.5
Hourly Avg	4.5	4.4	4.6	4.1	4.4	4.7	4.5	5.3	6.2	6.5	6.0	5.5	5.1	5.3	5.5	5.9	6.0	5.6	5.3	5.3	5.1	4.9	4.5	4.5		
Hourly Max	12.1	12.4	13.0	11.8	16.6	11.2	12.6	13.6	15.1	17.7	15.1	15.9	13.4	12.7	13.1	13.1	12.5	13.0	13.0	12.0	13.7	11.4	11.5	11.8		

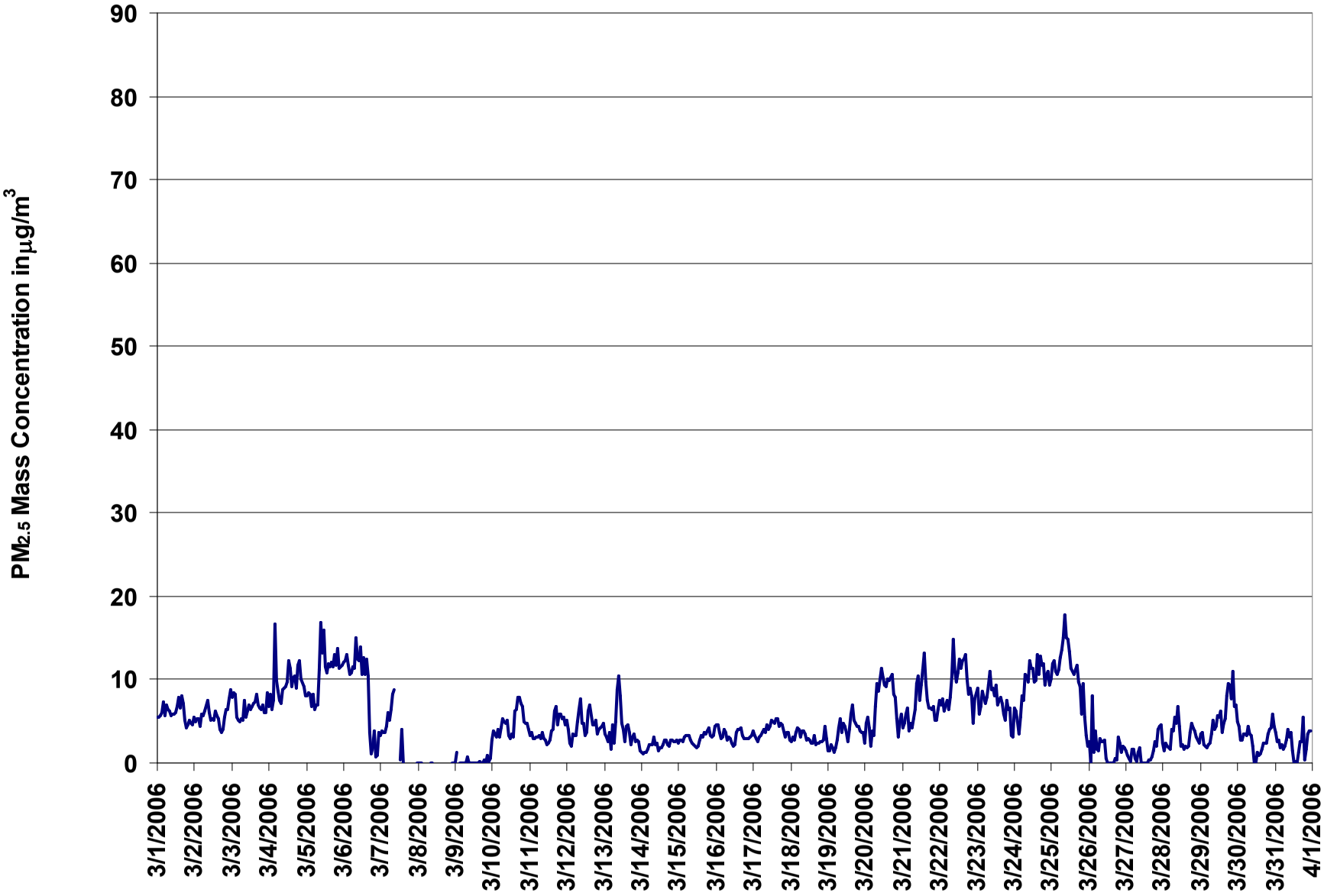


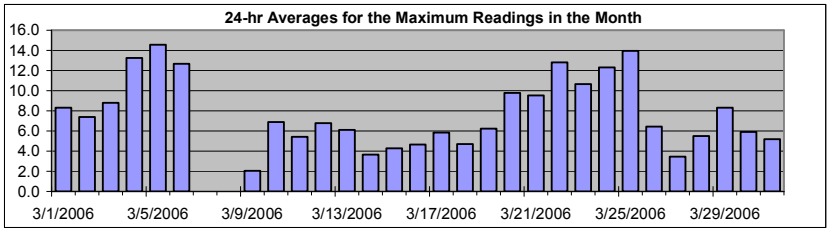
Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	46.4	µg/m³	4-Mar	4:00 5:00
Maximum 24-hr Value:	14.6	µg/m³	5-Mar	

AIC Time:	0 hrs	Operational Time:	719 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	97.8%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	19.8	15.5	10.1	6.6	4.5	2.2	0.0	7.7 7 µg/m³	7.0 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-Mar-06	8	7	7	8	9	8	10	8	11	12	8	8	10	10	10	8	10	9	8	6	6	7	7	6	8.3	11.6
2-Mar-06	7	7	7	7	6	8	7	8	9	8	7	7	7	8	7	7	6	5	6	7	8	7	11	11	7.4	11.0
3-Mar-06	10	10	9	8	7	7	7	7	11	7	8	8	8	9	10	11	9	9	9	8	9	10	9	12	8.8	11.5
4-Mar-06	9	10	9	9	46	17	13	9	10	11	11	15	12	14	13	10	12	12	11	16	15	12	12	11	13.2	46.4
5-Mar-06	12	10	11	14	12	9	10	9	18	22	21	20	17	20	15	14	15	15	15	14	16	13	13	15	14.6	22.2
6-Mar-06	15	15	15	15	13	14	17	17	22	16	16	16	16	18	14	17	12	7	3	4	7	4	3	9	12.7	21.6
7-Mar-06	6	7	6	6	7	12	13	12	11	13	M	M	4	9	8	C	C	C	C	C	0	D	D	0	N	13.3
8-Mar-06	0	0	0	D	0	D	0	D	0	0	C	C	C	C	D	D	D	D	D	D	D	D	0	0	N	0.0
9-Mar-06	5	5	D	1	1	1	0	2	3	2	1	2	2	1	2	2	3	2	1	1	2	2	2	2	2.1	5.5
10-Mar-06	7	7	5	5	6	5	6	6	6	6	6	4	5	5	9	9	10	13	11	8	7	6	6	5	6.9	12.8
11-Mar-06	5	5	4	5	5	4	4	5	5	4	4	3	3	4	5	5	10	9	6	7	7	7	7	6	5.4	9.8
12-Mar-06	10	7	4	4	5	6	4	6	10	11	7	7	6	6	8	10	6	6	6	6	6	8	7	7	6.8	10.7
13-Mar-06	6	4	5	8	5	10	7	7	11	12	10	8	5	4	6	6	7	4	4	5	3	4	4	3	6.1	12.4
14-Mar-06	3	3	3	3	3	4	4	3	6	3	4	3	4	3	4	4	4	3	4	4	5	4	4	4	3.7	5.5
15-Mar-06	3	4	4	4	5	4	4	4	4	4	3	3	3	5	5	5	5	5	5	6	5	4	5	6	4.3	5.6
16-Mar-06	6	6	5	4	5	5	5	4	4	4	4	3	3	5	5	5	6	5	4	4	5	5	5	5	4.7	6.4
17-Mar-06	6	6	4	4	5	5	6	6	5	6	5	6	8	6	6	7	7	7	7	6	5	7	5	4	5.8	7.6
18-Mar-06	4	4	4	5	6	7	5	6	5	5	4	4	5	4	4	6	5	5	3	4	4	4	7	5	4.7	6.8
19-Mar-06	3	4	5	3	5	5	4	7	8	13	11	6	5	4	6	9	8	8	6	6	6	5	6	6	6.2	12.8
20-Mar-06	5	7	7	6	3	5	5	9	12	13	21	14	11	12	14	14	13	14	10	11	8	5	7	8	9.8	21.3
21-Mar-06	6	6	8	9	7	10	6	7	11	13	16	9	12	13	16	12	10	9	8	8	8	7	7	9	9.5	15.7
22-Mar-06	12	13	13	9	9	9	10	12	14	18	13	13	15	14	15	15	14	16	13	13	14	14	8	13	12.8	17.7
23-Mar-06	12	8	13	11	11	13	10	13	14	13	12	11	12	11	10	11	9	10	8	10	8	8	7	9	10.7	14.5
24-Mar-06	10	8	10	7	10	11	10	13	15	12	14	14	14	13	14	16	13	15	13	14	11	13	13	12	12.3	15.8
25-Mar-06	12	16	16	16	13	16	17	17	18	22	16	18	15	15	15	14	13	12	13	9	11	9	6	5	13.9	22.5
26-Mar-06	5	3	43	7	6	5	3	9	10	10	8	4	2	1	5	2	2	2	2	8	6	2	4	4	6.4	43.2
27-Mar-06	4	3	2	2	4	4	2	1	3	4	3	2	3	2	3	4	3	4	3	5	4	6	6	6	3.5	6.2
28-Mar-06	6	3	4	7	3	7	6	9	8	10	6	4	4	3	4	3	4	7	8	5	6	5	4	4	5.5	10.5
29-Mar-06	6	5	4	4	3	4	4	6	7	6	6	8	7	8	8	9	7	10	15	15	14	19	11	11	8.3	19.0
30-Mar-06	8	8	4	5	5	6	6	5	7	6	5	5	4	6	5	3	5	5	5	5	10	8	8	7	5.9	10.2
31-Mar-06	6	4	4	3	5	3	3	6	7	5	8	7	4	3	3	3	6	8	11	1	5	7	5	8	5.2	10.8
Hourly Avg	7.0	6.7	7.9	6.6	7.4	7.4	6.7	7.8	9.2	9.5	8.9	8.0	7.5	7.8	8.2	8.3	8.1	8.1	7.6	7.5	7.3	7.3	6.7	6.8		
Hourly Max	15.3	15.8	43.2	15.7	46.4	16.8	16.9	17.2	21.6	22.5	21.3	19.8	17.0	19.8	15.6	17.2	14.7	15.5	15.0	16.1	16.0	19.0	13.5	14.8		

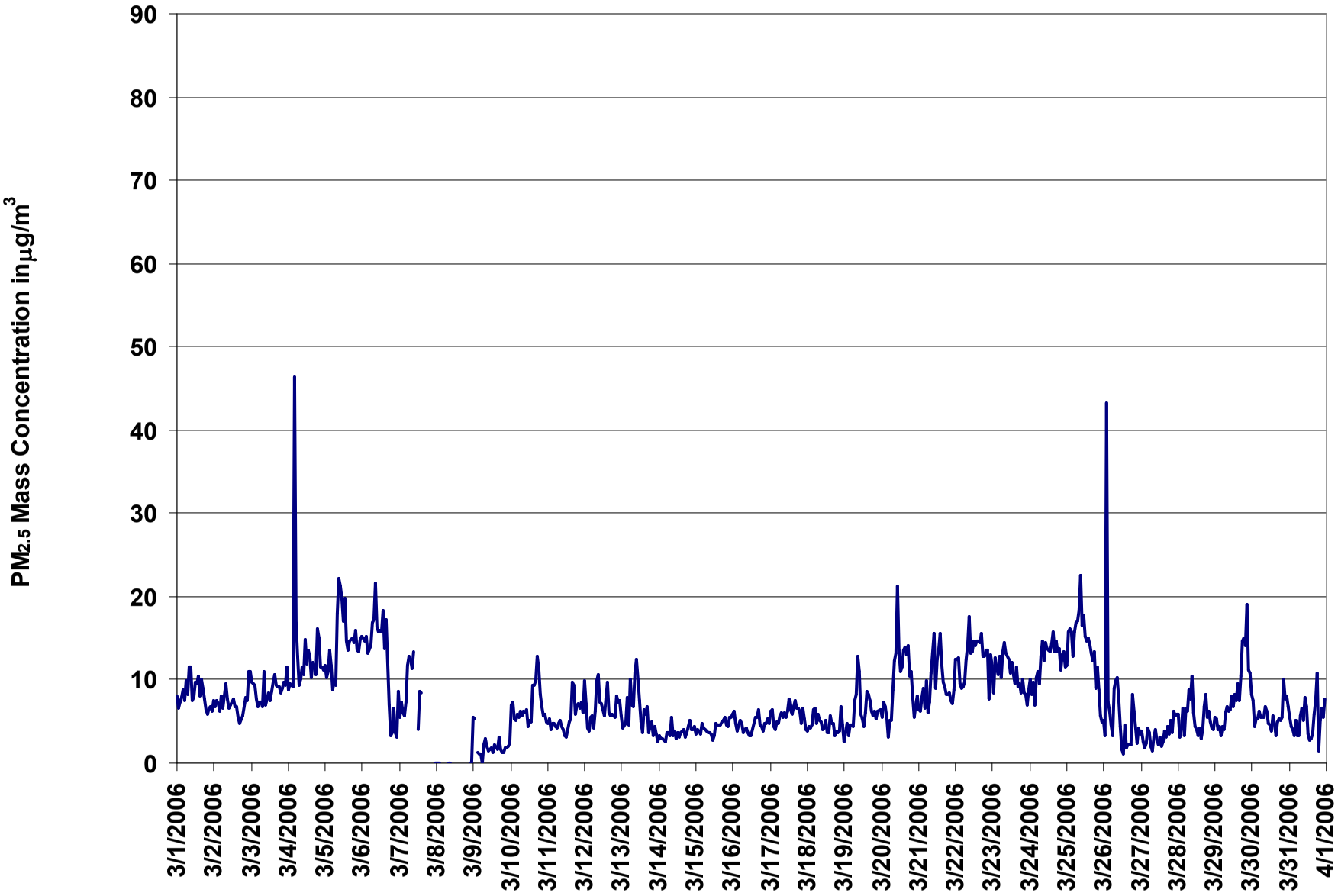
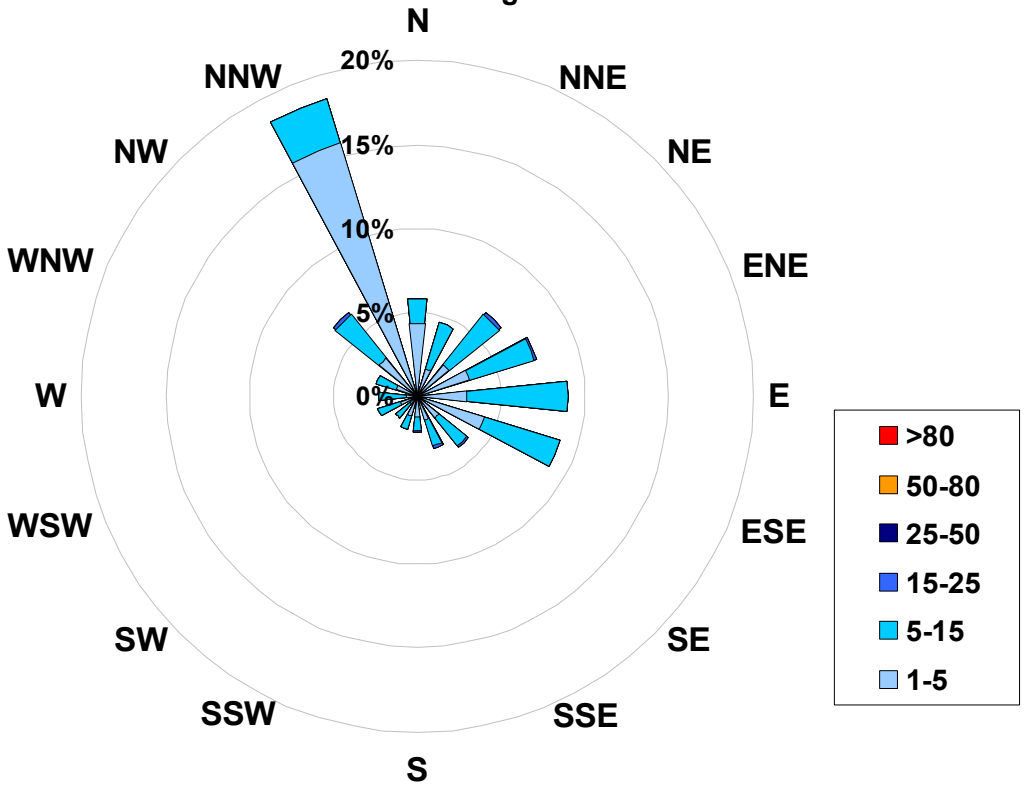


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	1%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	413
5	to	15	300
15	to	25	6
25	to	50	0
50	to	80	0
	>	80	0
Total Non-Zero Values			719

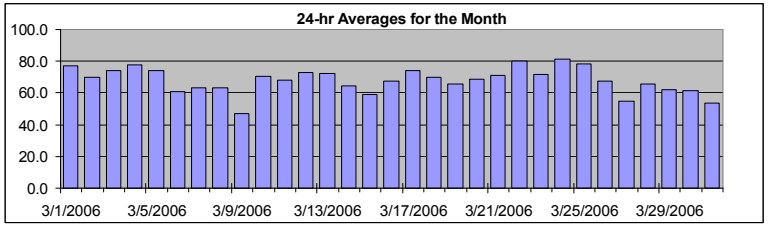
PASZA - Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Relative Humidity (RH)

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



Summary

Maximum 1-hr Average:	95.7	%	26-Mar	1:00 2:00
Maximum 24-hr Value:	81.5	%	24-Mar	

AIC Time:	0 hrs	Operational Time:	743 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	93.5	88.8	78.9	70.7	57.3	39.2	32.1	68.0 %	70.7 %

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-06	82	88	88	88	88	88	86	85	84	79	76	72	62	57	72	69	73	75	78	75	73	70	68	69	76.9	88.4
2-Mar-06	72	74	77	79	80	81	81	82	80	74	69	59	47	56	60	62	62	63	67	68	68	70	73	75	69.9	82.4
3-Mar-06	76	78	78	79	79	78	78	79	81	79	77	72	73	70	48	36	43	65	81	86	86	88	86	86	74.3	88.3
4-Mar-06	86	87	86	86	87	85	85	85	81	76	68	55	65	59	56	64	58	72	82	86	86	89	90	89	77.7	89.6
5-Mar-06	89	89	89	86	86	84	84	83	83	76	67	63	54	42	47	63	61	70	73	77	78	77	78	80	74.1	89.3
6-Mar-06	82	82	81	78	78	78	79	75	72	57	44	42	48	49	33	43	38	51	54	57	59	56	56	68	60.7	82.0
7-Mar-06	69	73	74	78	79	84	87	83	79	75	M	48	41	48	39	42	46	50	53	57	63	63	62	68	63.4	86.5
8-Mar-06	69	71	69	66	68	71	75	71	64	61	58	55	53	54	49	48	56	64	65	72	71	67	67	64	63.5	74.6
9-Mar-06	69	81	70	59	58	56	52	50	52	52	47	35	33	32	32	33	33	32	35	38	41	41	45	45	46.8	80.9
10-Mar-06	55	79	75	76	73	71	76	76	73	69	64	60	57	56	59	64	69	73	78	78	77	78	80	80	70.7	80.4
11-Mar-06	79	76	76	76	77	77	77	75	75	73	64	57	52	51	47	48	55	61	67	70	72	73	78	83	68.4	83.4
12-Mar-06	85	87	87	86	86	87	85	83	82	79	73	61	65	52	42	36	51	58	66	72	74	81	84	85	72.8	87.4
13-Mar-06	87	88	89	86	86	84	85	84	82	80	78	68	62	55	54	52	54	57	62	63	66	70	74	75	72.5	88.7
14-Mar-06	74	73	73	73	72	71	72	72	71	67	63	58	56	54	52	51	54	56	58	60	63	65	67	69	64.4	74.1
15-Mar-06	70	71	70	70	68	68	67	65	62	60	54	49	50	45	43	39	45	50	55	61	64	65	65	66	59.2	70.9
16-Mar-06	67	66	68	69	69	70	74	76	73	69	62	56	60	56	50	47	64	65	72	75	75	76	77	80	67.4	79.9
17-Mar-06	82	82	81	81	81	81	81	81	79	76	70	69	65	65	64	64	64	65	69	72	72	76	79	79	74.1	81.9
18-Mar-06	77	78	78	75	77	78	77	78	76	75	74	68	62	57	54	51	57	61	63	69	71	76	75	75	70.0	78.4
19-Mar-06	78	79	79	79	76	79	81	78	72	58	48	58	55	47	45	39	45	55	60	66	73	74	77	80	65.8	81.0
20-Mar-06	81	87	87	86	86	87	87	85	73	66	59	48	47	32	39	43	60	65	66	68	70	73	74	75	68.6	87.0
21-Mar-06	77	79	80	80	80	80	80	81	78	63	58	63	56	50	65	66	65	68	70	73	72	73	77	79	71.3	81.4
22-Mar-06	82	85	87	88	91	93	93	92	90	86	80	77	76	70	62	61	71	71	71	77	79	74	82	86	80.2	92.9
23-Mar-06	85	88	89	93	93	93	93	91	86	78	62	68	52	48	49	53	54	57	57	63	64	70	69	73	72.0	93.4
24-Mar-06	77	81	85	84	88	91	92	90	87	83	77	77	72	69	72	77	76	74	79	83	83	85	86	87	81.5	91.9
25-Mar-06	87	91	92	94	92	93	93	92	79	78	75	69	60	57	56	49	56	64	67	76	84	86	89	92	78.0	93.9
26-Mar-06	95	96	94	92	94	94	93	86	78	67	58	55	50	44	40	40	41	48	50	55	55	57	65	67	67.2	95.7
27-Mar-06	68	70	69	70	72	73	72	70	66	63	48	37	36	33	31	30	32	38	40	46	54	63	65	70	54.8	73.0
28-Mar-06	67	55	56	61	59	73	80	84	77	73	75	59	45	54	55	52	56	60	70	74	72	72	72	72	65.5	84.2
29-Mar-06	73	72	73	73	72	72	73	66	61	61	60	46	48	49	49	45	39	45	56	65	63	76	73	78	61.9	77.5
30-Mar-06	82	87	91	93	94	94	93	86	79	75	65	49	37	33	30	29	31	34	36	41	44	48	56	61	61.2	94.5
31-Mar-06	67	71	77	77	82	81	81	71	69	60	48	42	40	37	32	30	32	35	41	39	38	42	48	49	53.7	81.8
Hourly Avg	77.1	79.4	79.7	79.4	79.7	80.5	81.0	79.2	75.6	70.6	64.1	57.8	54.2	50.9	49.3	49.3	52.9	58.0	62.7	66.5	68.1	70.1	72.1	74.3		
Hourly Max	95.1	95.7	93.5	93.9	94.3	94.5	93.4	92.2	89.8	85.7	80.3	77.4	76.2	70.0	72.5	77.3	76.1	74.7	82.2	85.9	86.2	88.5	89.6	92.4		

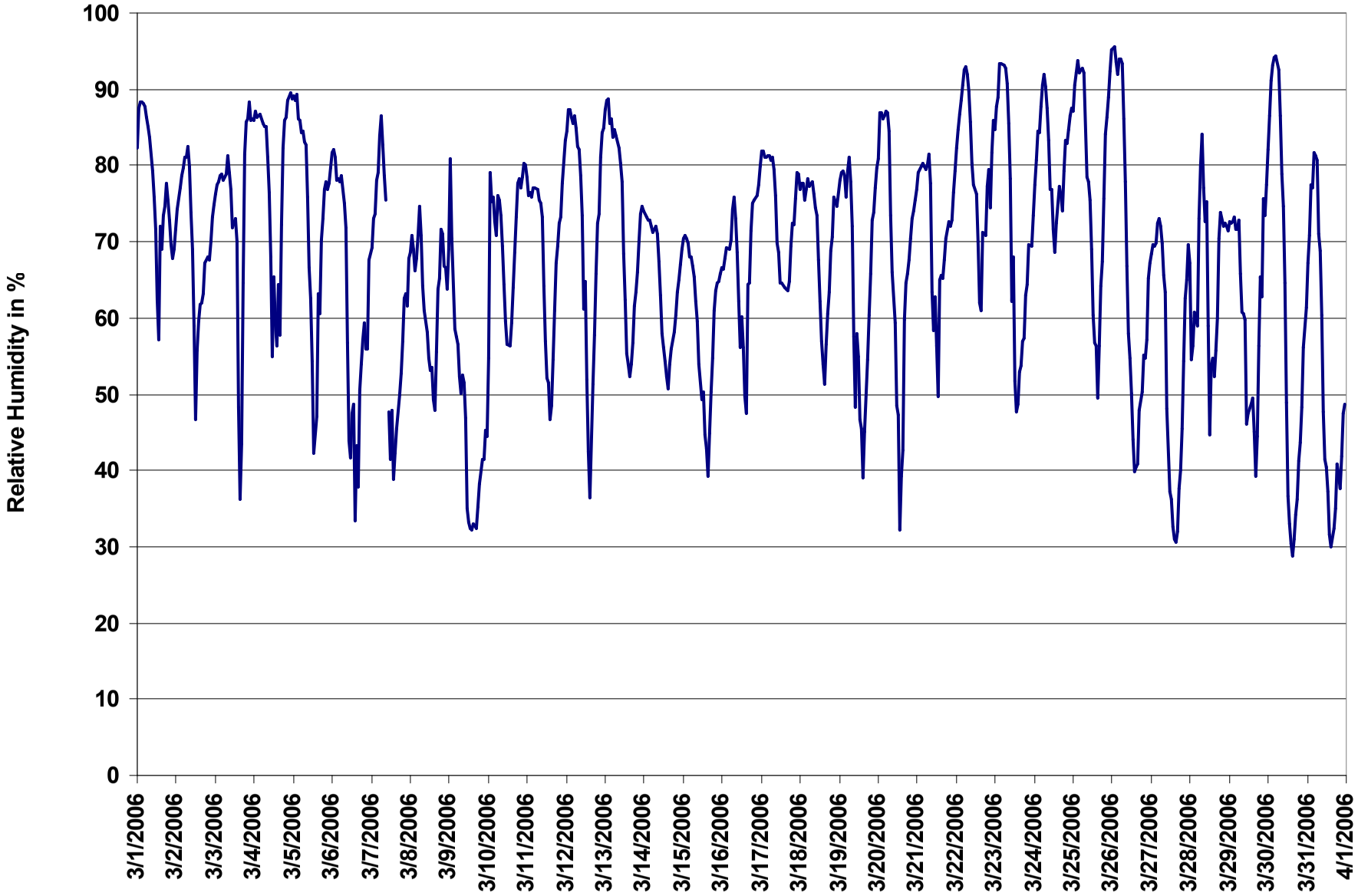


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

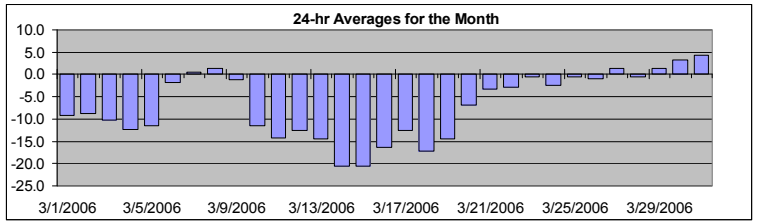
PASZA – Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	10.4	°C	31-Mar	15:00 16:00
Maximum 24-hr Value:	4.3	°C	31-Mar	

AIC Time:	0 hrs	Operational Time:	743 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	9.1	5.5	-0.5	-6.6	-13.9	-19.8	-23.9	-7.0 °C	-6.6 °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-Mar-06	-10	-11	-11	-11	-11	-11	-11	-11	-11	-10	-9	-8	-6	-5	-8	-7	-7	-7	-8	-9	-9	-8	-8	-8	-9.1	-4.7
2-Mar-06	-8	-9	-9	-9	-10	-11	-11	-13	-13	-12	-10	-8	-4	-6	-6	-6	-7	-7	-9	-9	-8	-9	-10	-9	-8.9	-4.4
3-Mar-06	-10	-11	-12	-12	-12	-12	-13	-13	-12	-12	-11	-10	-10	-9	-3	0	-3	-9	-12	-12	-12	-13	-12	-13	-10.3	0.0
4-Mar-06	-13	-13	-14	-14	-15	-15	-16	-15	-15	-14	-12	-8	-10	-8	-7	-9	-7	-11	-13	-13	-13	-14	-14	-14	-12.4	-6.7
5-Mar-06	-15	-15	-14	-18	-19	-19	-19	-20	-19	-17	-12	-9	-5	-3	-3	-7	-6	-7	-7	-8	-8	-8	-8	-9	-11.5	-2.6
6-Mar-06	-10	-10	-9	-8	-9	-9	-9	-8	-9	-5	0	2	3	3	9	5	7	3	2	2	2	2	2	0	-1.9	9.2
7-Mar-06	-1	-2	-3	-4	-4	-6	-7	-5	-4	-4	M	5	8	7	10	7	6	5	3	2	0	-1	-1	-2	0.4	9.6
8-Mar-06	-3	-3	-2	-2	-2	-2	-3	-2	0	1	2	3	4	4	5	5	5	4	4	3	3	3	2	3	1.4	5.4
9-Mar-06	2	1	1	1	0	-1	-2	-2	-3	-3	-1	0	0	0	1	1	0	-1	-2	-3	-4	-4	-5	-5	-1.2	2.1
10-Mar-06	-7	-8	-9	-10	-11	-11	-12	-12	-12	-11	-11	-10	-10	-10	-11	-11	-12	-13	-14	-14	-14	-15	-15	-15	-11.6	-6.6
11-Mar-06	-16	-16	-17	-17	-17	-17	-17	-17	-17	-16	-15	-13	-11	-11	-8	-8	-9	-11	-13	-14	-14	-14	-15	-16	-14.2	-8.0
12-Mar-06	-17	-17	-17	-18	-18	-17	-16	-18	-17	-14	-12	-9	-10	-7	-4	-3	-6	-8	-10	-11	-11	-14	-14	-13	-12.5	-2.8
13-Mar-06	-15	-15	-16	-18	-16	-19	-19	-19	-16	-15	-12	-10	-9	-8	-8	-9	-11	-12	-14	-14	-17	-18	-18	-18	-14.4	-7.9
14-Mar-06	-19	-20	-21	-22	-23	-23	-24	-24	-24	-23	-22	-20	-19	-18	-17	-16	-16	-17	-19	-20	-20	-21	-22	-23	-20.5	-15.7
15-Mar-06	-23	-24	-24	-24	-24	-25	-25	-25	-24	-24	-22	-21	-20	-18	-16	-14	-16	-16	-17	-18	-18	-18	-19	-19	-20.6	-14.4
16-Mar-06	-19	-19	-20	-20	-20	-19	-19	-19	-19	-18	-16	-14	-15	-14	-12	-11	-14	-13	-15	-15	-15	-15	-15	-15	-16.3	-10.6
17-Mar-06	-15	-15	-16	-16	-16	-15	-15	-15	-14	-13	-12	-11	-9	-9	-10	-9	-9	-9	-10	-11	-12	-13	-13	-14	-12.6	-8.9
18-Mar-06	-14	-15	-16	-16	-17	-18	-19	-20	-20	-20	-20	-19	-18	-17	-16	-14	-14	-15	-15	-16	-17	-18	-18	-18	-17.1	-14.0
19-Mar-06	-19	-19	-20	-20	-20	-22	-23	-23	-22	-17	-13	-14	-12	-8	-7	-4	-6	-8	-9	-10	-12	-13	-14	-13	-14.5	-4.5
20-Mar-06	-13	-17	-14	-13	-16	-16	-18	-16	-10	-9	-8	-4	-2	4	3	3	0	-1	-2	-2	-2	-3	-4	-4	-6.9	4.4
21-Mar-06	-4	-5	-5	-6	-6	-6	-6	-7	-8	-6	-5	-5	-2	3	0	0	0	-1	-1	-2	-2	-2	-3	-3	-3.4	3.3
22-Mar-06	-4	-4	-5	-5	-6	-7	-8	-7	-7	-6	-3	-2	-2	0	2	3	0	1	1	0	-1	0	-3	-4	-2.8	2.8
23-Mar-06	-3	-4	-5	-6	-7	-6	-7	-8	-6	-3	1	-1	4	6	6	5	4	4	4	2	2	1	1	0	-0.6	6.3
24-Mar-06	-1	-3	-4	-4	-5	-6	-6	-5	-4	-3	-2	-2	-1	0	0	-1	-1	0	-1	-2	-2	-3	-3	-3	-2.5	0.3
25-Mar-06	-3	-4	-5	-5	-4	-5	-5	-5	-2	-2	-2	0	3	4	4	7	5	3	3	1	0	0	-1	-2	-0.6	7.0
26-Mar-06	-3	-4	-7	-9	-7	-6	-6	-4	-3	-1	2	3	4	5	6	5	4	3	2	1	0	-1	-3	-3	-0.9	5.5
27-Mar-06	-3	-4	-3	-4	-4	-3	-3	-3	-2	1	4	6	6	7	8	8	8	5	5	3	2	0	0	-1	1.4	7.9
28-Mar-06	-2	-2	-2	-3	-4	-5	-6	-5	-2	0	0	3	7	4	4	4	3	2	0	0	-1	-2	-2	-2	-0.5	7.4
29-Mar-06	-2	-2	-2	-3	-3	-3	-4	-2	0	0	1	5	5	5	5	7	9	7	4	2	3	1	1	0	1.4	8.7
30-Mar-06	0	0	0	-1	-2	-2	-2	-1	1	2	4	6	8	9	9	10	9	8	7	5	4	3	2	1	3.3	10.0
31-Mar-06	1	1	0	-1	-1	-2	-2	0	2	4	8	9	8	8	9	10	10	9	8	5	4	4	4	4	4.3	10.4
Hourly Avg	-8.7	-9.3	-9.7	-10.2	-10.5	-11.0	-11.4	-11.1	-10.1	-8.7	-7.0	-5.0	-3.7	-2.5	-1.8	-1.6	-2.4	-3.7	-4.8	-5.7	-6.2	-6.8	-7.3	-7.7		
Hourly Max	2.1	1.0	1.2	1.1	0.1	-0.7	-1.6	0.4	1.6	3.8	8.1	9.1	8.4	8.7	9.6	10.4	9.6	8.6	7.6	5.5	4.4	4.0	4.0	4.1		

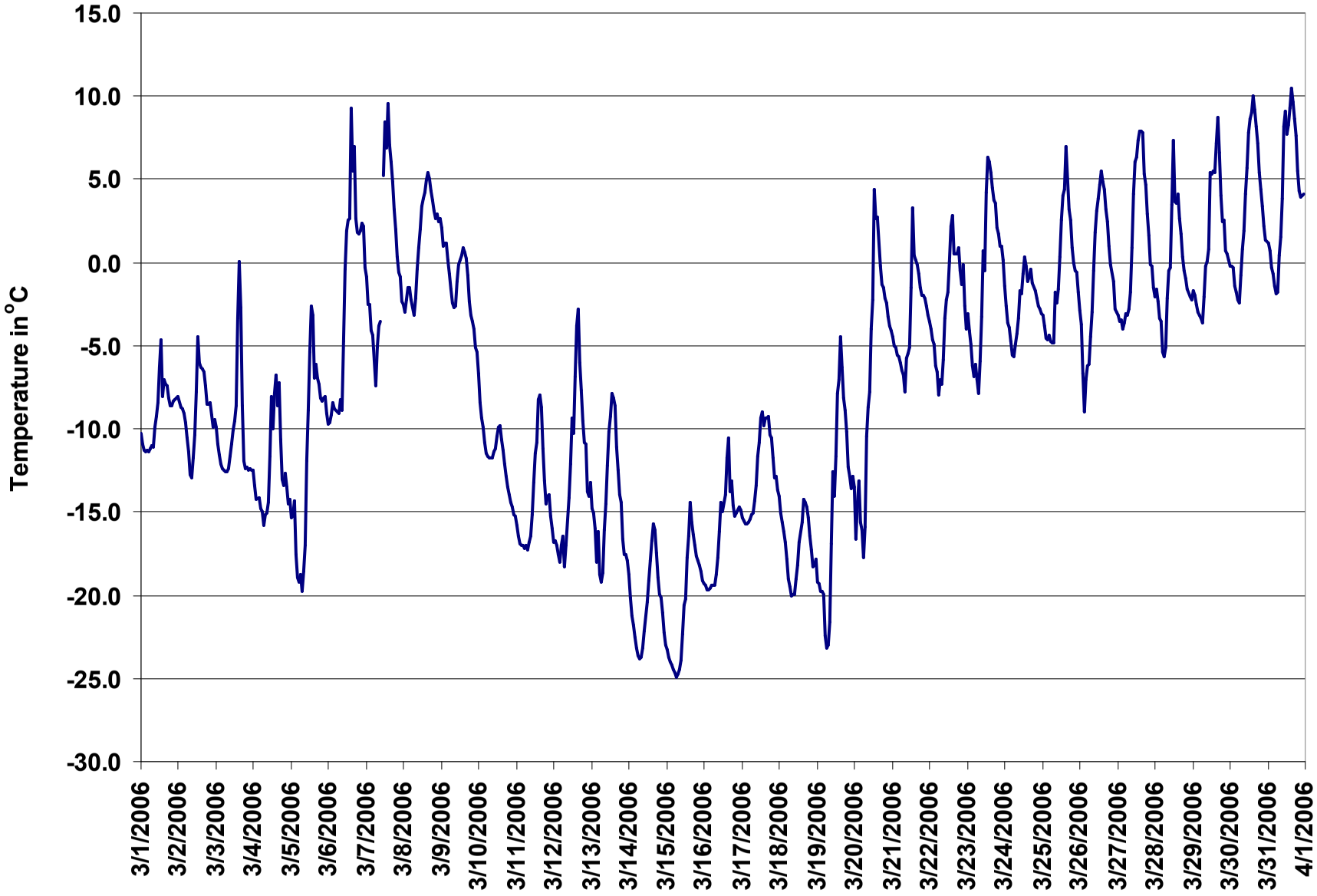


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

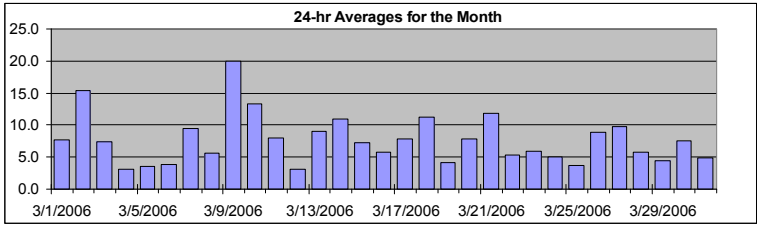
PASZA – Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSs)

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



Summary

Maximum 1-hr Average:	31.7	km/hr	9-Mar	13:00 14:00
Maximum 24-hr Value:	19.9	km/hr	9-Mar	

Calm Time:	4 hrs	**1%** calms	Operational Time: 739 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.9%

Percentile	99	95	75	50	25	5	1	AverageS
	26.0	19.6	10.8	5.7	3.4	1.8	1.1	7.7 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-Mar-06	6	7	4	6	6	4	2	3	4	4	6	5	3	4	7	7	5	4	11	18	18	18	16	16	7.7	18.3
2-Mar-06	14	14	15	14	14	15	17	14	12	10	14	8	5	9	17	23	22	19	21	22	19	17	15	16	15.3	22.6
3-Mar-06	18	18	17	16	11	11	10	9	6	7	5	6	4	4	2	1	1	4	4	5	6	6	6	3	7.4	17.8
4-Mar-06	1	2	1	2	2	4	3	2	4	4	4	1	3	4	4	8	4	4	4	5	3	2	1	1	3.1	8.3
5-Mar-06	2	1	4	2	1	1	2	2	2	2	2	4	3	1	3	4	3	4	7	5	10	6	8	5	3.5	9.8
6-Mar-06	4	4	2	3	3	3	3	5	5	3	2	2	5	3	3	4	2	4	6	4	5	6	6	5	3.8	6.3
7-Mar-06	4	6	5	6	4	7	4	5	4	3	M	2	2	3	11	24	22	22	25	20	14	15	7	2	9.4	24.6
8-Mar-06	4	4	6	4	6	4	3	5	4	6	7	8	9	9	10	5	5	8	8	8	4	3	2	1	5.6	10.1
9-Mar-06	6	6	16	24	28	25	22	27	24	24	24	28	30	32	31	28	26	23	17	13	11	7	4	5	19.9	31.7
10-Mar-06	8	8	9	10	10	11	11	14	15	17	21	21	19	18	16	15	16	14	11	11	12	11	11	12	13.3	21.1
11-Mar-06	12	12	13	13	11	11	10	11	11	11	12	9	8	8	6	6	7	6	3	3	3	3	1	2	7.9	13.0
12-Mar-06	3	2	2	2	4	3	1	1	calm	calm	2	3	5	3	2	2	4	5	6	3	4	4	2	3	3.1	6.1
13-Mar-06	3	3	2	5	1	4	6	8	7	10	14	12	11	10	11	9	9	12	12	13	13	13	13	15	9.0	14.8
14-Mar-06	15	16	14	13	13	12	12	9	11	11	11	10	9	7	7	5	7	9	13	13	9	10	11	13	10.9	16.0
15-Mar-06	13	13	12	11	11	9	11	11	11	11	9	8	7	5	5	2	2	1	1	3	5	4	3	4	7.3	13.4
16-Mar-06	4	5	5	5	7	7	7	7	7	7	7	6	7	8	5	4	6	4	5	3	7	7	5	5	5.7	7.6
17-Mar-06	7	6	7	5	7	6	5	7	6	7	7	7	7	8	9	9	8	9	8	9	11	9	13	15	7.9	14.7
18-Mar-06	15	15	15	13	15	13	14	12	13	13	14	14	13	14	13	10	10	9	8	6	8	3	4	4	11.3	15.2
19-Mar-06	2	3	1	5	6	3	2	4	4	3	3	7	9	5	3	2	3	5	7	8	3	5	4	3	4.1	8.8
20-Mar-06	3	3	5	4	2	2	1	2	calm	2	4	2	3	calm	3	5	13	17	18	17	17	17	16	15	7.8	18.3
21-Mar-06	14	13	13	13	12	12	10	6	5	3	3	5	4	7	19	21	22	19	17	15	12	13	13	11	11.8	21.6
22-Mar-06	8	9	8	6	4	2	1	2	4	3	3	3	5	5	3	3	4	4	7	8	9	15	6	6	5.3	15.1
23-Mar-06	7	4	5	5	4	4	2	4	3	3	3	4	2	3	3	4	6	7	6	9	12	13	13	14	5.8	13.7
24-Mar-06	12	10	8	6	5	5	5	5	4	3	3	4	4	5	6	6	5	1	1	3	5	5	6	5	5.0	12.4
25-Mar-06	2	2	5	3	3	3	3	4	2	4	4	2	3	2	4	2	4	7	6	6	5	6	5	1	3.7	7.5
26-Mar-06	2	2	4	2	4	4	3	2	3	2	3	8	26	24	23	24	21	15	10	12	7	4	2	3	8.9	26.4
27-Mar-06	2	3	3	5	9	8	8	9	9	11	20	20	20	19	17	12	11	10	11	8	8	3	6	3	9.8	20.4
28-Mar-06	3	5	5	4	7	5	6	11	5	2	4	3	2	7	6	7	9	8	7	5	6	8	7	8	5.8	10.9
29-Mar-06	9	7	9	7	8	6	3	3	3	4	5	2	3	3	7	4	2	1	5	5	3	3	3	2	4.5	8.9
30-Mar-06	3	4	2	3	2	3	3	2	2	3	5	17	22	20	14	16	17	13	9	7	6	4	3	2	7.6	21.5
31-Mar-06	3	4	2	3	3	2	4	3	3	2	3	3	8	7	5	5	7	8	6	6	7	7	8	9	4.9	9.4
1-hr Average	6.8	6.8	7.1	7.2	7.2	6.7	6.2	6.7	6.6	6.6	7.4	7.6	8.4	8.6	8.8	9.0	9.2	8.9	9.1	8.7	8.4	8.0	7.1	6.7		
Hourly Max	17.8	17.8	17.1	23.7	27.6	25.3	21.6	26.8	24.4	24.3	24.2	28.0	29.8	31.7	31.3	27.6	25.5	22.6	24.6	22.1	19.4	18.3	16.1	16.5		

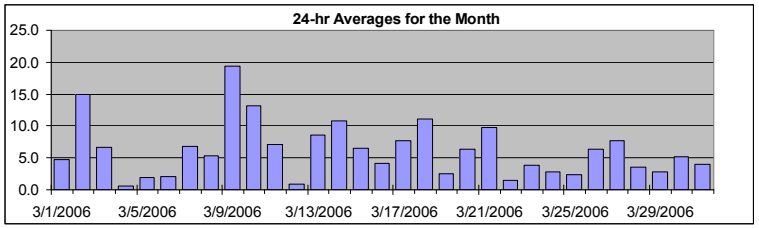
PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	31.6	km/hr	9-Mar	13:00 14:00
Maximum 24-hr Value:	19.4	km/hr	9-Mar	

Calm Time:	20 hrs	**3%** calms			Operational Time:		723 hrs						
Calibration Time:	0 hrs				AMD Operational Uptime:		99.9%						
Percentile	99	95	75	50	25	5	1						AverageV
	26.1	19.5	10.8	5.5	2.9	1.4	0.9						2.4 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-Mar-06	6	7	4	6	6	4	2	3	4	4	6	5	3	3	6	6	3	3	11	17	18	18	16	16	4.7	18.3
2-Mar-06	14	14	15	14	14	15	17	14	12	10	14	8	5	9	17	22	22	19	21	22	19	17	15	16	15.0	22.3
3-Mar-06	18	18	17	16	11	11	10	9	6	7	5	6	4	4	2	calm	1	3	4	4	6	6	6	3	6.7	17.8
4-Mar-06	1	2	1	2	2	4	3	2	4	4	4	1	3	4	3	8	4	4	4	5	3	2	1	1	0.7	8.3
5-Mar-06	2	1	4	2	1	1	2	2	2	2	2	4	3	1	2	4	2	2	7	2	10	6	8	5	2.0	9.8
6-Mar-06	4	4	2	3	3	3	3	5	5	3	2	2	4	2	2	3	2	3	6	3	1	6	4	5	2.1	6.1
7-Mar-06	4	5	4	5	2	2	4	5	4	3	M	1	1	2	11	24	21	22	25	20	14	15	4	2	6.8	24.6
8-Mar-06	4	4	6	4	5	4	3	5	4	6	7	7	9	9	9	5	5	7	8	7	4	2	2	1	5.3	9.2
9-Mar-06	4	5	16	24	28	25	21	27	24	24	24	28	30	32	31	28	25	23	17	13	11	6	4	5	19.4	31.6
10-Mar-06	8	8	9	10	9	11	11	14	15	17	21	20	19	18	16	15	16	14	11	11	12	11	11	12	13.1	21.0
11-Mar-06	12	12	13	13	11	11	10	11	11	11	11	9	8	7	6	6	7	6	3	3	3	3	1	1	7.1	12.9
12-Mar-06	1	2	2	2	4	3	1	calm	calm	calm	1	3	5	3	2	2	3	4	6	3	3	2	calm	2	1.0	6.0
13-Mar-06	1	1	1	3	1	3	5	8	7	10	14	11	11	10	10	9	9	11	12	13	13	13	13	15	8.6	14.8
14-Mar-06	15	16	14	13	13	12	12	9	11	11	11	9	9	7	7	5	7	9	12	13	9	10	11	13	10.7	16.0
15-Mar-06	13	13	12	11	11	9	11	10	11	11	9	7	7	5	4	1	2	1	calm	2	5	4	3	4	6.5	13.4
16-Mar-06	4	5	5	5	7	7	7	7	7	7	6	5	7	7	4	2	6	3	5	2	7	7	5	5	4.1	7.3
17-Mar-06	7	5	7	5	7	6	5	7	6	7	6	7	7	7	9	8	8	8	8	9	10	8	13	15	7.7	14.7
18-Mar-06	15	15	15	13	15	13	13	12	13	13	14	14	13	14	13	10	10	9	8	6	8	3	4	4	11.1	15.2
19-Mar-06	1	2	calm	5	6	3	calm	3	4	2	3	7	8	3	2	1	2	5	7	8	3	5	4	2	2.5	8.3
20-Mar-06	2	3	5	4	1	2	calm	2	calm	1	4	2	3	calm	2	4	13	17	18	17	16	17	16	15	6.4	18.3
21-Mar-06	14	13	13	13	12	12	10	5	3	2	3	5	4	6	19	21	22	19	17	15	12	13	13	11	9.8	21.6
22-Mar-06	8	9	7	6	3	2	1	2	2	1	3	3	3	4	calm	2	4	3	7	7	9	15	5	5	1.5	15.1
23-Mar-06	7	4	4	5	3	4	1	2	2	3	3	4	2	3	2	2	6	7	5	9	12	12	12	14	3.9	13.6
24-Mar-06	12	9	7	6	4	1	4	5	4	2	2	4	4	4	4	6	5	1	1	3	5	5	5	5	2.7	12.1
25-Mar-06	2	calm	3	2	3	1	calm	2	calm	4	4	2	3	calm	3	2	3	7	6	5	5	6	5	1	2.4	7.2
26-Mar-06	2	1	1	calm	4	4	3	2	3	2	2	8	26	23	23	24	21	15	10	12	7	4	2	2	6.4	26.3
27-Mar-06	1	2	2	5	9	8	7	9	9	11	20	20	20	19	17	12	11	10	11	7	8	3	5	3	7.7	20.2
28-Mar-06	calm	4	4	4	7	4	5	11	3	1	4	3	2	7	6	6	9	7	7	5	6	8	7	8	3.6	10.8
29-Mar-06	9	7	9	7	8	6	1	2	2	3	4	1	3	3	6	4	1	calm	4	4	2	3	1	1	2.8	8.9
30-Mar-06	2	4	2	3	1	2	2	1	1	1	5	17	21	19	14	16	17	13	9	7	4	3	3	2	5.2	21.1
31-Mar-06	2	3	2	3	3	2	4	2	2	2	calm	3	7	7	4	5	6	7	6	6	7	7	8	9	4.0	9.3
1-hr Vector	3.2	2.9	2.8	2.6	2.7	2.3	2.0	2.5	2.8	2.4	3.4	3.7	4.1	4.0	2.8	2.3	2.3	2.4	3.2	3.9	4.1	3.7	2.5	2.8		
Hourly Max	17.8	17.8	17.1	23.7	27.6	25.2	21.5	26.7	24.3	24.2	24.1	27.8	29.7	31.6	31.2	27.5	25.3	22.5	24.6	22.1	19.4	18.3	16.0	16.5		

PASZA – Beaverlodge - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Beaverlodge
Station Owner: PASZA

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

Summary

Calm Time:	0 hrs	**0%** calms	Operational Time: 743 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.9%

Percentile	99	95	75	50	25	5	1	Average
	355.6	346.2	321.2	166.7	86.9	27.0	7.3	359 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-Mar-06	14	255	271	305	317	309	58	101	69	74	111	125	151	163	186	99	101	142	81	76	87	95	98	93	92	E
2-Mar-06	104	105	106	104	92	104	108	108	113	101	105	84	50	89	89	84	81	76	79	86	97	101	106	112	95	E
3-Mar-06	109	106	110	108	87	104	95	96	93	102	106	132	116	130	113	157	187	126	109	80	66	41	15	356	100	E
4-Mar-06	137	184	154	310	46	40	258	338	54	294	292	151	265	272	316	46	21	177	97	85	82	140	274	278	20	NNE
5-Mar-06	22	65	51	218	107	53	57	10	355	57	35	306	333	124	255	233	193	290	317	14	325	32	328	13	346	NNW
6-Mar-06	35	18	71	318	72	73	62	49	55	150	132	354	43	277	41	239	306	63	72	62	319	47	86	270	42	NE
7-Mar-06	280	25	343	4	10	354	24	45	298	89	M	132	103	45	275	278	264	271	275	277	271	273	286	120	287	WNW
8-Mar-06	119	96	102	110	143	181	134	124	125	138	139	132	133	119	138	109	96	113	119	130	183	142	71	77	126	SE
9-Mar-06	29	290	277	276	275	273	270	270	266	268	278	286	287	281	281	271	272	284	284	282	294	282	319	327	279	W
10-Mar-06	359	5	344	338	330	324	327	329	328	326	322	323	333	343	353	344	344	345	350	348	346	335	336	332	337	NNW
11-Mar-06	332	334	330	326	323	329	328	321	320	325	325	325	335	326	337	342	12	16	54	96	83	64	330	72	336	NNW
12-Mar-06	308	61	70	283	60	97	161	112	186	59	179	194	207	249	304	306	7	336	332	35	299	0	161	332	335	NNW
13-Mar-06	64	60	104	357	71	321	351	346	346	337	341	342	348	352	357	344	342	338	342	346	347	342	344	344	346	NNW
14-Mar-06	340	340	342	341	339	341	344	345	341	345	342	349	344	340	328	329	30	339	334	335	345	349	342	342	342	NNW
15-Mar-06	343	343	343	341	339	336	335	337	333	330	335	342	342	335	315	146	210	200	113	35	42	27	353	346	341	NNW
16-Mar-06	342	338	354	346	343	350	350	345	341	342	351	357	41	358	27	149	171	130	135	35	27	24	19	328	3	N
17-Mar-06	330	334	333	347	330	334	336	326	317	326	335	324	332	334	332	330	336	341	1	344	357	3	334	333	337	NNW
18-Mar-06	340	339	337	337	337	346	346	344	341	344	336	339	339	331	341	353	349	347	354	6	9	18	323	336	343	NNW
19-Mar-06	25	50	4	52	38	57	184	314	63	60	284	322	13	78	194	224	322	321	334	340	347	339	351	74	1	N
20-Mar-06	184	65	52	45	48	234	59	59	74	315	319	360	91	157	308	73	83	80	79	87	97	110	110	107	87	E
21-Mar-06	109	111	111	107	106	108	106	147	272	291	240	239	272	82	78	81	81	78	78	75	76	97	107	105	94	E
22-Mar-06	88	97	92	79	150	287	34	253	307	295	305	226	202	230	149	241	272	350	26	17	37	87	288	340	49	NE
23-Mar-06	30	31	31	309	45	46	259	10	44	54	269	237	212	51	167	140	106	86	49	49	43	45	92	102	59	ENE
24-Mar-06	96	76	66	71	83	17	348	22	22	325	306	263	285	17	74	134	134	157	251	296	35	29	320	43	47	NE
25-Mar-06	65	143	344	64	63	199	189	117	132	177	166	215	61	327	119	110	225	133	150	130	108	122	113	166	131	SE
26-Mar-06	89	67	60	70	94	123	102	103	92	160	177	240	260	266	269	261	262	263	256	258	249	228	239	242	256	WSW
27-Mar-06	231	227	261	253	279	265	244	239	242	241	268	286	276	276	286	304	282	306	308	345	36	141	141	140	276	W
28-Mar-06	71	342	303	353	337	12	354	41	41	135	200	132	106	34	51	48	47	96	125	120	100	94	94	102	61	ENE
29-Mar-06	113	113	109	103	105	114	160	109	201	178	193	115	97	88	125	33	69	71	323	7	71	228	196	97	113	ESE
30-Mar-06	102	91	137	190	168	122	138	155	133	204	242	252	272	285	288	283	297	294	311	321	279	223	190	141	274	W
31-Mar-06	182	165	157	207	94	109	74	119	123	174	8	88	43	91	83	80	85	112	87	69	55	70	79	93	90	E
Hourly Avg	44	40	26	2	6	356	355	354	338	322	309	304	311	318	324	327	343	358	15	26	32	54	47	46		

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 743 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.9%

Percentile	99	95	75	50	25	5	1
	55.0	42.1	18.6	9.0	5.9	3.1	2.2

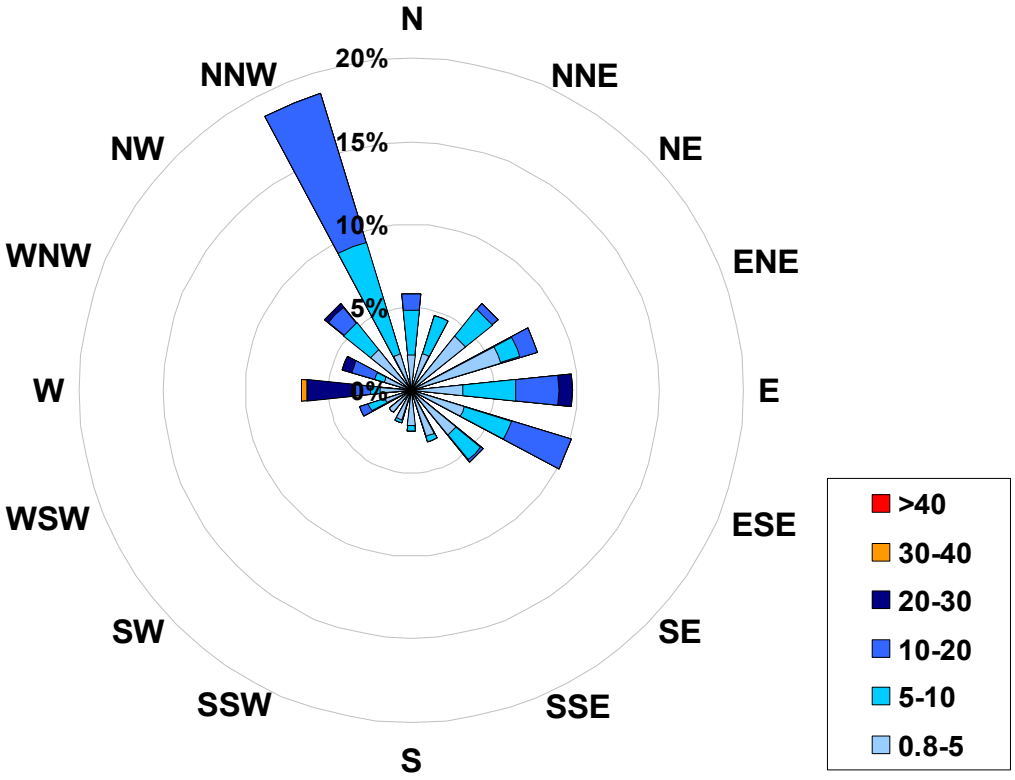
Status Flag Characters

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-Mar-06	17	5	3	3	4	2	21	11	11	7	8	7	12	8	5	6	19	20	10	6	6	8	8	7	21.0
2-Mar-06	8	8	8	8	7	9	8	10	10	9	7	12	16	9	6	5	6	7	6	5	8	9	9	8	16.0
3-Mar-06	9	9	9	10	11	13	8	8	8	8	7	7	8	8	11	9	5	8	7	7	7	11	10	11	13.0
4-Mar-06	8	18	11	7	8	7	10	8	6	7	6	14	6	8	11	6	11	4	11	6	5	8	3	13	18.0
5-Mar-06	7	3	2	14	6	7	1	15	9	4	6	11	14	12	9	3	7	12	7	14	5	10	6	9	15.0
6-Mar-06	6	7	10	7	10	13	10	10	7	5	7	9	4	5	15	6	8	13	12	34	25	16	20	8	34.0
7-Mar-06	3	8	6	10	11	8	14	12	8	12	M	30	59	31	11	4	4	3	3	2	2	12	49	21	58.7
8-Mar-06	12	7	7	6	7	18	20	8	7	5	7	4	4	10	16	14	10	9	8	15	8	14	12	8	20.0
9-Mar-06	27	11	2	2	3	4	4	4	5	4	5	4	4	4	4	4	5	3	2	2	3	23	7	7	26.8
10-Mar-06	7	8	6	7	6	5	5	4	4	6	5	8	7	8	8	7	6	6	7	7	6	6	6	6	8.2
11-Mar-06	5	6	5	5	5	5	6	5	6	7	6	12	12	11	14	16	12	13	18	6	6	9	49	35	49.4
12-Mar-06	25	19	39	30	21	18	27	16	36	26	29	17	10	14	24	45	22	25	6	27	47	45	55	40	54.8
13-Mar-06	57	27	34	23	42	30	29	5	4	5	6	10	10	11	9	9	6	4	3	4	6	6	5	4	56.7
14-Mar-06	5	4	5	6	6	6	6	7	8	9	8	11	15	11	14	20	7	7	7	4	6	5	5	4	19.7
15-Mar-06	4	4	5	6	6	7	6	6	7	8	10	15	17	27	21	59	27	22	33	11	4	5	18	8	58.8
16-Mar-06	6	5	7	8	6	7	8	8	9	10	13	18	11	11	15	38	11	20	5	19	4	5	12	7	37.6
17-Mar-06	4	8	5	10	4	5	8	5	8	8	8	10	12	11	9	7	9	7	9	7	9	12	4	4	11.7
18-Mar-06	4	4	5	6	6	7	6	7	7	7	6	8	7	7	8	10	9	8	6	6	6	18	6	13	18.0
19-Mar-06	24	20	38	6	5	23	37	43	13	41	17	9	8	19	42	42	49	7	5	4	48	15	34	55	55.2
20-Mar-06	28	17	4	10	13	16	65	24	44	55	26	33	16	40	44	17	5	3	3	3	3	2	2	2	64.5
21-Mar-06	2	2	2	2	3	3	15	25	15	18	13	8	24	42	4	3	3	3	3	2	4	4	3	3	41.7
22-Mar-06	6	3	7	7	40	39	28	39	33	25	12	23	35	22	28	40	8	32	6	8	9	4	37	19	39.7
23-Mar-06	11	39	36	28	21	28	50	44	29	6	39	8	21	41	27	34	19	17	18	12	6	6	8	5	50.3
24-Mar-06	5	6	10	13	16	44	12	6	27	49	33	15	14	43	25	14	12	31	8	15	9	23	9	14	49.2
25-Mar-06	23	54	20	19	25	39	60	40	37	11	14	28	17	51	16	30	18	11	8	10	5	3	4	26	60.2
26-Mar-06	42	51	44	42	14	11	11	19	13	22	19	9	3	4	3	3	3	3	4	3	5	20	53	31	53.1
27-Mar-06	54	37	44	29	21	5	10	9	4	3	4	5	5	6	7	12	11	10	4	7	5	23	15	12	54.4
28-Mar-06	29	14	9	28	6	36	38	4	39	33	15	15	29	9	13	17	11	8	4	5	3	3	3	5	39.0
29-Mar-06	9	11	3	4	3	6	28	22	30	35	17	45	20	26	20	45	56	35	7	20	43	33	43	35	56.4
30-Mar-06	28	7	16	30	37	23	20	36	20	36	17	5	6	7	11	8	5	5	4	3	23	22	17	36	36.6
31-Mar-06	43	21	18	12	20	29	18	31	19	30	47	37	11	15	32	27	18	10	7	5	6	9	7	4	47.1
Hourly Max	57	54	44	42	42	44	65	44	44	55	47	45	59	51	44	59	56	35	33	34	48	45	55	55	

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



Calms:	1%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	324
5	to	10	212
10	to	20	167
20	to	30	34
30	to	40	2
	>	40	0
Total Non-Zero Values			739

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for March 2006

Station Number	Station Name	PASZA SO2 ppb	PASZA O3 ppb	PASZA NO2 ppb	Site Legal
Duplicates					
14a	Sylvester	**0.6**	**31.3**	**1.7**	
14b	Sylvester	**0.5**	**33.4**	**1.8**	
24a	Wembley	**0.8**	**28.7**	**3.2**	
24b	Wembley	**0.7**	**37.3**	**3.8**	
25a	Pinto Creek	**0.7**	**33.8**	**1.6**	
25b	Pinto Creek	**0.7**	**32.7**	**2.0**	
49a	Grande Prairie HP	**0.9**	**26.2**	**10.1**	
49b	Grande Prairie HP	**0.9**	**26.8**	**9.5**	
1	Silver Valley	**0.6**	**41.4**	**1.5**	08-27-081-11 W6M
2	Bay Tree	**0.6**	**33.8**	**1.7**	13-16-078-13 W6M
3	Forth Creek	**0.5**	**41.3**	**0.8**	04-13-082-07 W6M
4	Gordondale	**0.9**	**43.9**	**1.6**	04-34-078-10 W6M
5	Boone Creek	**0.6**	**36.9**	**1.8**	01-23-076-11 W6M
7	Steeprock Creek	**1.1**	**34.1**	**1.8**	09-35-072-13 W6M
9	Spirit River	**0.5**	**38.3**	**1.5**	08-12-079-07 W6M
10	Woking	**0.6**	**31.1**	**1.1**	01-13-076-07 W6M
11	Webber Creek	**1.0**	**37.4**	**2.7**	09-36-074-09 W6M
12	Hythe	**0.9**	**35.9**	**2.2**	14-36-072-11 W6M
14	Sylvester	**0.5**	**32.4**	**1.8**	08-06-069-12 W6M
16	Beaverlodge	**1.1**	**31.6**	**3.9**	15-36-071-10 W6M
17	Poplar	**0.9**	**34.7**	**2.1**	13-06-073-08 W6M
18	Saddle Hills	**0.9**	**35.5**	**1.6**	04-25-074-07 W6M
19	Wanham	**0.5**	**41.9**	**0.8**	16-22-077-03 W6M
20	Shaftesbury	**0.4**	**35.0**	**0.7**	04-03-082-23 W5M

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

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
21	Eaglesham	**0.5**	**38.4**	**0.9**	16-21-079-25 W5M
23	Bear Lake	**1.1**	**39.8**	**2.1**	15-31-072-06 W6M
24	Wembley	**0.8**	**33.0**	**3.5**	12-31-070-08 W6M
25	Pinto Creek	**0.7**	**33.2**	**1.8**	04-24-069-11 W6M
26	Flyingshot	**0.8**	**30.1**	**3.9**	15-36-070-07 W6M
27	Grande Prairie I	**0.8**	**30.1**	**9.8**	08-15-071-06 W6M
28	Clairmont Lake	**0.9**	**41.5**	**1.5**	09-06-073-04 W6M
29	Smoky Heights	**0.7**	**36.6**	**1.8**	04-06-075-02 W6M
30	Fitzsimmons	**0.7**	**36.3**	**1.6**	15-36-072-03 W6M
32	Gold Creek	**1.3**	**26.2**	**3.3**	06-33-067-05 W6M
33	Wapiti	**0.8**	**38.3**	**1.8**	02-25-071-03 W6M
34	Puskwaskau	**0.4**	**33.5**	**1.0**	15-35-074-25 W5M
35	Jean Cote	**0.5**	**46.2**	**0.8**	12-35-079-21 W5M
36	Guy	**0.6**	**36.4**	**0.7**	03-04-076-22 W5M
37	Crooked Creek	**1.1**	**36.0**	**1.8**	16-01-071-26 W5M
38	Karr Creek	**0.7**	**29.9**	**1.8**	10-16-065-02 W6M
39	Clouston Creek	**0.6**	**38.7**	**1.2**	12-01-073-22 W5M
40	McLennan	**0.6**	**46.8**	**0.6**	03-29-077-19 W5M
41	Valleyview	**1.5**	**40.5**	**2.3**	09-30-069-22 W5M
42	Sunset House	**1.0**	**42.0**	**1.1**	05-32-070-19 W5M
43	High Prairie	**0.5**	**41.4**	**1.1**	16-13-074-17 W5M
44	Peavine	**0.4**	**38.9**	**0.4**	03-05-079-15 W5M
45	Gift Lake	**0.4**	**43.2**	**1.0**	10-07-079-12 W5M
46	Little Smoky	**1.2**	**36.5**	**3.9**	12-01-065-21 W5M
47	Kinuso	**0.5**	**39.3**	**1.4**	12-10-073-10 W5M
48	Deer Mountain	**0.6**	**42.1**	**1.0**	15-22-068-09 W5M
49	Grande Prairie HP	**0.9**	**26.5**	**9.8**	17-26-071-06 W6M

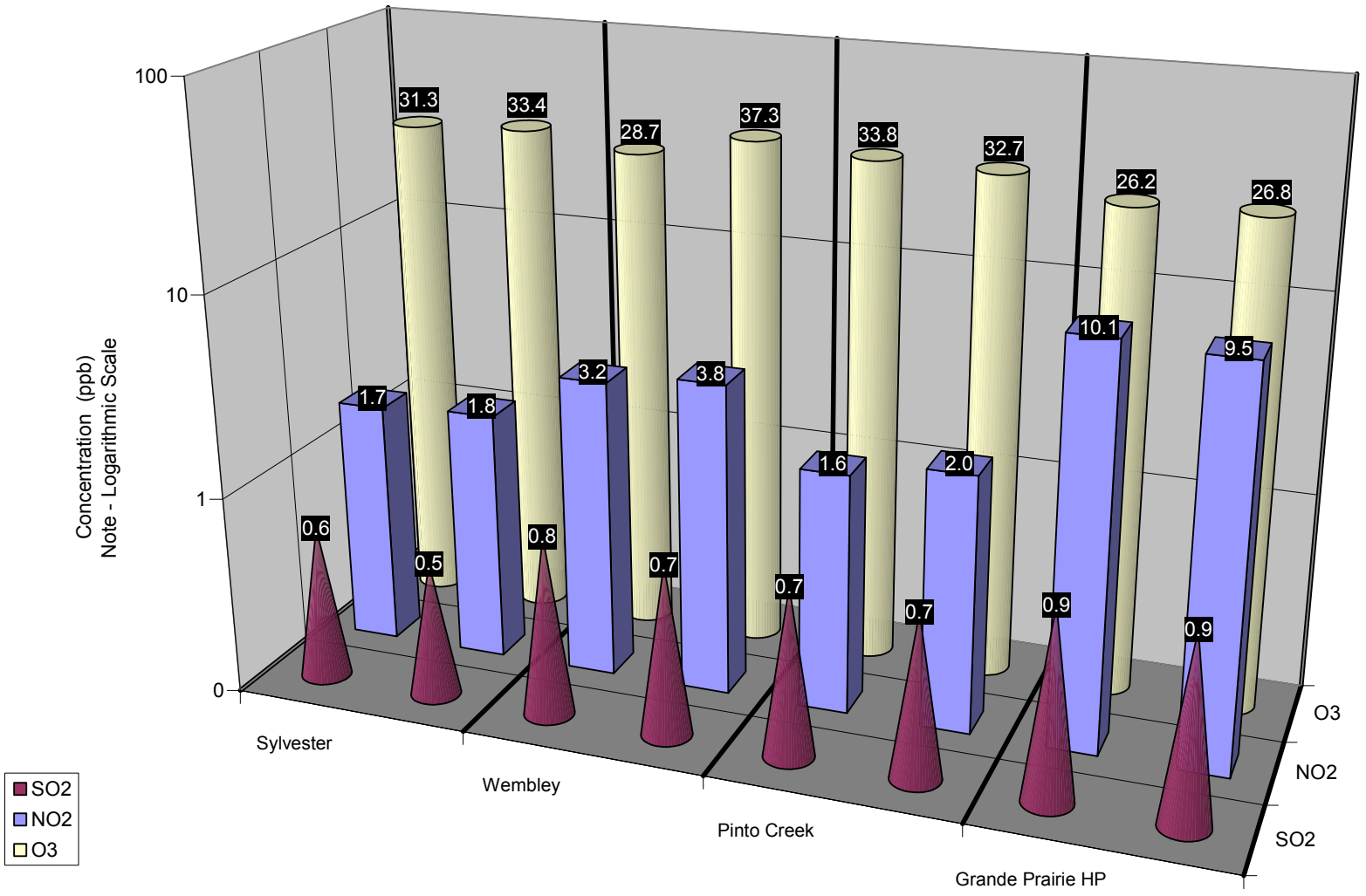


Figure 46. Duplicate Summary Chart

Table 2. Passive Summary Results for March 2006

Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2
	ppb	ppb	ppb
	Passive Summary for March 2006 (PASZA Zone)		
Mean	**0.7**	**36.9**	**2.1**
Standard Deviation	**0.3**	**4.9**	**1.9**
Minimum	**0.4**	**26.2**	**0.4**
	Gift Lake (#45)	**Gold Creek (#32)**	**Peavine (#44)**
Maximum	**1.5**	**46.8**	**9.8**
	Valleyview (#41)	**McLennan (#40)**	**Grande Prairie HP (#49)**

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

	SO_2	O_3	NO_2
AENV Beaverlodge station	**1.2**	**30.4**	**6.1**
PASZA Beaverlodge passive	**1.1**	**31.6**	**3.9**

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

	SO_2	O_3	NO_2
PASZA Henry Pirker station	**1.1**	**21.8**	**15.2**
PASZA Grande Prairie passive	**0.9**	**26.5**	**9.8**

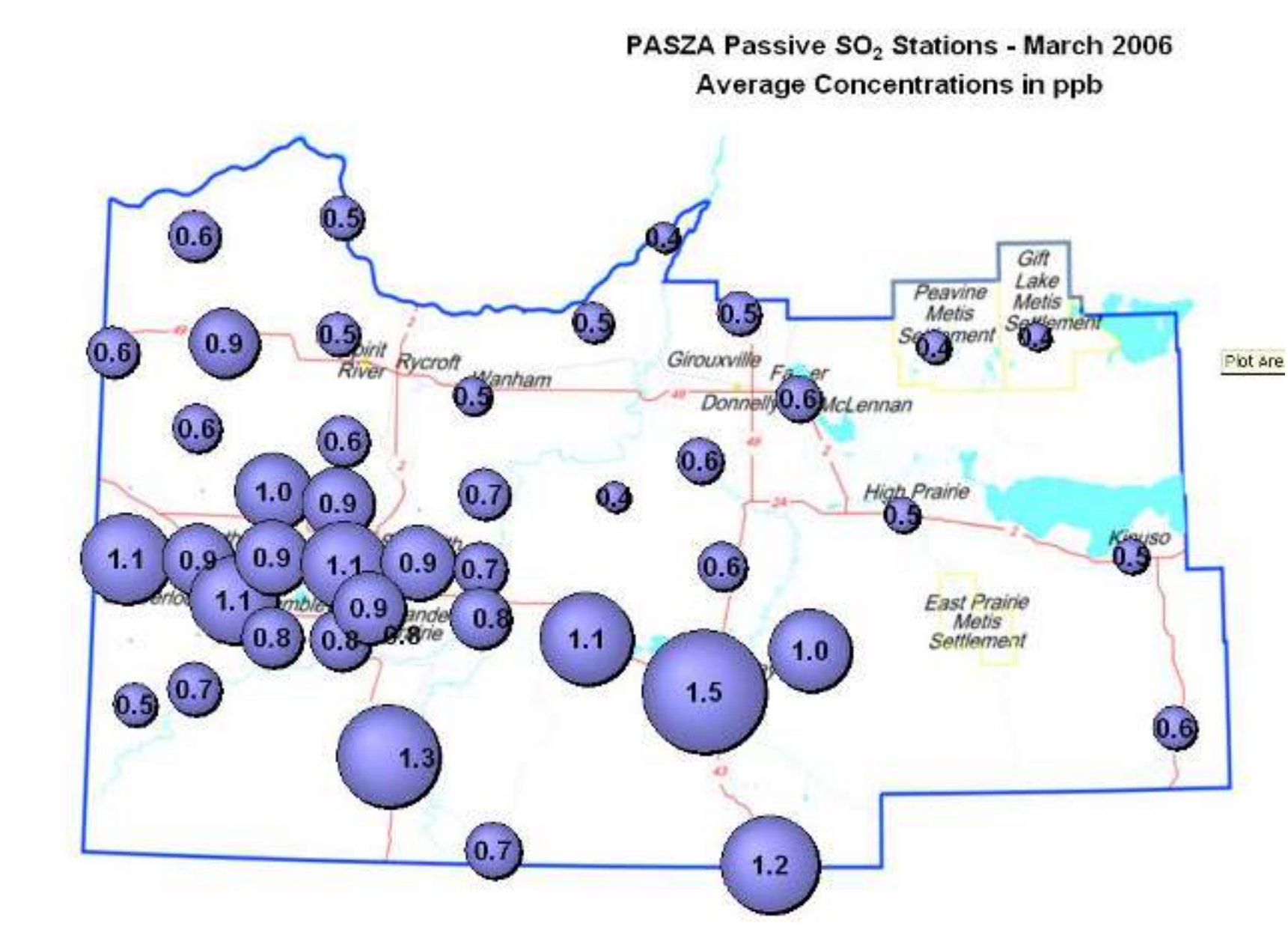


Figure 47. SO_2 Bubble Chart

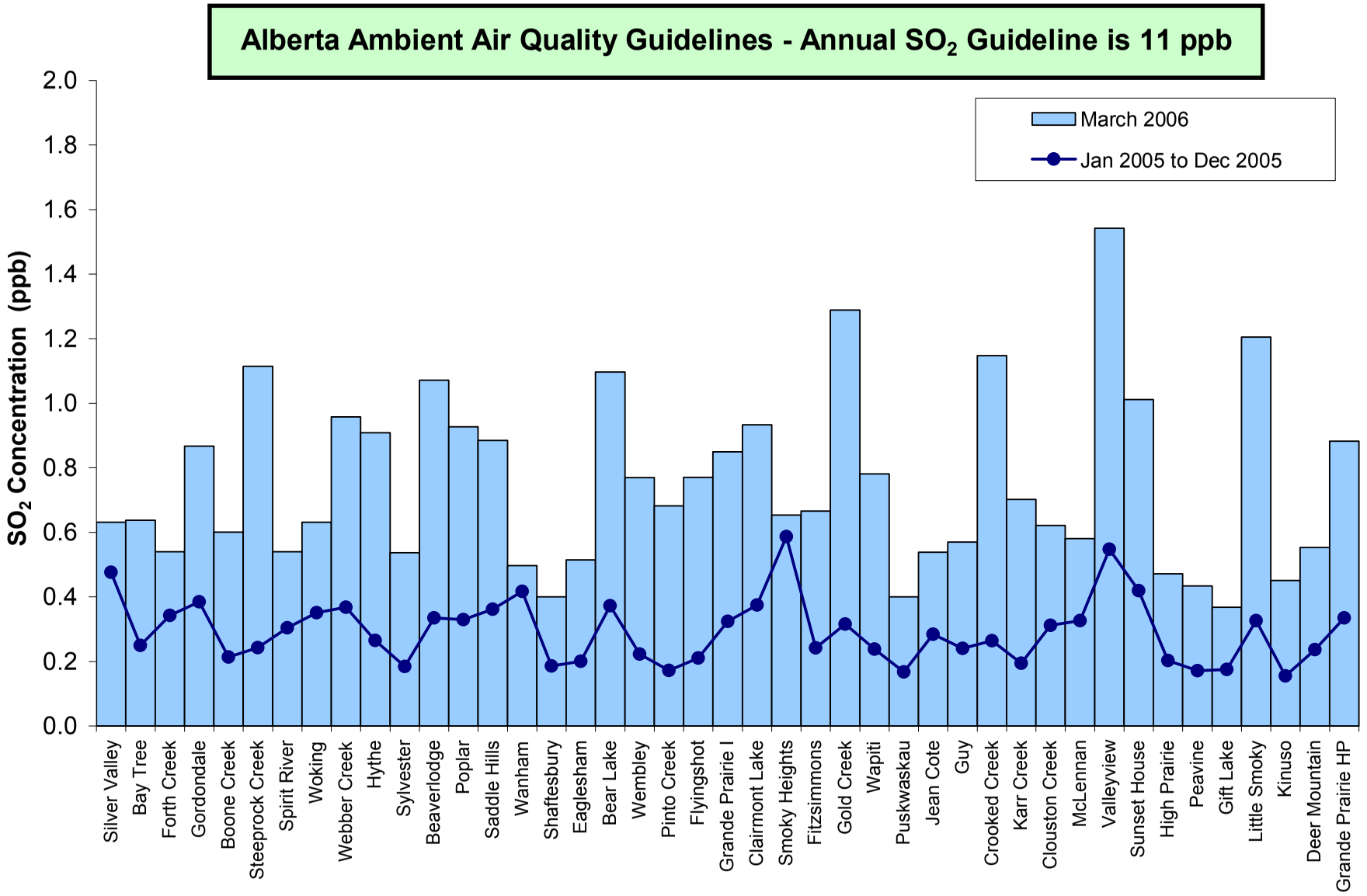


Figure 48. SO_2 Summary Chart

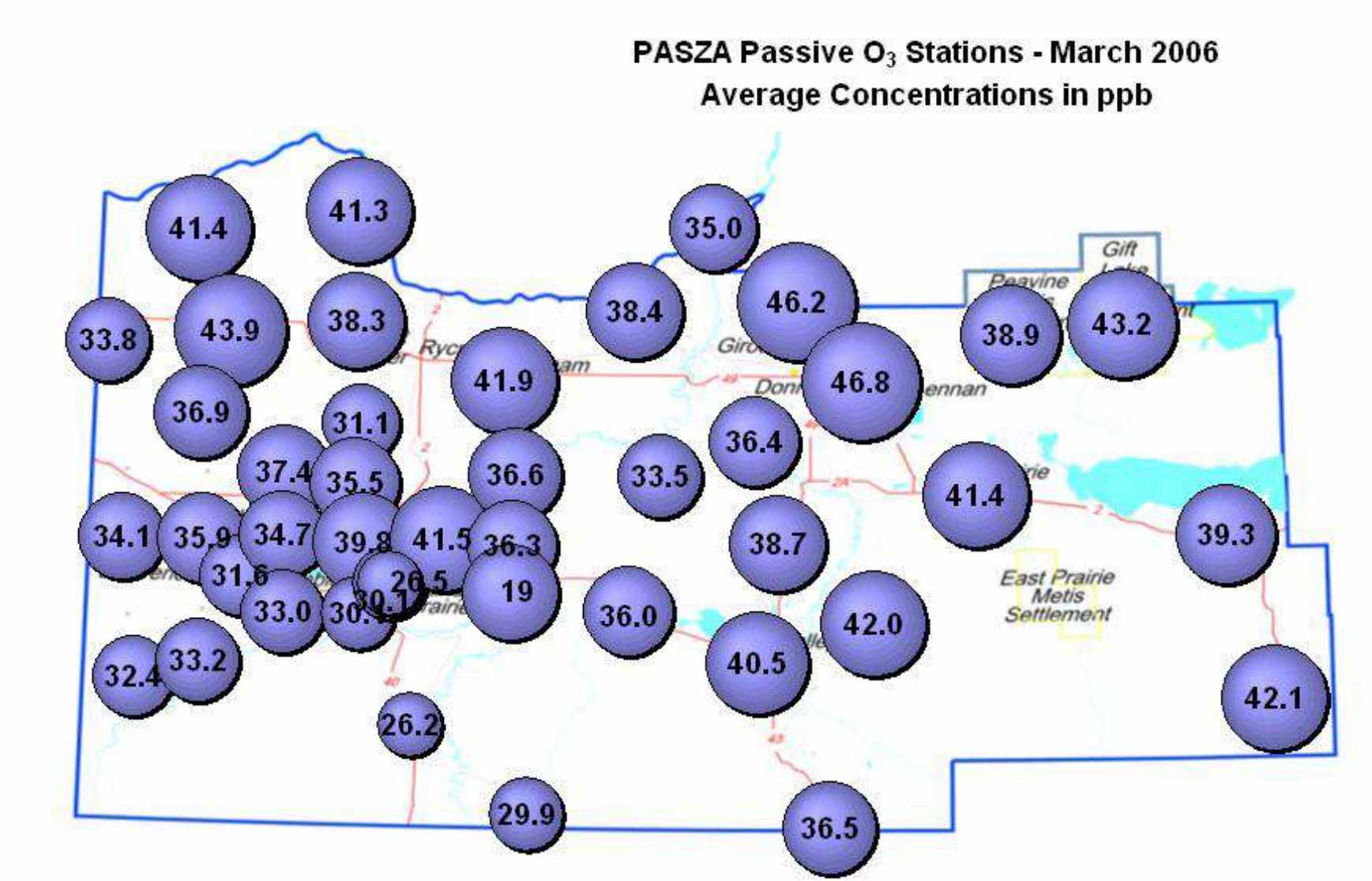


Figure 49. O_3 Bubble Chart

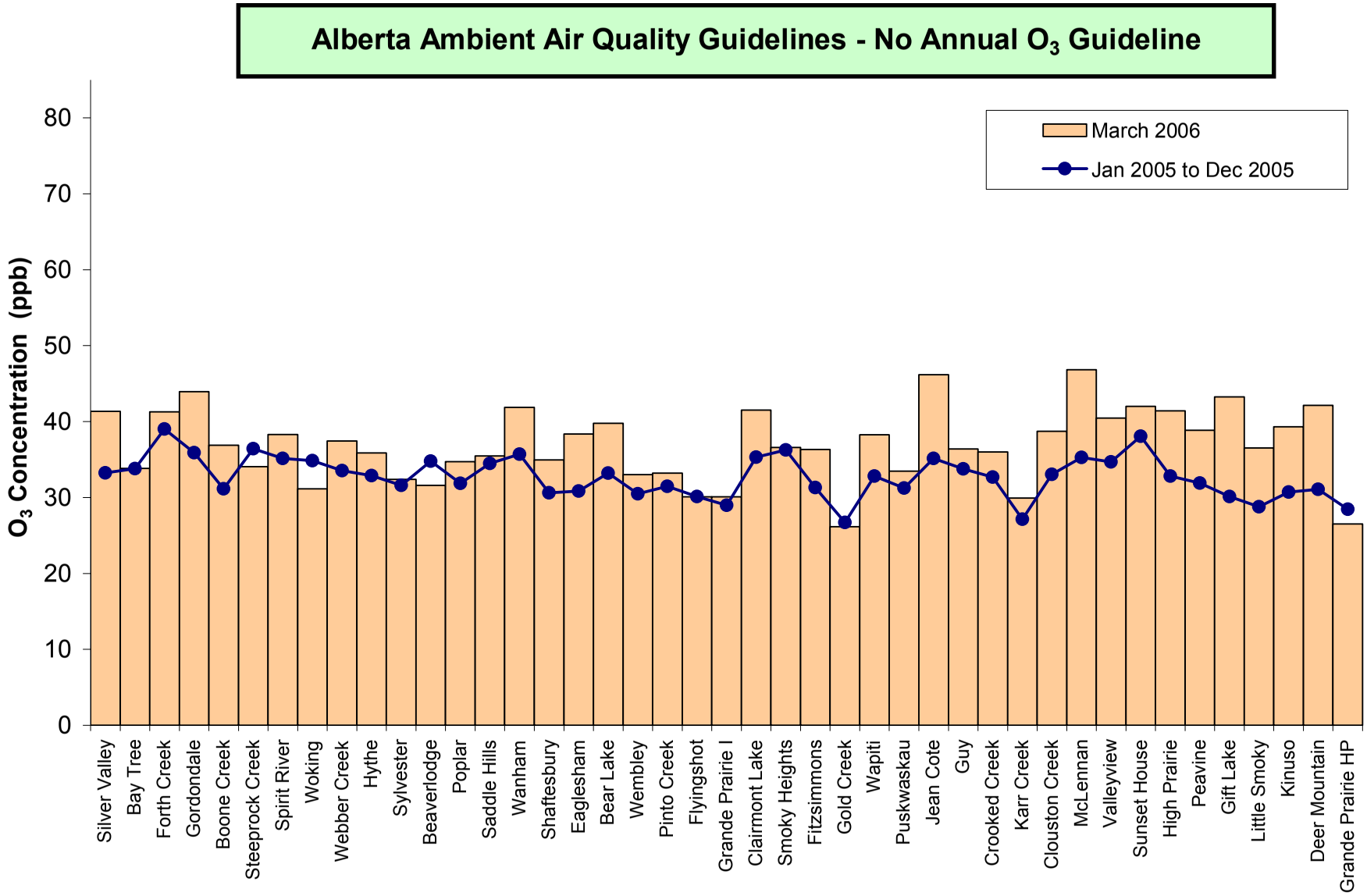


Figure 50. O_3 Summary Chart

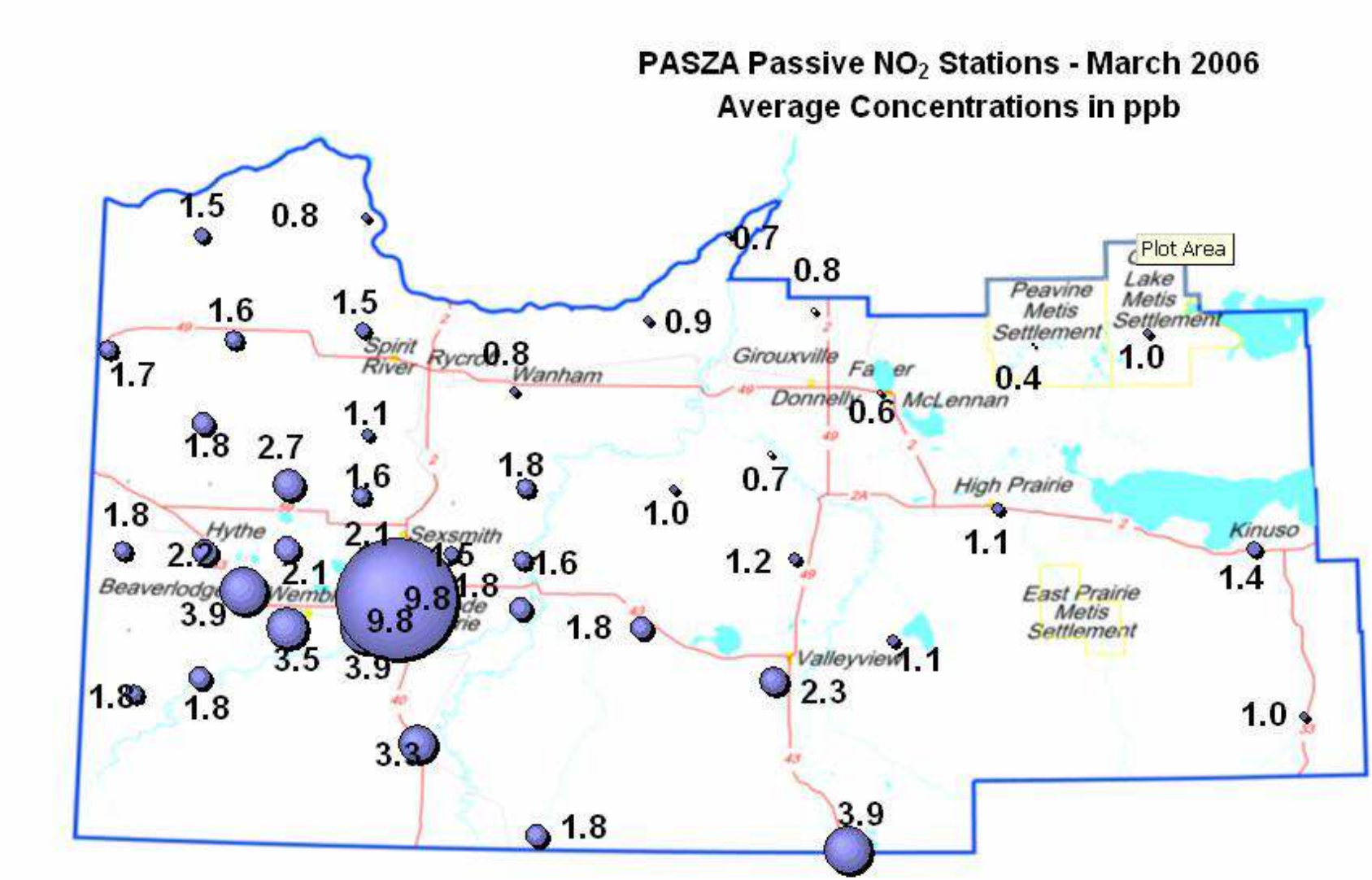


Figure 51. NO_2 Bubble Chart

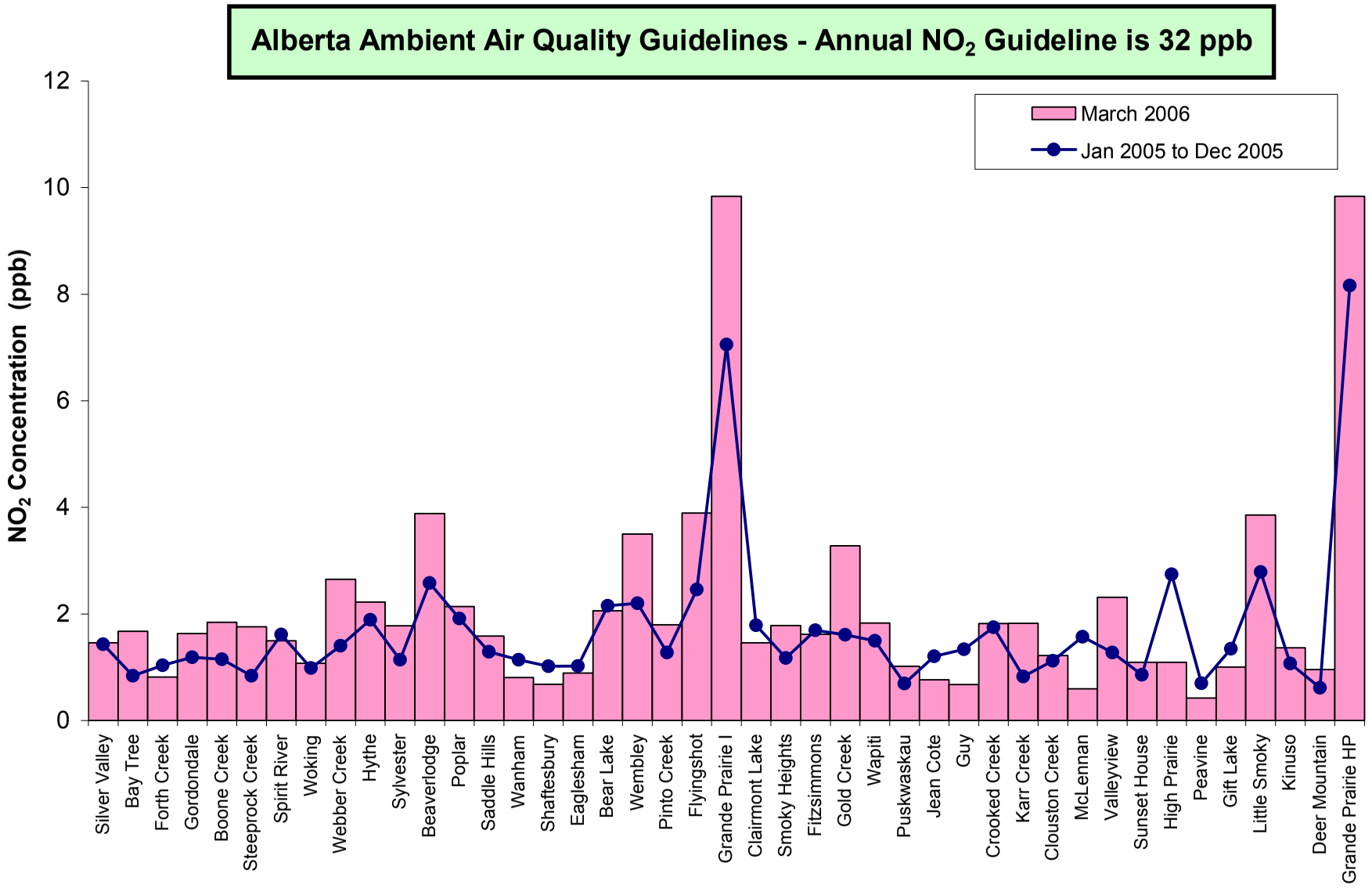


Figure 52. NO_2 Summary Chart

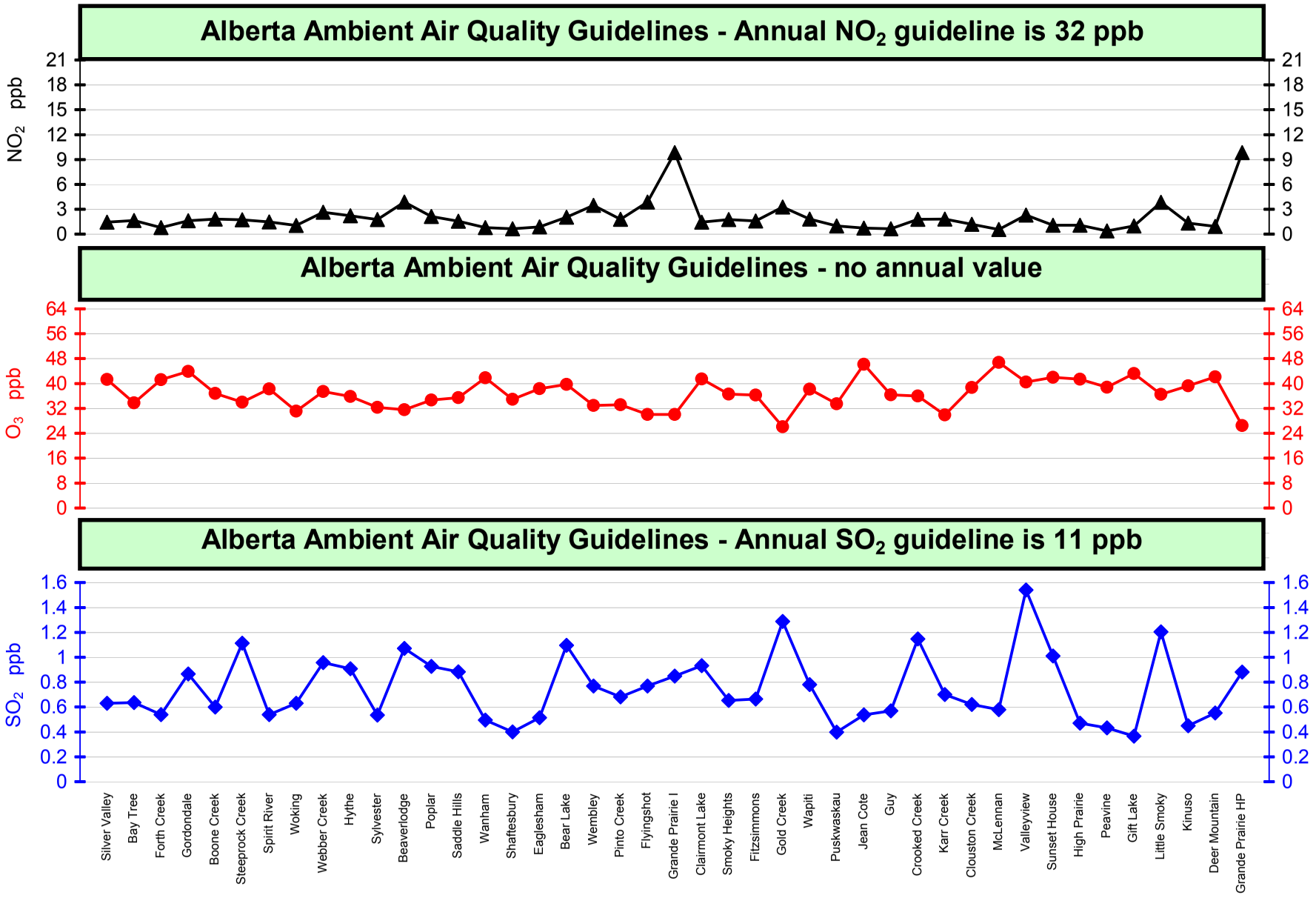


Figure 53. Overview Summary

March 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	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	11:05	End Time (MST)	16:25
Barometric Pressure	27.7 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	0.942621	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	1.005813	Calculated slope	0.999259
Calculated intercept	0.260907	Calculated intercept	0.079305

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

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 zero pot	167		167	
SO2 span pot	210		216	
UV Lamp voltage	948	V	951	V
Vacuum	17	" Hg	17.2	" Hg
Sample Flow	420	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	2073.8	0.0	0.2	N/A
2200	2073.8	386.0	386.3	0.9991
4000	3770.5	212.3	212.2	1.0004
9000	8483.6	94.3	94.1	1.0025
zero	2356.6	0.0	0.0	As Found Zero
2500	2356.6	339.7	330.0	As Found Span
			Average Correction Factor	1.0007

Calculated value of As Found Response: 332.166 ppm Percent Change of As Found: 2.2%

	before calibration		after calibration	
Auto zero	0.5	ppm	0.3	ppm
Auto span	343.3	ppm	342.8	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

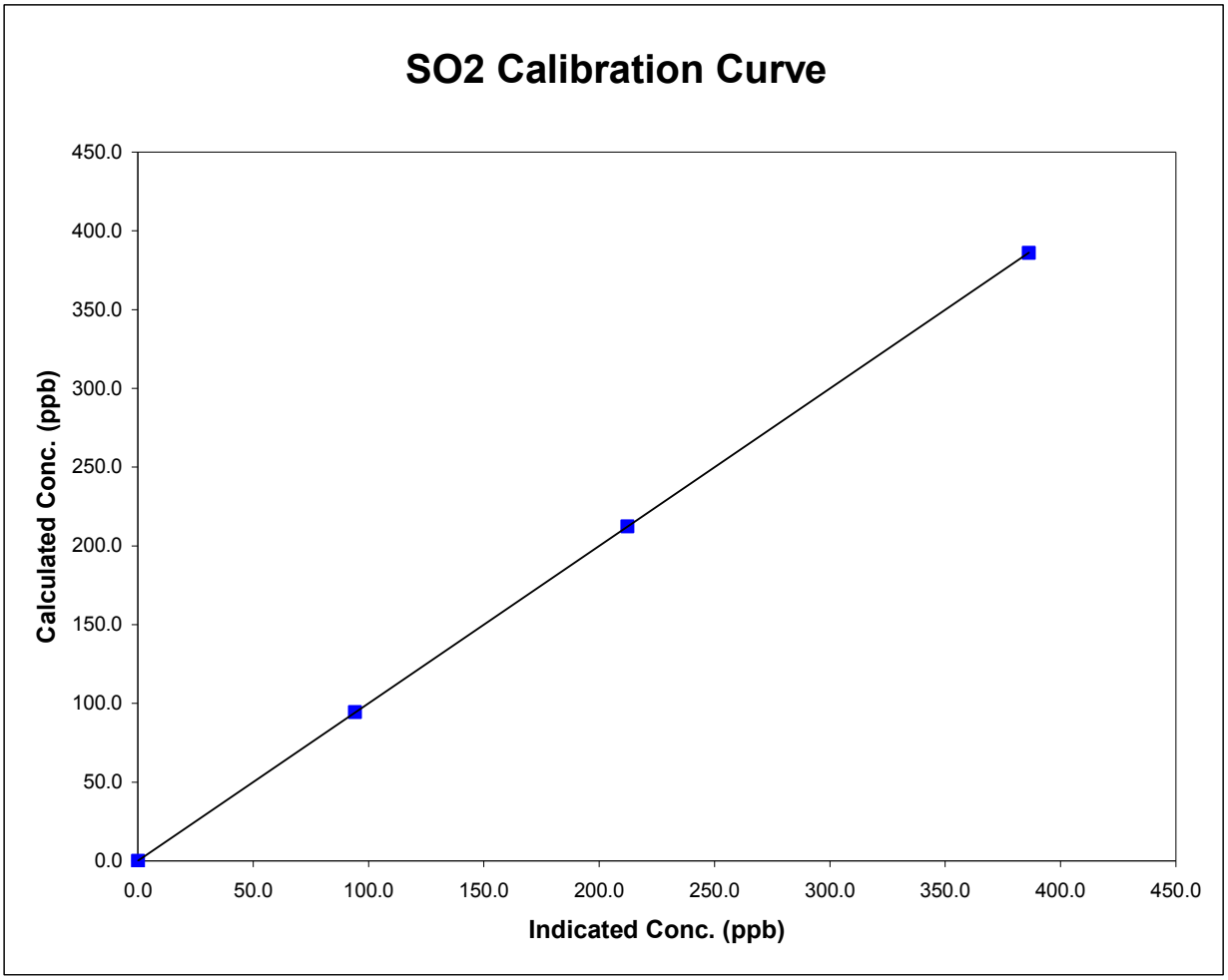
Air Monitoring Network **PASZA**

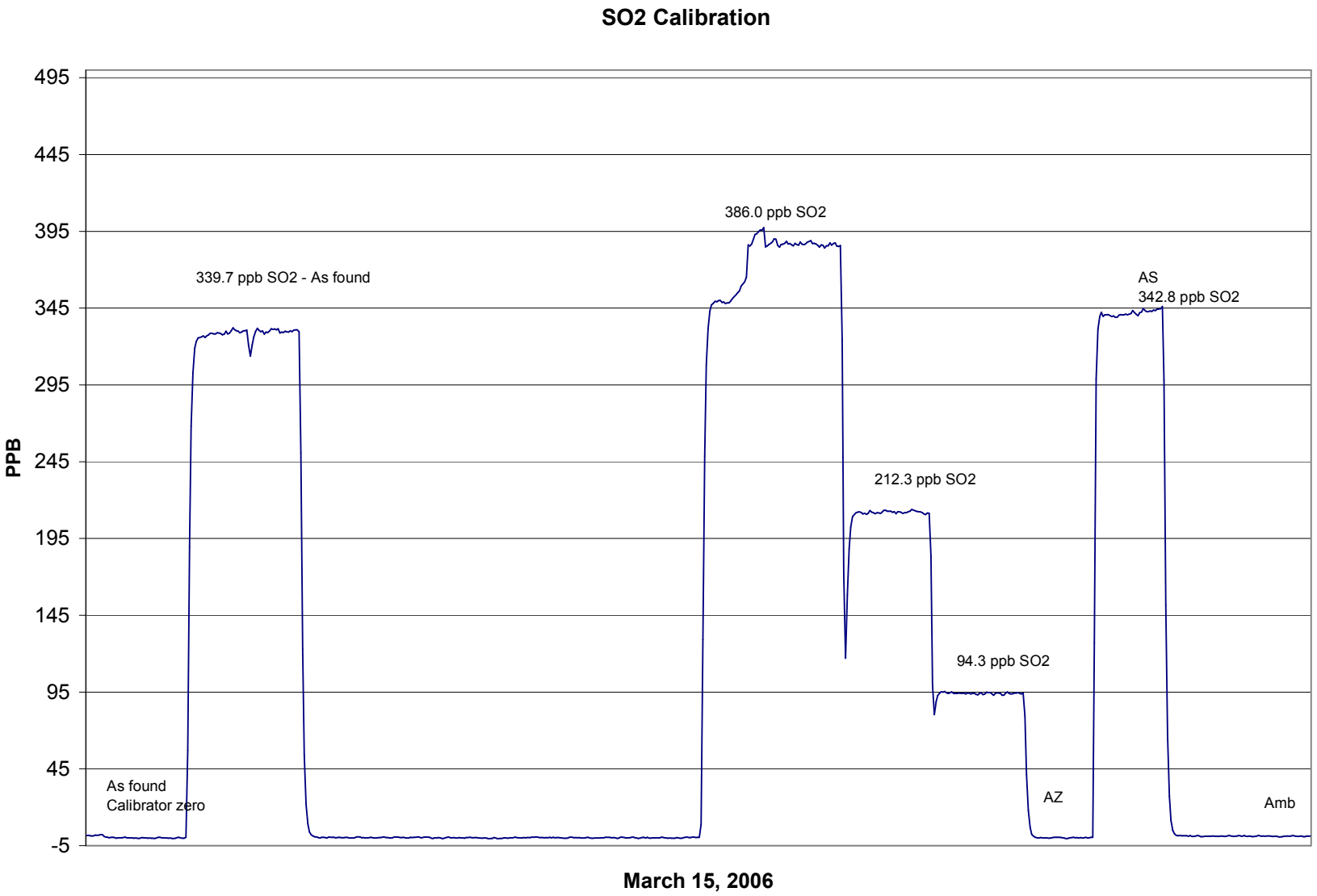
Station Information

Calibration Date	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:05	End Time (MST)	16:25
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		
386.0	386.3	0.9991	Correlation Coefficient	0.999998
212.3	212.2	1.0004		
94.3	94.1	1.0025	Slope	0.999259
			Intercept	0.079305




SO2 Calibration
495
445
395
345
295
245
195
145
95
45
-5
PPB
339.7 ppb SO2 - As found
386.0 ppb SO2
212.3 ppb SO2
94.3 ppb SO2
AS
342.8 ppb SO2
As found
Calibrator zero
AZ
Amb
March 15, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 3, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	10:45		End Time (MST)	16:50	
Barometric Pressure	0.927	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	1.010156	1.003515	0.995877
	Data Offset	-2.007936	1.380005	3.180047
After	Data Slope	1.004919	1.002648	1.006581
	Data Offset	-1.110727	0.507850	0.402622
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42C Analyzer serial # 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	8.2	ppb	8.5	mV
NOx background	8.1	ppb	9.5	mV
NO coefficient	0.961		0.890	
NOx coefficient	0.931		0.99	
Chamber Temp	49.8	Deg C	50.0	Deg C
Cooler Temp	-2.4	Deg C	-2.5	Deg C
Converter Temp	317.0	Deg C	318.0	Deg C
Vacuum	192.3	mm Hg	196.9	mm Hg

Notes:

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date: March 3, 2006 Station Location: Muskoseepi Park

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor
zero	4992	0.00	0.0	0.0	0.0	-0.1	0.0	0.0	N/A	N/A
1	4992	39.88	400.2	398.7	1.6	399.4	396.4	3.1	1.0021	1.0057
2	4992	19.91	200.6	199.8	0.8	197.7	196.3	1.5	1.0145	1.0180
3	4992	9.50	95.9	95.5	0.4	95.9	95.2	0.7	1.0005	1.0035
AFZ	4992	0.00	0.0	0.0	0.0	1.5	0.9	0.6	0.0000	0.0000
AFS	4992	39.88	400.2	398.7	1.6	403.3	425.2	-11.5	0.9925	0.9377
							Average Correction Factor		1.0057	1.0091

As Found Concentrations: NO_X= 403.1 NO= 427.5 As Found Percent Change NO_X= 0.7% NO= 7.2%

GPT Calibration Data

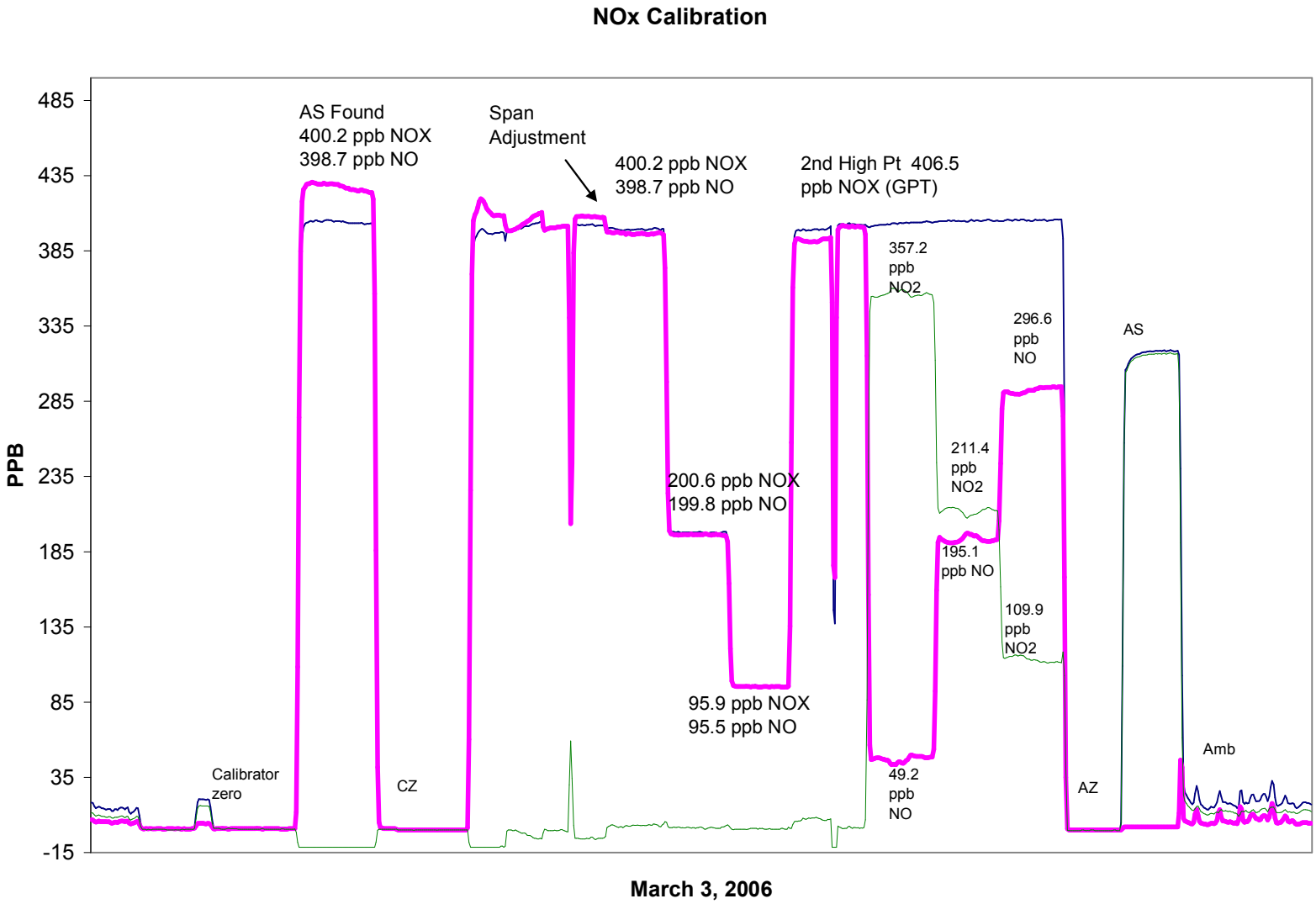
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

O3 Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	NO2 Correction factor	Converter Efficiency
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
NO point	406.5	404.2	2.3	402.6	401.1	1.5	1.0096	1.0076	N/A	N/A
350	406.5	49.2	357.2	404.0	48.5	355.9	1.0062	1.0149	1.0039	99.6%
200	406.5	195.1	211.4	405.2	193.4	212.1	1.0032	1.0087	0.9967	100.3%
100	406.5	296.6	109.9	405.5	294.3	111.6	1.0024	1.0079	0.9842	101.6%
					Average Correction Factor		1.0039	1.0105	0.9949	100.5%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.4	1.4	1.0	ppb	0.3	1.8	1.0	ppb
Auto span	87.2	88.0	0.5	ppb	319.9	317.1	2.4	ppb

Calibration Performed By: Dawn Ewan


NOx Calibration
PPB
485
435
385
335
285
235
185
135
85
35
-15
AS Found
400.2 ppb NOX
398.7 ppb NO
Span
Adjustment
400.2 ppb NOX
398.7 ppb NO
2nd High Pt 406.5
ppb NOX (GPT)
357.2
ppb
NO2
296.6
ppb
NO
AS
211.4
ppb
NO2
200.6 ppb NOX
199.8 ppb NO
195.1
ppb NO
109.9
ppb
NO2
95.9 ppb NOX
95.5 ppb NO
Amb
Calibrator
zero
CZ
49.2
ppb
NO
AZ
March 3, 2006

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

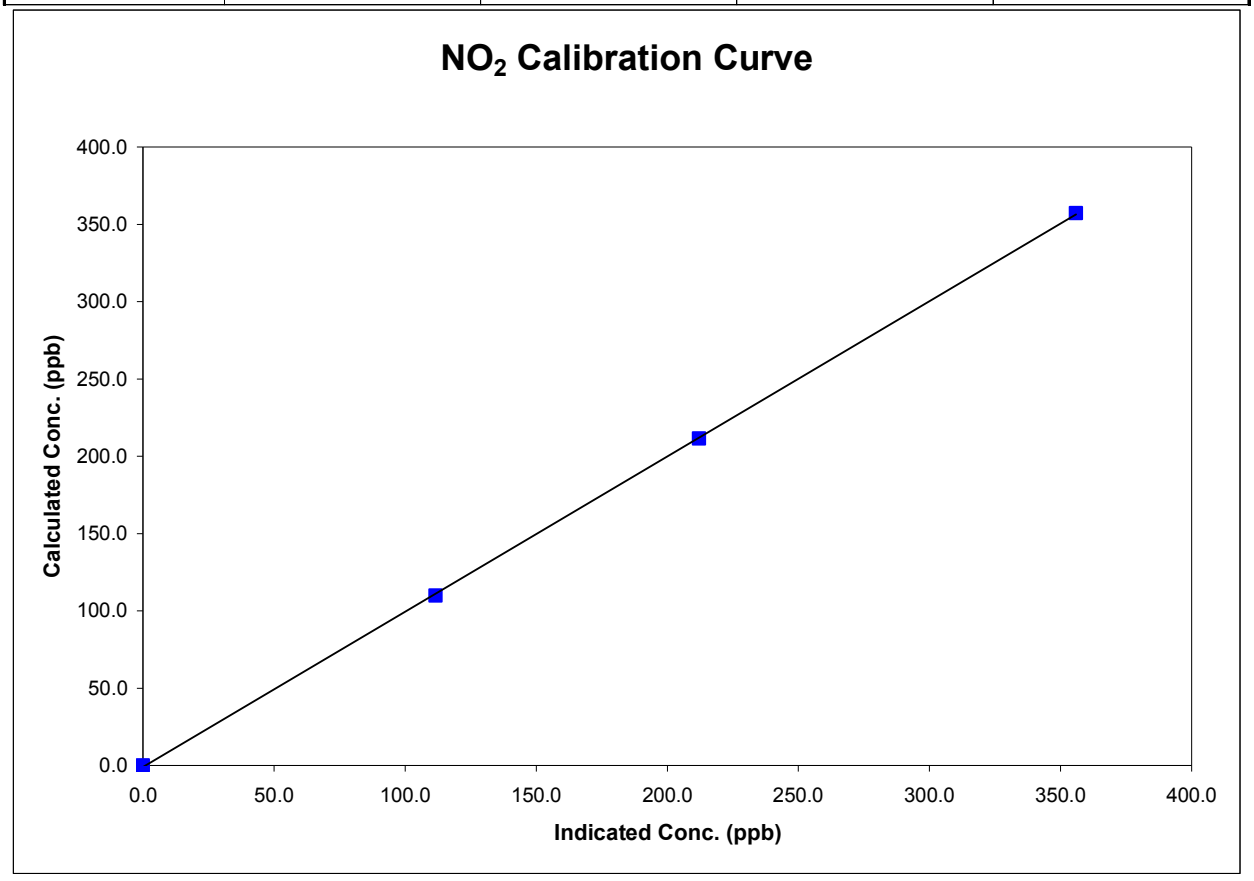
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 3, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:45	End Time (MST)	16:50
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	0.0000		
357.2	355.9	1.0039	Correlation Coefficient	0.999948
211.4	212.1	0.9967		
109.9	111.6	0.9842	Slope	1.004919
			Intercept	-1.110727



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

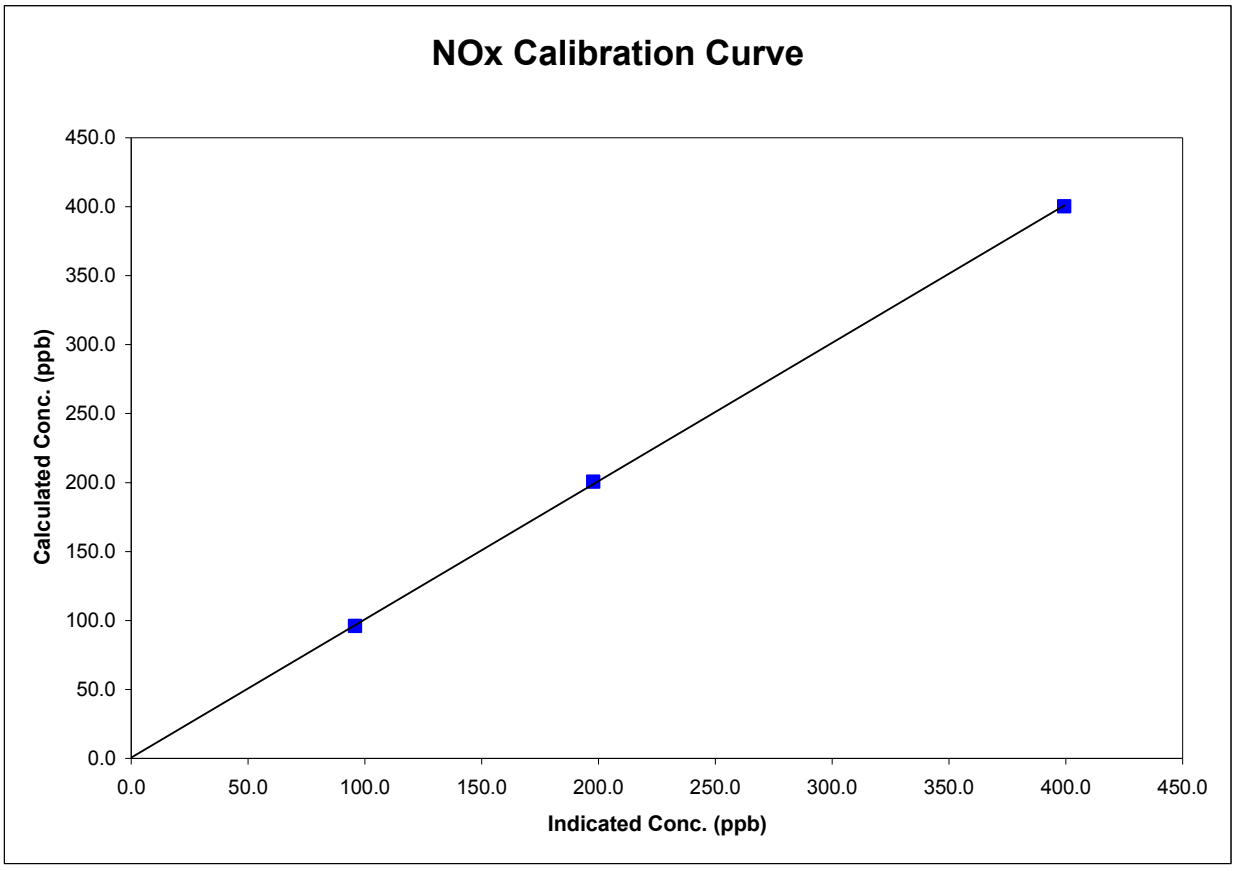
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 3, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:45	End Time (MST)	16:50
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	0.0000		
400.2	399.4	1.0021	Correlation Coefficient	0.999948
200.6	197.7	1.0145		
95.9	95.9	1.0005	Slope	1.002648
			Intercept	0.507850



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

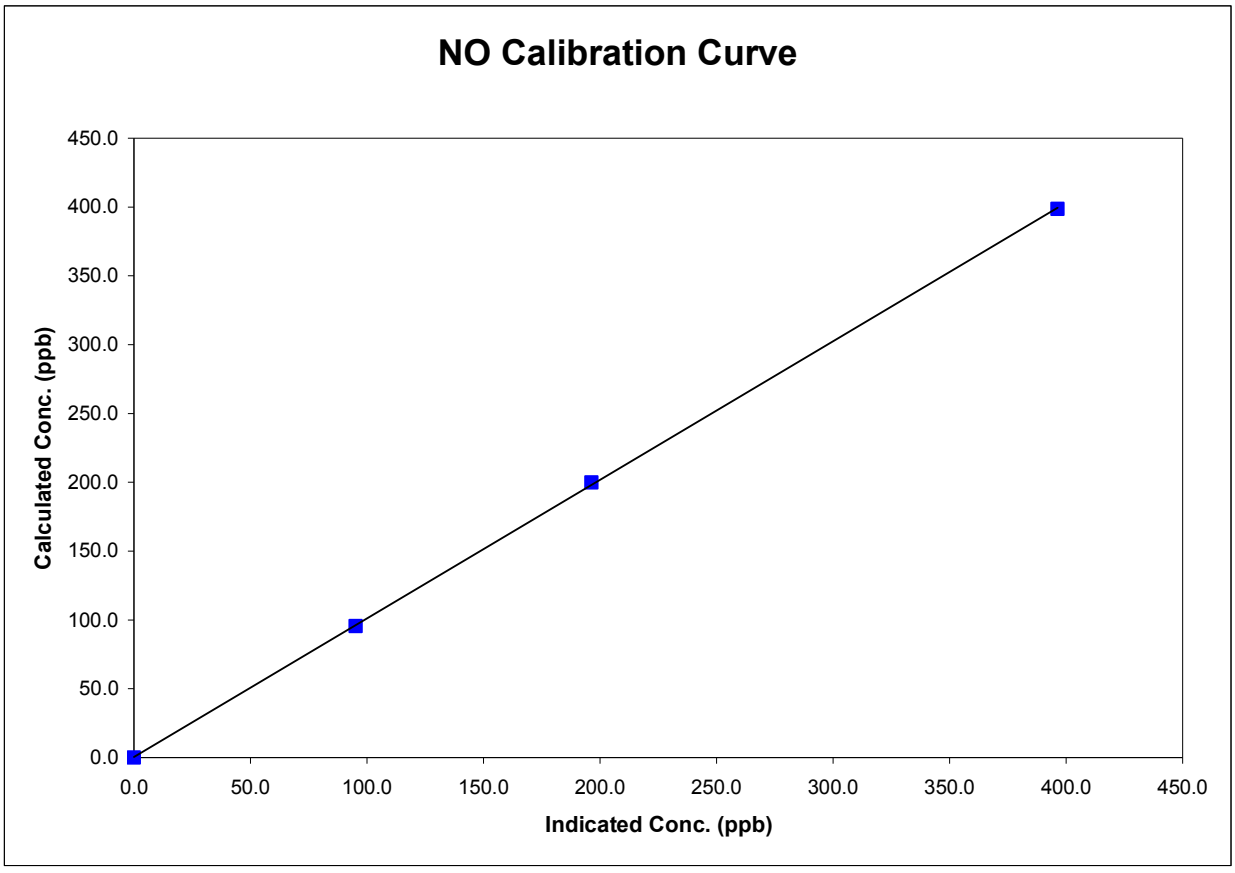
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 3, 2006	Previous Calibration	February 6, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:45	End Time (MST)	16:50
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
398.7	396.4	1.0057	Correlation Coefficient	0.999948
199.8	196.3	1.0180		
95.5	95.2	1.0035	Slope	1.006581
			Intercept	0.402622



Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 10, 2006	Previous Calibration	February 24, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	11:55	End Time (MST)	15:20
Barometric Pressure	0.923 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	0.995473	Calculated slope	0.998086
Calculated intercept	1.343630	Calculated intercept	-1.774955
Analyzer make	API Model 400	Analyzer serial #	383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	1.1	ppb	-0.7	ppb
slope	1.023		1.06	
Lamp measure	4138	mV	4103	mV
Lamp Reference	4144	mV	4104	mV
Pressure	27.9	inches Hg	27.2	inches Hg
Sample Flow	711	ccm	692	ccm
ANA Lamp temp	52	Deg C	52	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.7	N/A
4992	0.00	358.6	360.4	0.9951
4992	0.00	205.4	208.2	0.9866
4992	0.00	103.0	106.1	0.9706
4992	0.00	0.0	0.1	As found zero
4992	0.00	358.6	342.3	As found span
			Average Correction Factor	0.9841

Calculated value of As Found Response: 342.0 ppm Percent Change of As Found: -4.6%

	before calibration		after calibration	
Auto zero	0.2	ppb	-0.5	ppb
Auto span	253.3	ppb	268.7	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

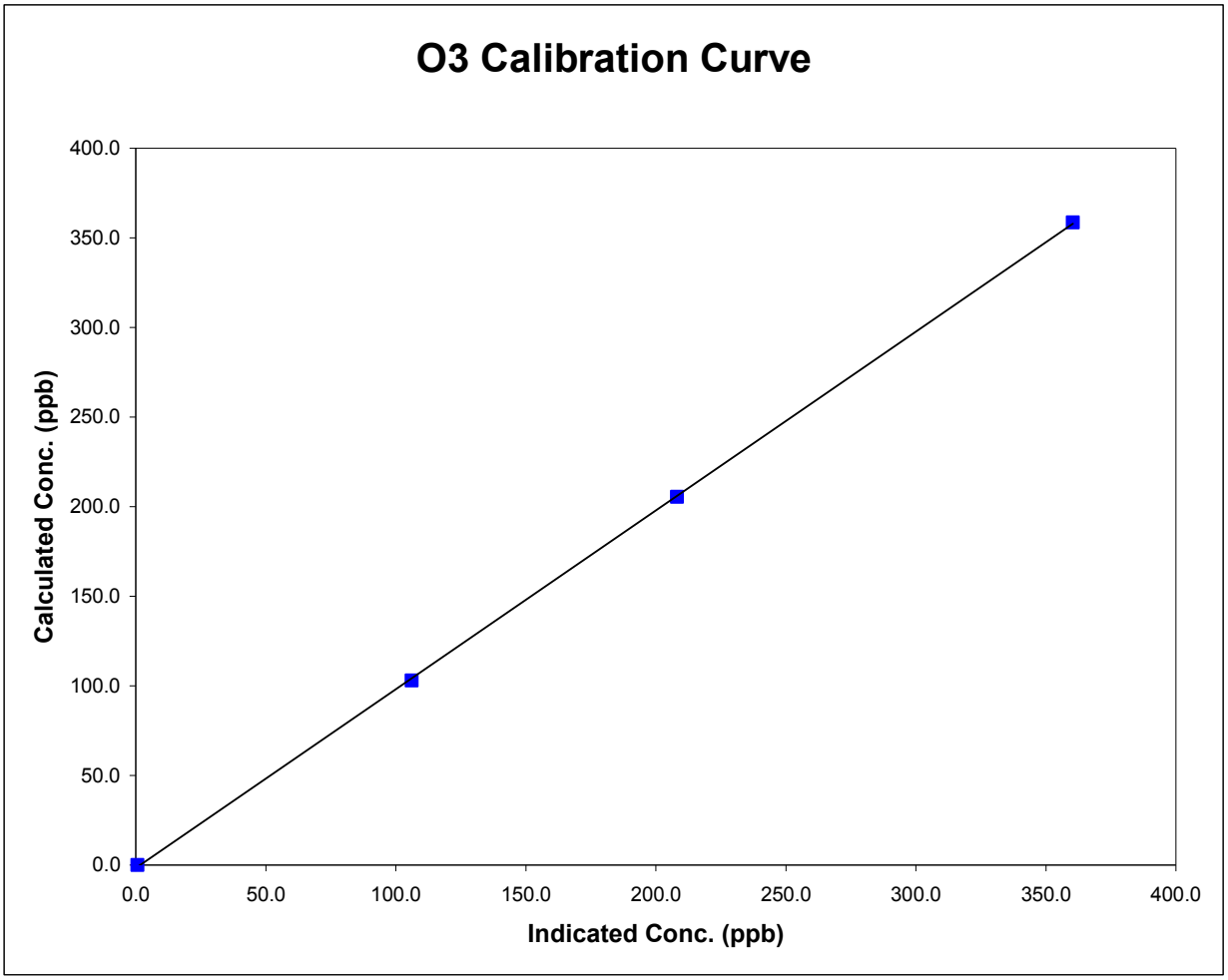
FOCUS AIR QUALITY MONITORING

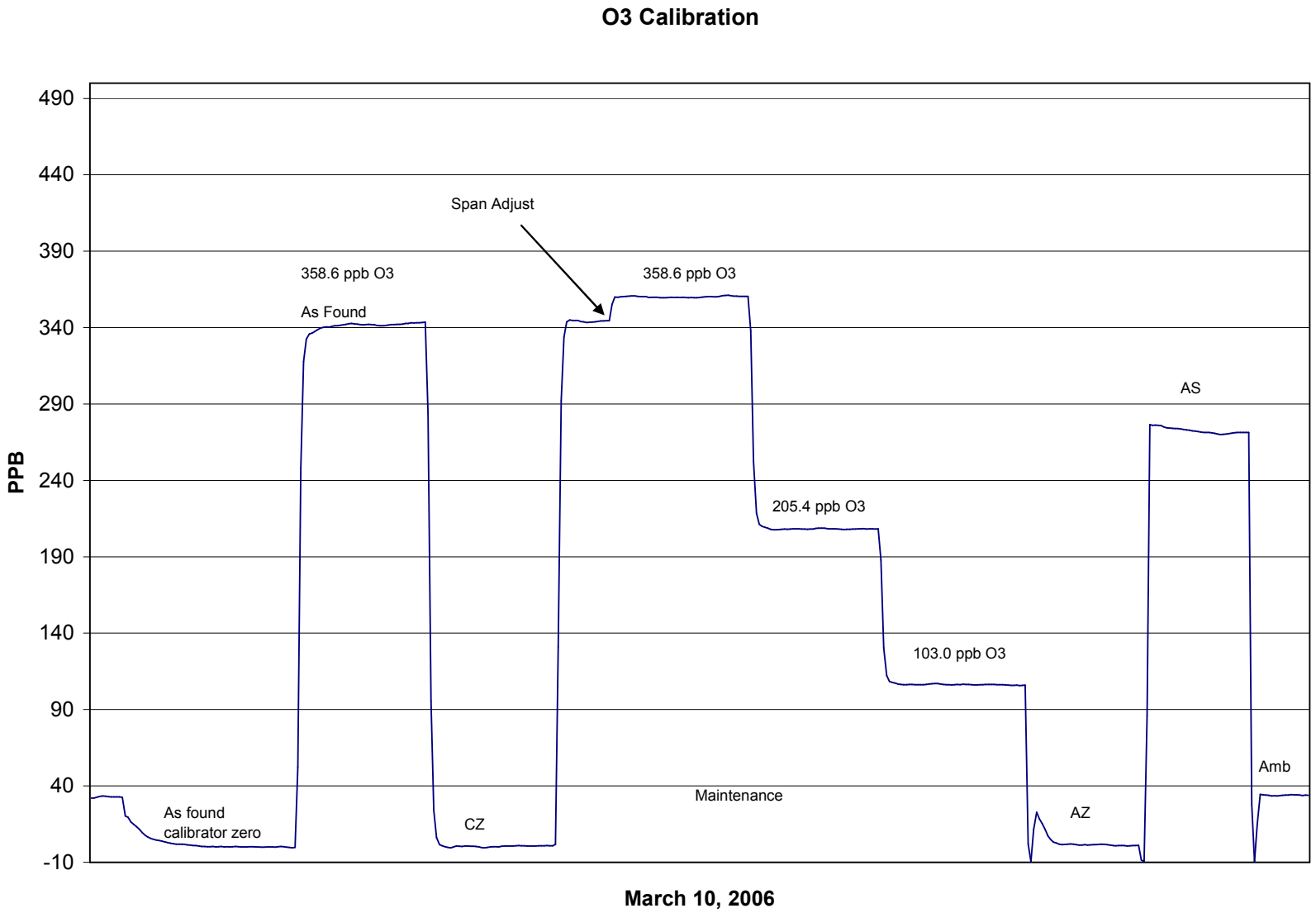
Station Information

Calibration Date	March 10, 2006	Previous Calibration	February 24, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:55	End Time (MST)	15:20
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	0.7	NA		
358.6	360.4	0.9951	Correlation Coefficient	0.999953
205.4	208.2	0.9866		
103.0	106.1	0.9706	Slope	0.998086
			Intercept	-1.774955




O3 Calibration
490
440
390
340
290
240
190
140
90
40
-10
PPB
Span Adjust
358.6 ppb O3
As Found
358.6 ppb O3
AS
205.4 ppb O3
103.0 ppb O3
Amb
As found
calibrator zero
CZ
Maintenance
AZ
March 10, 2006

Calibration Report

Parameter **CO**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 1, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	11:15	End Time (MST)	14:15
Barometric Pressure	0.931 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	1.004121	Calculated slope	1.005774
Calculated intercept	0.067593	Calculated intercept	0.085119
Analyzer make	TEI Model 48C	Analyzer serial #	508011062

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.042		4.734	
CO zero setting	4.555		1.042	
Sample pressure	690.9	mm Hg	694.7	mm Hg
Sample Flow	1.081	LPM	1.086	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	0.00	N/A
4992	39.88	23.78	23.64	1.0058
4992	19.91	11.92	11.59	1.0283
4992	9.50	5.70	5.59	1.0200
4992	0.00	0.00	0.26	As Found Zero
4992	39.88	23.78	24.11	As Found Span
			Average Correction Factor	1.0180

Calculated value of As Found Response: 24.015 ppm Percent Change of As Found: -1.0%

	before calibration		after calibration	
Auto zero	0.10	ppm	0.31	ppm
Auto span	19.54	ppm	21.27	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **CO**

Air Monitoring Network **PASZA**

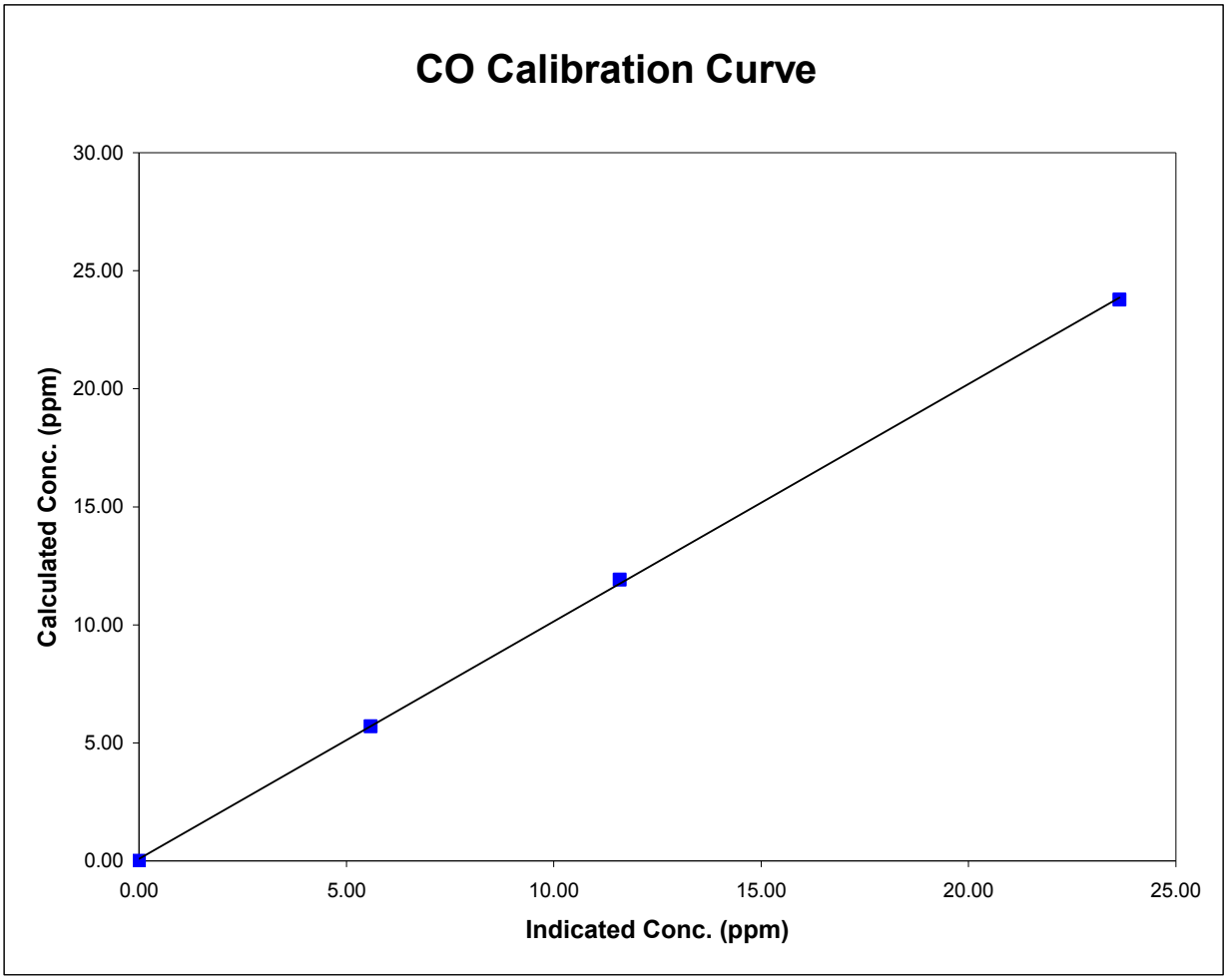
FOCUS AIR QUALITY MONITORING

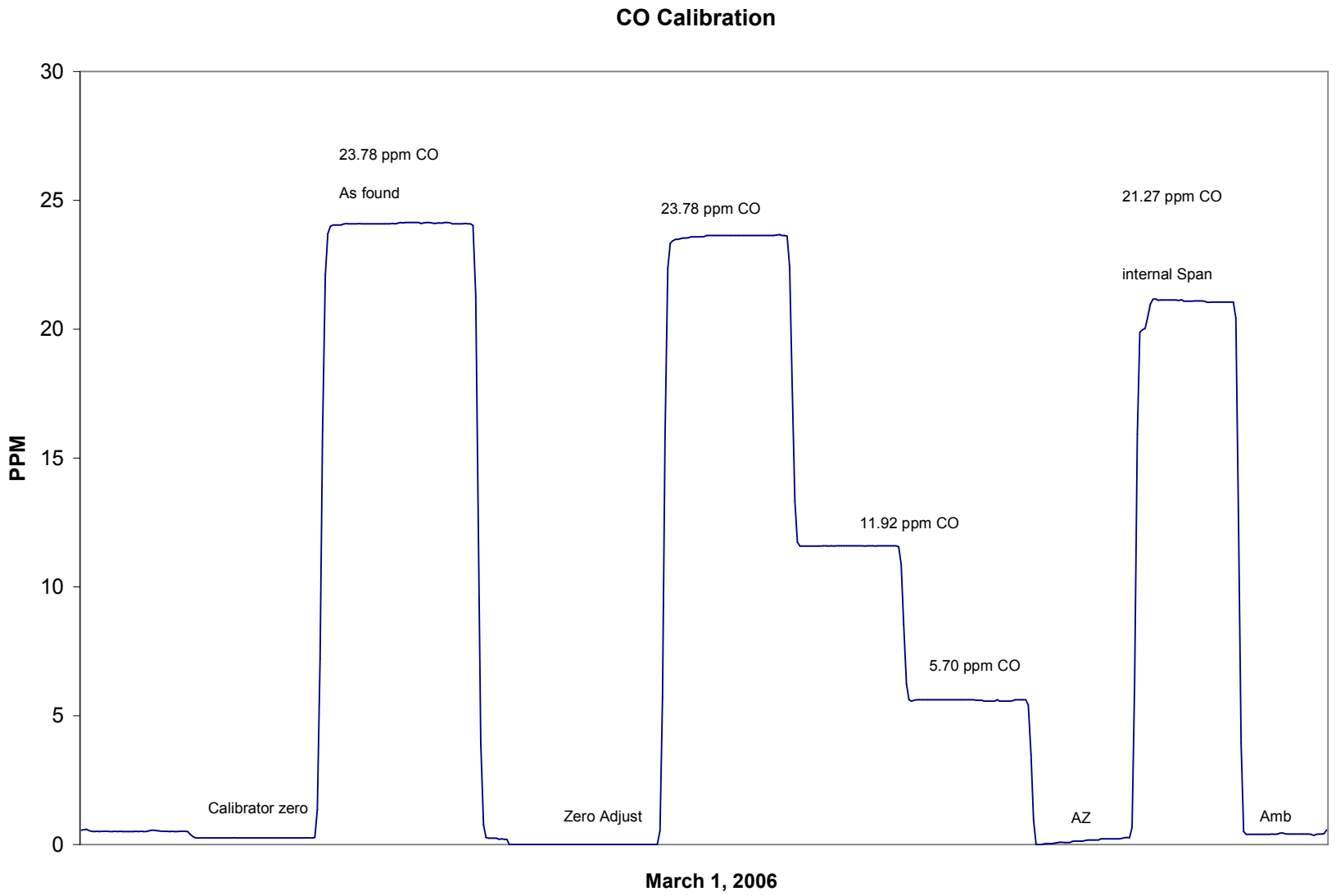
Station Information

Calibration Date	March 1, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:15	End Time (MST)	14:15
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	0.000	N/A		
23.776	23.640	1.0058	Correlation Coefficient	0.999853
11.918	11.589	1.0283		
5.698	5.587	1.0200	Slope	1.005774
			Intercept	0.085119




CO Calibration
30
25
20
15
10
5
0
PPM
23.78 ppm CO
As found
23.78 ppm CO
21.27 ppm CO
internal Span
11.92 ppm CO
5.70 ppm CO
Calibrator zero
Zero Adjust
AZ
Amb
March 1, 2006

Calibration Report

Parameter **THC**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	10:47	End Time (MST)	15:57
Barometric Pressure	0.927 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	0.999142	Calculated slope	1.002825
Calculated intercept	0.002270	Calculated intercept	0.025160

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	7109	capture	1709	capture
THC zero counts	1559	capture	7404	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	0.02	N/A
4992	64.92	19.54	19.49	1.0027
4992	34.95	10.58	10.49	1.0092
4992	9.92	3.02	2.96	1.0208
4992	0.00	0.00	0.58	As Found Zero
4992	64.92	19.54	20.53	As Found Span
			Average Correction Factor	1.0109

Calculated value of As Found Response: 19.939 ppm Percent Change of As Found: -2.0%

	before calibration		after calibration	
Auto zero	0.01	ppm	0.13	ppm
Auto span	22.79	ppm	22.03	ppm

Notes: Adjust span and zero

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **THC**

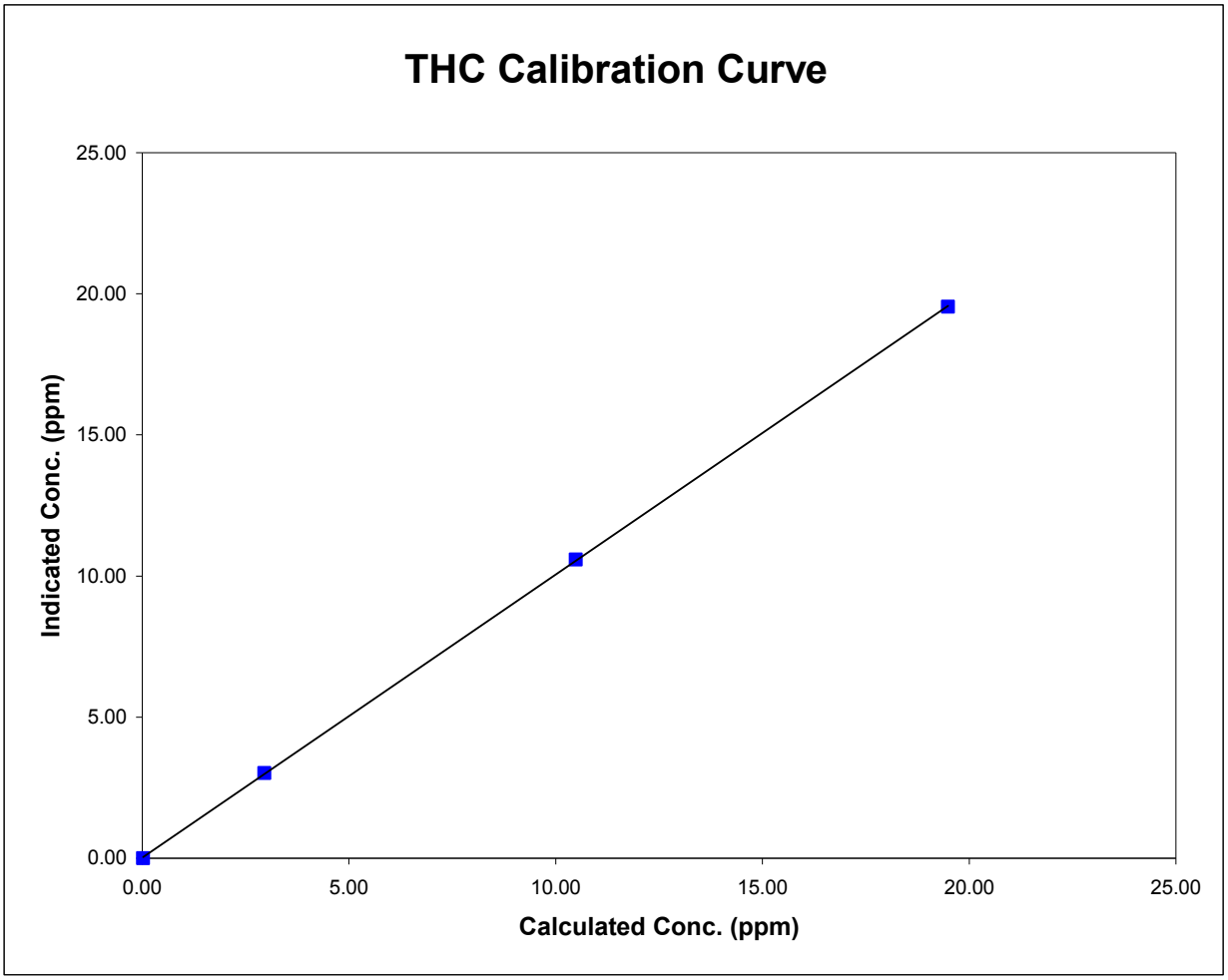
Air Monitoring Network **PASZA**

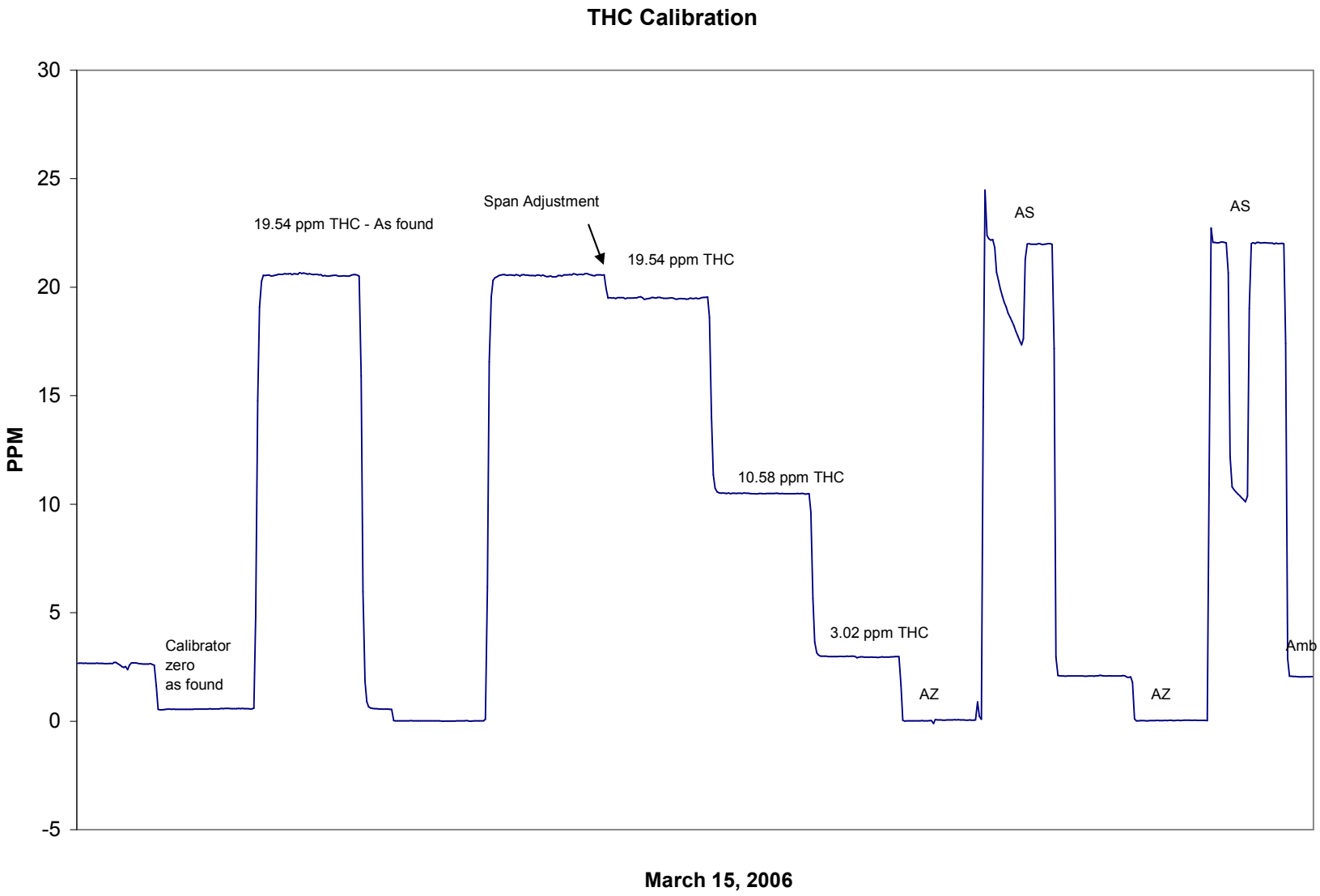
Station Information

Calibration Date	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:47	End Time (MST)	15:57
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	0.018	N/A		
19.542	19.488	1.0027	Correlation Coefficient	0.999978
10.583	10.487	1.0092		
3.019	2.957	1.0208	Slope	1.002825
			Intercept	0.025160




THC Calibration
30
25
20
15
10
5
0
-5
PPM
19.54 ppm THC - As found
Span Adjustment
19.54 ppm THC
10.58 ppm THC
3.02 ppm THC
AZ
AS
AZ
AS
Amb
Calibrator
zero
as found
March 15, 2006

Calibration Report

Parameter **THC**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 27, 2006	Previous Calibration	March 15, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason: Routine	Install	Removal	Other: Zero Adjustment
Start Time (MST)	19:54	End Time (MST)	22:27
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.002825	Calculated slope	1.001143
Calculated intercept	0.025160	Calculated intercept	0.002285
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	7404	capture	6975	capture
THC zero counts	1709	capture	1336	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	0.00	N/A
4992	64.92	19.54	19.52	1.0013
4992	0.00	0.00	-1.24	As Found Zero
4992	64.92	19.54	17.97	As Found Span
			Average Correction Factor	1.0013

Calculated value of As Found Response: 19.288 ppm Percent Change of As Found: 1.3%

	before calibration		after calibration	
Auto zero	0.01	ppm	0.04	ppm
Auto span	22.79	ppm	22.09	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **THC**

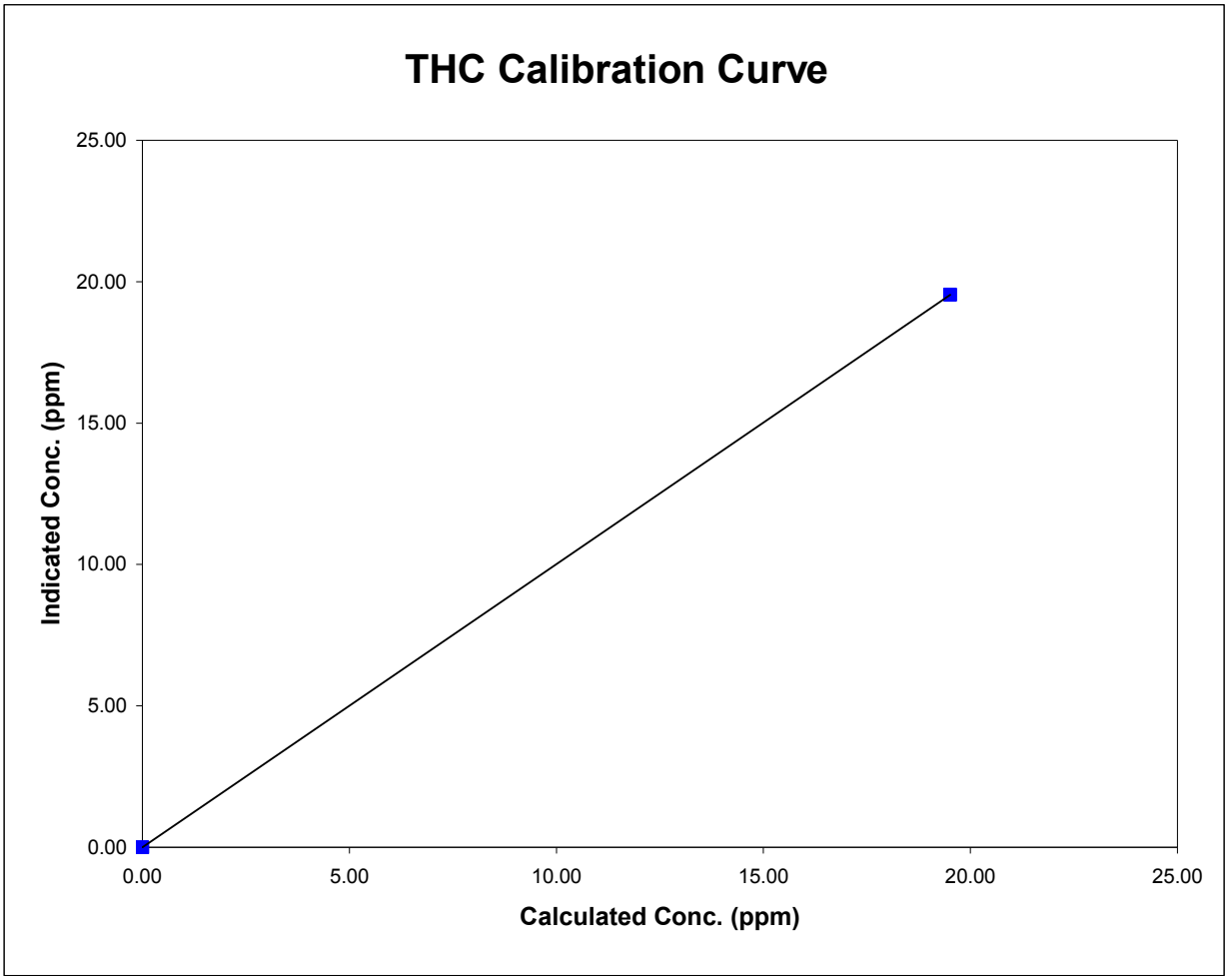
Air Monitoring Network **PASZA**

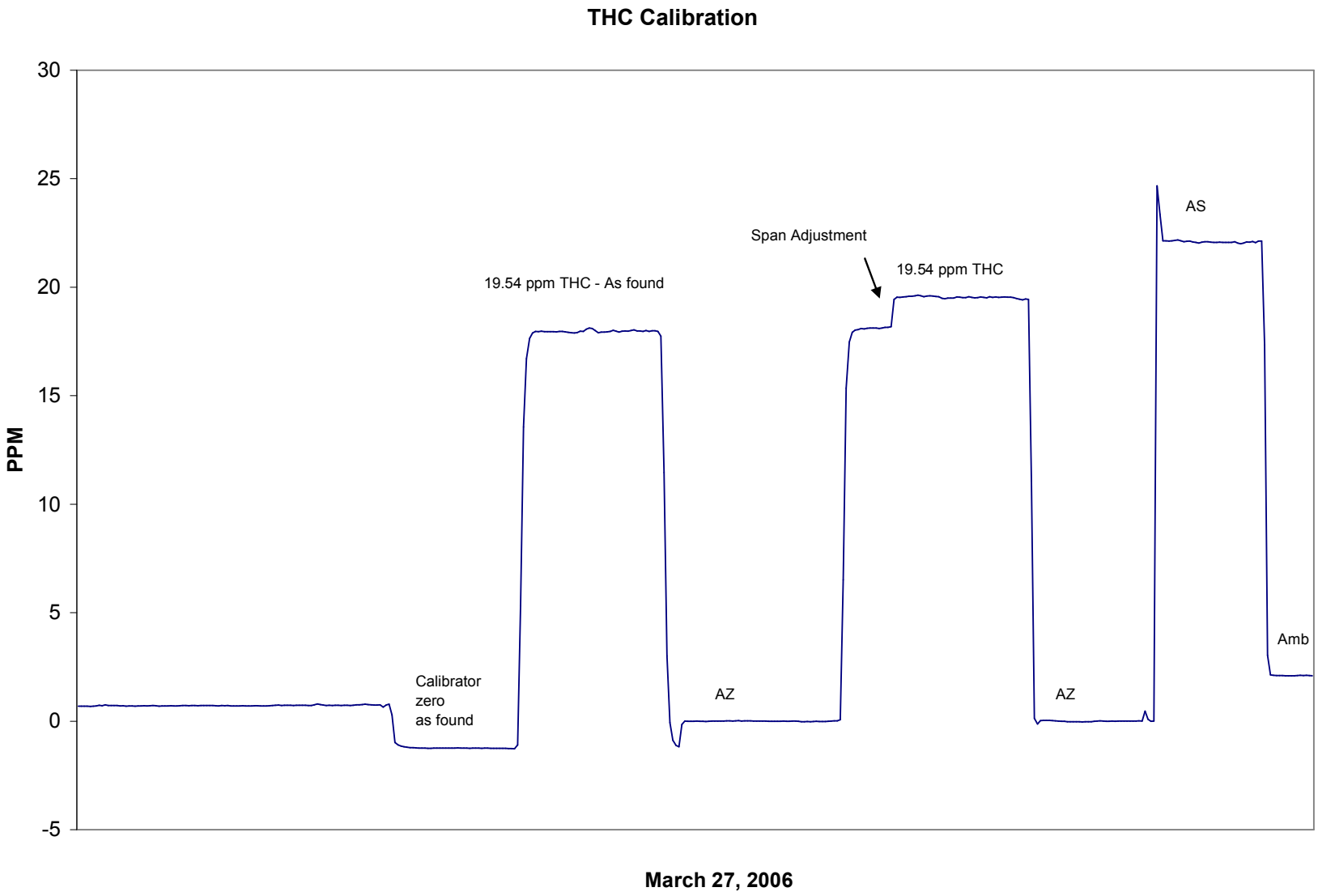
Station Information

Calibration Date	March 27, 2006	Previous Calibration	March 15, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	19:54	End Time (MST)	22:27
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	-0.002	N/A		
19.542	19.517	1.0013	Correlation Coefficient	1.000000
			Slope	1.001143
			Intercept	0.002285




THC Calibration
30
25
20
15
10
5
0
-5
PPM
19.54 ppm THC - As found
Span Adjustment
19.54 ppm THC
AS
Amb
Calibrator
zero
as found
AZ
AZ
March 27, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park

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

Start Time (MST)	11:05	End Time (MST)	16:25
Barometric Pressure	27.7 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	0.942621	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	1.004058	Calculated slope	1.004529
Calculated intercept	-0.045878	Calculated intercept	-0.050102

Analyzer make: TEI Model 43C Analyzer serial #: 31990000000491

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	20	ppb	23.4	ppb
coefficient	1.145		1.186	
Lamp Voltage	887	volts	892	volts
Chamber Temp	44.8	Deg C	45	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	636.7	mm Hg	664.4	mm Hg
Sample Flow	728	ccm	506	ccm
Lamp Intesity	39,200	mv	39,500	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	2073.8	0.0	0.0	N/A
2200	2073.8	62.8	62.5	1.0048
4000	3770.5	34.5	34.6	0.9990
9000	8483.6	15.3	15.3	1.0046
zero	2366.0	0.0	2.5	As Found Zero
2510	2366.0	55.0	49.6	As Found Span
			Average Correction Factor	1.0028

Calculated value of As Found Response: 47.26 ppm Percent Change of As Found: 14.1%

	before calibration		after calibration	
Auto zero	0.3	ppm	0.5	ppm
Auto span	64.5	ppm	99.9	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **TRS**

Air Monitoring Network **PASZA**

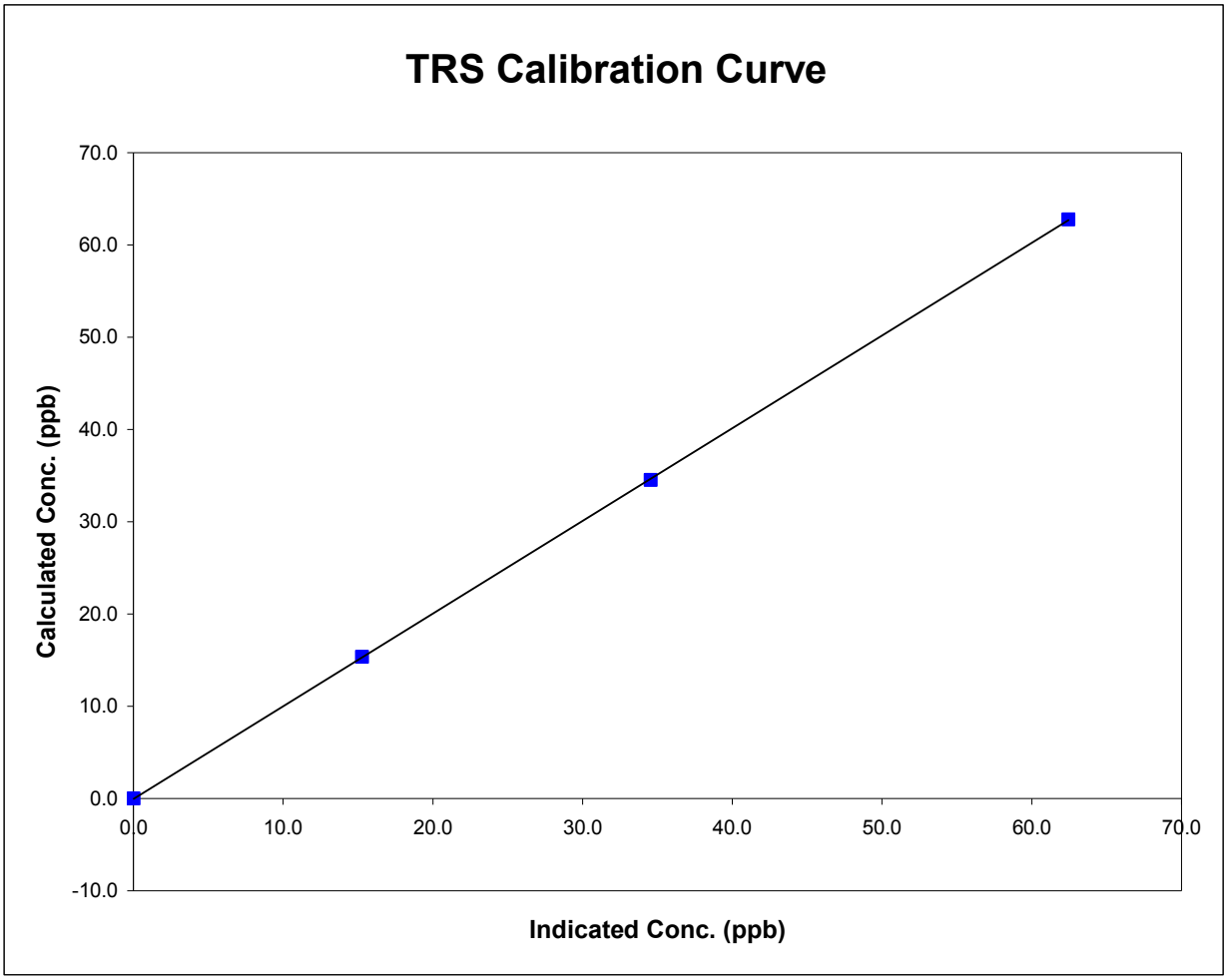
FOCUS AIR QUALITY MONITORING

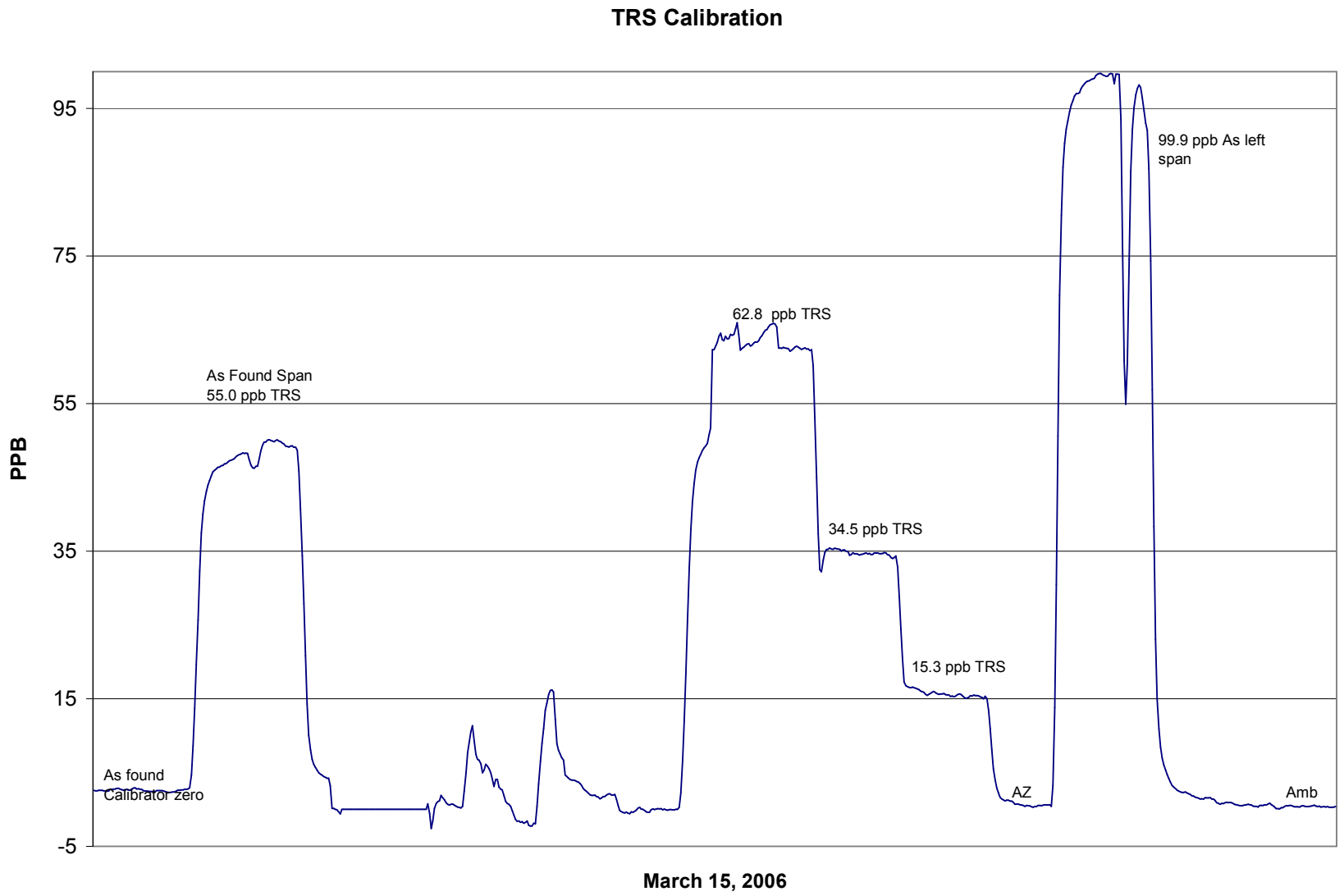
Station Information

Calibration Date	March 15, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:05	End Time (MST)	16:25
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	0.0	N/A		
62.8	62.5	1.0048	Correlation Coefficient	0.999987
34.5	34.6	0.9990		
15.3	15.3	1.0046	Slope	1.004529
			Intercept	-0.050102




TRS Calibration
95
75
55
35
15
-5
PPB
As found
Calibrator zero
As Found Span
55.0 ppb TRS
62.8 ppb TRS
34.5 ppb TRS
15.3 ppb TRS
AZ
99.9 ppb As left
span
Amb
March 15, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 27, 2006	Previous Calibration	February 8, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	20:15	End Time (MST)	21:30
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	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	13.68	SLPM	13.68	SLPM
Filter Load	54	%	13	%
Ko Factor	12122		12122	
Temperature	0.38	Deg C	0.4	Deg C
Pressure	0.924	ATM	0.924	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		0.00
zero flow - auxillary	0.0	-0.05		-0.05
flow recovery - main	45 - 60 Seconds	28.00	45 - 60 Seconds	28.00
flow recovery - aux	46 - 60 Seconds	47.00	46 - 60 Seconds	47.00
Temperature	measured	0.2	+/- 1.0 Deg C	0.2
Pressure	measured	0.924	+/- 1.5% Δ_{ATM}	0.924
Total Flow	16.67 SLPM	15.45		15.45
Main Flow	13.67 SLPM	13.05	+/- 1.0 SLPM	13.05
Auxillary Flow	3.0 SLPM	2.801	+/- 0.2 SLPM	2.801
Leak Check - main	0.0	0.01	<0.15 SLPM	0.01
Leak Check - aux	0.0	0.01	<0.15 SLPM	0.01
Ko Factor (w/o filter)	measured		filter weight (g)	0.11112
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 14, 2006	Previous Calibration	February 10, 2006
Station Number	2	Station Location	Evergreen Park

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

Start Time (MST)	10:50	End Time (MST)	15:38
Barometric Pressure	27.6 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	0.938541	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	0.998064	Calculated slope	0.996055
Calculated intercept	-3.402631	Calculated intercept	-6.173074

Analyzer make	API 100		Analyzer serial #	32

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	473	ccm	423	ccm
UV Lamp Voltage	3290	mv	3245	mv
Lamp Ratio	93	%	92	%
Rx Cell Temp	50	Deg C	49	Deg C
PMT Temp	10	Deg C	10	Deg C
IZS Temp	40	Deg C	40	Deg C
Slope	8.83		9.23	
Intercept	228.4		173.7	

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	1970.9	0.0	-0.2	N/A
2100	1970.9	406.1	409.7	0.9913
4000	3754.2	213.2	225.3	0.9463
9000	8446.9	94.8	106.9	0.8867
zero	1970.9		-2.8	As Found Zero
2100	1970.9	406.1	402.8	As Found Span
			Average Correction Factor	0.9414

Calculated value of As Found Response: 401.473 ppm Percent Change of As Found: 1.1%

	before calibration		after calibration	
Auto zero	-3.6	ppm	-4.4	ppm
Auto span	256.2	ppm	181.6	ppm

Notes: New perm tube.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

Air Monitoring Network **PASZA**

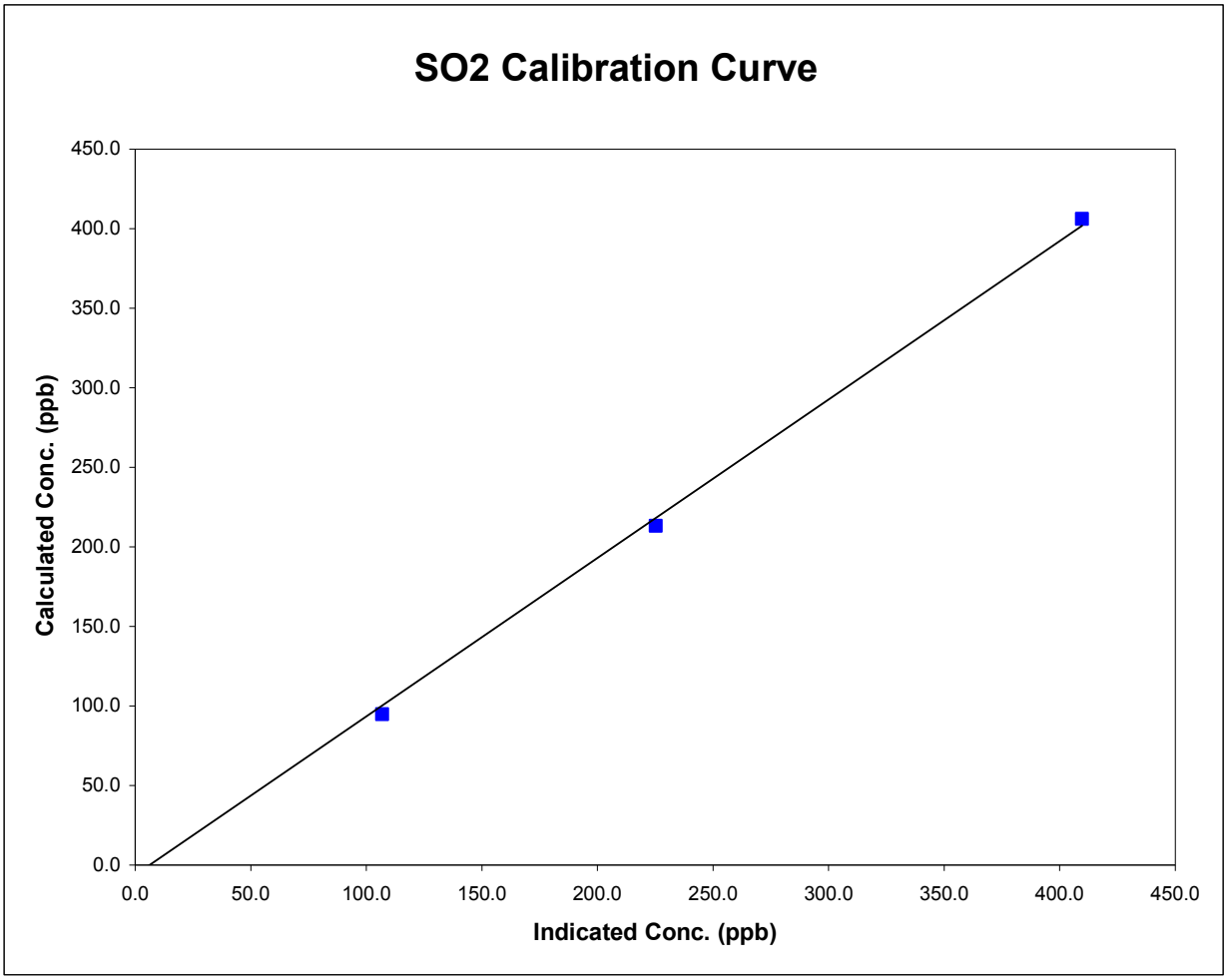
FOCUS AIR QUALITY MONITORING

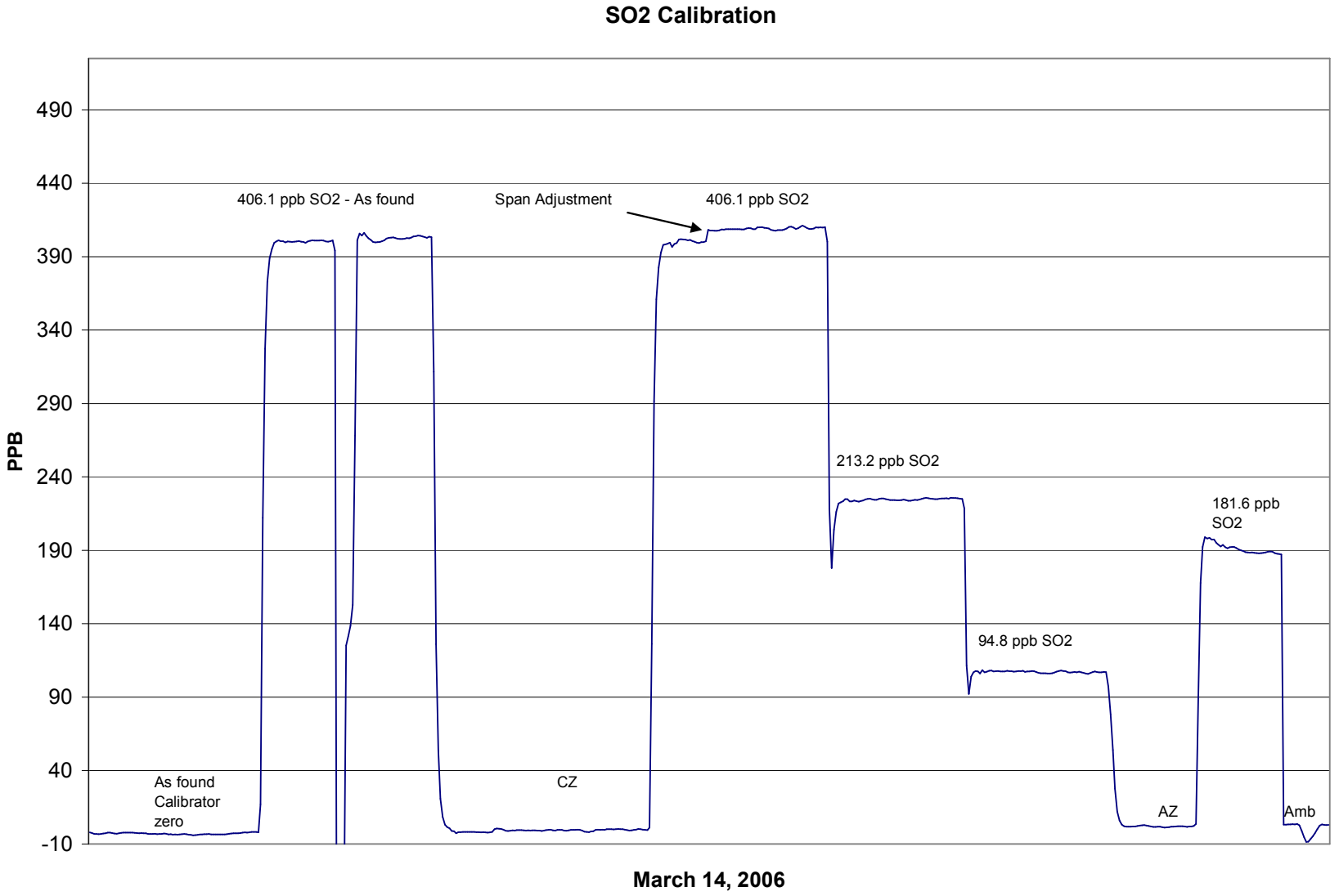
Station Information

Calibration Date	March 14, 2006	Previous Calibration	February 10, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	10:50	End Time (MST)	15:38
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	-0.2	N/A		
406.1	409.7	0.9913	Correlation Coefficient	0.998763
213.2	225.3	0.9463		
94.8	106.9	0.8867	Slope	0.996055
			Intercept	-6.173074




SO2 Calibration
PPB
490
440
390
340
290
240
190
140
90
40
-10
406.1 ppb SO2 - As found
Span Adjustment
406.1 ppb SO2
213.2 ppb SO2
181.6 ppb SO2
94.8 ppb SO2
As found Calibrator zero
CZ
AZ
Amb
March 14, 2006

Calibration Report

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 17, 2006	Previous Calibration	March 14, 2006
Station Number	2	Station Location	Evergreen Park

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

Start Time (MST)	12:10	End Time (MST)	16:41
Barometric Pressure	27.6 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	0.939561	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	0.996055	Calculated slope	0.990689
Calculated intercept	-6.173074	Calculated intercept	-6.136535

Analyzer make	API 100	Analyzer serial # 32

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	423	ccm	420	ccm
UV Lamp Voltage	3245	mv	3245	mv
Lamp Ratio	92	%	92	%
Rx Cell Temp	49	Deg C	49	Deg C
PMT Temp	10	Deg C	10	Deg C
IZS Temp	40	Deg C	40	Deg C
Slope	9.23		9.19	
Intercept	173.7		191.2	

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	1832.1	0.0	0.1	N/A
1950	1832.1	436.9	443.8	0.9844
4500	4228.0	189.3	202.3	0.9357
9000	8456.1	94.7	106.2	0.8914
zero	1879.1			As Found Zero
2000	1879.1	426.0		As Found Span
			Average Correction Factor	0.9372

Calculated value of As Found Response: NA

Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero	-4.4	ppm	-4.6	ppm
Auto span	181.6	ppm	201.4	ppm

Notes: New Chopper motor installed.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

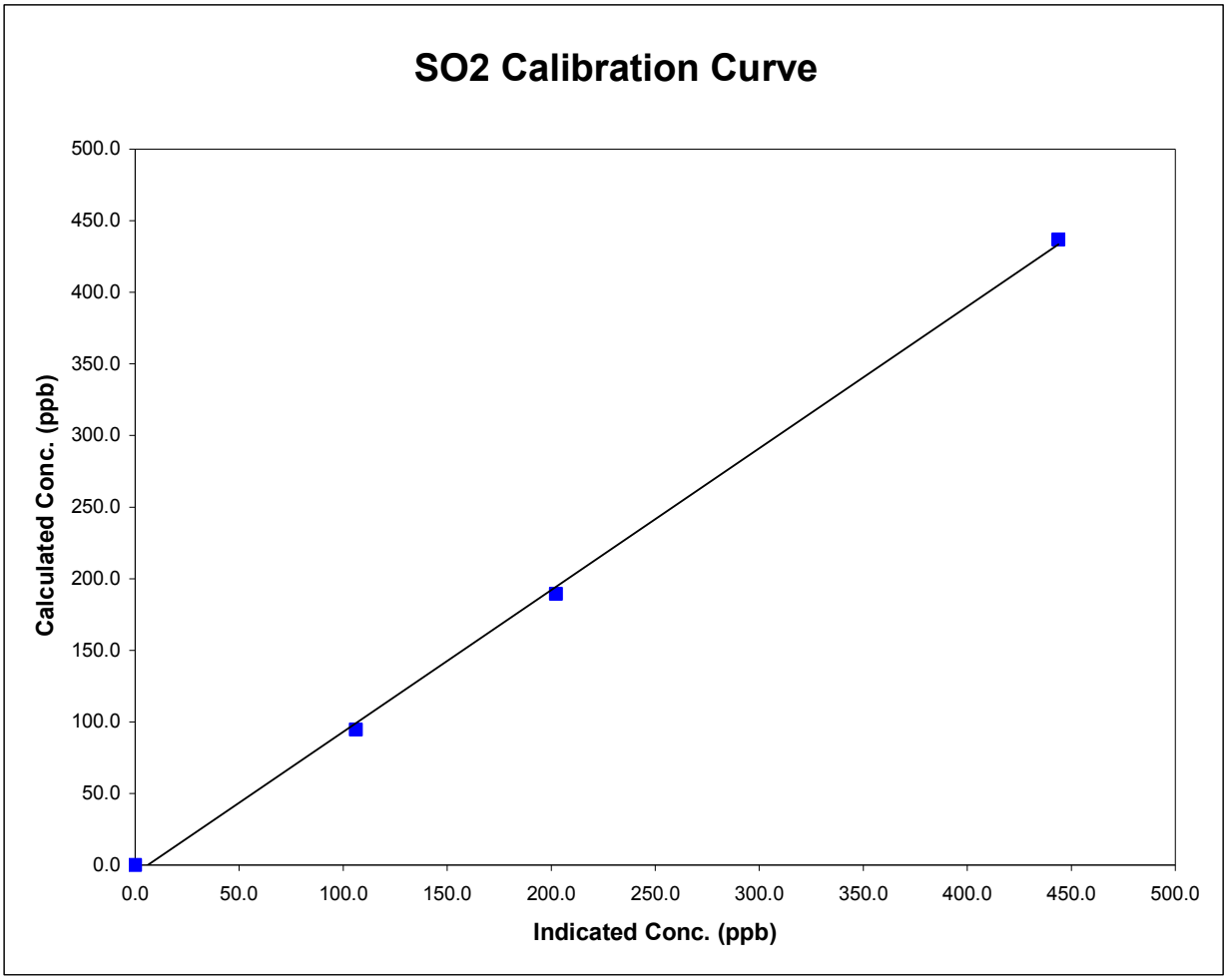
Air Monitoring Network **PASZA**

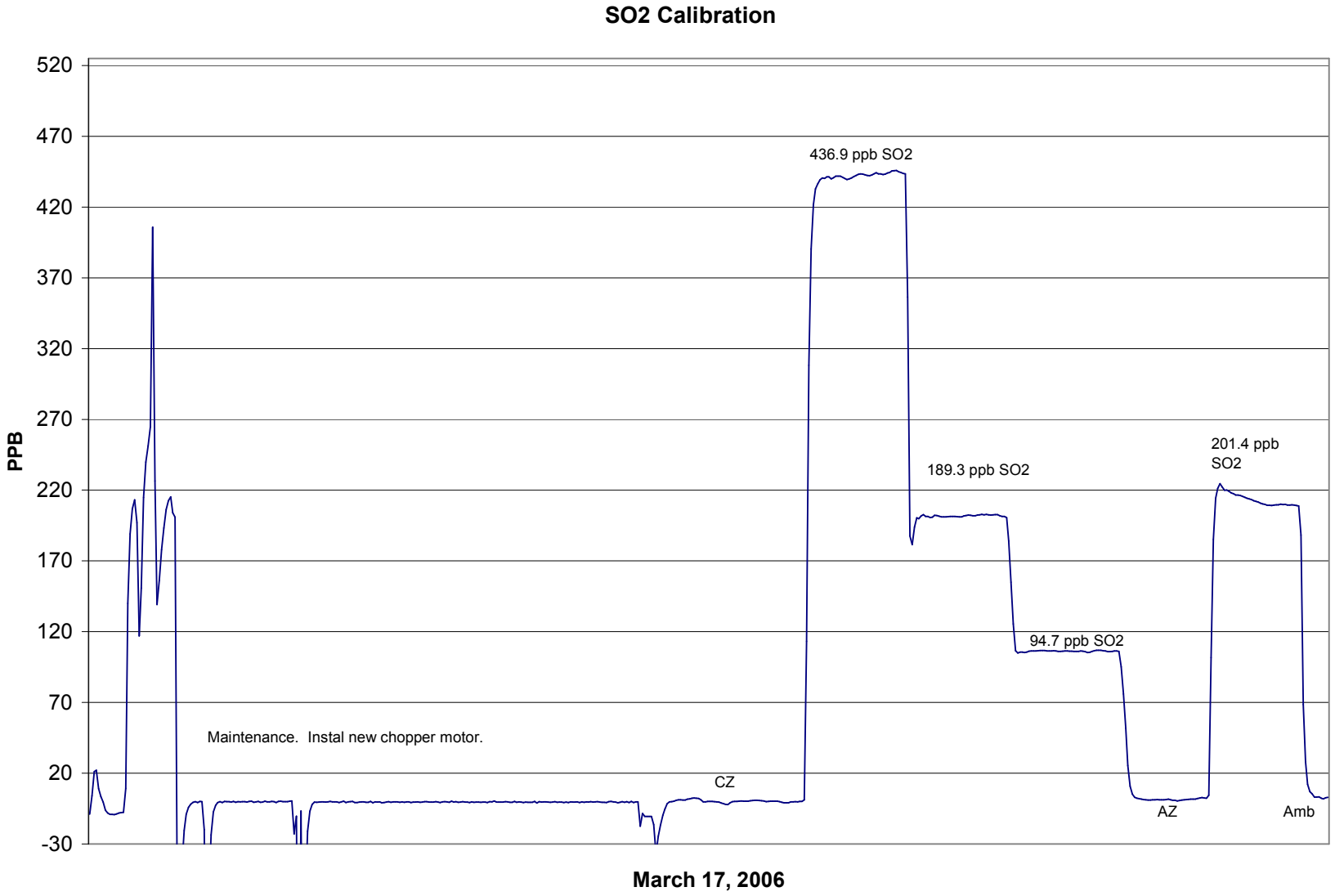
Station Information

Calibration Date	March 17, 2006	Previous Calibration	March 14, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	12:10	End Time (MST)	16:41
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		
436.9	443.8	0.9844	Correlation Coefficient	0.999129
189.3	202.3	0.9357		
94.7	106.2	0.8914	Slope	0.990689
			Intercept	-6.136535




SO2 Calibration
520
470
420
370
320
270
220
170
120
70
20
-30
PPB
436.9 ppb SO2
189.3 ppb SO2
201.4 ppb SO2
94.7 ppb SO2
Maintenance. Instal new chopper motor.
CZ
AZ
Amb
March 17, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 14, 2006	Previous Calibration	February 10, 2006
Station Number	2	Station Location	Evergreen Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:50	End Time (MST)	15:35
Barometric Pressure	27.61 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	0.938541	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	0.993665	Calculated slope	0.997767
Calculated intercept	0.299628	Calculated intercept	0.122434
Analyzer make	TEI Model 43C	Analyzer serial #	0436610005

	before		after	
Concentration range	100	ppb	100	ppb
Background	14.2	ppb	13.9	ppb
coefficient	1.26		1.217	
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	628.8	mm Hg
Sample Flow	470	ccm	465	ccm
Lamp Intesity	32,300	mv	31,500	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	1970.9	0.0	-0.1	N/A
2100	1970.9	66.0	66.0	0.9998
4000	3754.2	34.7	34.7	1.0002
9000	8446.9	15.4	15.3	1.0083
zero	1970.9	0.0	0.1	As Found Zero
2100	1970.9	66.0	66.8	As Found Span
			Average Correction Factor	1.0027

Calculated value of As Found Response: 66.64 ppm Percent Change of As Found: -0.9%

	before calibration		after calibration	
Auto zero	0.3	ppm	0.2	ppm
Auto span	59.9	ppm	82.2	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **TRS**

Air Monitoring Network **PASZA**

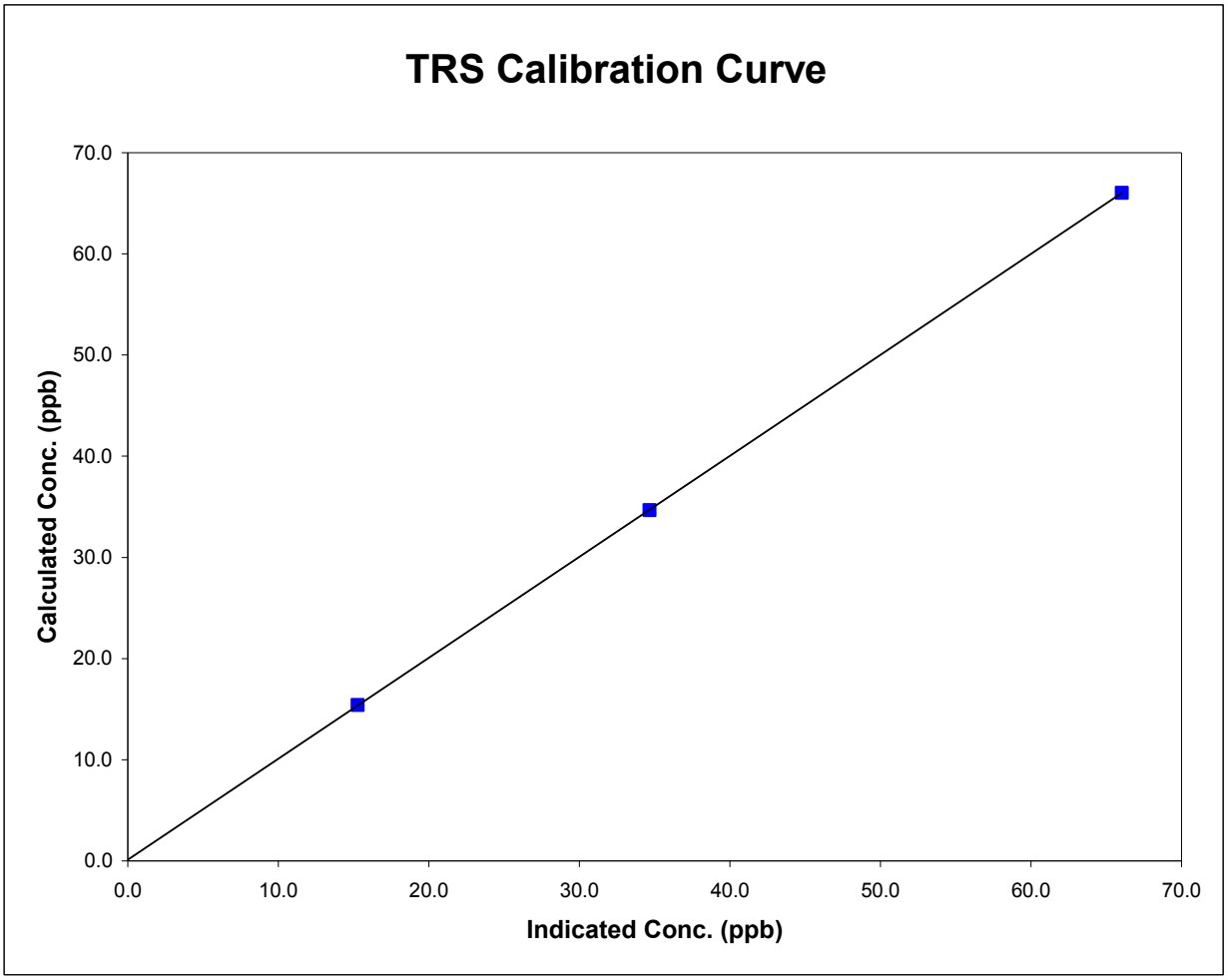
FOCUS AIR QUALITY MONITORING

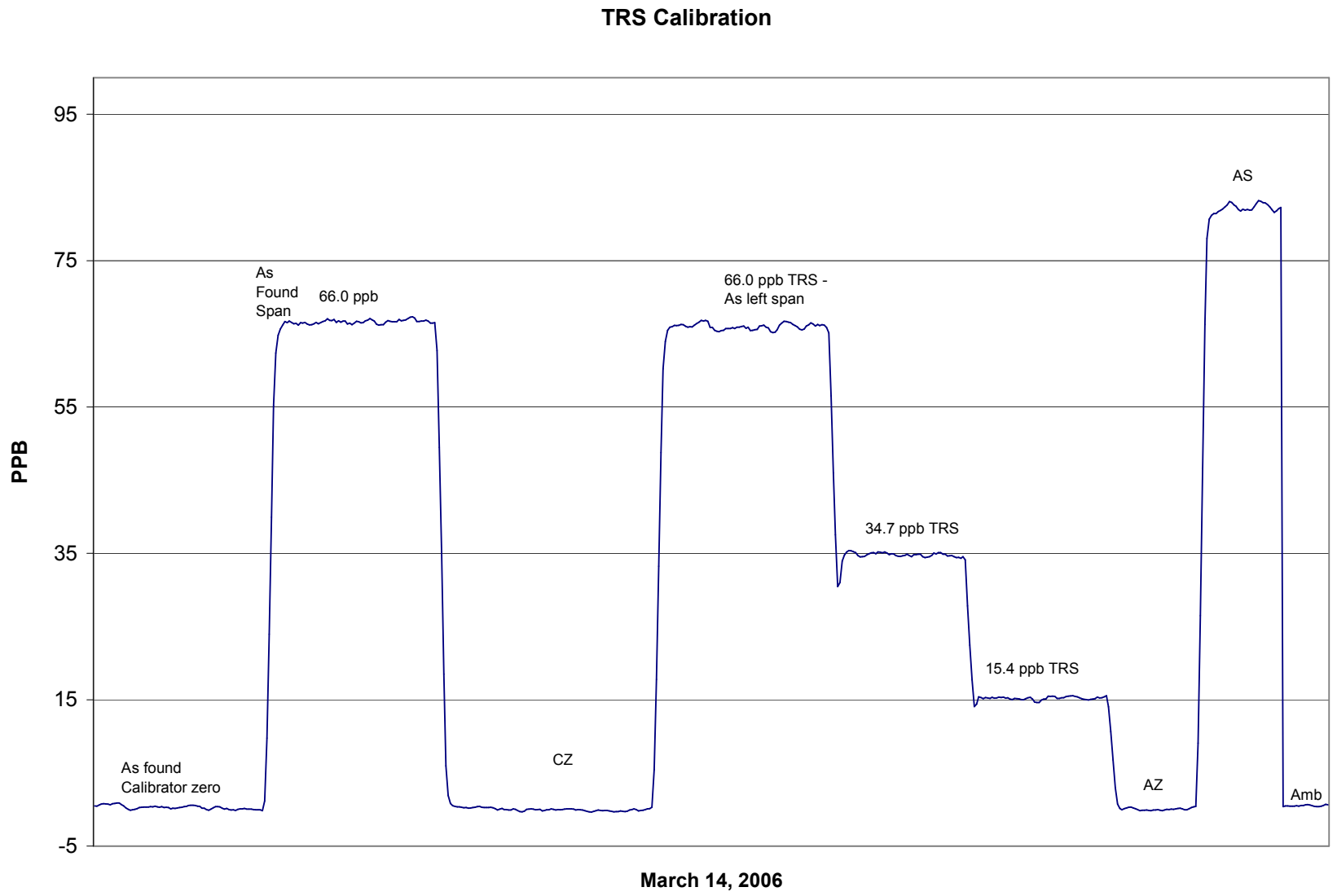
Station Information

Calibration Date	March 14, 2006	Previous Calibration	February 10, 2006
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	10:50	End Time (MST)	15:35
Analyzer make/model	TEI Model 43C	Analyzer serial #	0436610005

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
66.0	66.0	0.9998	Correlation Coefficient	0.999999
34.7	34.7	1.0002		
15.4	15.3	1.0083	Slope	0.997767
			Intercept	0.122434




TRS Calibration
95
75
55
35
15
-5
PPB
As found
Calibrator zero
As
Found
Span
66.0 ppb
CZ
66.0 ppb TRS -
As left span
34.7 ppb TRS
15.4 ppb TRS
AZ
AS
Amb
March 14, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 14, 2006	Previous Calibration	February 10, 2006
Station Number	2	Station Location	Evergreen Park

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

Start Time (MST)	12:10	End Time (MST)	16:30
Barometric Pressure	0.923 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	2.530	SLPM	3.000	SLPM
Aux Flow Set Point	13.66	SLPM	13.67	SLPM
Filter Load	45	%	15	%
Ko Factor	10124		10124	
Temperature	-17.7	Deg C	-17.7	Deg C
Pressure	0.927	ATM	0.927	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		-0.01
zero flow - auxillary	0.0	0.00		0.01
flow recovery - main	45 - 60 Seconds		45 - 60 Seconds	25
flow recovery - aux	46 - 60 Seconds		46 - 60 Seconds	40
Temperature	measured	-1.8	+/- 1.0 Deg C	-15.2
Pressure	measured	0.925	+/- 1.5% ΔATM	0.925
Total Flow	16.67 SLPM	17.30		16.05
Main Flow	13.67 SLPM	14.88	+/- 1.0 SLPM	13.67
Auxillary Flow	3.0 SLPM	2.930	+/- 0.2 SLPM	2.950
Leak Check - main	0.0	0.00	<0.15 SLPM	-0.01
Leak Check - aux	0.0	0.00	<0.15 SLPM	0.13
Ko Factor (w/o filter)	measured		filter weight (g)	0.11012
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: Rebuilt pump.
New filter

Calibration Performed By: Dawn Ewan

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 21, 2006	Previous Calibration	February 1, 2006
Station Number	3	Station Location	Smoky Heights

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

Start Time (MST)	9:47	End Time (MST)	14:53
Barometric Pressure	27.58 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	0.937522	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	0.997529	Calculated slope	1.010796
Calculated intercept	1.483714	Calculated intercept	3.035897

Analyzer make: API 102A Analyzer serial #: 212

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	553	ccm	563	ccm
UV Lamp Voltage	3840	mv	3500	mv
Lamp Ratio	105	%	99.5	%
Rx Cell Temp	49.6	Deg C	50	Deg C
PMT Temp	7	Deg C	7	Deg C
IZS Temp	45	Deg C	45	Deg C
Slope	0.855		1.049	
Intercept	26.2		25.9	

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	1856.3	0.0	0.3	N/A
1980	1856.3	431.2	425.3	1.0139
4056	3802.6	210.5	202.7	1.0384
9000	8437.7	94.9	88.4	1.0730
zero	1875.0	0.0	0.1	As Found Zero
2000	1875.0	426.9	367.4	As Found Span
			Average Correction Factor	1.0418

Calculated value of As Found Response: 367.930 ppm Percent Change of As Found: 13.8%

	before calibration		after calibration	
Auto zero	1.9	ppm	2.2	ppm
Auto span	159.5	ppm	241.4	ppm

Notes: Repeak lamp.

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **SO2**

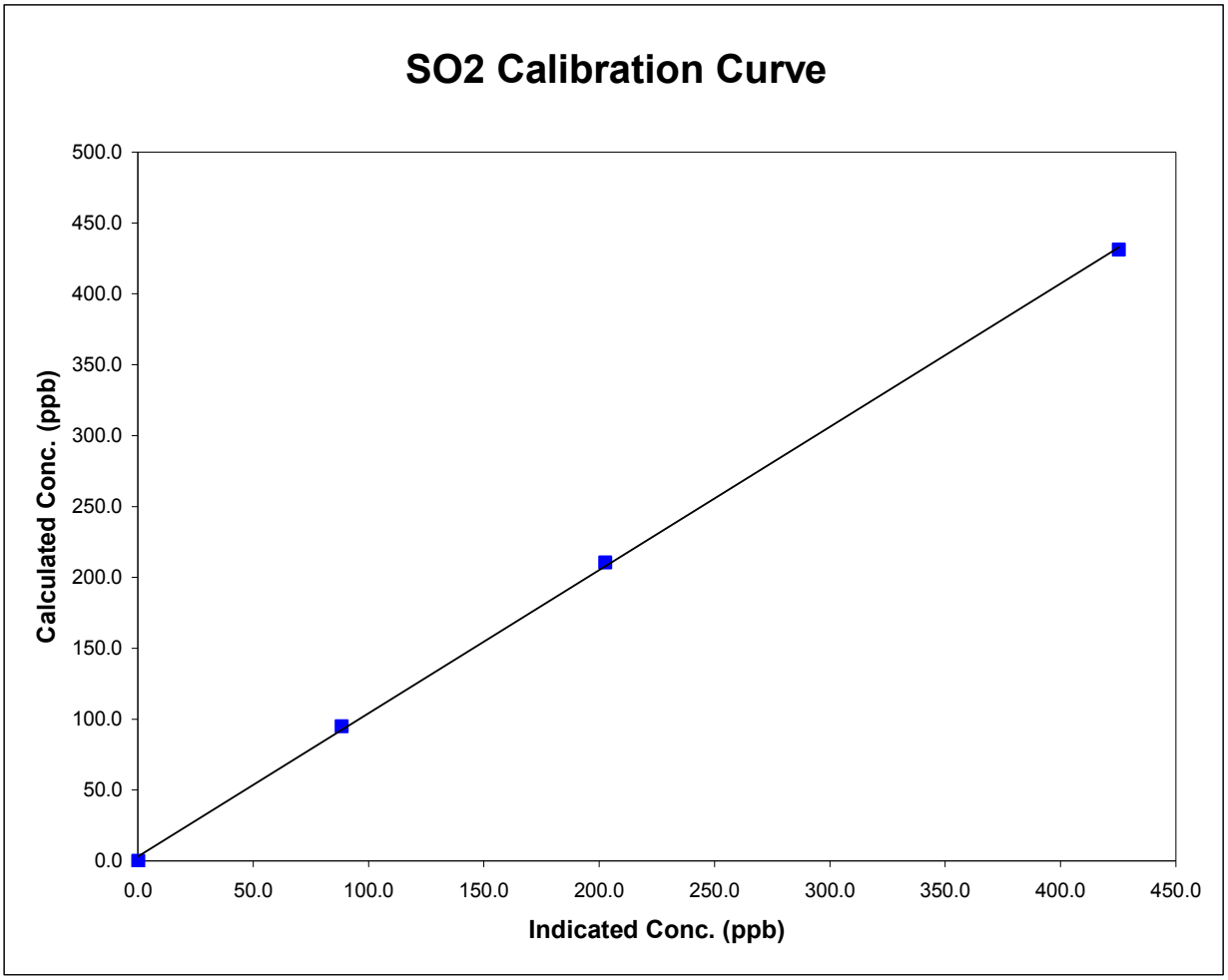
Air Monitoring Network **PASZA**

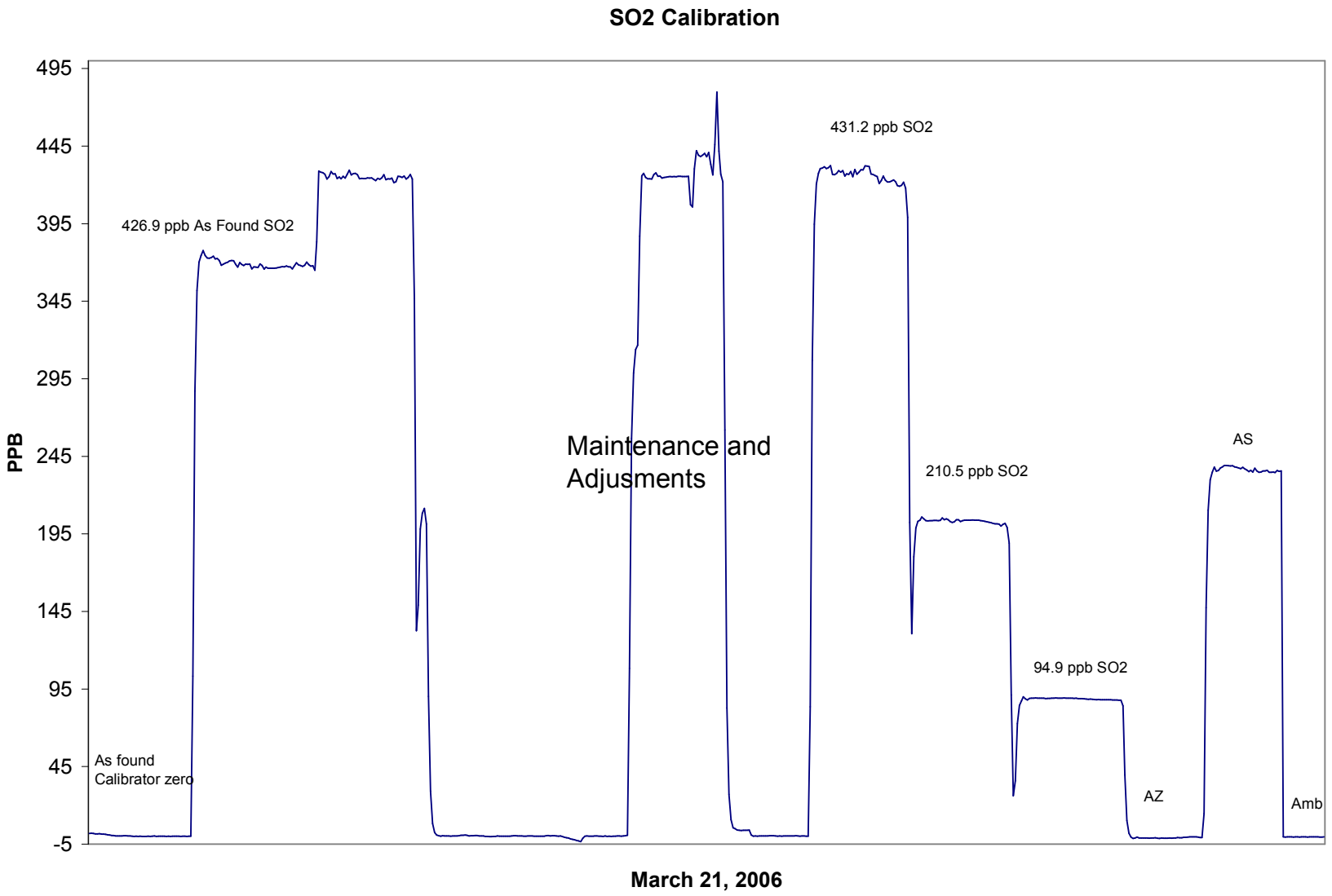
Station Information

Calibration Date	March 21, 2006	Previous Calibration	February 1, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	9:47	End Time (MST)	14:53
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	0.3	N/A		
431.2	425.3	1.0139	Correlation Coefficient	0.999745
210.5	202.7	1.0384		
94.9	88.4	1.0730	Slope	1.010796
			Intercept	3.035897




SO2 Calibration
495
445
395
345
295
245
195
145
95
45
-5
PPB
426.9 ppb As Found SO2
431.2 ppb SO2
Maintenance and
Adjusments
210.5 ppb SO2
AS
94.9 ppb SO2
As found
Calibrator zero
AZ
Amb
March 21, 2006

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 21, 2006	Previous Calibration	March 21, 2006
Station Number	3	Station Location	Smoky Heights
Reason:	Routine: ☒	Install: ☐	Removal: ☐	Other: ☐
Start Time (MST)	9:47	End Time (MST)	14:53
Barometric Pressure	27.58 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	0.937522	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	1.012216	Calculated slope	0.997491
Calculated intercept	-0.149412	Calculated intercept	0.096064
Analyzer make	TEI Model 43C	Analyzer serial #	436610004

	before		after	
Concentration range	100	ppb	100	ppb
Background	11	ppb	10.9	ppb
coefficient	1.199		1.148	
Lamp Voltage	784	volts	785	volts
Chamber Temp	44.1	Deg C	44.2	Deg C
Perm Gas Temp	45.12	Deg C	44.99	Deg C
Pressure	617.5	mm Hg	643	mm Hg
Sample Flow	462	ccm	472	ccm
Lamp Intesity	32,200	mv	32,100	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	1856.3	0.0	0.0	N/A
1980	1856.3	70.1	70.2	0.9985
4056	3802.6	34.2	34.2	1.0001
9100	8531.4	15.3	15.1	1.0124
zero	1875.0	0.0	0.4	As Found Zero
2000	1875.0	69.4	73.1	As Found Span
			Average Correction Factor	1.0037

Calculated value of As Found Response: 73.36 ppm Percent Change of As Found: -5.7%

	before calibration		after calibration	
Auto zero	-0.2	ppm	-0.1	ppm
Auto span	100.9	ppm	89.6	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **TRS**

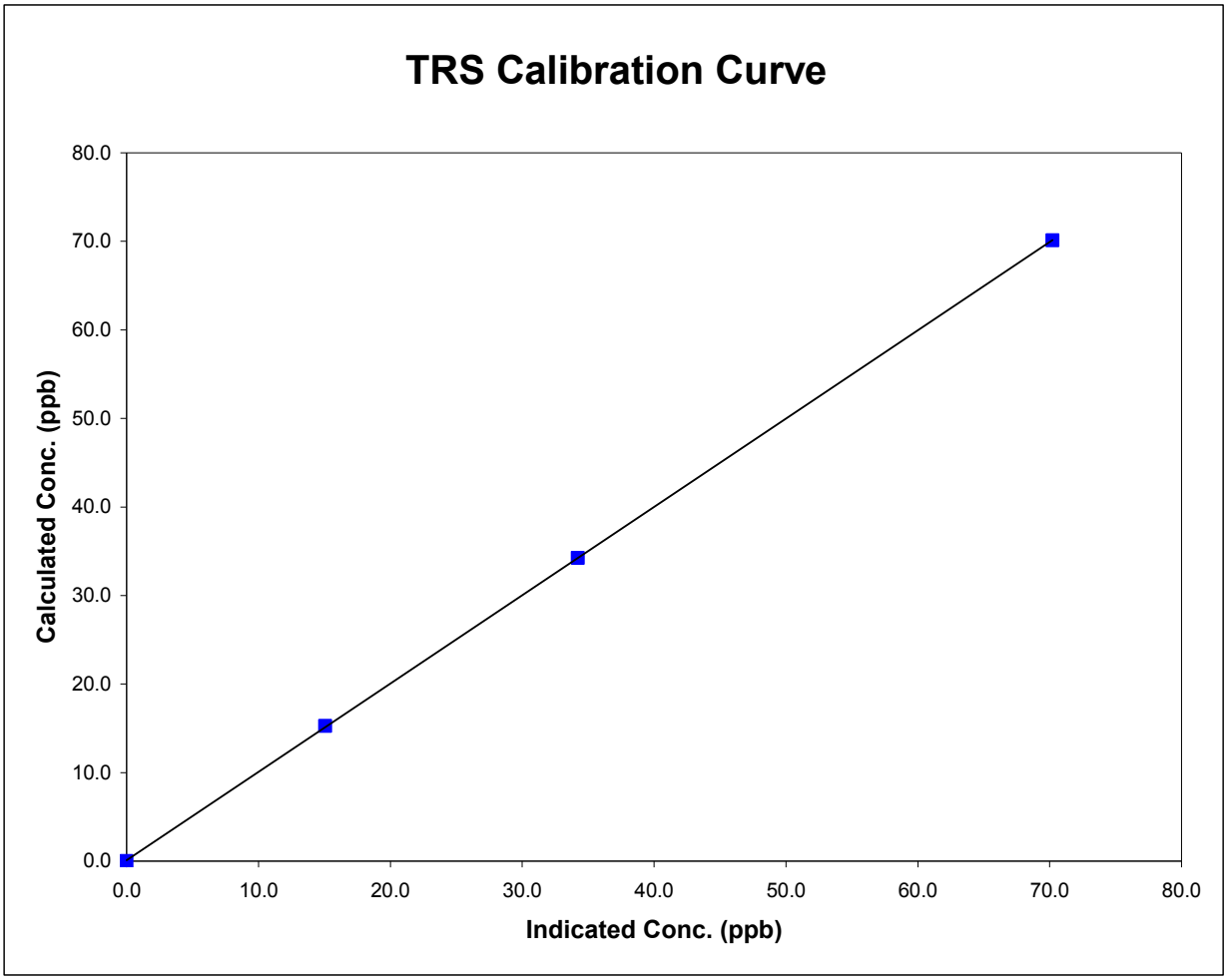
Air Monitoring Network **PASZA**

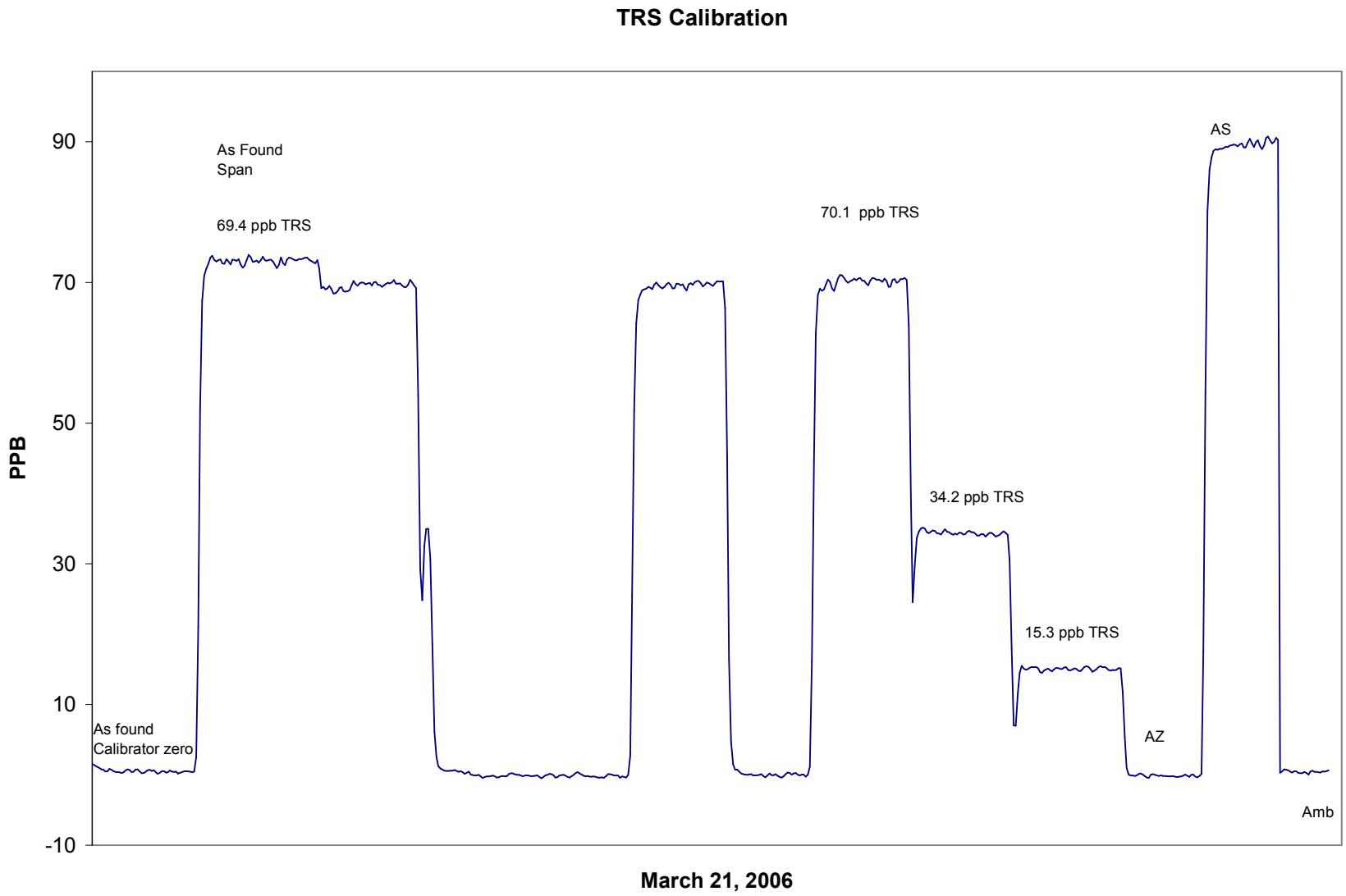
Station Information

Calibration Date	March 21, 2006	Previous Calibration	March 21, 2006
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	9:47	End Time (MST)	14:53
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	0.0	N/A		
70.1	70.2	0.9985	Correlation Coefficient	0.999990
34.2	34.2	1.0001		
15.3	15.1	1.0124	Slope	0.997491
			Intercept	0.096064




TRS Calibration
PPB
90
70
50
30
10
-10
As Found
Span
69.4 ppb TRS
70.1 ppb TRS
34.2 ppb TRS
15.3 ppb TRS
AS
AZ
As found
Calibrator zero
Amb
March 21, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 21, 2006	Previous Calibration	February 1, 2006
Station Number	3	Station Location	Smoky Heights

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

Start Time (MST)	12:57	End Time (MST)	14:00
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	13.65	SLPM	16.65	SLPM
Filter Load	46	%	17	%
Ko Factor	10997		10997	
Temperature	0	Deg C	0	Deg C
Pressure	0.928	ATM	0.0928	ATM
Main Fadj	0.948		0.948	
Aux Fadj	0.880		0.880	

Calibration Data

Parameter	Set Point	As Found	Tolerance	New Reading
zero flow - main	0.0	0.02		0.02
zero flow - auxillary	0.0	-0.02		-0.02
flow recovery - main	45 - 60 Seconds	27	45 - 60 Seconds	27
flow recovery - aux	46 - 60 Seconds	50	46 - 60 Seconds	50
Temperature	measured	-0.1	+/- 1.0 Deg C	-0.1
Pressure	measured	0.922	+/- 1.5% Δ_{ATM}	0.922
Total Flow	16.67 SLPM	15.77		15.77
Main Flow	13.67 SLPM	13.08	+/- 1.0 SLPM	13.08
Auxillary Flow	3.0 SLPM	2.910	+/- 0.2 SLPM	2.910
Leak Check - main	0.0	0.11	<0.15 SLPM	0.11
Leak Check - aux	0.0	0.08	<0.15 SLPM	0.08
Ko Factor (w/o filter)	measured		filter weight (g)	0.11014
Ko Factor (w/ filter)	measured		% Ko difference	1.08%

Notes: No adjustments made.
New filter installed.

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter **SO_2**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 8, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	12:00	End Time (MST)	14:30
Barometric Pressure	0.891 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2977
Cal Gas Make	Scott	Cal Gas Expiry Date	December 12, 2005
Cal Gas Conc.	10.3 ppm	Cal Gas Cylinder #	BLM002816
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3

Before		After	
Calculated slope	0.980879	Calculated slope	0.994638
Calculated intercept	0.282112	Calculated intercept	0.406075

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

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.3	ppb	2.39	ppb
Coefficient	0.828		0.828	
Lamp Voltage	907.0	Volts	906.0	Volts
Chamber Temp	43.7	Deg C	43.8	Deg C
Sample Flow	626	ccm	602	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)
4992	0.00	0.00	-0.09	N/A
4992	39.92	81.71	81.95	0.9972
4992	19.93	40.96	40.48	1.0119
4992	9.95	20.49	19.97	1.0262
4992	0.00	0.00	-0.09	As Found Zero
4992	39.92	81.71	81.95	As Found Span
			Average Correction Factor	1.0117

Calculated value of As Found Response: 80.750 ppm Percent Change of As Found: 1.2%

	before calibration		after calibration	
Auto zero	0.22	ppm	0.34	ppm
Auto span	27.28	ppm	29.32	ppm

Notes: Adjusted span
New pump.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **SO2**

Air Monitoring Network **PASZA**

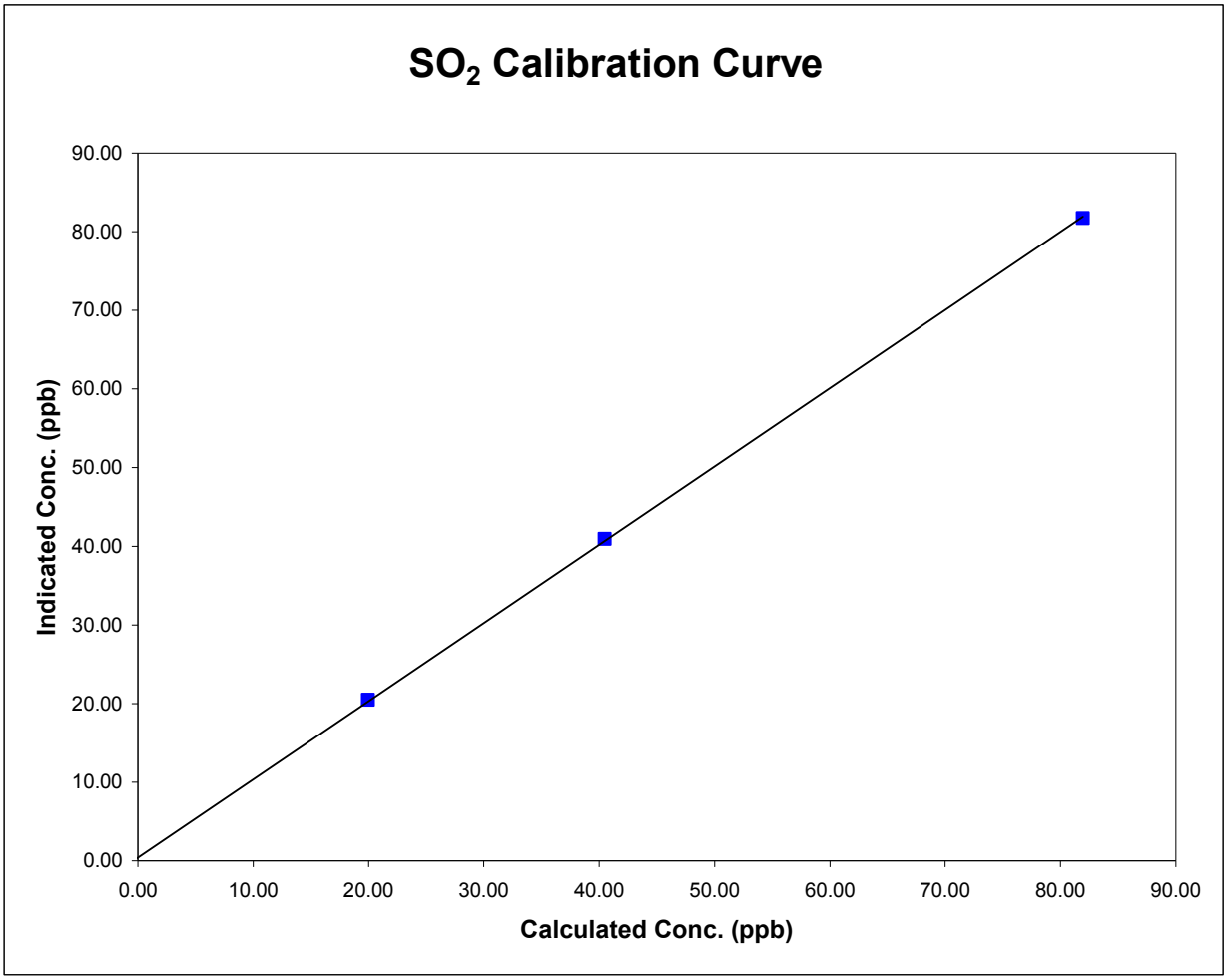
FOCUS AIR QUALITY MONITORING

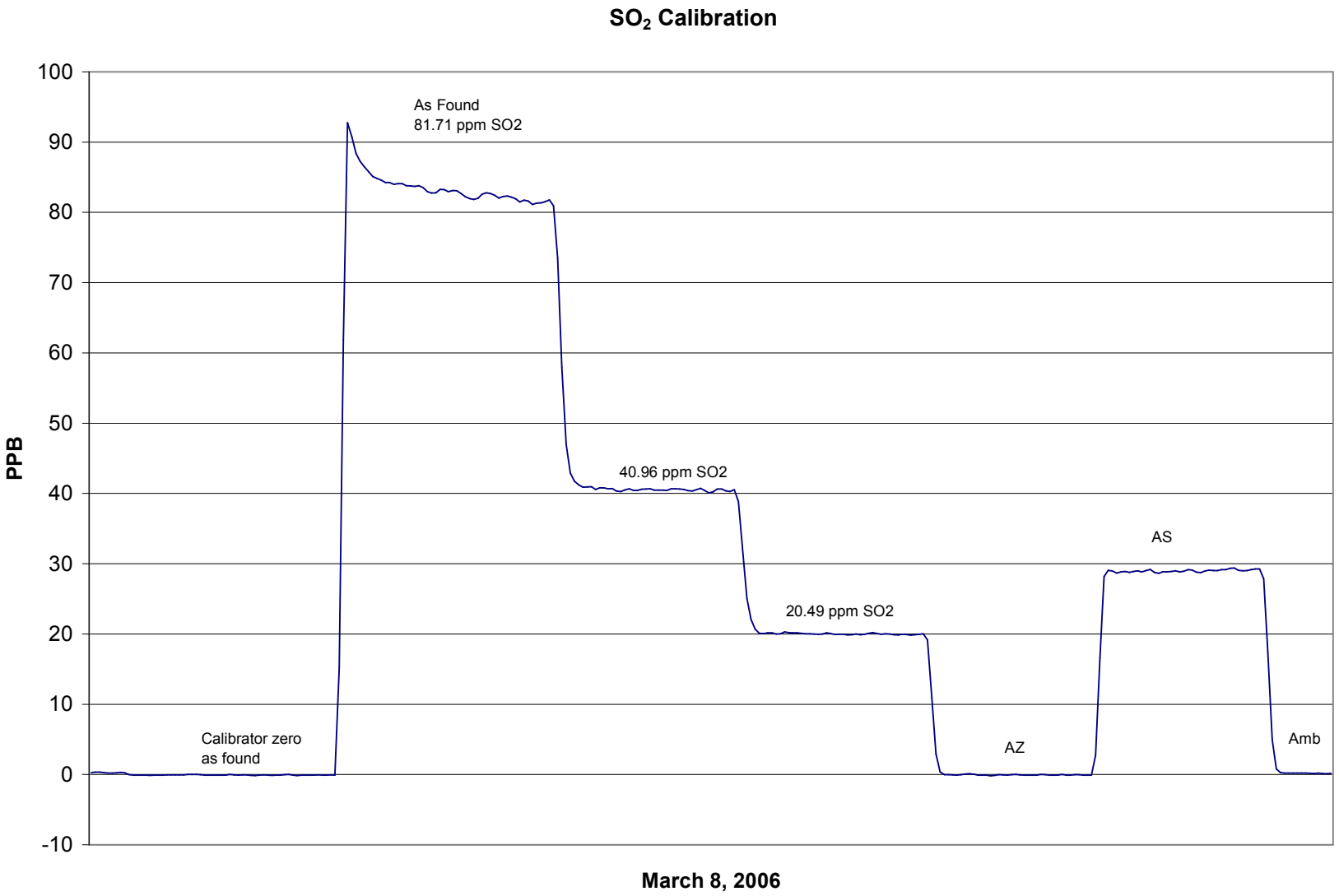
Station Information

Calibration Date	March 8, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:00	End Time (MST)	14:30
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	-0.090	N/A		
81.714	81.946	0.9972	Correlation Coefficient	0.999925
40.958	40.476	1.0119		
20.489	19.967	1.0262	Slope	0.994638
			Intercept	0.406075




SO2 Calibration
100
90
80
70
60
50
40
30
20
10
0
-10
PPB
As Found
81.71 ppm SO2
40.96 ppm SO2
20.49 ppm SO2
AS
AZ
Amb
Calibrator zero
as found
March 8, 2006

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 7, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	AG Canada Research Station

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	11:20		End Time (MST)	16:10	
Barometric Pressure	0.903	Atm	Station Temperature	20.0	Deg C
Calibrator	Environics 6103		Serial Number	2977	
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	0.990542	0.993818	0.995064
	Data Offset	-0.721502	5.559349	7.197649
After	Data Slope	1.018206	1.000817	0.999771
	Data Offset	-2.061054	1.920631	1.920965
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	7.2	ppb	1.2	mV
NOx background	7.0	ppb	1.6	mV
NO coefficient	0.964		0.965	
NOx coefficient	0.976		0.982	
Box Temp	33.0	ccm	35.6	ccm
Chamber Temp	49.5	Deg C	49.4	Deg C
Cooler Temp	-2.0	Deg C	-2.2	Deg C
Converter Temp	323.0	Deg C	324.0	Deg C
Sample Flow	855.0	LPM	847.0	LPM
Ozonator Flow		LPM	0.087	LPM
Pressure	163.5	inches HG	161.2	inches Hg

Notes:

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: March 7, 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	-0.3	-0.3	-0.3	N/A	N/A
1	4992	79.92	795.7	792.6	3.2	793.9	791.5	1.4	1.0023	1.0013
2	4992	39.98	401.2	399.6	1.6	398.4	397.3	0.7	1.0071	1.0058
3	4992	20.00	201.5	200.7	0.8	197.7	197.1	0.1	1.0195	1.0185
AFZ	4992	0.00	0.0	0.0	0.0	-5.5	-6.4	0.6	0.0000	0.0000
AFS	4992	79.92	795.7	792.6	3.2	791.3	793.5	-3.1	1.0056	0.9988
							Average Correction Factor		1.0096	1.0086

As Found Concentrations: NO_X= 802.3 NO= 807.1 As Found Percent Change NO_X= 0.8% NO= 1.8%

GPT Calibration Data

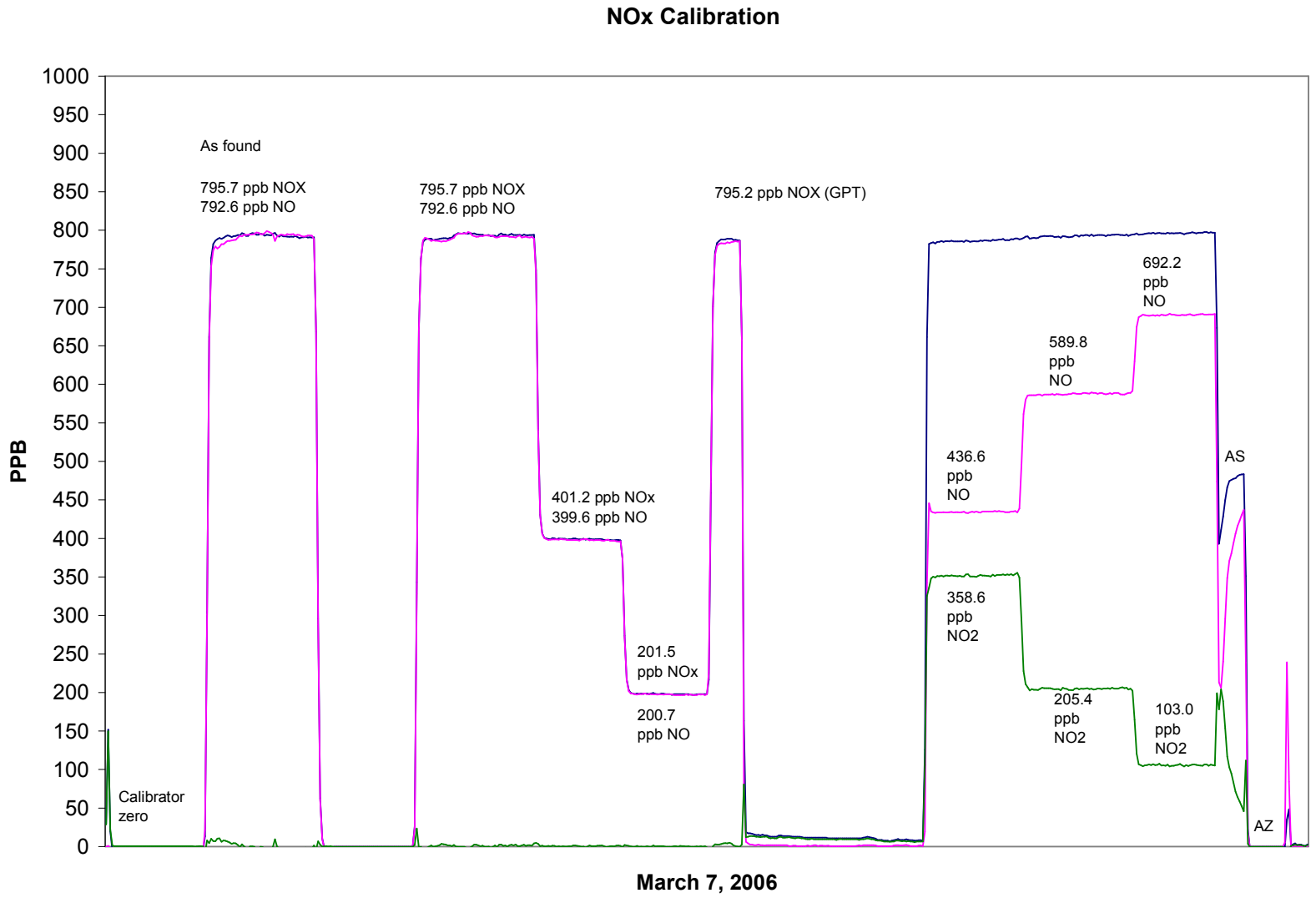
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

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	795.2	785.9	9.3	787.8	784.2	2.7	1.0094	1.0022	N/A	N/A
350	795.2	436.6	358.6	787.6	434.8	352.6	1.0097	1.0042	1.0171	98.3%
200	795.2	589.8	205.4	793.7	588.0	205.3	1.0019	1.0030	1.0006	99.9%
100	795.2	692.2	103.0	796.6	690.5	105.6	0.9982	1.0026	0.9748	102.6%
					Average Correction Factor		1.0033	1.0033	0.9975	100.3%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.6	-0.1	1.9	ppb	1.6	-2.4	1.6	ppb
Auto span	471.3	16.8	455.2	ppb	468.2	102.8	364.2	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
795.7 ppb NOX
792.6 ppb NO
795.7 ppb NOX
792.6 ppb NO
795.2 ppb NOX (GPT)
401.2 ppb NOx
399.6 ppb NO
201.5
ppb NOx
200.7
ppb NO
436.6
ppb
NO
589.8
ppb
NO
692.2
ppb
NO
AS
358.6
ppb
NO2
205.4
ppb
NO2
103.0
ppb
NO2
Calibrator
zero
AZ
March 7, 2006

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

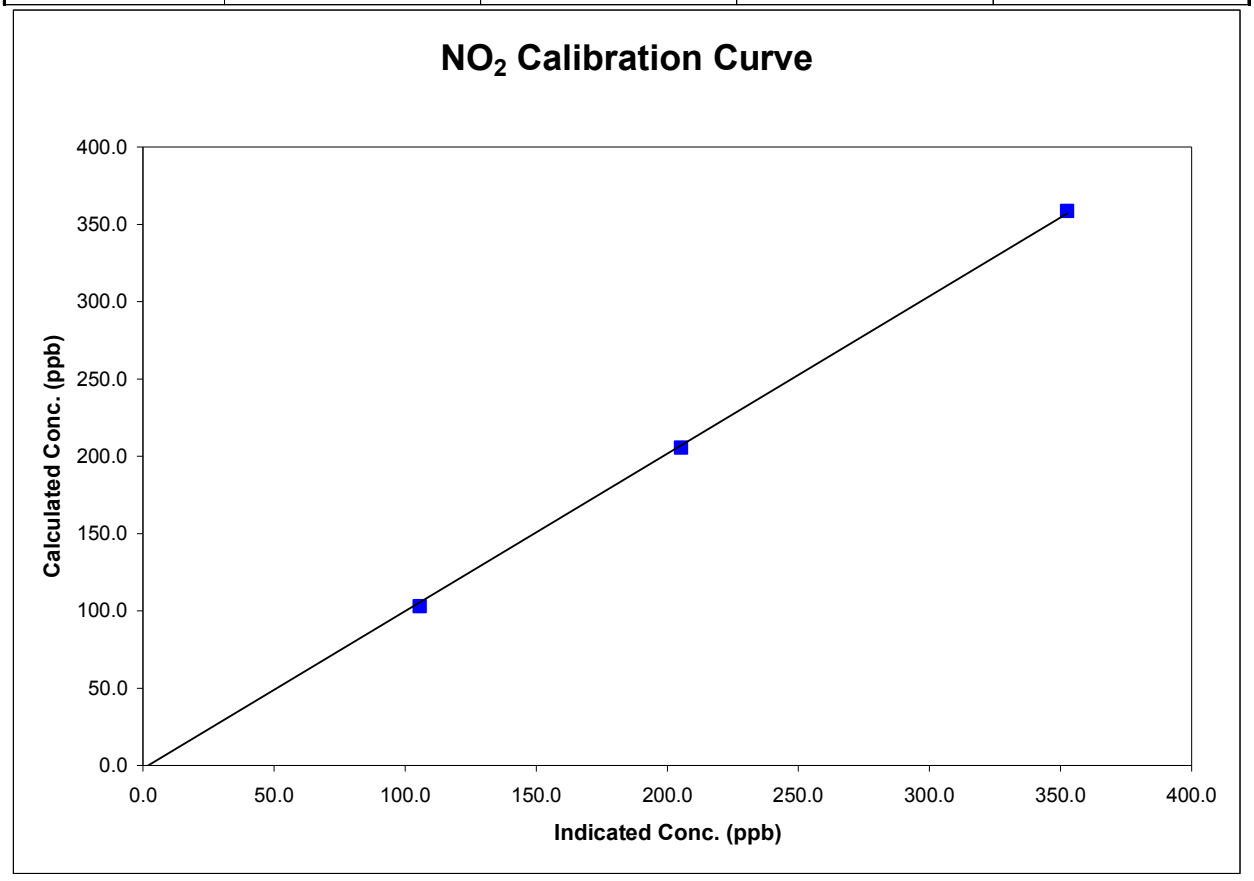
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 7, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:20	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	0.0000		
358.6	352.6	1.0171	Correlation Coefficient	0.999752
205.4	205.3	1.0006		
103.0	105.6	0.9748	Slope	1.018206
			Intercept	-2.061054



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

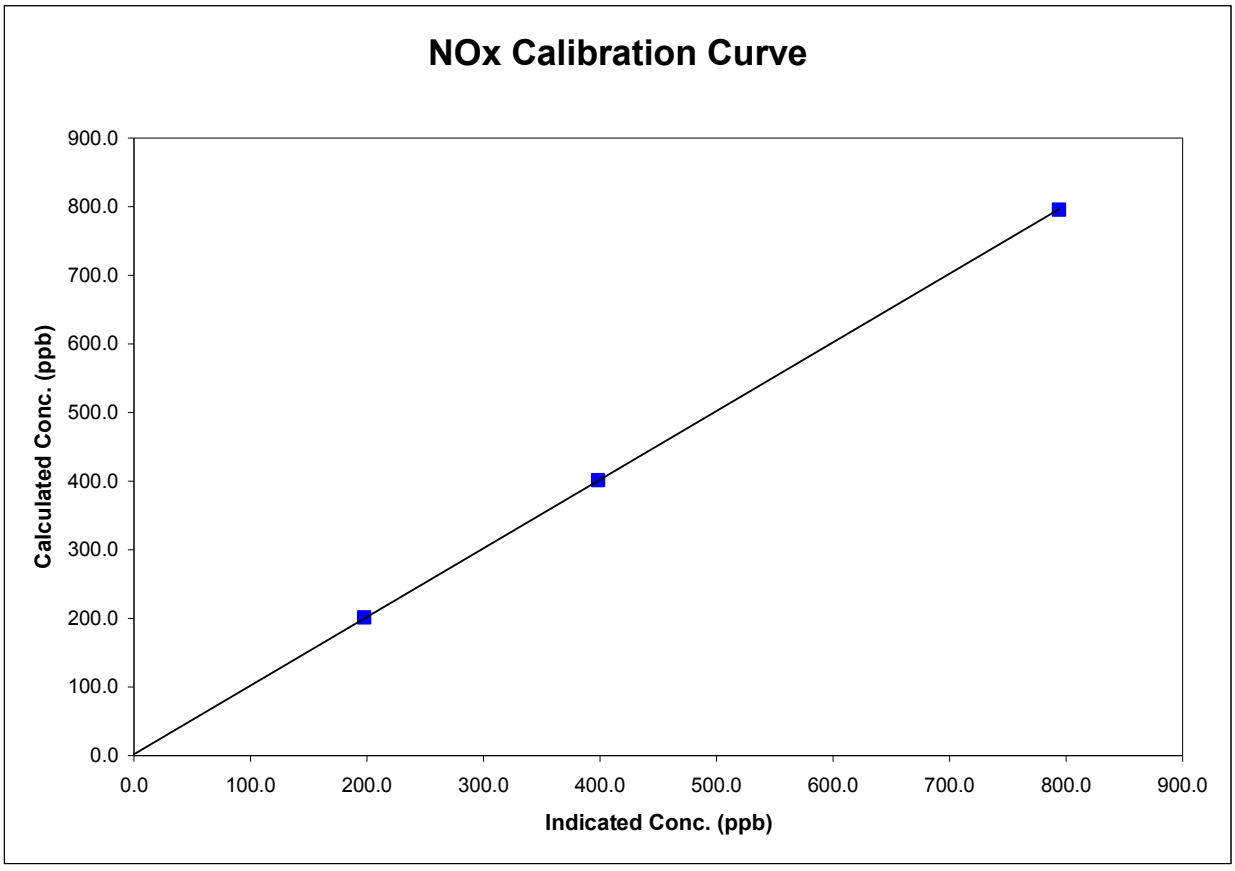
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 7, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:20	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	0.0000		
795.7	793.9	1.0023	Correlation Coefficient	0.999981
401.2	398.4	1.0071		
201.5	197.7	1.0195	Slope	1.000817
			Intercept	1.920631



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

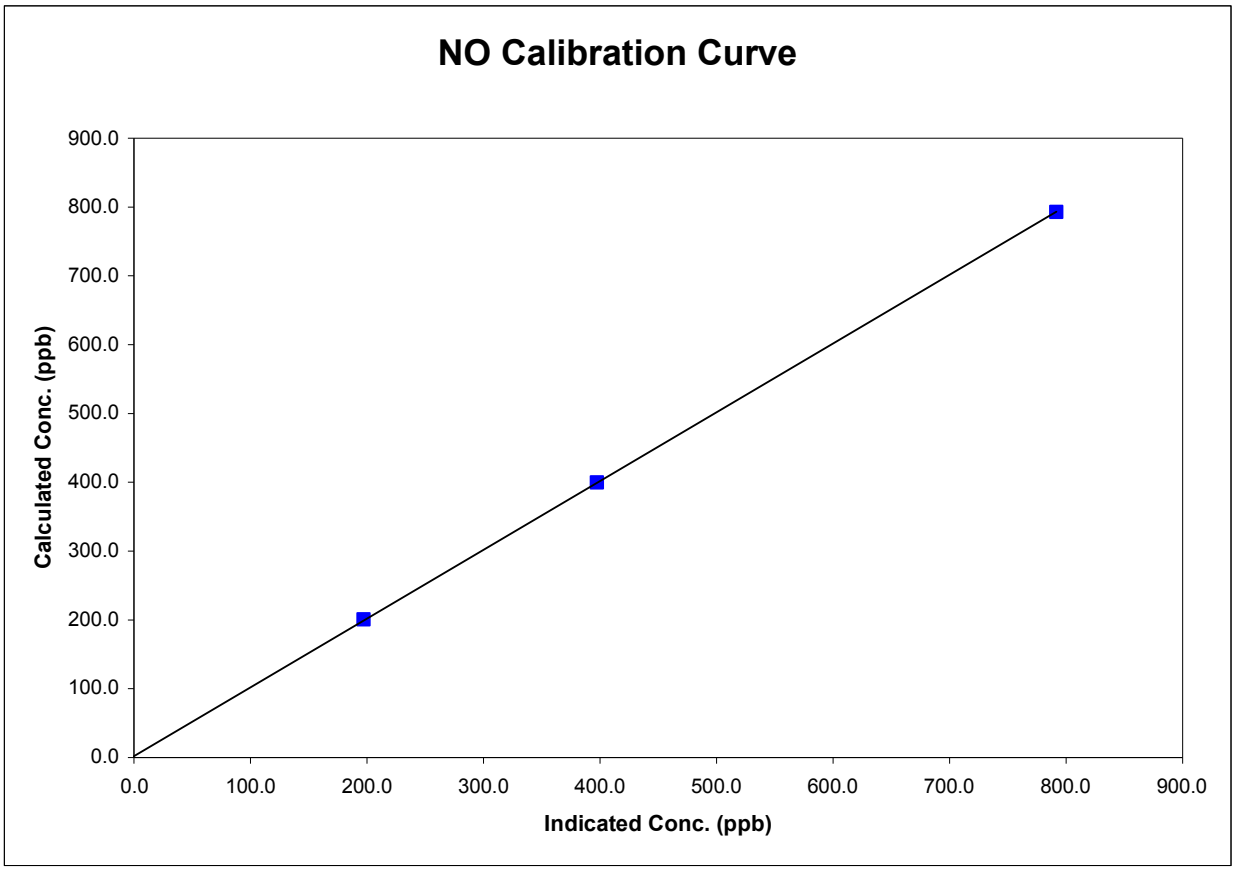
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	March 7, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	11:20	End Time (MST)	16:10
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	N/A		
792.6	791.5	1.0013	Correlation Coefficient	0.999982
399.6	397.3	1.0058		
200.7	197.1	1.0185	Slope	0.999771
			Intercept	1.920965



Calibration Report

Parameter **O3**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 8, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	15:30	End Time (MST)	12:45
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	1.007088	Calculated slope	0.995402
Calculated intercept	0.123297	Calculated intercept	-0.062682
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	0.99		1.057	
Lamp temp	71	mV	70.9	mV
Lamp Intensity A/B	88400/87000	mV	88200/86600	mV
Pressure	693.7	inches Hg	668.7	inches Hg
Flow A	760	ccm	743	ccm
Flow B	713	Deg C	698	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	-0.3	N/A
4992	0.00	358.6	360.2	0.9957
4992	0.00	205.4	206.6	0.9945
4992	0.00	103.0	103.9	0.9912
4992	0.00	0.0	-0.3	As found zero
4992	0.00	358.6	331.2	As found span
			Average Correction Factor	0.9938

Calculated value of As Found Response: 333.9 ppm Percent Change of As Found: -6.9%

	before calibration		after calibration	
Auto zero	0.1	ppb	-0.5	ppb
Auto span	106.5	ppb	114.0	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

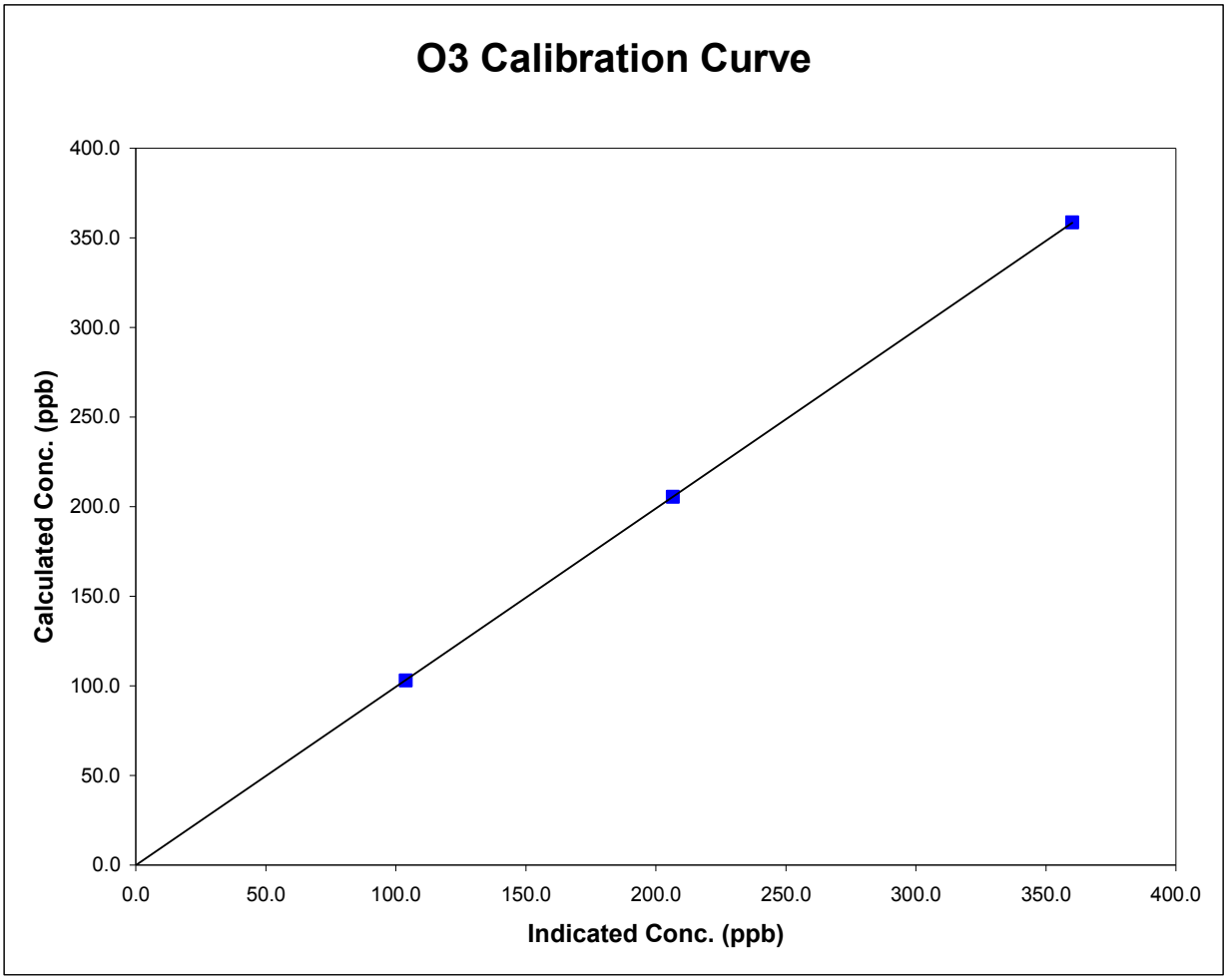
FOCUS AIR QUALITY MONITORING

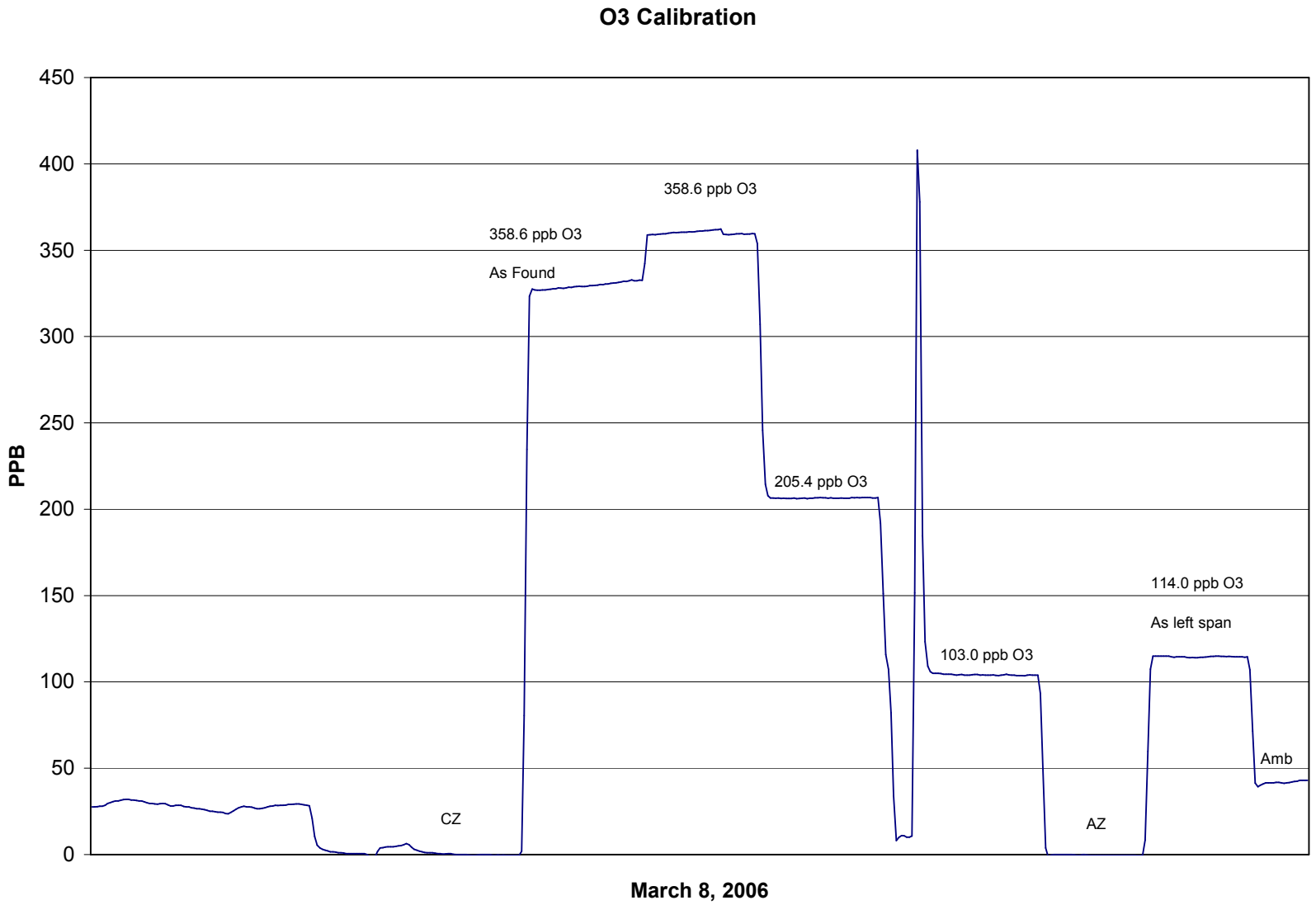
Station Information

Calibration Date	March 8, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	15:30	End Time (MST)	12:45
Analyzer make/model	Teco 49C	Analyzer serial #	49C-76443-383

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	NA		
358.6	360.2	0.9957	Correlation Coefficient	0.999996
205.4	206.6	0.9945		
103.0	103.9	0.9912	Slope	0.995402
			Intercept	-0.062682




O3 Calibration
450
400
350
300
250
200
150
100
50
0
PPB
358.6 ppb O3
358.6 ppb O3
As Found
205.4 ppb O3
114.0 ppb O3
As left span
103.0 ppb O3
Amb
CZ
AZ
March 8, 2006

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	March 7, 2006	Previous Calibration	February 14, 2006
Station Number	4	Station Location	Beaverlodge

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

Start Time (MST)	15:00	End Time (MST)	16:30
Barometric Pressure	0.903 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	34	%	34	%
Ko Factor	14287		14287	
Temperature	6.3	Deg C	6.3	Deg C
Pressure	0.904	ATM	0.904	ATM

Calibration Data

Parameter	Set Point	Teom Reading (As Found)	Tolerance	Teom Reading (After Adjustments)
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	45
flow recovery - aux	46 - 60 Seconds	na	46 - 60 Seconds	45
Temperature	measured	6.6	+/- 1.0 Deg C	6.6
Pressure	measured	0.904	+/- 1.5% Δ_{ATM}	0.904
Total Flow	16.67 SLPM	15.30		
Auxillary Flow	13.67 SLPM	13.00	+/- 1.0 SLPM	13.67
Main Flow	3.0 SLPM	2.950	+/- 0.2 SLPM	3.000
Leak Check - main	0.0	-0.04	<0.15 SLPM	-0.04
Leak Check - aux	0.0	0.09	<0.15 SLPM	0.09
Ko Factor (w/o filter)	measured		filter weight (g)	
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: Auxillary flow adjustment.

Calibration Performed By: Dawn Ewan