PEACE AIRSHED ZONE ASSOCIATION

Air Quality Monitoring Network

February 2005

Prepared by

FOCUS
AMBIENT AIR MONITORING

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Alberta Environment
Enforcement and Monitoring Division
11th Floor, Oxbridge Place
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Re: Peace Airshed Zone Association – February PASZA Ambient Air Report

Enclosed is PASZA Ambient Monitoring Network Report for the month of **February 2005**.

Continuous Monitoring – Henry Pirker Station (Grande Prairie), Evergreen Park (new)

Included in this report is a summary of the, monthly continuous sampling, 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 with no exceedences recorded.

During the month of February PASZA began collecting continuous data from the Evergreen Park Station located just south of the City of Grand Prairie near Evergreen Park. Startup problems at the Evergreen Park site forced the data collection well below 90% for the month. All problems were rectified during the month of February. See the "Continuous Monitoring" page for further explanation of the problems encountered and the solutions put in place.

Passive Monitoring – 43 Stations throughout the PASZA zone:

There were two missing passives during the month of February. A summary of the passives are reported as follows.

- Monthly average concentrations for SO_2 passives ranged from 0.2 ppb to 1.4 ppb.
- Monthly average concentrations for NO_2 passives ranged from 0.6 ppb to 17.2 ppb.
- Monthly average concentrations for O_3 passives ranged from 26.3 ppb to 54.4 ppb.

If you have any questions, please contact the Focus office at 1-888-869-2252 or 1-888-466-6555.

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

February 2005 Monthly Overall Summary Report

Ambient Air Quality Data

Feb-2005	Peace Airshed Zone Association						Maximum Recorded Values						
							1-hr				24-hr		
Pollutant (units)	**Guidelines** 1-hr	**Guidelines** 24-hr	**Station**	**Monthly Average**	**Exceedence** 1-hr	**Exceedence** 24-hr	Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	**Operational Time (%)**
SO_2 (**ppb**)	172	57	Henry Pirker	0.8	0	0	6.0	Feb-27	5.7	NW	1.8	Feb-27	99.9%
NO (**ppb**)			Henry Pirker	20.5	0	0	286.8	Feb-24	3.9	NNW	86.6	Feb-07	99.9%
NO_2 (**ppb**)	212	106	Henry Pirker	22.2	0	0	77.9	Feb-24	5.4	NNE	40.9	Feb-24	99.9%
NO_X (**ppb**)			Henry Pirker	42.5	0	0	357.9	Feb-24	3.9	NNW	123.9	Feb-07	99.9%
O_3 (**ppb**)	82		Henry Pirker	17.6	0	0	42.8	Feb-01	26.1	SW	31.6	Feb-01	99.9%
CO (**ppm**)	13		Henry Pirker	0.38	0	0	4.45	Feb-11	4.1	E	0.99	Feb-11	99.9%
THC (**ppm**)			Henry Pirker	2.36	0	0	3.93	Feb-24	3.9	NNW	3.13	Feb-07	99.9%
TRS (**ppb**)			Henry Pirker	0.4	0	0	2.7	Feb-24	3.9	NNW	1.0	Feb-07	99.7%
$PM_{2.5}$ (**µg/m^3**)		30 [a]	Henry Pirker	5.4	0	0	51.8	Feb-07	4.4	WSW	18.1	Feb-07	99.6%
RH (**%**)			Henry Pirker	66.8									99.9%
SR (**W/m^2**)			Henry Pirker	72.1									99.9%
Temp (**^{o}C**)			Henry Pirker	-5.9									99.9%
WSPD v (km/hr)			Henry Pirker	4.9									99.9%
WSPD s (km/hr)			Henry Pirker	8.1									99.9%
WDIR (Deg)			Henry Pirker	WNW*									99.9%

Note: [a] the 24-hr Canada Wide Standard level is considered as an absolute value

* Wind Direction is the predominate direction for the Month

February 2005 Monthly Overall Summary Report

Ambient Air Quality Data

Feb-2005	Peace Airshed Zone Association						Maximum Recorded Values						
							1-hr				24-hr		
Pollutant	**Guidelines**		**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	Evergreen Park	2.7	0	0	9.8	Feb-24	7.3	NNE	3.0	Feb-25	15.8%
TRS (**ppb**)			Evergreen Park	0.7	0	0	1.5	Feb-28	4.0	W	0.8	Feb-28	15.8%
$PM_{2.5}$ (**µg/m^3**)		30 [a]	Evergreen Park	6.8	0	0	17.8	Feb-28	4.0	W	8.7	Feb-27	15.8%
Temp (**°C**)			Evergreen Park	-4.3									46.7%
WSPD v (km/hr)			Evergreen Park	3.2									46.7%
WSPD s (km/hr)			Evergreen Park	5.0									46.7%
WDIR (Deg)			Evergreen Park	WNW*									46.7%

Note: [a] the 24-hr Canada Wide Standard level is considered as an absolute value

* Wind Direction is the predominate direction for the Month

Continuous Monitoring

Ambient Air Monitoring Network

Henry Pirker Station

General Station Issues

One hour of data was lost during a DACS upgrade on February 23, 2005.

Parameter	Make	Model	Notes
SO_2	TECO	43	No operational problems observed
$NOx/NO/NO_2$	TECO	42	No operational problems observed
O_3	API	400	No operational problems observed
CO	TECO	48	No operational problems observed
THC	TEI	51-CLT	No operational problems observed
TRS	TEI	42C	No operational problems observed
$PM_{2.5}$	R&P	1400AB	2-hrs of data was lost due to excessive drift
RH	Met One	083D	No operational problems observed
AT	Met One	083D	No operational problems observed
SR	Met One	096-1	No operational problems observed
WS	Met One	010C	No operational problems observed
WD	Met One	020C	No operational problems observed

Continuous Monitoring

Ambient Air Monitoring Network

Evergreen Park Station

General Station Issues

The station was commissioned in early February, however, due to possible power problems data files stored on internal system memory were lost or corrupted until the station was visited again on February 23. Data is not available until Feb 23 for the pollutant parameters; TRS, SO2 & PM2.5 due to corrupt data files in the data system as well as no data available on internal analyzer memory. Data was recovered from the 15 of February to the end of the month for the meteorological parameters. During the Feb 23 visit, a PC was installed on site as a system backup, and a UPS was installed to protect both the PC and data system from the potential of any further power problems.

Parameter	Make	Model	Notes
SO_2	TECO	43	Low baseline is possibly being caused by a deteriorating UV lamp. A new one will be installed during the April calibration. Data was not affected as valid daily zero values are available.
TRS	TEI	42C	No operational problems observed
$PM_{2.5}$	R&P	1400AB	some data is available from Feb 15 to 23, but is the PM10 fraction and was not included in this report. The new 2.5 sharp cut cyclone was installed on Feb 23.
AT	Met One	062-1	No operational problems observed
WS	Met One	010C	No operational problems observed
WD	Met One	020C	No operational problems observed

PASZA - Henry Pirker AQI Monthly Summary

Station: Henry Pirker

Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Good Readings:	627
Number of 1-hr Fair Readings:	5
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Percentile	99	95	75	50	25	5	1
	25.1	18.9	14.7	11.1	8.5	6.2	5.0

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

Alberta's Air Quality Index

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00
1-Feb-05	A	21	21	21	20	20	18	19	18	18	14	12	15	16	17	13	10	12	15	11	9	14	16	A
2-Feb-05	18	18	18	17	17	16	19	20	20	20	20	19	15	13	12	12	12	11	12	10	7	12	A	11
3-Feb-05	10	7	6	5	7	7	6	11	12	9	12	13	13	13	14	13	12	11	11	10	11	A	12	13
4-Feb-05	15	15	15	15	14	14	14	12	11	12	12	12	13	12	12	11	11	10	8	8	A	9	9	9
5-Feb-05	11	13	9	11	9	11	10	7	6	5	9	11	12	13	13	13	12	12	6	A	7	8	8	7
6-Feb-05	6	11	10	10	10	9	8	7	5	7	6	7	10	12	11	10	10	8	A	10	9	8	7	6
7-Feb-05	7	5	5	4	5	5	7	7	7	13	16	28	36	35	25	18	16	A	15	11	12	20	29	15
8-Feb-05	22	12	11	11	11	9	9	8	11	13	15	15	13	12	14	16	A	13	15	18	18	9	12	8
9-Feb-05	12	15	12	8	8	11	11	14	11	10	14	16	18	18	18	A	17	17	17	17	16	16	10	18
10-Feb-05	18	19	18	16	9	8	12	10	12	9	8	12	12	14	A	17	17	19	18	15	10	9	9	8
11-Feb-05	10	15	13	11	7	10	10	11	12	18	12	11	10	A	8	8	7	9	11	10	9	8	8	7
12-Feb-05	9	8	6	5	6	7	8	10	10	18	14	8	A	17	11	19	19	16	15	14	17	16	18	16
13-Feb-05	18	20	20	18	15	15	16	12	9	9	14	A	18	19	19	19	19	18	16	14	9	13	13	13
14-Feb-05	11	15	16	14	14	14	15	15	15	15	A	17	18	18	18	18	16	8	10	10	11	9	8	9
15-Feb-05	7	14	10	11	14	10	12	7	7	A	13	15	15	16	16	16	11	15	18	12	9	9	11	14
16-Feb-05	15	11	8	8	8	9	9	9	A	10	8	10	14	15	14	10	16	15	12	8	10	12	14	11
17-Feb-05	16	17	20	20	18	15	11	A	7	7	16	17	17	19	19	16	18	15	13	12	12	13	13	16
18-Feb-05	17	16	14	7	8	6	A	8	8	9	7	13	15	15	15	13	11	9	9	8	7	7	7	7
19-Feb-05	6	9	9	6	5	A	7	6	6	7	13	14	14	17	17	17	15	13	7	7	9	9	7	8
20-Feb-05	7	5	9	8	A	8	8	6	9	10	9	11	11	10	8	13	10	8	8	16	14	8	8	7
21-Feb-05	6	7	7	A	7	7	6	7	7	5	7	10	12	15	12	14	13	9	9	9	8	7	6	6
22-Feb-05	8	8	A	8	7	5	6	10	17	17	10	16	18	14	10	16	19	15	17	12	10	10	9	9
23-Feb-05	9	A	7	8	9	10	11	11	9	10	9	N	N	N	N	18	11	16	11	9	17	13	13	10
24-Feb-05	8	10	10	10	9	A	13	25	26	12	N	N	A	A	A	N	A	11	11	10	11	10	9	9
25-Feb-05	8	10	9	9	9	A	11	14	25	25	8	10	10	14	13	14	16	15	10	11	15	15	13	15
26-Feb-05	15	13	8	7	A	7	8	8	8	7	11	11	13	16	15	12	16	14	8	7	10	10	9	8
27-Feb-05	7	6	6	A	6	7	8	8	6	6	8	10	11	12	13	10	13	12	9	7	8	9	8	7
28-Feb-05	6	6	A	6	5	6	9	9	11	13	14	15	9	10	12	10	12	11	10	11	9	9	8	8
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

PASZA - Henry Pirker Sulphur Dioxide Monthly Summary

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	6.0	ppb	27-Feb	17:00 18:00
Maximum 24-hr Average:	1.8	ppb	27-Feb	

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

AIC Time:	31 hrs	Operational Time:	635 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	3.2	1.8	1.0	0.6	0.3	0.2	0.1	0.8 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	A	0.4	0.8
2-Feb-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.2	0.3
3-Feb-05	0	0	0	0	0	0	0	1	1	0	1	0	0	0	1	0	1	0	0	0	0	A	0	0	0.4	0.9
4-Feb-05	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	2	2	0	1	A	0	0	0	0.6	2.1
5-Feb-05	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	A	1	0	0	0	0.5	2.4
6-Feb-05	0	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	A	1	1	1	1	1	0.9	2.1
7-Feb-05	1	1	1	1	0	0	1	1	1	1	1	2	2	3	3	2	2	A	2	1	1	2	2	2	1.4	2.9
8-Feb-05	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0	0	0	0	1	0	0.8	1.9
9-Feb-05	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.3	0.6
10-Feb-05	0	0	0	0	0	0	1	1	1	1	1	1	1	1	A	1	0	0	0	0	1	1	1	1	0.6	1.4
11-Feb-05	1	0	0	0	0	1	1	1	2	2	2	1	1	A	1	1	1	1	1	1	1	0	0	0	0.9	2.5
12-Feb-05	1	0	0	0	0	0	1	1	1	2	1	1	A	2	1	0	0	0	0	0	0	0	0	0	0.7	1.6
13-Feb-05	0	0	0	0	0	1	1	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
14-Feb-05	0	0	0	1	1	1	1	1	1	0	A	1	1	0	0	1	0	1	1	1	1	1	1	1	0.6	1.4
15-Feb-05	1	0	0	0	0	0	0	0	0	A	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0.5	1.3
16-Feb-05	0	0	0	0	0	0	1	1	A	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0.5	1.0
17-Feb-05	0	1	2	4	1	0	1	A	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0.9	4.2
18-Feb-05	0	0	0	0	0	0	A	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1.1	2.4
19-Feb-05	1	1	0	1	1	A	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	1	1.0	1.8
20-Feb-05	0	0	0	0	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0.6	1.5
21-Feb-05	0	1	1	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.7	1.2
22-Feb-05	0	0	A	0	0	0	0	1	2	1	1	2	2	1	1	1	2	2	1	1	1	1	0	0	0.9	1.8
23-Feb-05	0	A	0	0	1	1	1	1	1	1	1	C	C	C	N	0	0	1	1	1	1	1	1	1	0.8	1.4
24-Feb-05	1	0	0	1	1	A	1	3	3	2	C	C	A	A	2	1	1	2	1	1	1	1	1	1	1.2	3.2
25-Feb-05	0	1	0	1	1	A	1	2	3	2	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0.8	2.7
26-Feb-05	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0	0	0.8	1.7
27-Feb-05	0	0	0	A	1	1	1	1	1	1	1	1	3	4	5	5	6	6	3	1	1	1	1	0	1.8	6.0
28-Feb-05	0	0	A	0	0	0	1	1	1	1	1	2	1	1	1	2	2	2	1	1	1	1	0	0	1.0	2.4
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	0.4	0.5	0.5	0.5	0.4	0.4	0.6	0.8	0.9	1.0	0.9	1.0	0.9	1.0	1.1	1.1	1.1	1.1	0.9	0.7	0.7	0.6	0.5	0.5		
Hourly Max	1.9	2.4	2.0	4.2	1.0	0.9	1.3	3.2	3.2	2.5	1.6	2.4	2.9	4.1	4.6	4.8	5.5	6.0	2.7	2.1	1.4	2.0	1.8	1.9		

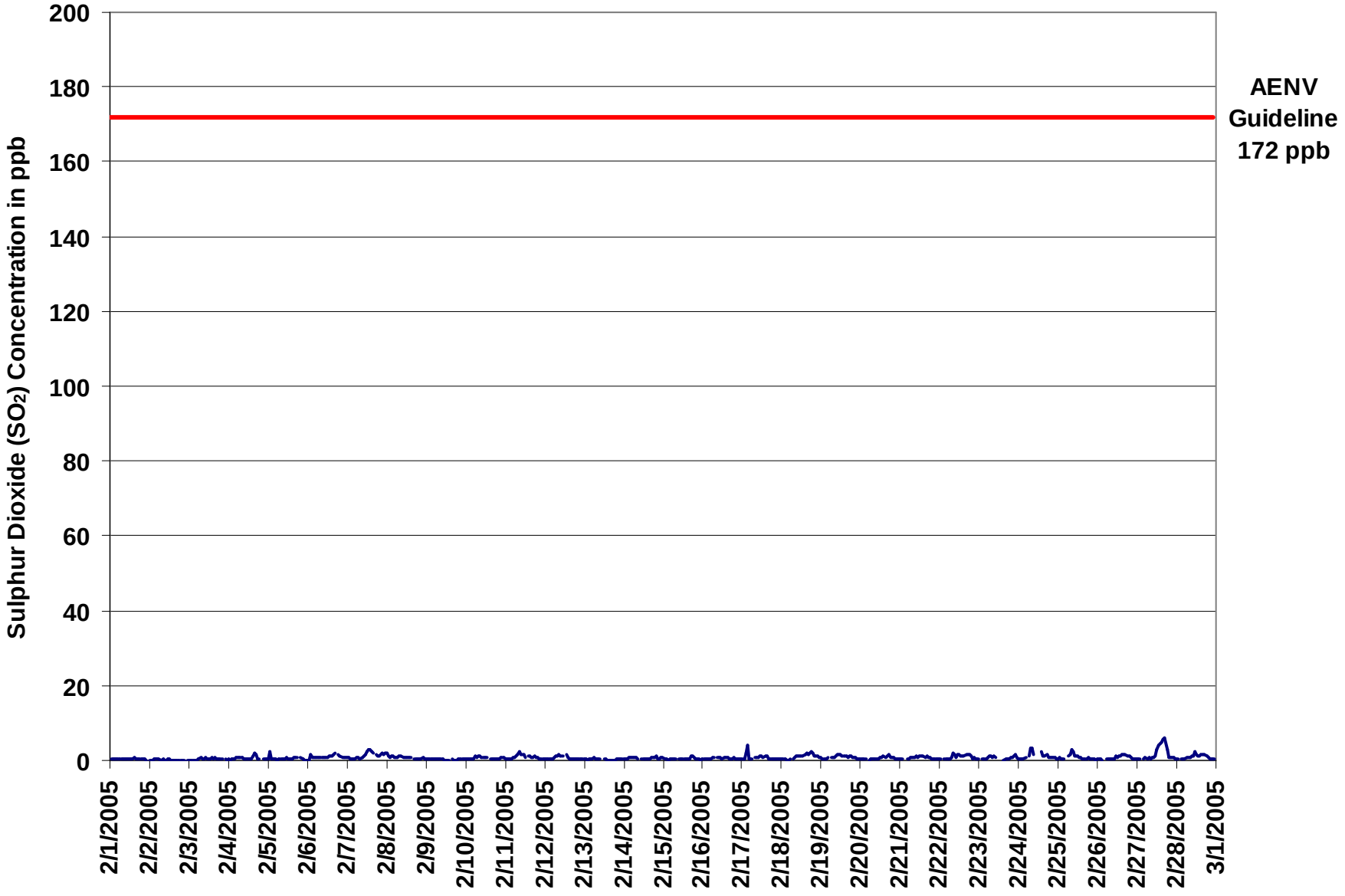


Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	10.2	ppb	17-Feb	3:00 4:00
Maximum 24-hr Value:	2.6	ppb	27-Feb	

AIC Time:	31 hrs	Operational Time:	635 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	5.5	3.0	1.7	1.2	0.9	0.7	0.6	1.5 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	A	1.1	2.3
2-Feb-05	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
3-Feb-05	1	1	1	1	1	0	1	2	1	1	2	1	1	1	2	1	1	1	1	1	1	A	1	1	1.0	1.9
4-Feb-05	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	3	4	1	1	A	1	1	1	1.3	3.7
5-Feb-05	2	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	A	1	1	1	1	1.3	3.1
6-Feb-05	1	1	3	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	A	2	2	2	1	1	1.7	3.5
7-Feb-05	1	1	1	1	1	1	1	2	1	2	2	3	3	4	4	4	4	A	2	2	2	3	3	3	2.2	4.0
8-Feb-05	3	2	2	1	2	1	2	2	2	3	1	1	1	2	1	1	A	1	1	1	1	1	2	1	1.5	2.9
9-Feb-05	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	1.3
10-Feb-05	1	1	1	1	1	1	2	2	3	3	2	2	2	1	A	1	1	1	1	1	1	1	1	1	1.4	2.8
11-Feb-05	1	1	1	1	1	1	2	2	3	4	3	2	2	A	2	2	1	2	2	2	2	1	1	1	1.7	3.6
12-Feb-05	1	1	1	1	1	1	1	2	2	3	2	2	A	2	2	1	1	1	1	1	1	1	1	1	1.4	2.5
13-Feb-05	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.3
14-Feb-05	1	1	1	1	1	1	2	1	2	1	A	1	1	1	1	1	1	1	2	2	2	1	2	2	1.3	2.5
15-Feb-05	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1.2	3.1
16-Feb-05	1	1	1	1	1	1	1	2	A	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1.2	1.8
17-Feb-05	1	1	5	10	1	1	1	A	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1.8	10.2
18-Feb-05	1	1	1	1	1	1	A	1	2	2	2	2	2	2	3	3	2	3	3	3	2	2	2	1	1.9	3.1
19-Feb-05	1	1	1	1	1	A	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1.6	2.4
20-Feb-05	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	1	2	2	1	2	2	1	1	1	1.3	2.3
21-Feb-05	1	1	1	A	1	1	1	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1.3	1.8
22-Feb-05	1	1	A	1	1	1	1	2	3	2	2	3	2	2	2	2	3	3	2	2	1	1	1	1	1.6	2.8
23-Feb-05	1	A	1	1	1	2	2	3	2	2	2	C	C	C	N	0	1	1	1	1	2	2	2	2	1.6	2.7
24-Feb-05	1	1	1	1	1	A	3	6	4	5	C	C	A	A	5	2	2	2	2	2	2	1	1	1	2.2	5.7
25-Feb-05	1	1	1	1	2	A	2	2	4	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1.6	4.3
26-Feb-05	1	1	1	1	A	1	1	1	2	1	1	2	1	2	2	3	2	2	2	2	1	1	1	1	1.4	2.6
27-Feb-05	1	1	1	A	1	1	1	1	1	2	1	2	4	5	6	6	6	8	6	2	1	1	1	1	2.6	8.2
28-Feb-05	1	1	A	1	1	1	1	1	2	2	2	3	2	2	2	3	3	2	2	2	1	1	1	1	1.7	3.3
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	1.1	1.0	1.3	1.3	1.1	1.0	1.4	1.6	1.7	1.8	1.6	1.6	1.6	1.6	2.0	1.8	1.8	1.9	1.7	1.4	1.4	1.2	1.2	1.1		
Hourly Max	2.6	3.1	5.3	10.2	1.7	1.8	2.9	5.7	4.3	4.5	3.0	3.3	4.3	4.7	5.7	6.0	6.4	8.2	5.8	2.7	2.5	3.0	2.6	2.9		

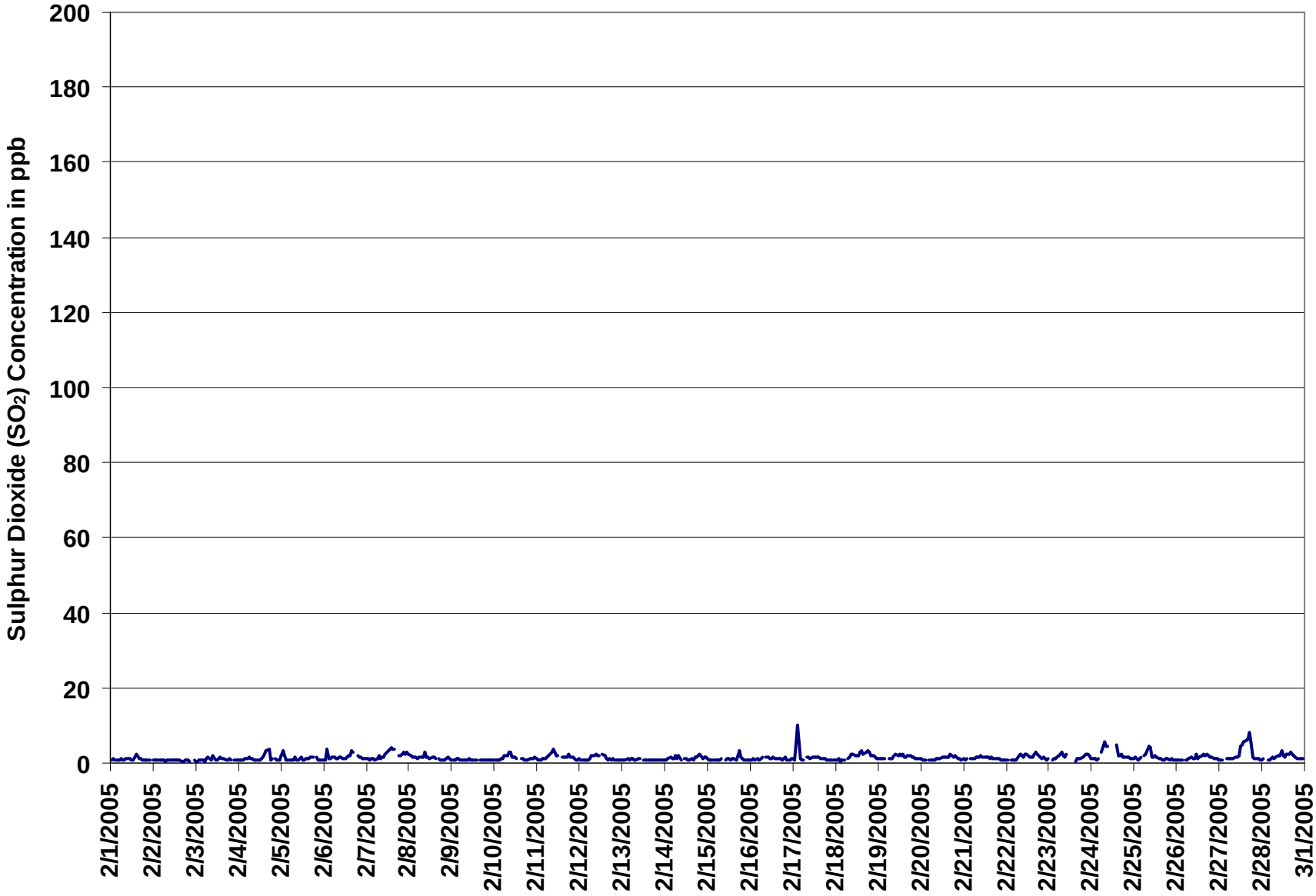
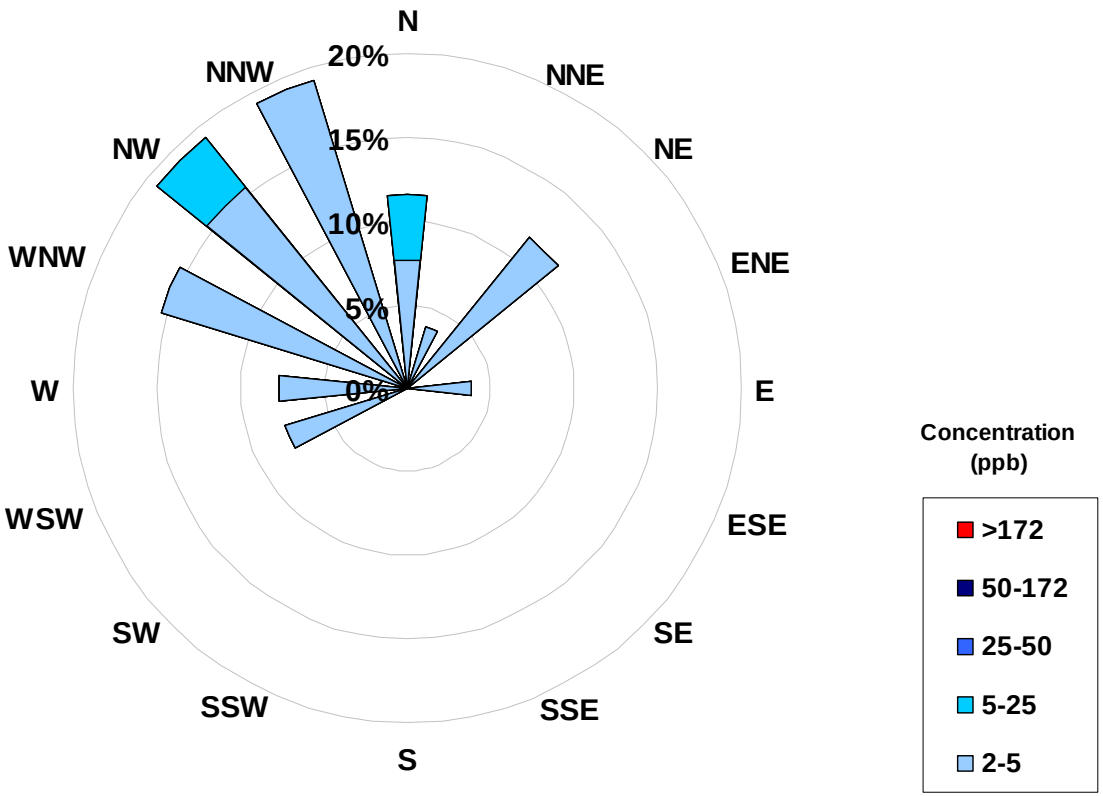


Figure 2. PASZA - Henry Pirker Sulphur Dioxide 1-hr Maximum Value Monthly Trend

Concentration Rose for the 1-hr SO_2 Average Concentration Occurrences at the Henry Pirker Site for February 2005



Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0	<	2	609
2	to	5	24
5	to	25	2
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			635

Calms	
Range	
ppb	
2-5	0.0%
5-25	0.0%
25-50	0.0%
50-172	0.0%
>172	0.0%

PASZA - Henry Pirker Oxides of Nitrogen Monthly Summary

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	77.9	ppb	24-Feb	7:00 8:00
Maximum 24-hr Average:	40.9	ppb	24-Feb	

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

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	59	47	33	19	10	4	2	22.2 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	3	2	3	5	5	9	7	9	11	19	24	16	12	10	19	22	20	15	22	26	14	7	A	12.7	25.6
2-Feb-05	3	2	2	3	4	6	5	4	5	5	5	7	10	7	8	8	9	9	7	12	18	8	A	9	6.8	18.2
3-Feb-05	13	17	20	20	29	29	23	36	35	10	5	3	3	3	3	5	6	8	8	12	8	A	6	5	13.3	35.9
4-Feb-05	4	3	4	4	4	5	6	8	9	8	7	7	6	7	8	9	10	11	17	16	A	14	11	12	8.3	16.8
5-Feb-05	9	3	12	6	11	7	11	17	24	23	11	7	5	4	4	4	5	6	19	A	31	16	15	18	11.7	31.3
6-Feb-05	19	9	10	9	9	13	15	16	21	26	22	18	10	10	12	18	19	28	A	39	36	32	29	25	19.3	38.6
7-Feb-05	28	19	22	18	16	19	27	28	26	27	30	45	65	68	52	47	47	A	45	40	40	50	53	53	37.7	68.3
8-Feb-05	60	50	44	48	48	39	36	35	45	40	10	11	16	19	17	12	A	19	14	9	9	27	50	33	30.1	59.9
9-Feb-05	21	16	24	33	35	23	23	15	19	22	12	8	4	4	5	A	7	7	5	6	8	9	21	7	14.6	35.2
10-Feb-05	7	6	8	12	36	35	51	43	51	37	32	23	23	19	A	13	12	8	10	15	24	25	38	32	24.3	51.0
11-Feb-05	24	12	17	21	26	42	44	48	50	61	51	45	25	A	33	29	30	40	45	42	39	35	35	30	35.8	60.9
12-Feb-05	36	32	24	20	25	30	34	41	41	45	37	36	A	38	24	9	11	15	15	17	11	13	9	11	24.9	45.3
13-Feb-05	8	2	3	2	1	2	3	11	19	18	11	A	5	6	5	5	6	7	10	14	24	15	14	13	8.9	24.1
14-Feb-05	16	8	3	3	3	5	4	4	4	4	A	2	2	2	3	3	7	32	42	42	47	38	33	37	15.0	46.9
15-Feb-05	28	10	17	15	8	17	17	26	28	A	14	10	11	10	11	10	22	43	45	40	37	25	19	16	20.9	44.9
16-Feb-05	12	19	27	25	35	38	38	31	A	36	28	19	11	12	16	24	12	16	19	35	23	16	12	18	22.7	38.1
17-Feb-05	8	7	2	3	6	12	19	A	31	29	9	8	9	5	6	13	7	14	17	18	17	16	13	9	12.0	31.1
18-Feb-05	7	8	11	21	19	23	A	35	35	37	27	13	9	9	11	14	18	21	21	21	21	23	20	21	19.3	37.0
19-Feb-05	21	14	13	18	21	A	17	19	24	18	9	7	6	3	4	4	8	11	24	30	39	37	31	34	18.0	39.1
20-Feb-05	28	19	13	12	A	13	15	18	24	18	10	9	12	16	22	15	20	24	32	40	39	34	31	25	21.3	40.3
21-Feb-05	23	21	26	A	17	15	25	31	31	23	22	17	22	25	19	15	17	23	38	37	32	28	24	25	24.2	37.7
22-Feb-05	18	17	A	17	16	23	26	41	48	39	29	40	46	37	29	43	50	47	48	46	40	40	36	37	35.3	49.8
23-Feb-05	37	A	31	35	35	40	45	44	37	38	37	C	C	C	N	15	13	19	29	36	42	53	53	41	35.8	53.3
24-Feb-05	30	26	25	40	39	A	55	78	72	39	C	C	C	C	A	18	16	45	47	44	45	44	37	37	40.9	77.9
25-Feb-05	35	43	39	38	38	A	43	49	63	58	32	24	26	18	19	18	16	17	26	23	13	13	16	12	29.6	63.4
26-Feb-05	10	14	22	28	A	31	33	33	35	31	20	22	17	10	17	25	15	20	34	30	43	40	38	36	26.2	42.8
27-Feb-05	29	21	19	A	23	20	35	33	26	25	21	16	17	18	15	25	35	39	36	31	35	37	23	21	26.0	39.1
28-Feb-05	26	24	A	27	21	27	39	37	34	34	32	33	26	20	17	25	36	45	44	44	39	39	34	33	32.1	45.3
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	20.7	15.8	17.0	18.5	20.4	20.8	25.8	29.2	31.4	28.2	20.9	18.1	16.2	15.3	14.7	16.5	17.6	22.0	26.4	28.1	29.2	27.4	26.3	24.0		
Hourly Max	59.9	50.2	44.4	48.2	47.8	42.4	54.5	77.9	72.0	60.9	50.8	45.3	65.2	68.3	52.0	47.1	49.8	47.4	48.3	45.8	46.9	52.7	53.4	53.2		

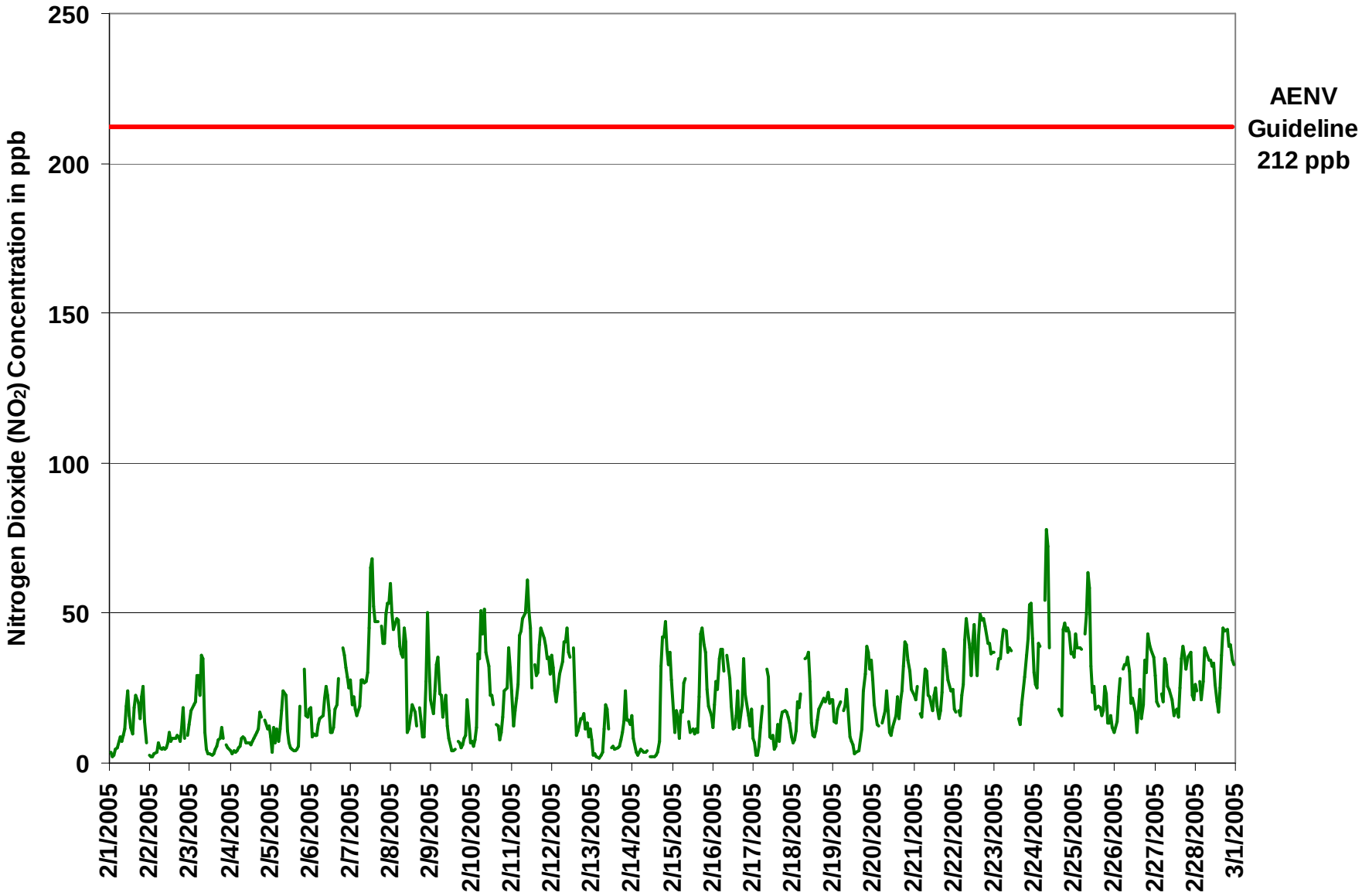


Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	116.8	ppb	24-Feb	7:00 8:00
Maximum 24-hr Value:	53.4	ppb	24-Feb	

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	76	59	41	29	18	6	4	30.5 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	5	3	5	7	9	12	9	15	27	29	32	21	17	23	35	29	32	25	35	42	29	11	A	20.5	42.0
2-Feb-05	4	4	3	4	6	11	11	7	7	9	11	10	20	13	13	15	13	12	11	28	28	11	A	13	11.3	28.3
3-Feb-05	24	30	29	24	32	32	39	41	45	31	11	6	6	5	6	9	9	11	14	21	15	A	12	14	20.2	44.6
4-Feb-05	11	8	14	9	13	11	12	16	14	15	12	14	14	13	13	16	16	18	22	21	A	20	17	18	14.6	21.8
5-Feb-05	16	6	18	11	16	12	19	25	46	29	18	11	10	10	7	5	7	11	28	A	34	28	21	24	17.7	46.2
6-Feb-05	25	12	13	12	11	19	20	21	28	28	26	24	14	13	17	23	25	35	A	46	40	35	35	30	23.9	46.1
7-Feb-05	32	26	30	21	20	28	35	36	31	41	39	59	73	76	61	60	62	A	55	47	51	65	64	64	46.8	76.4
8-Feb-05	75	70	49	51	52	55	44	47	72	88	23	16	26	32	26	26	A	27	19	15	16	43	56	50	42.5	88.3
9-Feb-05	40	28	46	44	50	39	29	25	27	36	18	20	6	8	6	A	10	10	8	8	20	19	27	22	23.9	50.4
10-Feb-05	18	14	15	26	46	45	69	60	66	62	40	42	41	32	A	18	20	12	15	27	30	38	44	39	35.6	69.1
11-Feb-05	38	20	24	34	44	51	49	55	60	76	71	54	49	A	38	38	40	47	60	52	48	42	39	36	46.4	76.4
12-Feb-05	44	34	33	29	31	33	40	50	46	54	42	42	A	56	47	17	19	26	29	24	17	18	12	19	33.2	55.9
13-Feb-05	18	5	4	5	3	5	6	26	29	29	16	A	8	8	7	9	8	10	13	26	34	19	30	26	15.0	34.2
14-Feb-05	26	13	8	4	6	8	6	5	6	8	A	4	4	4	5	7	15	41	47	49	55	46	47	42	19.8	54.7
15-Feb-05	42	25	33	36	14	34	36	36	41	A	27	17	18	14	18	14	35	52	56	47	47	38	33	21	31.9	56.1
16-Feb-05	24	40	49	38	46	45	55	44	A	43	39	25	19	19	22	29	24	35	34	52	50	29	29	28	35.5	54.6
17-Feb-05	20	16	7	5	15	17	33	A	42	39	20	13	20	8	10	25	13	22	20	23	21	20	17	13	19.1	41.8
18-Feb-05	9	12	31	31	31	39	A	42	42	46	46	27	11	13	17	19	23	27	29	29	29	30	30	28	27.9	46.3
19-Feb-05	31	22	20	25	27	A	23	26	28	21	16	10	8	7	6	6	17	24	31	39	44	39	33	38	23.5	44.3
20-Feb-05	39	26	17	18	A	19	18	31	29	25	14	12	15	20	31	21	29	28	43	48	45	37	37	31	27.5	47.7
21-Feb-05	33	32	32	A	25	27	31	36	39	32	29	28	26	31	23	19	24	41	41	41	36	34	30	33	31.4	41.4
22-Feb-05	26	22	A	21	28	29	33	54	56	48	40	56	52	45	37	56	55	56	59	51	47	49	40	40	43.5	59.3
23-Feb-05	42	A	38	44	45	49	53	60	51	48	49	C	C	C	N	23	20	27	42	56	57	64	62	58	46.8	64.1
24-Feb-05	41	38	39	44	47	A	72	117	82	79	C	C	C	C	A	32	22	60	51	51	51	50	44	42	53.4	116.8
25-Feb-05	41	50	42	45	52	A	52	64	100	75	48	39	40	24	29	28	27	29	38	46	18	16	21	18	41.0	99.7
26-Feb-05	26	20	32	34	A	40	39	38	45	37	28	27	22	18	30	32	25	36	40	39	50	47	41	38	34.1	50.3
27-Feb-05	35	25	26	A	33	37	39	47	33	28	26	23	21	22	21	36	40	47	43	42	41	39	31	28	33.2	47.4
28-Feb-05	33	37	A	31	31	33	75	44	41	38	38	38	29	26	21	38	56	52	49	50	42	45	39	39	40.3	75.4
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	30.1	23.6	25.1	25.1	28.2	29.1	35.2	39.3	41.6	40.5	29.9	26.0	23.0	21.4	21.3	24.3	25.3	30.7	34.1	37.6	37.4	35.2	33.4	31.5		
Hourly Max	74.9	69.6	48.8	51.3	52.4	55.5	75.4	116.8	99.7	88.3	71.0	59.1	73.3	76.4	61.1	59.8	62.5	59.9	60.4	56.5	56.6	64.8	63.6	64.0		

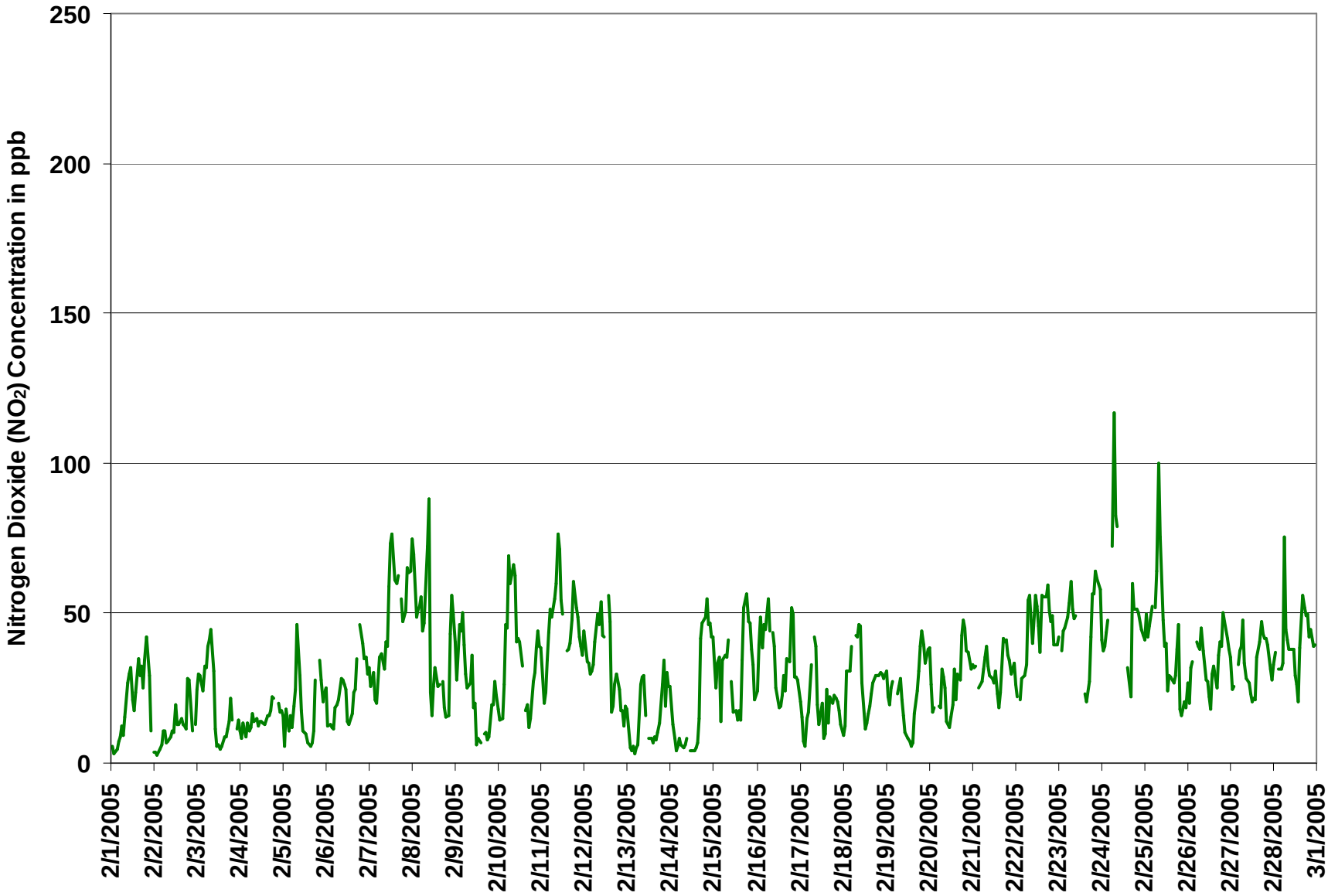
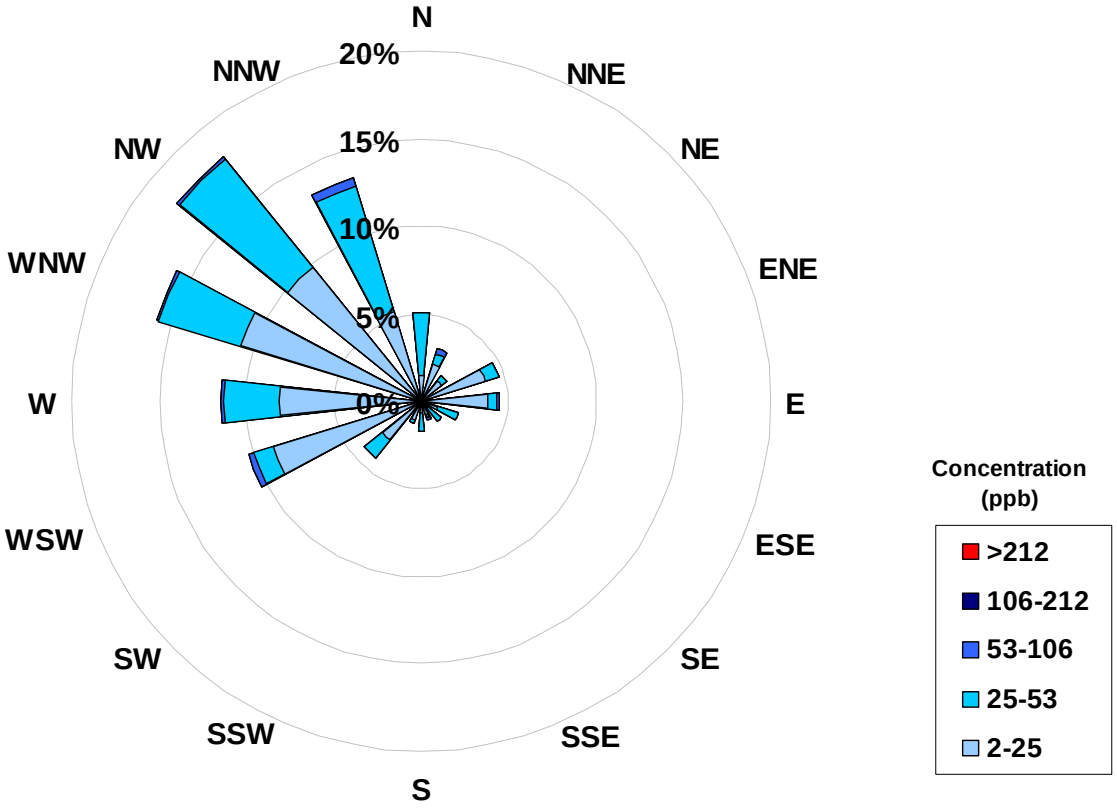


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Maximum Value Monthly Trend

Concentration Rose for the 1-hr NO_2 Average Concentration Occurrences at the Henry Pirker Site for February 2005



Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
0	<	2	3
2	to	25	394
25	to	53	225
53	to	106	12
106	to	212	0
	>	212	0
Total Non-Zero Values			634

Calms	
Range	
ppb	
2-25	0.0%
25-53	0.0%
53-106	0.0%
106-212	0.0%
>212	0.0%

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitric Oxide (NO)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	287	ppb	24-Feb	8:00 9:00
Maximum 24-hr Average:	87	ppb	7-Feb	

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

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	190	99	21	4	1	0	0	20.5 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	0	0	0	0	0	0	0	0	1	3	6	3	3	2	6	2	1	1	1	3	0	0	A	1.4	6.2
2-Feb-05	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	2	1	A	2	0.9	2.5
3-Feb-05	1	1	1	1	4	3	14	61	53	4	2	2	2	2	2	2	2	2	2	2	3	A	3	2	7.3	60.6
4-Feb-05	2	2	2	3	2	3	3	4	4	5	5	6	6	6	6	6	5	4	4	4	A	3	1	2	3.8	5.9
5-Feb-05	1	1	2	1	1	1	2	3	7	14	8	8	5	5	4	2	2	2	3	A	18	3	2	3	4.2	17.9
6-Feb-05	3	2	2	1	1	1	2	1	2	17	22	20	10	10	13	18	13	12	A	67	60	33	22	7	14.7	66.9
7-Feb-05	11	1	1	0	0	1	30	39	30	56	70	110	180	195	147	120	113	A	118	96	107	199	181	188	86.6	198.7
8-Feb-05	190	100	76	95	99	78	69	57	98	85	6	9	15	20	12	6	A	2	1	0	0	2	41	6	46.5	190.3
9-Feb-05	2	0	2	2	5	1	2	2	3	8	6	6	3	3	3	A	2	1	0	0	0	1	1	0	2.3	8.4
10-Feb-05	0	0	0	0	2	2	51	49	67	51	23	16	16	15	A	4	3	0	0	0	0	2	11	1	13.6	67.2
11-Feb-05	1	0	0	0	5	40	37	73	158	240	125	84	26	A	23	16	14	22	71	72	61	25	26	9	49.1	240.5
12-Feb-05	26	9	4	1	3	13	41	108	110	146	82	71	A	71	25	3	2	0	0	0	0	0	0	0	31.1	146.1
13-Feb-05	0	0	0	0	0	1	1	2	3	6	5	A	3	3	3	2	1	0	0	0	1	0	0	0	1.4	6.4
14-Feb-05	0	0	1	1	1	1	1	1	1	1	A	2	2	2	2	2	3	15	29	60	110	35	21	26	13.8	110.2
15-Feb-05	11	2	3	2	1	2	2	2	12	A	10	8	10	8	8	4	7	61	86	32	20	2	0	0	12.7	85.8
16-Feb-05	0	0	5	1	4	16	46	65	A	66	41	19	11	11	12	20	4	2	1	14	11	0	0	0	15.1	65.6
17-Feb-05	0	0	0	0	0	0	1	A	12	19	5	5	7	2	2	7	2	2	1	0	1	0	0	0	2.8	19.3
18-Feb-05	0	0	0	0	1	3	A	13	38	59	42	13	6	4	3	5	5	3	0	0	0	2	1	1	8.7	59.5
19-Feb-05	1	0	0	1	1	A	1	1	5	7	3	2	2	1	2	2	2	1	3	5	23	14	2	29	4.7	28.5
20-Feb-05	27	2	0	0	A	1	0	3	9	12	7	6	10	13	22	10	10	3	3	30	51	23	8	1	10.9	51.4
21-Feb-05	1	1	1	A	1	1	3	26	31	26	29	19	26	25	13	5	4	4	15	21	4	1	0	2	11.2	30.8
22-Feb-05	0	0	A	1	1	7	6	63	163	99	37	67	62	35	25	51	87	78	99	66	30	40	17	5	45.2	162.8
23-Feb-05	15	A	9	23	45	82	121	128	73	107	56	C	C	C	N	5	2	2	2	8	32	51	66	21	44.6	127.6
24-Feb-05	2	1	1	10	16	A	108	283	287	93	C	C	C	C	A	8	5	32	25	13	14	27	9	5	52.2	286.8
25-Feb-05	4	19	20	26	42	A	88	146	261	189	27	13	21	9	11	10	5	2	2	2	0	0	0	0	39.0	260.9
26-Feb-05	0	0	1	3	A	20	25	19	48	38	16	22	14	6	11	15	4	3	3	1	37	25	22	15	15.1	48.0
27-Feb-05	11	0	1	A	1	4	20	22	17	28	25	17	16	15	11	21	26	23	12	4	9	12	0	0	12.7	27.9
28-Feb-05	2	1	A	3	1	9	34	54	78	83	69	54	32	20	12	23	33	49	62	45	18	17	7	9	31.2	82.9
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	11.5	5.3	5.0	6.7	9.2	11.6	26.2	45.3	58.0	54.2	27.9	23.3	19.6	19.5	15.1	14.0	13.3	12.2	20.1	20.2	22.8	19.2	16.3	12.3		
Hourly Max	190.3	99.6	76.0	95.2	99.2	81.7	121.0	282.9	286.8	240.5	125.5	109.7	180	195.0	147.4	119.8	113.5	78.4	118.0	95.6	110.2	198.7	181.0	187.9		

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	498.3	ppb	24-Feb	7:00 8:00
Maximum 24-hr Value:	136.0	ppb	7-Feb	

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	308	176	46	13	4	1	0	40.1 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	1	0	0	0	0	1	0	1	3	5	11	4	4	9	19	4	3	2	4	13	1	1	A	4.0	19.4
2-Feb-05	0	0	0	0	0	1	1	1	0	1	2	2	9	6	7	10	10	4	3	12	5	7	A	7	4.0	12.3
3-Feb-05	4	6	2	3	9	6	55	84	116	37	5	5	7	3	4	5	4	8	11	9	13	A	11	11	18.1	116.3
4-Feb-05	9	14	10	13	19	16	14	29	15	18	14	18	14	17	18	15	17	10	10	13	A	10	4	3	13.9	29.5
5-Feb-05	2	2	7	6	3	12	7	5	39	29	14	62	10	14	8	4	4	2	18	A	37	11	4	11	13.4	62.1
6-Feb-05	7	13	5	2	2	2	7	2	8	26	34	33	15	14	20	28	31	26	A	124	88	61	53	20	27.0	124.5
7-Feb-05	24	7	8	4	1	13	83	113	61	137	117	178	210	237	192	200	229	A	175	147	192	319	256	224	136.0	319.5
8-Feb-05	229	218	101	111	114	138	106	134	156	235	14	14	31	44	25	19	A	4	2	1	2	10	65	25	78.1	234.9
9-Feb-05	17	2	10	7	25	6	3	4	7	23	10	18	4	4	4	A	3	2	1	0	4	3	2	1	7.0	25.3
10-Feb-05	2	2	2	1	6	7	106	97	145	187	48	53	47	34	A	9	6	1	1	1	3	9	51	3	35.6	186.8
11-Feb-05	4	0	1	1	30	72	68	101	271	346	286	131	96	A	42	32	32	49	153	136	154	73	49	27	93.7	346.3
12-Feb-05	66	18	16	6	13	32	67	178	154	212	111	85	A	122	77	9	6	2	5	1	0	0	0	0	51.3	212.4
13-Feb-05	1	0	0	1	1	1	2	3	10	12	8	A	5	5	4	4	2	1	0	1	3	2	6	1	3.2	11.7
14-Feb-05	1	1	1	1	2	1	2	2	2	4	A	4	4	3	4	4	5	27	59	93	180	69	90	46	26.3	180.0
15-Feb-05	48	5	14	7	2	8	7	8	42	A	26	16	18	13	17	9	23	104	239	97	62	7	3	1	33.8	239.4
16-Feb-05	1	5	22	5	20	39	73	176	A	116	85	33	17	21	18	31	16	9	9	85	63	2	0	2	36.9	175.9
17-Feb-05	1	0	0	0	0	1	5	A	30	30	12	9	19	5	4	17	9	9	1	2	5	5	1	1	7.3	30.4
18-Feb-05	1	1	8	5	9	19	A	38	100	98	130	34	8	8	7	9	12	7	2	2	4	5	4	2	22.3	130.2
19-Feb-05	8	1	2	2	5	A	2	4	11	11	7	4	4	4	5	3	4	3	9	15	45	31	4	45	10.1	45.4
20-Feb-05	55	10	1	1	A	3	1	21	18	24	10	9	15	18	50	18	24	7	14	58	91	40	29	8	22.9	90.9
21-Feb-05	6	13	5	A	4	5	9	73	68	48	46	46	38	35	20	10	9	25	32	41	17	13	2	10	25.0	72.7
22-Feb-05	2	1	A	2	10	39	32	131	236	145	68	91	80	61	37	95	134	152	219	109	58	124	44	13	81.9	235.5
23-Feb-05	41	A	24	54	90	106	165	216	143	133	125	C	C	C	N	12	7	5	14	38	114	147	132	83	86.8	215.9
24-Feb-05	8	8	16	19	46	A	217	498	426	390	C	C	C	C	A	24	10	70	50	24	39	68	34	13	108.9	498.3
25-Feb-05	18	45	35	54	115	A	134	220	422	356	76	39	60	15	22	22	14	8	8	24	0	0	1	1	73.4	421.9
26-Feb-05	7	2	6	10	A	49	53	36	189	60	29	29	20	16	24	24	17	10	8	5	91	70	34	27	35.4	188.6
27-Feb-05	32	1	3	A	7	31	46	92	36	39	40	34	23	21	18	46	34	52	33	21	43	27	5	1	29.8	91.5
28-Feb-05	11	7	A	15	5	26	124	89	131	102	94	76	38	33	18	57	79	85	116	95	30	68	15	41	58.9	130.9
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	22.3	14.2	11.5	12.7	20.8	25.3	51.5	87.3	105.1	104.5	54.5	41.4	31.9	30.3	26.2	27.2	27.5	25.4	44.2	42.9	50.2	43.8	33.3	23.2		
Hourly Max	228.5	217.7	101.1	110.9	115.1	138.4	217.4	498.3	426.4	390.2	285.8	177.5	210	236.9	192.2	200.2	228.6	152.0	239.4	146.6	191.7	319.5	256.3	224.5		

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	358	ppb	24-Feb	8:00 9:00
Maximum 24-hr Average:	124	ppb	7-Feb	

Guideline Limit: Alberta Environment: 1-hr na ppm | 24-hr na ppm

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	248	144	52	24	13	5	2	42.5 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	4	2	3	5	5	9	7	9	12	21	30	19	14	12	24	25	20	15	22	28	14	7	A	14.0	30.4
2-Feb-05	2	2	2	3	4	7	5	4	5	4	5	8	12	9	10	10	11	10	8	13	20	9	A	10	7.6	19.9
3-Feb-05	14	18	20	21	33	32	37	96	87	14	7	5	5	4	5	7	7	9	10	14	12	A	10	7	20.6	96.3
4-Feb-05	6	6	7	6	6	8	9	13	13	13	12	13	12	13	14	15	16	16	21	20	A	17	13	14	12.2	21.4
5-Feb-05	10	4	14	7	12	9	13	21	31	37	19	14	10	9	8	7	7	7	21	A	49	18	17	21	16.0	49.0
6-Feb-05	21	10	11	10	10	13	17	17	23	43	45	38	20	20	25	35	32	40	A	105	96	64	50	32	33.9	105.3
7-Feb-05	39	20	23	18	14	20	57	66	56	83	100	155	245	262	199	166	160	A	163	135	147	248	234	241	123.9	262.4
8-Feb-05	249	149	120	143	147	116	105	92	143	125	17	21	31	39	29	19	A	21	14	9	9	29	91	40	76.5	249.5
9-Feb-05	23	17	26	34	40	24	24	17	22	31	19	14	7	7	8	A	9	8	5	6	8	10	22	7	16.9	40.3
10-Feb-05	7	6	8	12	38	36	101	92	118	88	55	39	39	34	A	17	15	8	10	15	24	27	49	32	37.8	117.8
11-Feb-05	24	12	17	21	31	83	81	121	207	301	176	128	51	A	55	45	44	62	116	113	100	59	61	39	84.7	300.7
12-Feb-05	62	40	28	22	29	42	74	148	150	191	119	106	A	109	48	12	12	15	15	16	11	13	8	11	55.7	190.9
13-Feb-05	8	2	3	2	1	3	4	13	22	25	17	A	9	9	7	8	7	8	10	13	25	15	15	12	10.3	24.8
14-Feb-05	16	8	4	3	4	5	5	5	5	5	A	4	4	4	5	6	10	47	71	102	157	73	53	63	28.7	156.8
15-Feb-05	39	12	20	17	9	19	19	29	40	A	24	19	21	18	20	15	29	104	130	71	56	26	19	15	33.5	130.3
16-Feb-05	11	19	32	25	38	53	84	95	A	101	69	38	23	22	28	44	16	18	20	49	33	16	12	18	37.6	101.5
17-Feb-05	8	6	2	2	6	12	20	A	42	48	13	13	16	7	8	20	9	16	17	18	17	16	13	9	14.7	48.0
18-Feb-05	6	7	10	20	20	26	A	47	73	96	69	26	15	13	14	20	23	23	22	20	22	26	21	22	27.9	96.2
19-Feb-05	22	14	13	18	21	A	18	20	29	26	12	10	8	5	6	6	10	13	26	34	62	51	33	63	22.6	62.6
20-Feb-05	55	22	13	12	A	14	16	20	33	30	17	15	22	29	45	25	30	28	35	70	91	57	39	26	32.2	90.7
21-Feb-05	23	22	27	A	17	16	28	58	62	49	51	36	48	50	32	20	21	27	53	59	36	29	24	26	35.4	61.5
22-Feb-05	18	17	A	18	17	30	32	104	211	137	67	106	108	72	54	94	137	126	147	112	70	80	53	42	80.5	210.7
23-Feb-05	52	A	40	58	80	122	165	171	110	146	93	C	C	C	N	20	15	21	31	44	73	104	119	62	80.3	171.3
24-Feb-05	32	27	26	50	54	A	163	353	358	132	C	C	C	C	A	26	21	77	72	57	59	70	46	42	92.5	357.9
25-Feb-05	39	62	59	65	79	A	130	195	324	247	59	37	46	27	29	29	21	20	28	25	13	13	16	12	68.4	323.6
26-Feb-05	10	13	23	31	A	51	58	52	83	69	36	43	31	17	28	39	19	22	37	31	79	64	59	50	41.1	83.1
27-Feb-05	40	20	19	A	24	24	54	54	42	52	46	33	33	33	26	46	60	62	48	35	44	48	22	20	38.5	61.8
28-Feb-05	28	25	A	29	21	36	72	90	112	117	101	87	58	40	29	48	69	94	105	89	57	56	41	41	63.0	117.1
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	31.9	20.9	21.9	25.1	29.3	32.3	51.9	74.1	89.3	82.2	48.8	41.5	35.8	34.8	29.8	30.5	30.9	34.1	46.3	48.1	51.8	46.4	42.4	36.2		
Hourly Max	249.5	149.5	120.2	143.1	146.8	121.9	165.5	353.2	357.9	300.7	175.9	154.7	245	262.4	198.8	166.5	160.2	125.6	163.2	135.1	156.8	248.0	233.8	240.5		

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	498.7	ppb	24-Feb	8:00 9:00
Maximum 24-hr Value:	180.4	ppb	7-Feb	

AIC Time:	30 hrs	Operational Time:	634 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	365	228	83	40	23	9	5	68.9 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-Feb-05	A	5	3	4	7	8	13	10	16	30	34	42	25	21	32	54	32	34	26	36	54	30	11	A	24.0	54.0
2-Feb-05	4	3	3	5	6	11	11	7	7	9	12	12	29	17	19	25	23	16	13	41	33	14	A	18	14.7	40.5
3-Feb-05	28	33	31	26	41	38	94	123	159	68	16	11	14	7	10	14	12	17	20	26	24	A	22	25	37.3	158.8
4-Feb-05	17	22	21	22	32	28	25	41	29	30	26	25	28	24	28	28	29	25	31	34	A	30	21	19	26.7	41.3
5-Feb-05	18	7	21	14	17	21	21	30	85	57	32	27	19	22	15	9	11	12	45	A	70	38	24	33	28.1	85.0
6-Feb-05	29	19	18	14	13	20	27	22	34	52	60	57	29	26	35	48	56	59	A	169	126	94	85	48	49.6	168.6
7-Feb-05	54	32	38	24	20	41	113	150	90	177	151	235	282	312	251	259	290	A	228	193	242	370	310	288	180.4	370.2
8-Feb-05	298	280	148	159	162	194	146	172	228	310	38	30	56	75	50	45	A	31	19	16	18	53	115	74	118.2	310.1
9-Feb-05	55	30	56	51	75	45	33	29	34	57	29	38	11	11	10	A	12	12	9	9	23	22	30	23	30.5	74.6
10-Feb-05	19	16	17	26	52	50	172	156	211	242	86	94	86	66	A	25	26	12	15	28	33	47	90	40	69.9	242.1
11-Feb-05	42	19	24	35	72	123	114	153	326	421	355	184	145	A	79	70	72	92	201	178	202	109	85	61	137.5	420.7
12-Feb-05	109	50	46	35	41	64	100	220	198	266	153	122	A	176	124	26	25	28	34	25	17	18	12	19	82.9	265.7
13-Feb-05	18	5	5	6	3	6	7	29	39	41	23	A	13	13	11	13	10	10	14	26	36	19	36	26	17.8	40.6
14-Feb-05	26	13	9	5	8	9	8	7	8	13	A	8	8	7	9	11	20	65	104	141	228	112	136	88	45.4	228.3
15-Feb-05	90	29	47	42	15	41	42	43	81	A	54	32	35	28	35	20	57	150	293	138	108	45	36	21	64.4	292.6
16-Feb-05	24	41	69	41	65	83	126	217	A	159	123	58	36	40	41	60	39	44	41	136	113	31	29	29	71.5	216.5
17-Feb-05	21	16	7	5	15	18	37	A	72	66	31	22	39	13	14	40	23	30	21	24	22	21	18	13	25.6	71.6
18-Feb-05	10	13	38	36	39	54	A	79	141	140	175	61	19	20	23	27	35	33	31	31	34	35	34	30	49.5	174.8
19-Feb-05	38	23	21	27	32	A	25	28	37	32	24	14	12	11	11	10	20	27	40	52	88	68	38	82	33.1	87.8
20-Feb-05	88	36	17	18	A	20	19	52	43	48	24	20	31	36	81	39	52	34	55	101	135	76	65	39	49.1	134.8
21-Feb-05	39	41	36	A	29	31	40	107	107	78	76	74	64	66	40	28	32	66	71	79	53	45	32	43	55.5	106.9
22-Feb-05	27	22	A	22	38	67	65	182	288	190	108	147	131	105	74	150	188	203	269	159	103	172	83	51	123.6	288.2
23-Feb-05	81	A	59	98	129	151	208	271	192	178	172	C	C	C	N	35	28	31	51	94	164	203	182	133	129.5	271.4
24-Feb-05	47	45	54	61	92	A	283	499	499	467	C	C	C	C	A	55	30	124	100	74	89	117	77	52	153.7	498.7
25-Feb-05	58	93	76	98	156	A	183	279	498	429	121	78	99	38	52	49	40	36	45	69	17	15	21	19	111.7	497.9
26-Feb-05	34	21	34	44	A	83	90	68	232	94	57	56	42	34	52	56	41	45	48	42	140	112	72	64	67.7	231.7
27-Feb-05	68	26	29	A	40	59	84	134	68	67	65	56	43	42	39	80	71	98	75	60	80	65	36	28	61.5	133.8
28-Feb-05	44	43	A	46	36	57	183	126	165	139	132	113	67	59	38	93	132	134	159	142	71	110	52	78	96.3	182.5
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	51.3	36.5	35.5	37.1	47.6	52.8	84.1	119.7	143.8	142.9	83.7	64.6	54.5	50.8	46.9	50.7	52.0	54.3	76.2	78.6	86.0	76.7	64.9	53.6		
Hourly Max	298.3	280.0	148.2	158.7	162.5	193.6	283.2	498.6	498.7	466.9	355.0	234.9	282	311.9	250.5	259.4	290.1	202.9	292.6	192.8	241.9	370.2	310.0	287.7		

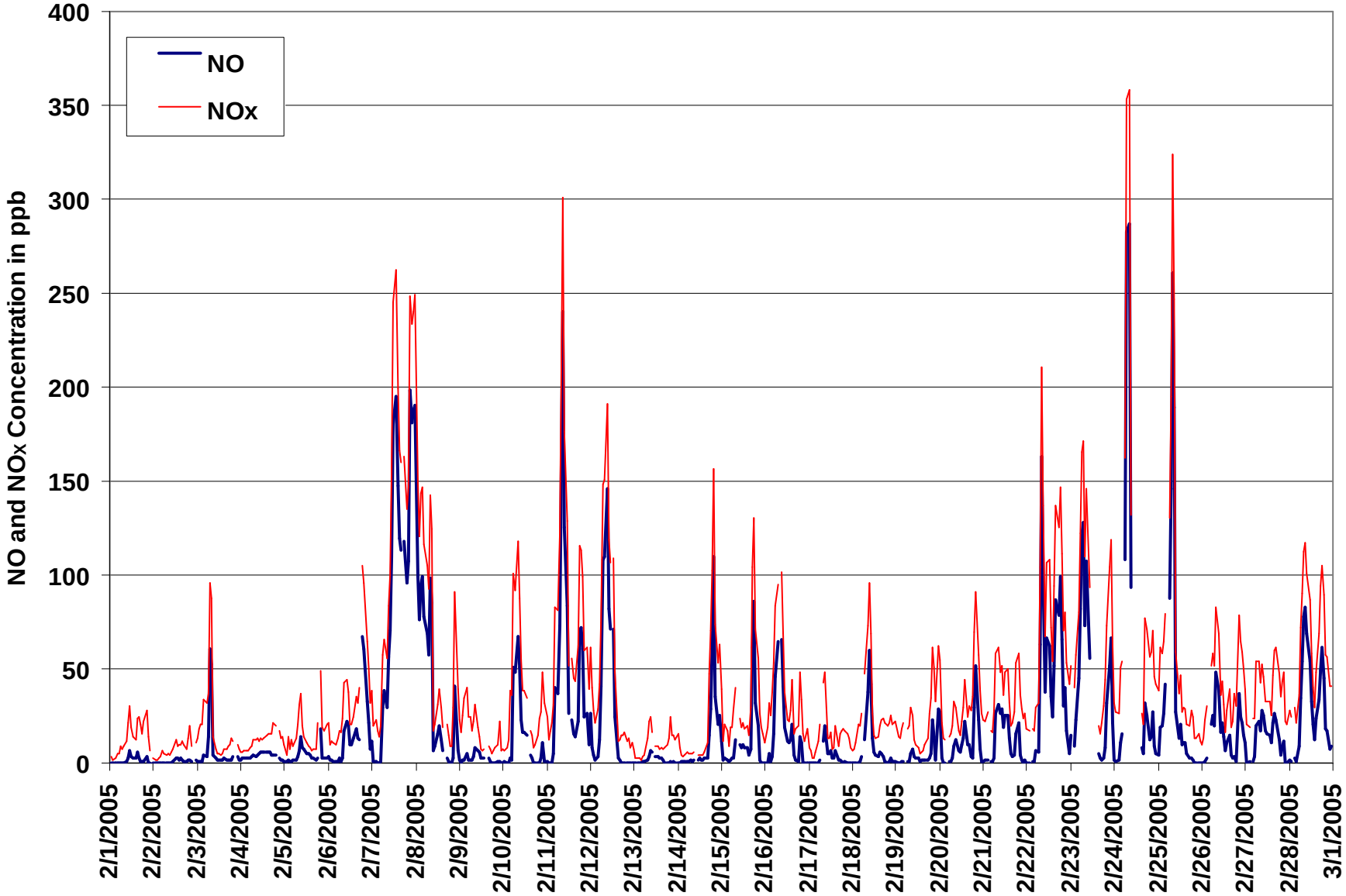


Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trends

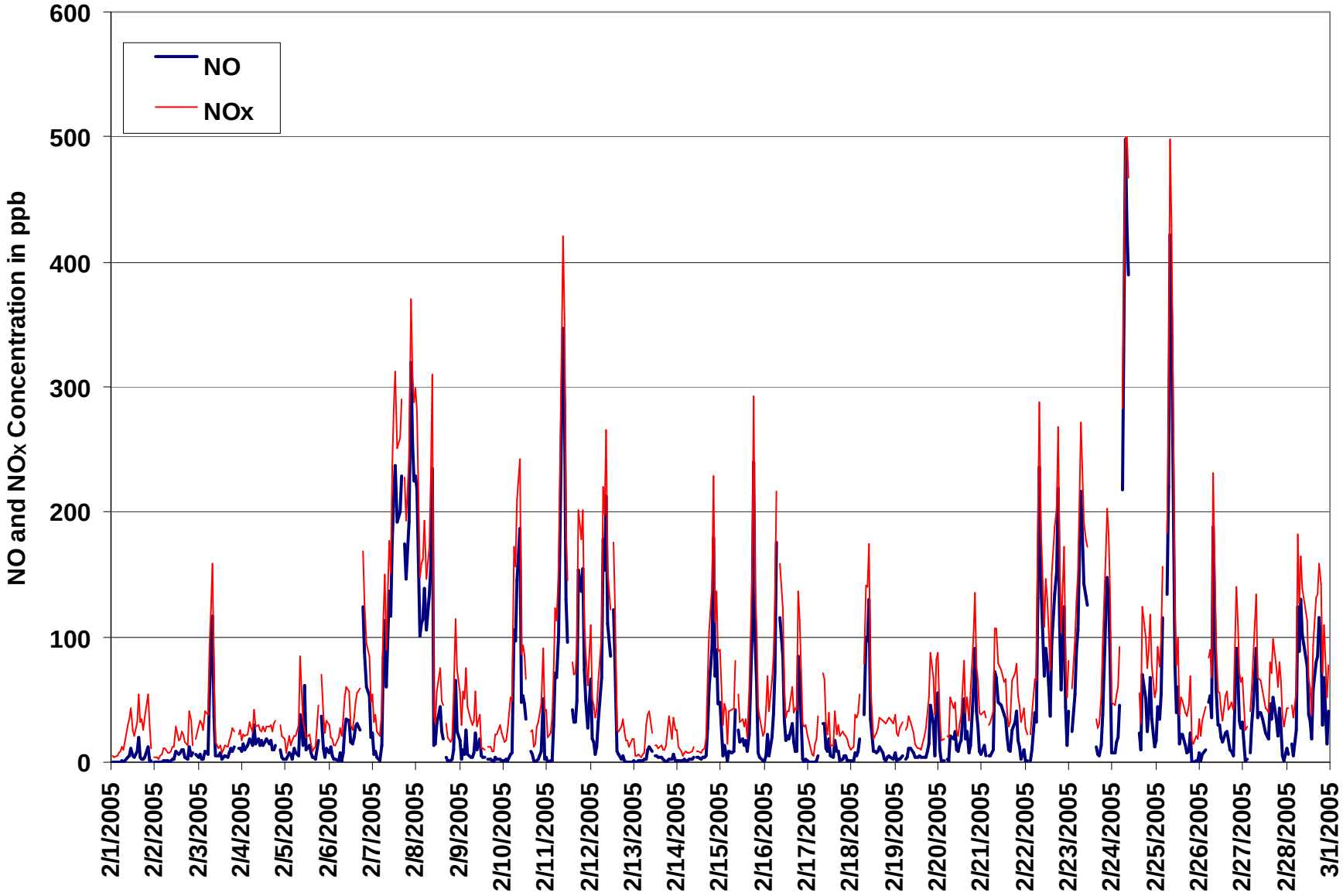


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Maximum Value Monthly Trends

PASZA - Henry Pirker Ozone Monthly Summary

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Ozone (O_3)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	42.8	ppb	1-Feb	2:00 3:00
Maximum 24-hr Average:	31.6	ppb	1-Feb	

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

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

Percentile	99	95	75	50	25	5	1	Average
	40	36	27	18	7	1	0	17.6 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	42	43	41	39	39	36	38	37	36	28	24	30	32	34	25	21	24	29	22	18	27	32	A	31.6	42.8
2-Feb-05	36	36	35	34	34	33	38	41	40	40	40	38	31	26	24	25	23	23	24	20	14	24	A	23	30.5	41.0
3-Feb-05	19	15	13	11	3	2	9	1	1	18	24	25	26	27	27	26	25	23	22	19	23	A	25	26	17.7	27.4
4-Feb-05	29	30	29	29	29	28	27	25	23	24	24	24	25	25	23	22	22	20	16	16	A	17	19	18	23.7	29.9
5-Feb-05	21	26	18	22	18	22	19	14	8	10	18	22	24	26	26	25	25	24	12	A	2	15	15	13	18.6	26.2
6-Feb-05	12	21	20	20	21	17	16	14	10	7	11	15	21	23	23	19	18	9	A	2	1	1	3	4	13.4	23.2
7-Feb-05	3	9	7	9	9	7	2	2	3	5	8	9	8	7	9	8	6	A	3	3	2	4	6	3	5.7	9.4
8-Feb-05	5	2	2	2	2	1	1	1	2	8	30	30	27	25	28	32	A	26	30	35	36	17	1	12	15.5	35.6
9-Feb-05	24	30	23	13	9	22	23	28	23	20	28	32	35	36	35	A	34	34	35	34	33	31	20	36	27.6	35.9
10-Feb-05	37	38	36	32	9	8	1	1	1	9	14	24	24	29	A	33	33	38	35	30	21	19	6	12	21.3	37.9
11-Feb-05	20	31	26	21	14	0	2	1	2	2	3	6	20	A	13	16	14	4	1	0	0	1	1	3	8.7	30.8
12-Feb-05	1	2	7	10	4	1	0	1	1	3	5	8	A	11	22	38	37	32	31	28	34	32	36	33	16.4	38.4
13-Feb-05	36	41	40	36	31	31	32	24	17	19	27	A	36	37	39	38	39	36	32	28	18	26	25	26	31.0	40.9
14-Feb-05	23	29	33	28	27	27	29	29	30	30	A	35	36	36	36	36	33	10	1	2	1	1	4	2	22.6	36.5
15-Feb-05	11	27	19	21	28	20	23	13	11	A	27	30	30	31	31	33	22	4	1	2	6	17	23	27	19.8	32.6
16-Feb-05	29	21	16	17	7	2	1	1	A	5	13	20	27	30	28	21	33	29	25	10	20	25	27	22	18.7	32.6
17-Feb-05	32	34	39	40	36	29	22	A	11	14	32	33	33	38	38	33	37	29	26	24	24	25	26	31	29.8	39.8
18-Feb-05	33	32	28	14	16	12	A	3	2	7	13	26	29	30	29	26	22	18	17	17	15	13	14	13	18.7	33.1
19-Feb-05	12	18	18	12	9	A	14	13	7	15	26	28	29	34	34	33	30	27	14	9	0	1	5	1	16.9	34.3
20-Feb-05	3	8	17	17	A	17	15	13	7	12	19	22	22	20	17	26	20	17	9	1	1	1	2	8	12.7	25.9
21-Feb-05	10	12	7	A	13	15	6	0	3	9	13	20	19	21	25	28	25	18	2	0	4	7	10	8	12.0	28.4
22-Feb-05	16	15	A	15	14	6	5	1	2	3	12	10	13	17	20	11	4	2	1	0	0	1	1	1	7.4	19.6
23-Feb-05	1	A	1	0	0	0	1	1	2	2	8	18	33	C	N	35	22	31	21	14	9	1	1	8	10.0	35.1
24-Feb-05	15	20	19	3	5	A	1	3	3	6	13	26	24	24	33	C	C	C	A	6	5	3	7	6	11.7	33.1
25-Feb-05	8	2	1	1	1	A	0	1	2	3	14	19	20	27	26	29	33	30	19	22	30	30	27	29	16.3	32.5
26-Feb-05	30	25	16	5	A	2	1	2	3	10	21	21	26	33	29	25	32	27	12	14	1	0	0	0	14.6	32.8
27-Feb-05	3	12	12	A	10	13	0	3	7	9	14	20	23	24	26	19	14	9	7	11	3	2	16	15	11.8	26.1
28-Feb-05	9	12	A	6	11	5	2	1	2	5	8	12	17	20	24	20	13	5	1	0	1	2	4	4	7.9	24.2
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	17.6	21.8	20.2	17.7	15.3	14.4	12.1	10.2	9.6	12.2	18.2	22.1	25.5	26.5	26.9	26.3	24.4	21.1	16.4	13.7	11.9	12.7	13.2	14.2		
Hourly Max	36.9	42.2	42.8	41.2	39.1	39.1	38.2	41.0	40.3	40.4	39.5	38.3	35.7	37.8	38.9	38.4	38.5	37.9	35.5	35.4	35.6	31.8	35.7	35.9		

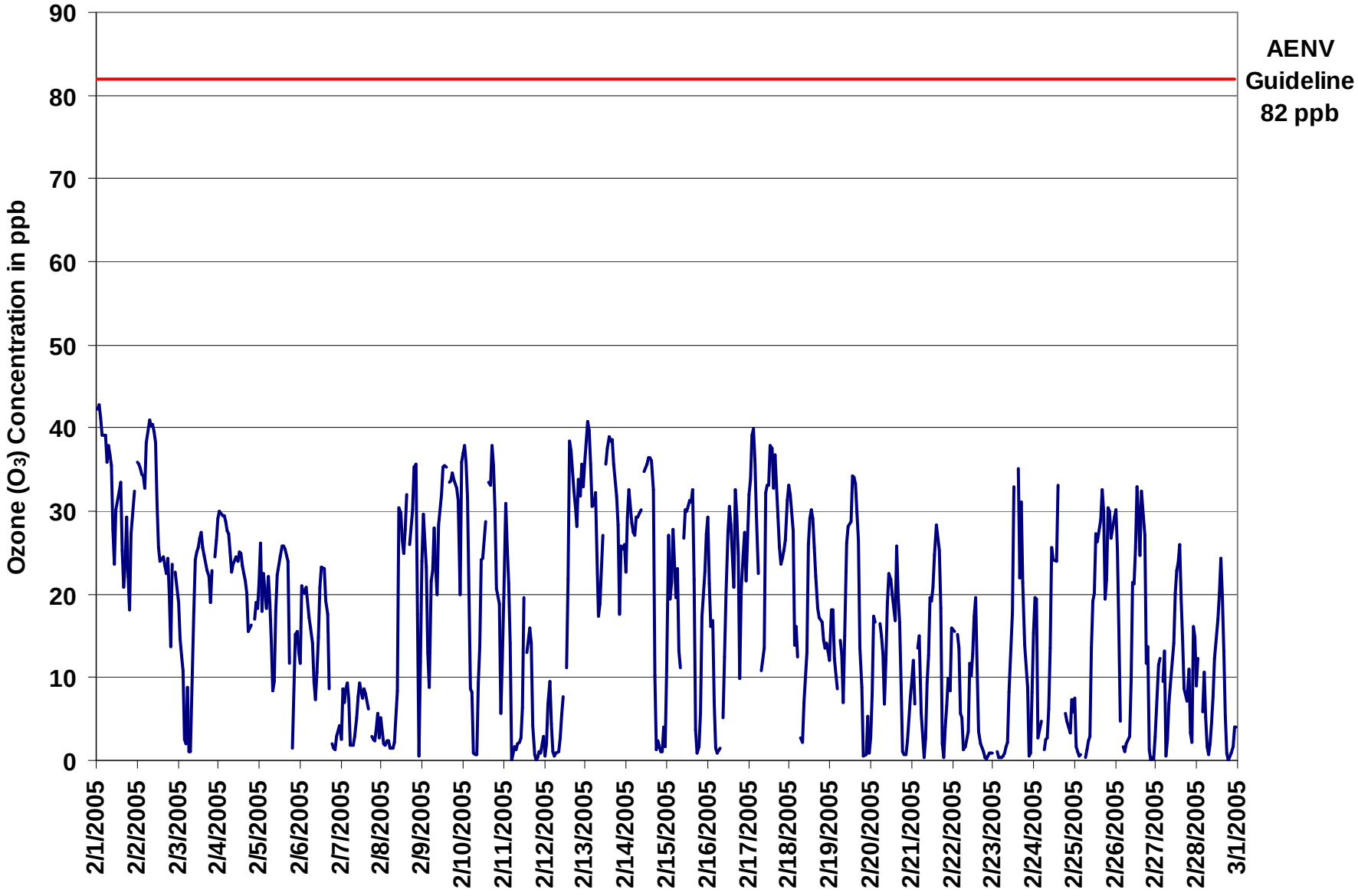


Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	44.1	ppb	1-Feb	2:00 3:00
Maximum 24-hr Value:	37.4	ppb	1-Feb	

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

Percentile	99	95	75	50	25	5	1	Average
	42	41	33	25	12	3	1	22.8 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	44	44	43	41	41	38	40	40	42	34	31	35	39	39	32	26	36	36	38	33	35	36	A	37.4	44.1
2-Feb-05	37	37	36	36	36	37	42	42	42	42	42	42	39	28	27	28	26	26	26	25	24	26	A	26	33.6	42.4
3-Feb-05	26	25	18	14	10	8	18	6	2	24	26	27	27	28	29	28	26	26	25	24	25	A	27	29	21.7	29.0
4-Feb-05	31	32	31	31	30	30	30	28	26	26	26	26	27	27	25	26	24	23	20	22	A	21	23	23	26.5	31.7
5-Feb-05	27	28	26	25	23	25	24	20	13	19	23	24	26	27	28	27	26	27	20	A	7	20	21	18	22.7	28.2
6-Feb-05	23	24	22	23	23	21	19	17	13	9	15	19	24	26	24	22	20	19	A	3	2	2	7	7	16.7	26.1
7-Feb-05	6	15	10	11	12	12	3	3	5	7	10	10	9	9	10	10	10	A	4	3	4	13	15	6	8.6	15.1
8-Feb-05	8	5	6	4	3	4	4	4	4	30	36	34	32	32	33	36	A	32	34	38	39	35	9	23	21.1	39.1
9-Feb-05	37	38	41	23	22	36	29	33	29	33	33	38	36	37	37	A	36	36	37	36	36	35	28	41	34.1	41.3
10-Feb-05	42	42	40	40	20	18	3	3	2	32	20	37	34	36	A	38	40	40	39	38	29	31	12	21	28.5	41.8
11-Feb-05	33	37	31	32	31	1	8	4	4	4	7	14	29	A	17	22	23	10	3	1	2	4	3	16	14.5	36.9
12-Feb-05	5	5	17	17	14	5	2	4	3	5	8	10	A	14	32	43	42	39	38	36	38	36	38	37	21.1	42.8
13-Feb-05	42	42	42	42	33	32	34	33	24	25	34	A	38	40	41	42	40	39	34	36	27	29	33	32	35.3	42.2
14-Feb-05	28	33	35	29	29	29	31	31	31	33	A	37	37	38	38	37	37	28	4	13	2	7	13	9	26.5	38.4
15-Feb-05	25	32	29	30	32	32	36	29	21	A	34	34	33	35	37	37	28	10	4	10	28	29	30	36	28.2	37.3
16-Feb-05	35	30	32	26	14	6	2	4	A	7	16	24	32	34	31	27	39	37	30	25	32	32	35	36	25.5	38.5
17-Feb-05	38	37	41	42	41	37	33	A	21	22	36	36	38	40	41	41	41	37	29	26	28	28	29	34	34.5	41.5
18-Feb-05	35	35	33	21	24	27	A	10	5	13	19	32	31	32	33	29	26	25	22	21	21	22	25	20	24.4	35.1
19-Feb-05	25	23	24	19	15	A	18	18	11	18	30	30	31	37	37	35	34	34	21	23	2	3	9	4	21.8	37.5
20-Feb-05	9	13	21	21	A	22	19	19	10	19	21	25	24	22	23	32	28	20	18	4	2	4	6	11	17.2	31.5
21-Feb-05	16	17	14	A	18	18	13	3	6	15	15	23	22	25	26	31	29	24	10	7	8	12	14	15	16.6	30.8
22-Feb-05	20	20	A	18	19	13	16	11	3	7	17	13	18	23	24	22	7	4	7	2	1	3	3	6	12.0	24.2
23-Feb-05	3	A	6	1	2	2	2	3	4	3	16	30	41	C	N	43	42	37	36	29	27	2	2	17	16.6	42.8
24-Feb-05	29	30	31	16	19	A	3	5	5	14	17	31	30	28	41	C	C	C	A	14	12	6	17	13	19.1	41.0
25-Feb-05	17	4	2	2	3	A	1	4	5	7	26	24	29	32	32	37	37	40	31	33	34	32	31	36	21.8	40.4
26-Feb-05	37	30	28	11	A	9	6	8	6	27	27	27	28	42	35	30	40	37	17	19	8	2	1	3	20.7	41.9
27-Feb-05	12	16	17	A	15	23	3	11	11	13	19	25	26	27	29	26	17	14	19	25	7	11	25	21	17.9	29.3
28-Feb-05	15	23	A	13	17	11	5	2	4	7	10	17	20	23	28	28	19	12	3	1	4	7	12	12	12.7	28.5
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	24.4	26.5	26.0	22.5	20.9	19.9	16.4	14.6	12.9	18.7	22.8	26.7	29.5	30.1	30.8	31.0	29.3	27.4	21.8	20.5	17.9	18.0	18.6	20.4		
Hourly Max	41.8	44.0	44.1	43.0	41.2	40.5	42.4	42.4	42.4	42.4	41.6	42.4	40.8	41.9	41.0	42.8	42.1	40.4	38.6	38.3	39.1	35.8	37.8	40.7		

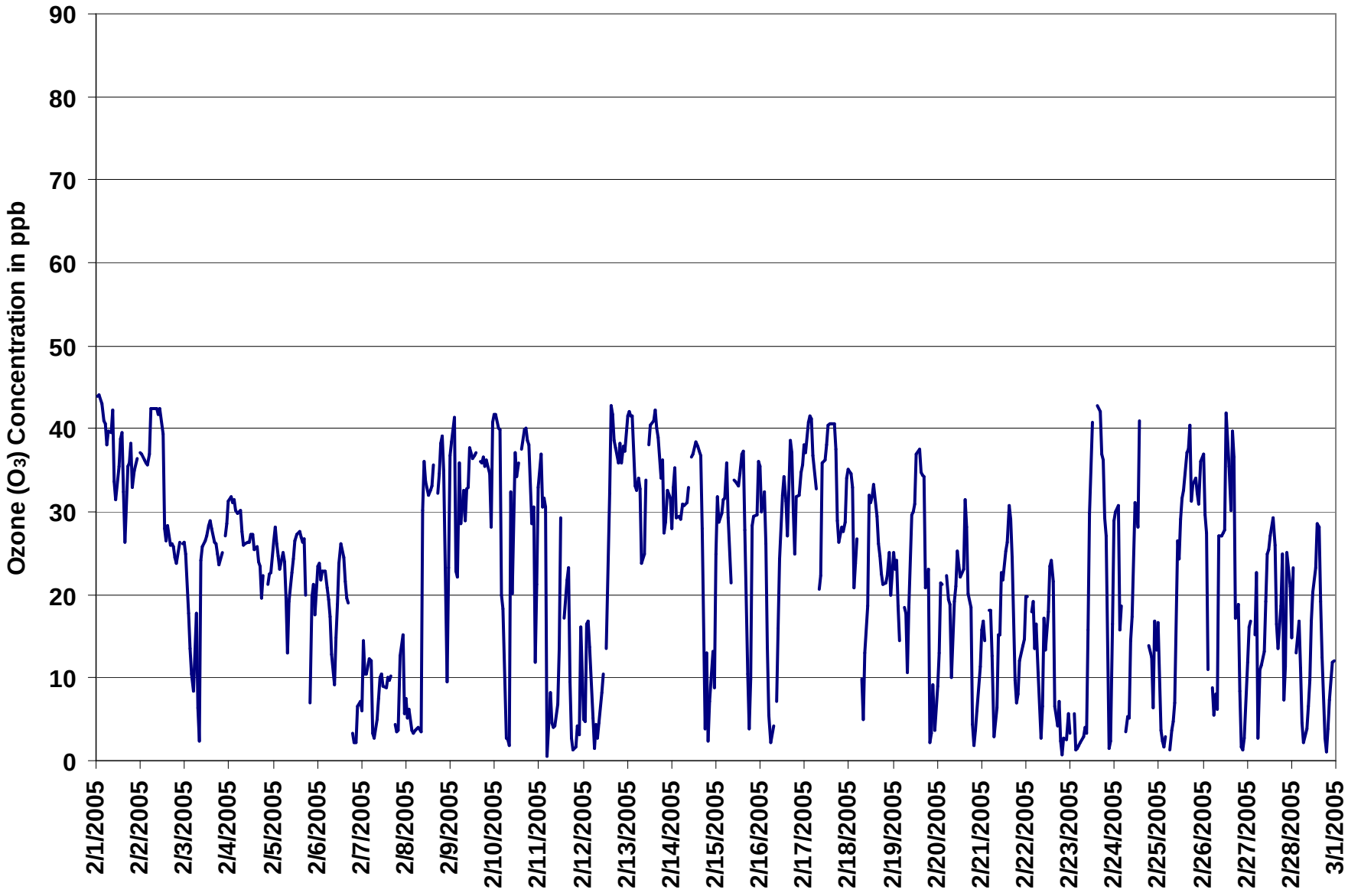


Figure 8. PASZA - Henry Pirker Ozone 1-hr Maximum Value Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O_3)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	39.7	ppb	1-Feb	7:00 8:00

Guideline Limit: Canada Wide Standard — 8-hr 65 ppb

Percentile	99	95	75	50	25	5	1
	36.9	33.6	25.7	17.4	9.3	3.2	0.7

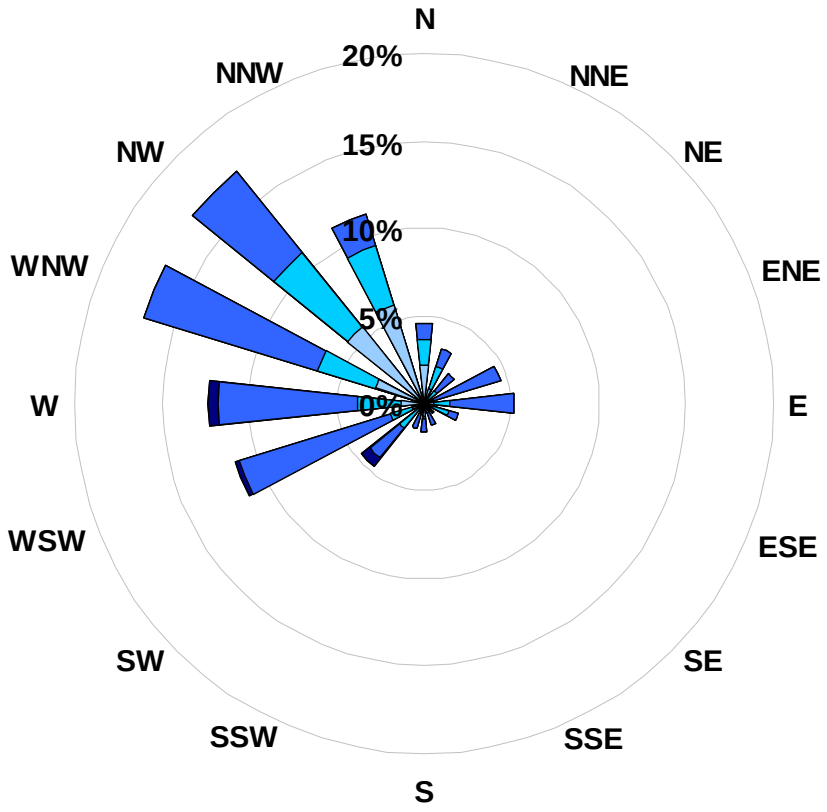
Status Flag Characters

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-Feb-05	A	15	19	23	26	31	36	40	39	39	37	34	33	32	32	31	29	27	27	27	26	25	25	25	29.5	39.7
2-Feb-05	27	29	29	31	34	34	35	36	36	37	38	38	38	37	35	33	31	29	27	24	22	22	22	21	31.0	38.1
3-Feb-05	21	20	18	17	15	12	12	9	7	7	9	10	13	16	19	22	25	25	25	24	24	24	23	23	17.4	25.3
4-Feb-05	24	25	26	27	28	28	29	28	28	27	26	25	25	25	24	24	24	23	22	21	21	20	19	18	24.4	28.5
5-Feb-05	18	19	19	20	20	21	21	20	19	17	17	17	17	18	19	20	22	24	23	23	20	18	17	15	19.3	23.8
6-Feb-05	13	13	14	15	17	17	18	18	17	16	14	14	14	15	15	16	17	17	18	16	14	10	8	5	14.6	18.2
7-Feb-05	3	3	4	5	6	6	6	6	6	5	6	6	6	6	6	7	8	8	7	6	5	5	5	4	5.6	8.0
8-Feb-05	4	3	3	3	3	3	2	2	2	3	6	10	13	16	19	23	26	28	28	29	30	29	25	22	13.9	30.2
9-Feb-05	23	23	22	19	16	17	19	21	21	20	21	23	26	28	30	30	31	33	34	35	34	34	31	32	26.0	34.5
10-Feb-05	32	33	33	33	30	27	24	20	16	12	9	8	10	13	15	19	24	28	31	32	31	30	27	24	23.4	33.1
11-Feb-05	23	22	20	19	19	16	16	14	12	9	6	4	4	5	7	9	11	11	11	10	7	6	5	3	11.1	22.6
12-Feb-05	1	1	2	3	4	4	3	3	3	3	3	3	3	4	7	13	18	22	26	29	29	32	33	33	11.7	33.5
13-Feb-05	33	34	35	36	35	35	35	34	31	29	27	26	27	28	29	31	34	36	37	36	33	32	30	29	32.0	36.6
14-Feb-05	27	26	26	26	27	27	28	28	29	29	29	30	31	32	33	34	35	32	28	24	20	15	11	7	26.4	34.6
15-Feb-05	4	6	8	11	14	16	19	20	20	19	20	22	22	24	25	28	29	26	23	19	16	14	13	13	18.0	29.1
16-Feb-05	14	16	18	20	20	18	15	12	9	7	6	7	10	14	18	21	22	25	27	26	25	24	24	24	17.4	26.8
17-Feb-05	24	24	26	30	32	32	32	33	30	27	26	25	25	26	28	29	32	34	33	32	31	29	28	28	29.1	34.1
18-Feb-05	27	28	28	27	26	24	24	20	15	12	10	11	13	16	17	20	23	24	25	24	22	20	18	16	20.3	27.9
19-Feb-05	15	15	15	14	14	14	14	14	13	13	14	16	19	21	23	26	29	30	29	26	23	18	15	11	18.3	30.1
20-Feb-05	7	5	6	7	7	10	11	13	13	14	14	15	16	16	16	18	20	20	19	16	14	11	10	7	12.7	20.3
21-Feb-05	6	5	5	6	8	10	10	9	8	8	8	10	11	11	14	17	20	21	20	17	15	14	12	9	11.4	21.1
22-Feb-05	8	8	9	11	12	12	11	10	8	7	7	7	7	8	10	11	11	11	10	8	7	5	2	1	8.4	12.1
23-Feb-05	1	1	1	1	1	1	1	1	1	1	2	4	8	9	N	N	N	N	N	N	N	19	17	13	N	19.0
24-Feb-05	13	11	11	9	9	10	10	9	8	6	5	8	11	12	16	18	N	N	N	N	N	N	N	N	N	18.4
25-Feb-05	N	5	5	4	4	4	3	2	1	1	3	6	9	11	14	18	21	25	25	26	27	27	27	28	12.8	27.5
26-Feb-05	27	27	26	24	23	19	15	12	8	5	6	9	11	15	18	21	25	27	26	25	22	18	14	11	18.0	27.2
27-Feb-05	7	5	5	4	5	7	7	7	8	8	8	9	11	12	16	18	19	19	18	17	14	11	10	10	10.7	18.7
28-Feb-05	9	9	10	9	10	11	8	6	5	4	5	6	6	8	11	13	15	15	14	13	11	8	6	4	9.0	14.9
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	15.8	15.4	15.8	16.2	16.6	16.6	16.6	16.0	14.8	13.7	13.6	14.4	15.6	17.0	19.1	21.0	23.0	23.9	23.5	22.5	20.8	19.3	17.6	16.2		
Hourly Max	32.6	33.7	34.8	35.8	35.4	35.2	35.9	39.7	39.3	38.5	37.6	38.1	37.7	36.8	35.0	34.2	34.6	35.9	36.6	35.6	34.2	33.6	33.5	32.8		

Concentration Rose for the 1-hr O_3 Average Concentration Occurrences at the Henry Pirker Site for February 2005



Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
0	<	2	86
2	to	10	127
10	to	20	135
20	to	40	282
40	to	82	7
	>	82	0
Total Non-Zero Values			637

Calms	
Range	
ppb	
2-10	0.0%
10-20	0.0%
20-40	0.0%
40-82	0.0%
>82	0.0%

PASZA - Henry Pirker Carbon Monoxide Monthly Summary

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

Station: Henry Pirker

Station Owner: PASZA

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	4.45	ppm	11-Feb	9:00 10:00
Maximum 24-hr Average:	0.99	ppm	11-Feb	

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

AIC Time:	30 hrs			Operational Time:			637 hrs	
Calibration Time:	4 hrs			AMD Operational Uptime:			99.9%	
Percentile	99	95	75	50	25	5	1	Average
	2.0	1.0	0.4	0.3	0.2	0.1	0.1	0.4 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	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	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2	A	0.24	0.41
2-Feb-05	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	0.2	A	0.2	0.19	0.27
3-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.2	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.28	1.25
4-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	A	0.2	0.2	0.2	0.24	0.40
5-Feb-05	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	A	0.4	0.2	0.2	0.2	0.20	0.37
6-Feb-05	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	A	0.7	0.4	0.2	0.2	0.1	0.23	0.68
7-Feb-05	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.3	0.3	0.4	0.6	1.2	1.2	0.9	0.9	0.8	A	0.7	0.6	0.6	1.4	1.3	1.2	0.57	1.36
8-Feb-05	1.8	0.9	0.7	0.9	0.9	0.7	0.5	0.5	1.3	1.0	0.2	0.2	0.3	0.3	0.3	0.2	A	0.3	0.2	0.2	0.2	0.3	0.6	0.3	0.55	1.77
9-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.24
10-Feb-05	0.2	0.1	0.2	0.1	0.2	0.3	1.0	0.8	0.9	0.7	0.4	0.3	0.3	0.3	A	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	0.3	0.37	1.02
11-Feb-05	0.2	0.1	0.2	0.2	0.2	0.6	0.9	2.1	3.7	4.5	2.4	1.7	0.5	A	0.7	0.6	0.5	0.6	0.9	0.8	0.6	0.4	0.4	0.2	0.99	4.45
12-Feb-05	0.4	0.3	0.2	0.2	0.3	0.3	0.6	1.0	1.0	1.4	0.7	0.7	A	0.8	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.43	1.39
13-Feb-05	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	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	0.18	0.28
14-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	A	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.9	1.2	0.5	0.4	0.5	0.31	1.17
15-Feb-05	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	A	0.2	0.3	0.3	0.2	0.2	0.2	0.3	1.1	1.0	0.4	0.4	0.2	0.1	0.1	0.31	1.11
16-Feb-05	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.6	A	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.6	0.4	0.2	0.2	0.2	0.25	0.61
17-Feb-05	0.2	0.2	0.1	0.1	0.2	0.2	0.2	A	0.3	0.4	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.24	0.36
18-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	A	0.6	0.6	0.7	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.29	0.66
19-Feb-05	0.3	0.2	0.2	0.2	0.2	A	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.4	0.6	0.30	0.57
20-Feb-05	0.4	0.3	0.2	0.2	A	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.5	0.6	0.9	0.7	0.4	0.4	0.3	0.36	0.90
21-Feb-05	0.3	0.3	0.3	A	0.3	0.2	0.3	0.5	0.7	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.36	0.67
22-Feb-05	0.2	0.2	A	0.2	0.2	0.2	0.2	1.0	2.1	0.8	0.4	0.7	0.6	0.5	0.4	0.6	0.9	1.0	1.2	0.8	0.4	0.5	0.4	0.3	0.61	2.09
23-Feb-05	0.4	A	0.3	0.4	0.6	0.9	1.1	1.2	0.9	0.7	C	C	0.2	0.3	N	0.2	0.2	0.2	0.4	0.5	0.7	0.9	0.9	0.4	0.57	1.22
24-Feb-05	0.3	0.2	0.2	0.3	0.3	A	1.0	1.9	2.8	0.7	0.5	0.4	0.5	0.5	C	C	A	0.7	0.5	0.4	0.5	0.5	0.3	0.3	0.63	2.80
25-Feb-05	0.3	0.4	0.4	0.3	0.4	A	0.5	1.3	2.2	1.3	0.4	0.3	0.5	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.51	2.20
26-Feb-05	0.3	0.3	0.3	0.3	A	0.4	0.4	0.5	0.7	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.4	0.3	0.39	0.73
27-Feb-05	0.4	0.3	0.2	A	0.2	0.2	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.35	0.53
28-Feb-05	0.3	0.3	A	0.3	0.3	0.4	0.5	0.8	0.9	0.8	0.6	0.6	0.5	0.4	0.3	0.5	0.5	0.8	0.7	0.7	0.5	0.5	0.3	0.3	0.51	0.87
																									N	0.00
																									N	0.00
																									N	0.00
Hourly Avg	0.29	0.22	0.22	0.22	0.24	0.28	0.39	0.63	0.82	0.66	0.41	0.38	0.34	0.32	0.30	0.31	0.32	0.39	0.43	0.43	0.41	0.37	0.35	0.30		
Hourly Max	1.77	0.93	0.68	0.88	0.94	0.87	1.05	2.06	3.74	4.45	2.38	1.65	1.24	1.16	0.86	0.86	0.88	1.11	1.23	0.92	1.17	1.36	1.35	1.22		

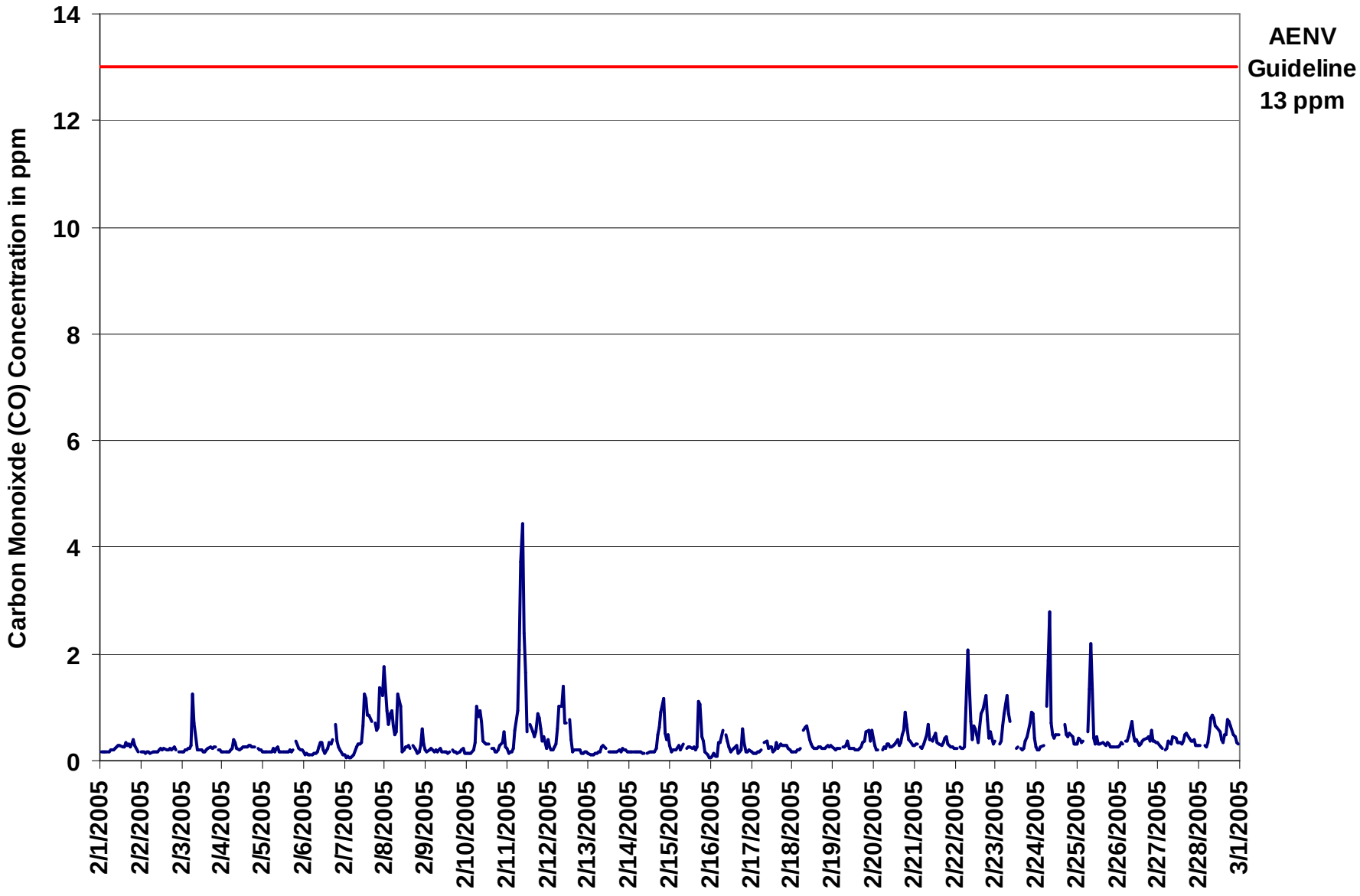


Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Carbon Monoxide (CO)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	8.1	ppm	11-Feb	9:00 10:00
Maximum 24-hr Value:	2.2	ppm	11-Feb	

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

Percentile	99	95	75	50	25	5	1	Average
	4.9	2.2	0.8	0.4	0.3	0.2	0.2	0.8 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.4	0.6	0.4	0.5	0.4	0.6	0.8	0.5	0.3	A	0.38	0.78
2-Feb-05	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.4	0.3	A	0.2	0.32	0.53
3-Feb-05	0.3	0.3	0.3	0.3	0.3	0.3	0.5	6.7	1.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.8	0.4	0.6	A	0.3	0.3	0.70	6.67
4-Feb-05	0.3	0.3	0.3	0.3	0.3	0.9	0.7	1.4	1.1	0.4	0.4	0.5	0.4	1.1	0.4	0.4	0.4	0.4	0.4	0.6	A	0.4	0.3	0.3	0.52	1.37
5-Feb-05	0.3	0.3	0.3	0.3	0.3	0.3	1.3	0.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.7	0.2	0.4	A	0.9	0.3	0.3	0.4	0.39	1.35
6-Feb-05	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.3	0.5	0.7	0.6	A	1.7	0.6	0.4	0.4	0.2	0.41	1.72
7-Feb-05	0.2	0.1	0.3	0.1	0.1	0.3	0.3	0.7	0.9	0.7	0.6	1.1	1.6	1.4	1.3	1.9	1.7	A	1.4	1.0	1.7	2.6	2.0	1.9	1.03	2.57
8-Feb-05	2.2	2.3	1.0	1.2	1.7	2.7	2.7	2.2	2.4	3.0	0.3	0.3	0.5	0.5	0.4	0.4	A	0.4	0.3	0.2	0.3	0.4	0.9	0.6	1.17	3.00
9-Feb-05	0.5	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	A	0.3	0.3	0.2	0.2	0.3	0.3	0.5	0.3	0.31	0.50
10-Feb-05	0.3	0.2	0.3	0.2	0.6	0.9	2.8	1.5	1.8	2.4	0.6	0.7	0.7	0.6	A	0.3	0.4	0.3	0.3	0.3	0.8	0.6	1.6	0.4	0.80	2.76
11-Feb-05	0.5	0.3	0.3	0.3	0.5	0.8	2.9	7.0	7.4	8.1	6.3	2.7	1.3	A	1.1	1.2	0.8	0.7	2.0	1.8	1.6	0.8	0.7	0.4	2.16	8.14
12-Feb-05	0.6	0.5	0.4	0.3	1.2	0.5	1.6	4.9	1.5	1.8	1.6	0.9	A	1.1	0.8	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.90	4.94
13-Feb-05	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.4	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.6	0.3	0.31	0.56
14-Feb-05	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.2	A	0.2	0.2	0.2	0.2	0.3	0.3	0.8	1.0	1.6	2.1	0.8	0.9	0.9	0.53	2.14
15-Feb-05	0.6	0.3	0.3	0.3	0.3	0.9	0.4	0.5	0.7	A	0.4	1.1	0.4	0.4	0.5	0.4	0.7	2.5	3.2	1.5	0.7	0.3	0.2	0.2	0.72	3.19
16-Feb-05	0.2	0.2	0.3	0.2	0.2	1.3	1.1	2.1	A	1.6	0.6	0.5	0.3	0.4	0.4	0.5	0.3	0.4	0.4	1.4	1.3	0.3	0.4	0.4	0.64	2.14
17-Feb-05	0.3	0.2	0.2	0.2	0.3	0.3	0.3	A	0.5	0.5	0.3	0.4	0.4	0.3	0.3	0.7	0.5	0.8	1.0	0.6	0.4	0.4	0.4	0.4	0.42	0.96
18-Feb-05	0.3	0.3	0.4	0.3	0.3	0.4	A	1.7	1.3	1.1	1.1	0.9	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.5	0.4	0.4	0.4	0.56	1.71
19-Feb-05	0.4	0.4	0.3	0.3	0.3	A	0.7	0.4	0.4	1.1	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.8	1.3	0.6	0.8	0.51	1.30
20-Feb-05	0.7	0.9	0.3	0.3	A	0.3	1.1	0.3	0.9	0.6	0.4	0.4	0.4	0.4	0.7	0.4	0.6	1.0	1.1	1.9	1.2	0.6	0.6	0.9	0.70	1.94
21-Feb-05	0.5	0.5	0.4	A	0.4	0.4	0.4	0.9	1.4	0.9	0.7	0.6	0.6	1.6	0.5	0.5	0.5	1.3	0.8	1.2	0.6	0.4	0.4	0.4	0.68	1.59
22-Feb-05	0.3	0.3	A	0.4	0.3	0.3	0.4	2.7	3.7	2.1	0.5	1.0	0.8	0.7	0.5	1.1	1.3	2.0	2.8	1.4	0.8	1.6	0.7	1.7	1.20	3.71
23-Feb-05	0.5	A	0.6	0.6	1.7	1.6	2.5	3.7	2.0	1.2	C	C	0.4	0.4	N	0.5	0.3	0.4	1.0	1.3	2.0	2.3	1.6	0.9	1.27	3.66
24-Feb-05	0.5	0.3	0.4	0.3	0.4	A	2.0	5.2	4.7	4.4	0.7	0.8	0.9	0.6	C	C	A	1.3	0.7	0.7	2.6	1.1	0.4	0.6	1.44	5.23
25-Feb-05	0.5	0.6	0.6	0.6	0.6	A	1.1	3.4	4.2	2.6	0.8	0.5	0.9	0.4	0.5	0.5	0.6	0.4	0.5	0.6	0.3	0.3	0.4	0.4	0.92	4.18
26-Feb-05	0.4	0.4	0.5	0.5	A	0.9	1.1	1.1	1.4	0.8	0.5	0.5	0.5	0.4	0.5	0.8	0.9	1.5	0.7	0.7	0.9	0.8	0.7	0.5	0.74	1.52
27-Feb-05	0.9	0.4	0.4	A	0.3	0.4	0.7	1.1	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.8	1.0	0.8	0.6	0.6	0.8	0.5	0.5	0.4	0.59	1.13
28-Feb-05	0.4	0.6	A	0.4	0.4	1.2	1.4	1.5	1.9	1.1	0.9	0.8	0.7	0.6	0.4	1.2	0.9	1.0	1.5	1.0	0.6	1.0	0.4	0.4	0.88	1.94
																									N	0.00
																									N	0.00
																									N	0.00
Hourly Avg	0.47	0.41	0.36	0.33	0.47	0.66	1.02	1.89	1.57	1.41	0.77	0.65	0.54	0.53	0.48	0.58	0.60	0.74	0.86	0.86	0.89	0.72	0.61	0.55		
Hourly Max	2.22	2.31	0.97	1.16	1.70	2.72	2.93	7.01	7.43	8.14	6.34	2.72	1.56	1.59	1.27	1.92	1.74	2.47	3.19	1.94	2.63	2.57	1.98	1.86		

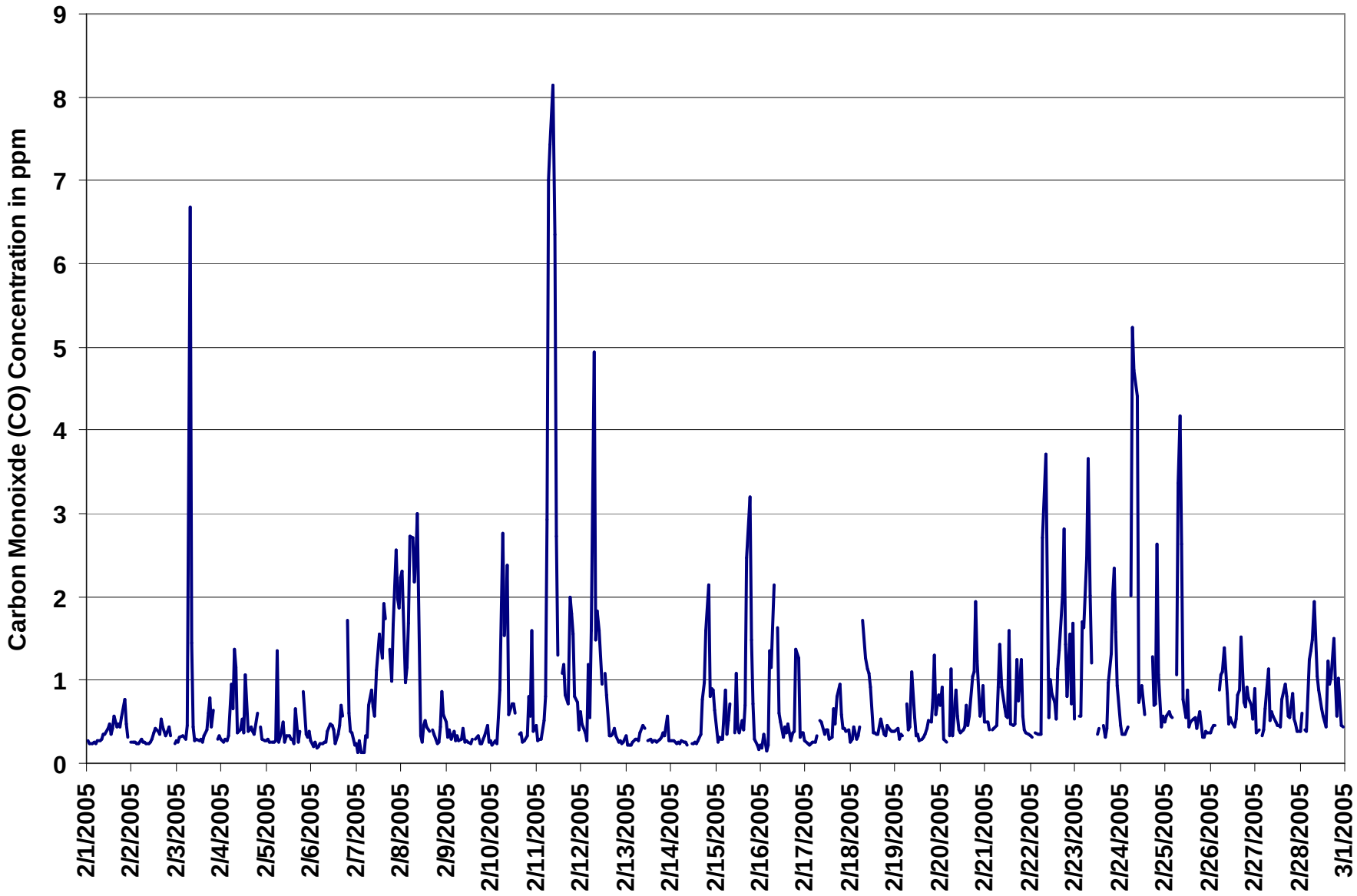


Figure 10. PASZA - Henry Pirker Carbon Monoxide 1-hr Maximum Value Monthly Trend

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

Station: Henry Pirker

Station Owner: PASZA

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	2.25	ppm	11-Feb	13:00 14:00

Guideline Limit: Alberta Environment: 8-hr 5 ppm

Percentile	99	95	75	50	25	5	1
	1.53	0.87	0.43	0.28	0.21	0.16	0.13

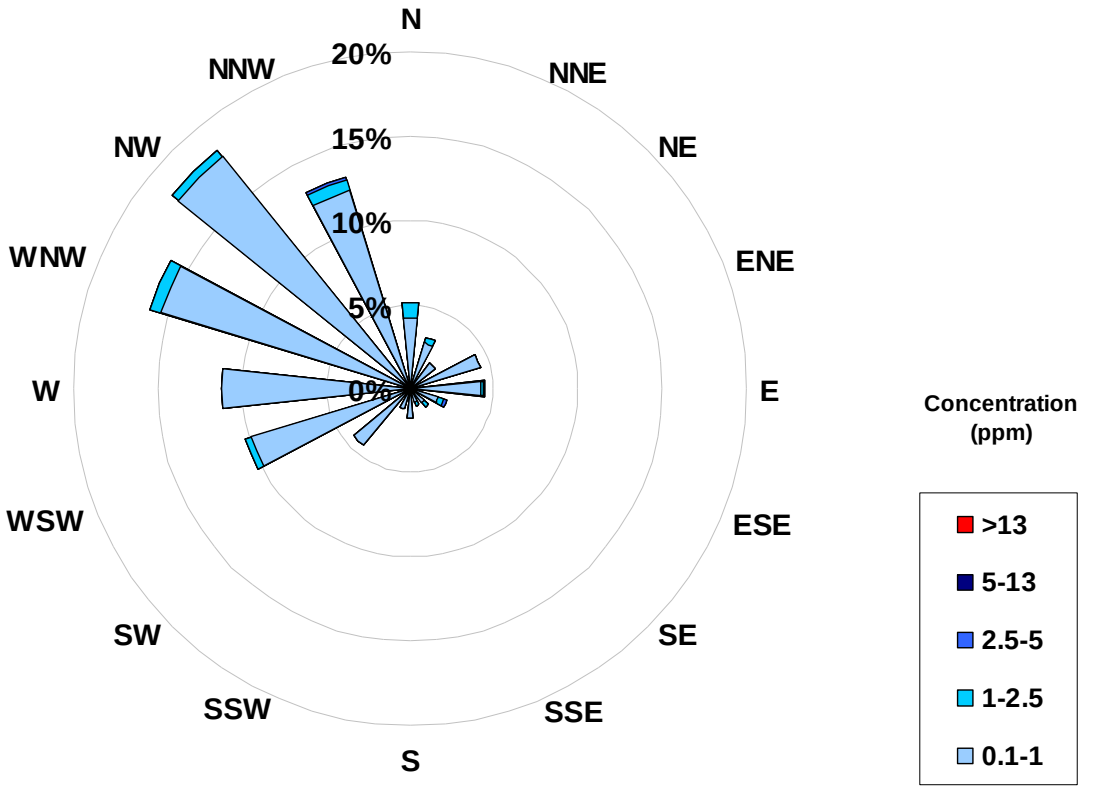
Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	0.4	0.4	0.4	0.3	0.3	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	0.3	0.3	0.3	0.3	0.3	0.27	0.40
2-Feb-05	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	0.2	0.20	0.28
3-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.27	0.41
4-Feb-05	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	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.24	0.27
5-Feb-05	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	0.19	0.23
6-Feb-05	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.23	0.37
7-Feb-05	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.47	0.94
8-Feb-05	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.64	1.14
9-Feb-05	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.28
10-Feb-05	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.35	0.62
11-Feb-05	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	1.0	1.5	1.8	2.0	2.0	2.2	2.2	2.0	1.5	1.0	0.8	0.6	0.6	0.6	0.6	0.5	0.99	2.25
12-Feb-05	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9	0.9	0.7	0.6	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.48	0.90
13-Feb-05	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.21
14-Feb-05	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	0.6	0.6	0.25	0.60
15-Feb-05	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.5	0.4	0.36	0.61
16-Feb-05	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.25	0.42
17-Feb-05	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.23	0.28
18-Feb-05	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.29	0.44
19-Feb-05	0.3	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	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.26	0.40
20-Feb-05	0.4	0.4	0.4	0.4	0.4	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	0.4	0.4	0.5	0.5	0.5	0.5	0.35	0.51
21-Feb-05	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.38	0.50
22-Feb-05	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.6	0.7	0.6	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.56	0.79
23-Feb-05	0.6	0.6	0.5	0.4	0.4	0.5	0.6	0.7	0.8	0.8	0.8	N	N	N	N	N	N	N	N	0.3	0.4	0.4	0.5	0.5	N	0.83
24-Feb-05	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.6	1.0	1.0	1.1	1.1	1.1	1.0	1.0	N	N	N	N	N	N	N	N	0.5	N	1.12
25-Feb-05	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.54	0.95
26-Feb-05	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.37	0.45
27-Feb-05	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.36	0.41
28-Feb-05	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.49	0.65
																									N	0.00
																									N	0.00
																									N	0.00
Hourly Avg	0.37	0.35	0.32	0.30	0.28	0.27	0.27	0.32	0.39	0.44	0.46	0.47	0.48	0.49	0.49	0.43	0.38	0.35	0.35	0.35	0.36	0.37	0.37	0.37		
Hourly Max	1.08	1.06	1.06	1.10	1.14	1.05	0.94	0.86	1.00	1.54	1.81	2.00	2.04	2.25	2.21	2.00	1.53	0.97	0.89	0.88	0.79	0.82	0.89	0.94		

Concentration Rose for the 1-hr CO Average Concentration Occurrences at the Henry Pirker Site for February 2005



Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0	<	0.1	10
0.1	to	1	596
1	to	2.5	28
2.5	to	5	3
5	to	13	0
	>	13	0
Total Non-Zero Values			637

Calms	
Range	
ppm	
0.1-1	0.0%
1-2.5	0.0%
2.5-5	0.0%
5-13	0.0%
>13	0.0%

PASZA - Henry Pirker Total Hydrocarbon Monthly Summary

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Total HydroCarbons (THC)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	3.9	ppm	24-Feb	8:00 9:00
Maximum 24-hr Average:	3.1	ppm	7-Feb	

Guideline Limit: Alberta Environment: 1-hr na ppm | 24-hr na ppm

AIC Time:	31 hrs	Operational Time:	635 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	3.6	3.2	2.5	2.2	2.1	2.0	1.9	2.4 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.0	2.1	2.1	2.0	1.9	A	2.05	2.17
2-Feb-05	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	A	2.0	2.05	2.17
3-Feb-05	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.4	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.1	A	2.1	2.1	2.12	2.42
4-Feb-05	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	A	2.1	2.1	2.1	2.10	2.13
5-Feb-05	2.1	2.2	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	A	2.2	2.1	2.1	2.1	2.13	2.20
6-Feb-05	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.3	2.2	2.3	A	2.5	2.4	2.4	2.6	2.7	2.29	2.70
7-Feb-05	2.7	2.7	2.9	2.8	2.9	3.1	3.1	3.1	3.3	3.3	3.2	3.3	3.5	3.5	3.1	3.1	3.0	A	3.1	3.1	3.1	3.6	3.4	3.2	3.13	3.62
8-Feb-05	3.6	3.0	3.1	3.1	3.2	3.1	2.9	2.9	3.0	2.7	2.0	2.0	2.1	2.1	2.1	2.0	A	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.49	3.63
9-Feb-05	2.1	2.0	2.0	2.1	2.0	2.0	1.9	1.9	2.0	2.0	1.9	2.0	2.0	1.9	1.9	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.99	2.11
10-Feb-05	2.0	2.0	2.0	2.0	2.1	2.3	2.6	2.5	2.5	2.3	2.1	2.2	2.1	2.1	A	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.3	2.1	2.14	2.60
11-Feb-05	2.1	2.0	2.0	2.1	2.2	2.6	2.5	3.0	3.3	3.8	2.9	2.8	2.3	A	2.3	2.2	2.2	2.4	2.7	2.7	2.5	2.3	2.5	2.5	2.52	3.75
12-Feb-05	2.5	2.5	2.5	2.7	2.7	2.8	3.1	3.3	3.2	3.4	3.0	3.0	A	3.0	2.5	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.52	3.44
13-Feb-05	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	A	2.0	2.0	1.9	2.0	1.9	1.9	2.0	2.0	2.0	1.9	2.0	2.0	1.99	2.12
14-Feb-05	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	A	2.0	2.0	1.9	2.0	1.9	1.9	2.1	2.2	2.4	2.5	2.3	2.3	2.3	2.09	2.54
15-Feb-05	2.2	2.0	2.1	2.1	2.2	2.3	2.1	2.1	2.1	A	2.0	2.1	2.1	2.1	2.0	2.1	2.1	2.5	2.5	2.3	2.3	2.2	2.1	2.1	2.15	2.52
16-Feb-05	2.1	2.2	2.2	2.2	2.3	2.5	2.5	2.4	A	2.7	2.6	2.6	2.5	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.1	2.0	2.1	2.1	2.27	2.73
17-Feb-05	2.1	2.0	2.0	2.1	2.0	2.1	2.1	A	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.10	2.17
18-Feb-05	2.1	2.1	2.1	2.2	2.2	2.2	A	2.3	2.3	2.6	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.2	2.2	2.3	2.20	2.59
19-Feb-05	2.3	2.4	2.4	2.4	2.5	A	2.5	2.6	2.5	2.5	2.3	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.4	2.3	2.2	2.6	2.31	2.55
20-Feb-05	2.4	2.4	2.5	2.4	A	2.5	2.7	2.8	2.9	2.9	2.9	2.7	2.7	2.5	2.4	2.3	2.4	2.5	2.5	2.7	2.7	2.6	2.7	2.6	2.60	2.93
21-Feb-05	2.8	2.8	2.8	A	2.7	2.9	3.0	3.3	3.3	3.1	3.0	3.1	3.0	2.8	2.5	2.4	2.3	2.3	2.5	2.5	2.4	2.5	2.6	2.6	2.75	3.29
22-Feb-05	2.8	2.8	A	3.0	2.9	3.0	3.0	3.3	3.8	3.2	3.0	2.9	2.7	2.5	2.5	2.7	2.9	3.0	3.3	3.1	2.8	2.9	2.9	2.8	2.96	3.85
23-Feb-05	3.1	A	3.1	3.1	3.5	3.9	3.8	3.7	3.2	C	C	C	2.2	2.1	N	2.0	2.0	2.0	2.1	2.1	2.4	2.5	2.6	2.3	2.72	3.93
24-Feb-05	2.2	2.3	2.3	2.4	2.4	A	3.0	3.3	3.9	C	C	A	2.4	2.3	2.1	2.0	2.0	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.49	3.93
25-Feb-05	2.7	2.8	3.0	2.8	3.3	A	2.9	3.4	3.4	A	2.4	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	2.41	3.45
26-Feb-05	2.0	2.1	2.2	2.4	2.8	A	2.3	2.6	2.6	2.4	2.3	2.3	2.2	2.1	2.2	2.2	2.1	2.1	2.2	2.3	2.4	2.3	2.5	2.4	2.31	2.81
27-Feb-05	2.4	2.4	2.5	2.5	A	2.6	2.7	2.6	3.0	3.0	2.8	2.6	2.6	2.5	2.3	2.4	2.5	2.4	2.4	2.5	2.4	2.5	2.6	2.7	2.57	2.97
28-Feb-05	2.8	2.8	3.2	A	3.0	3.1	3.3	3.3	3.5	3.4	3.1	2.9	2.4	2.4	2.3	2.4	2.3	2.4	2.6	2.5	2.5	2.5	2.5	2.5	2.77	3.45
																									N	0.00
																									N	0.00
																									N	0.00
Hourly Avg	2.34	2.27	2.33	2.34	2.45	2.48	2.54	2.65	2.71	2.60	2.43	2.40	2.30	2.27	2.22	2.20	2.19	2.19	2.27	2.30	2.31	2.30	2.34	2.32		
Hourly Max	3.63	2.95	3.17	3.14	3.47	3.93	3.78	3.73	3.93	3.75	3.18	3.27	3.52	3.53	3.13	3.12	3.00	3.01	3.28	3.14	3.09	3.62	3.39	3.21		

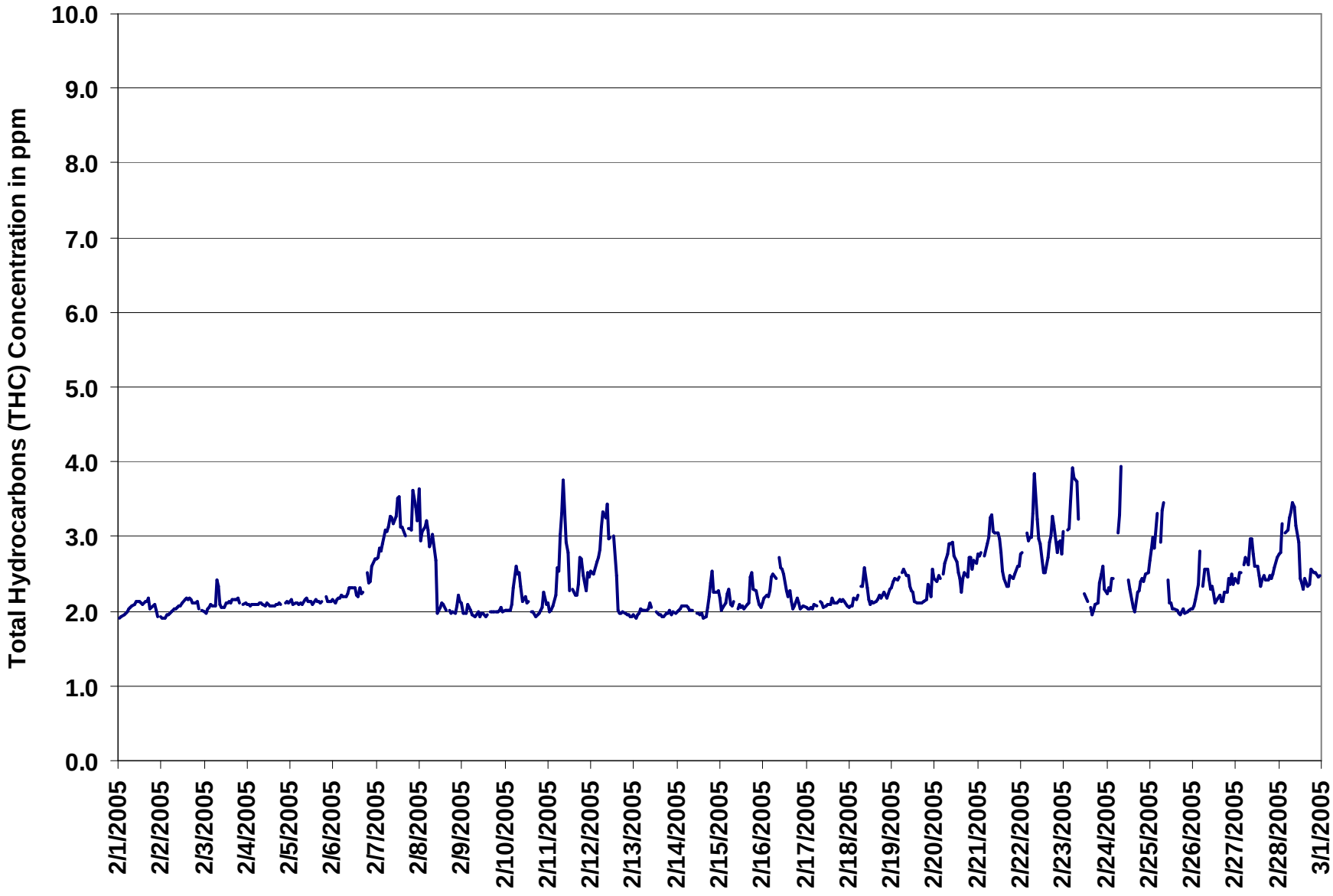


Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Total HydroCarbons (THC)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	7.6	ppm	23-Feb	7:00 8:00
Maximum 24-hr Value:	3.7	ppm	23-Feb	

AIC Time:	31 hrs	Operational Time:	635 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average
	5.6	4.2	2.9	2.4	2.1	2.0	2.0	2.7 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.3	2.1	2.0	A	2.14	2.34
2-Feb-05	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	A	2.1	2.10	2.24
3-Feb-05	2.0	2.0	2.1	2.1	2.2	2.2	2.3	3.7	2.6	2.3	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	A	2.1	2.2	2.26	3.71
4-Feb-05	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.5	2.2	2.2	2.1	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.1	2.2	A	2.1	2.2	2.2	2.17	2.46
5-Feb-05	2.2	2.2	2.1	2.1	2.1	2.1	2.4	2.1	2.2	2.4	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.3	A	2.4	2.2	2.2	2.2	2.21	2.41
6-Feb-05	2.3	2.1	2.2	2.2	2.2	2.2	2.3	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.7	2.3	2.3	A	3.2	2.4	2.5	2.8	2.8	2.40	3.21
7-Feb-05	2.8	2.8	3.0	2.9	3.0	3.3	3.1	3.3	3.5	3.4	3.3	3.5	3.7	3.8	3.4	3.5	3.3	A	3.9	3.9	3.6	5.8	4.1	3.7	3.51	5.81
8-Feb-05	4.1	4.0	4.4	3.6	3.6	5.1	3.4	3.5	3.7	3.9	2.1	2.1	2.2	2.2	2.2	2.2	A	2.1	2.0	2.4	2.0	2.6	2.3	2.4	2.96	5.08
9-Feb-05	3.1	2.1	2.1	2.5	2.3	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.11	3.06
10-Feb-05	2.1	2.1	2.1	2.1	2.4	2.5	2.9	2.7	2.8	3.1	2.2	2.6	2.5	2.3	A	2.1	2.1	2.0	2.0	2.1	2.2	2.3	2.7	2.3	2.35	3.10
11-Feb-05	2.4	2.1	2.1	2.2	2.6	2.8	2.8	5.7	4.3	4.6	4.1	3.1	2.7	A	2.5	2.4	2.3	2.6	3.8	4.3	3.7	2.5	2.8	2.7	3.09	5.67
12-Feb-05	2.8	2.8	2.6	2.9	3.5	3.0	4.2	5.6	3.5	4.2	3.3	3.2	A	3.2	3.0	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.88	5.58
13-Feb-05	2.0	1.9	2.0	2.1	2.1	2.0	2.1	2.1	2.1	2.2	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.04	2.18
14-Feb-05	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.0	2.1	A	2.0	2.0	2.0	2.1	1.9	2.0	2.3	2.3	2.7	2.9	2.5	3.0	2.6	2.22	2.96
15-Feb-05	2.5	2.3	2.2	2.2	2.3	2.5	2.3	2.2	2.3	A	2.1	2.2	2.1	2.1	2.1	2.1	2.3	2.7	3.4	2.7	2.5	2.8	2.1	2.1	2.36	3.42
16-Feb-05	2.2	2.3	2.4	2.3	2.4	3.8	3.8	3.0	A	3.0	2.8	2.8	2.6	2.4	2.3	2.4	2.3	2.1	2.2	2.5	2.5	2.1	2.1	2.1	2.54	3.85
17-Feb-05	2.1	2.1	2.1	2.1	2.1	2.2	2.1	A	2.2	2.2	2.1	2.1	2.2	2.1	2.1	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.16	2.27
18-Feb-05	2.1	2.1	2.2	2.6	2.4	2.3	A	2.5	2.6	3.6	2.5	2.3	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.5	2.2	2.5	2.5	2.38	3.62
19-Feb-05	2.7	2.8	3.2	2.9	2.6	A	2.7	2.8	2.6	2.7	2.5	2.3	2.3	2.2	2.2	2.2	2.2	2.6	2.2	2.6	2.8	2.5	2.4	3.5	2.59	3.49
20-Feb-05	3.1	2.7	2.8	2.6	A	2.6	2.9	3.0	3.0	3.1	3.1	2.9	2.8	2.6	2.7	2.4	2.7	2.6	2.6	4.2	4.0	2.8	3.6	2.9	2.94	4.19
21-Feb-05	3.3	3.1	3.2	A	3.2	3.1	3.4	5.0	5.5	3.3	3.1	3.2	3.1	3.5	2.6	2.5	2.4	2.7	3.0	2.9	2.6	2.6	3.1	3.0	3.19	5.54
22-Feb-05	3.0	2.9	A	3.6	3.1	3.0	3.2	3.9	4.9	4.5	3.2	3.2	3.1	2.7	2.6	2.9	3.2	3.3	4.5	4.9	3.4	4.5	3.8	2.9	3.49	4.95
23-Feb-05	5.3	A	4.5	3.7	6.2	5.2	5.6	7.6	4.5	C	C	C	2.5	2.2	N	2.1	2.1	2.1	2.5	2.4	3.0	3.0	3.1	2.7	3.70	7.61
24-Feb-05	3.2	4.0	2.8	3.1	2.7	A	3.9	4.3	6.5	C	C	A	2.8	2.4	2.4	2.2	2.1	2.5	2.4	2.8	3.1	3.1	2.9	3.3	3.11	6.53
25-Feb-05	2.9	3.5	4.5	4.3	6.0	A	3.8	4.7	5.1	A	2.8	2.4	2.3	2.1	2.2	2.2	2.0	2.0	2.1	2.2	2.0	2.0	2.1	2.1	2.96	5.96
26-Feb-05	2.2	2.3	3.1	3.2	4.4	A	3.7	4.2	3.2	2.6	2.4	2.4	2.3	2.2	2.4	2.3	2.3	2.3	2.4	2.3	3.1	3.6	3.2	2.6	2.82	4.36
27-Feb-05	3.1	2.4	2.9	2.8	A	2.8	3.0	2.9	3.2	3.1	2.9	2.7	2.7	2.6	2.4	2.5	2.7	2.9	2.9	2.8	2.6	2.7	2.7	3.0	2.79	3.20
28-Feb-05	2.9	3.1	4.9	A	4.1	3.6	3.5	3.9	4.4	3.5	3.3	3.1	2.6	2.5	2.4	2.6	2.5	2.5	3.1	2.7	2.7	3.0	2.5	2.6	3.13	4.86
																									N	0.00
																									N	0.00
																									N	0.00
Hourly Avg	2.69	2.52	2.72	2.63	2.90	2.80	2.95	3.39	3.24	2.95	2.60	2.53	2.45	2.39	2.34	2.32	2.30	2.34	2.56	2.71	2.62	2.66	2.61	2.54		
Hourly Max	5.26	4.00	4.86	4.32	6.22	5.23	5.64	7.61	6.53	4.58	4.15	3.48	3.72	3.83	3.42	3.48	3.30	3.26	4.55	4.95	4.02	5.81	4.09	3.71		

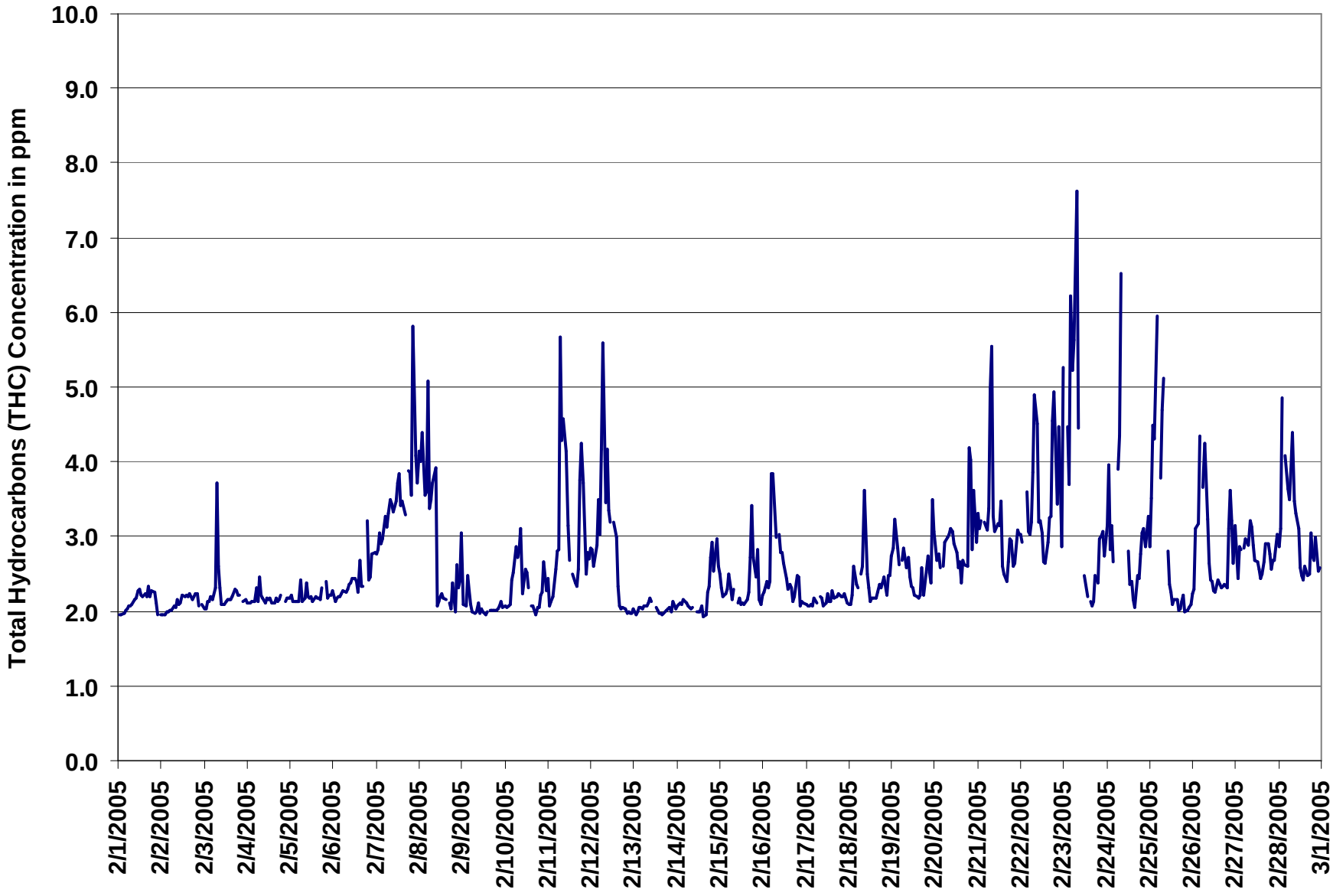


Figure 12. PASZA - Henry Pirker Total Hydrocarbons 1-hr Maximum Value Monthly Trend

PASZA - Henry Pirker Total Reduced Sulphur Monthly Summary

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Station: Henry Pirker

Station Owner: PASZA

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	2.7	ppb	24-Feb	8:00 9:00
Maximum 24-hr Average:	1.0	ppb	7-Feb	

H_2S Guideline Limit: Alberta Environment: 1-hr 10 ppb | 24-hr 3 ppb

AIC Time:	32 hrs	Operational Time:	634 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average
	1.6	1.0	0.6	0.4	0.2	0.0	0.0	0.4 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.3	0.6
2-Feb-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	A	0	0.3	0.6
3-Feb-05	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0	A	0	0	0.4	0.7
4-Feb-05	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	A	1	1	1	0.3	0.6
5-Feb-05	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.4	0.6
6-Feb-05	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	A	1	1	1	1	1	0.5	0.7
7-Feb-05	1	1	1	1	0	1	1	1	1	1	1	1	2	2	1	1	1	A	1	1	1	1	1	1	1.0	1.7
8-Feb-05	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.4	0.9
9-Feb-05	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	1	0.3	0.5
10-Feb-05	0	0	0	0	0	0	1	0	1	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0.4	0.8
11-Feb-05	0	0	0	0	0	0	0	1	1	2	1	1	0	A	1	1	0	0	1	1	1	0	1	1	0.7	2.1
12-Feb-05	1	0	0	0	0	0	1	1	1	1	1	1	A	1	0	0	0	0	0	0	0	0	0	0	0.4	1.1
13-Feb-05	0	0	0	0	0	0	0	0	0	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7
14-Feb-05	0	0	1	1	0	1	0	1	1	0	A	0	0	0	0	0	0	1	1	1	1	1	0	0	0.5	1.0
15-Feb-05	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0.3	0.9
16-Feb-05	0	0	1	0	0	0	1	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9
17-Feb-05	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.1	0.6
18-Feb-05	0	0	0	0	0	0	A	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0.4	0.6
19-Feb-05	1	1	1	1	1	A	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
20-Feb-05	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0.3	0.6
21-Feb-05	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0.8	1.2
22-Feb-05	0	1	A	0	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0.8	1.4
23-Feb-05	0	A	1	1	0	1	1	1	1	1	C	C	0	0	N	0	C	C	A	A	1	1	1	1	N	1.0
24-Feb-05	0	0	0	0	0	A	1	3	3	1	1	1	1	1	1	1	1	1	A	N	1	0	0	0	0.9	2.7
25-Feb-05	0	0	0	1	1	A	1	1	2	2	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0.7	2.1
26-Feb-05	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	0.5
27-Feb-05	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
28-Feb-05	0	0	A	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0.4	0.7
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.7	0.7	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.4	0.4		
Hourly Max	0.9	0.7	0.7	0.7	0.7	0.8	1.2	2.5	2.7	2.1	1.5	1.0	1.7	1.7	1.4	1.2	1.2	1.3	1.4	1.1	1.2	1.4	1.2	1.2		

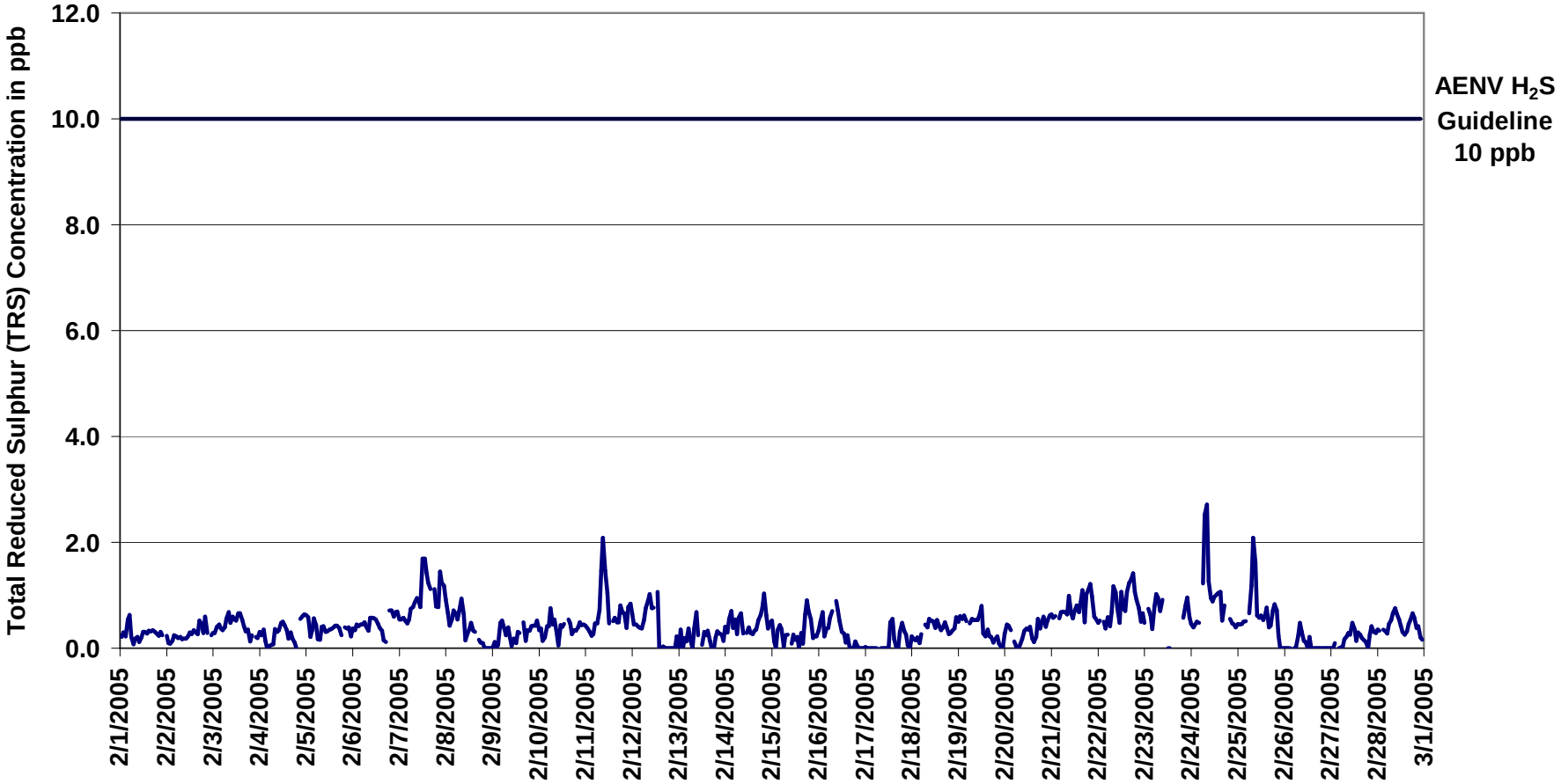


Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	4.7	ppb	2-Feb	20:00 21:00
Maximum 24-hr Value:	1.6	ppb	7-Feb	

AIC Time:	32 hrs	Operational Time:	634 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.7%

Percentile	99	95	75	50	25	5	1	Average
	2.9	1.8	1.2	0.9	0.8	0.4	0.0	1.0 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	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	1.4
2-Feb-05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	A	1	0.9	4.7
3-Feb-05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.0	1.5
4-Feb-05	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.8	1.2
5-Feb-05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.9	1.2
6-Feb-05	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	1.4
7-Feb-05	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	A	2	1	2	2	2	2	1.6	2.3
8-Feb-05	2	2	1	1	1	1	1	2	1	2	1	1	1	1	1	1	A	1	1	1	1	0	1	0	1.0	1.8
9-Feb-05	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	1.3
10-Feb-05	1	1	1	1	1	1	2	1	1	2	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1.0	1.6
11-Feb-05	1	1	1	1	1	1	1	1	2	3	3	2	1	A	1	1	1	1	2	1	1	1	2	1	1.3	3.0
12-Feb-05	1	1	1	1	1	1	1	1	1	1	2	1	A	2	1	1	1	0	0	0	0	1	1	1	1.0	1.8
13-Feb-05	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3
14-Feb-05	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	2	2	1	1	1	1.2	1.8
15-Feb-05	2	1	0	1	1	1	1	1	1	A	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1.0	2.3
16-Feb-05	1	1	1	1	1	1	1	2	A	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	0.9	1.9
17-Feb-05	1	0	0	1	0	0	0	A	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0.6	1.1
18-Feb-05	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.2
19-Feb-05	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	1.3
20-Feb-05	1	1	1	1	A	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
21-Feb-05	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1.4	1.8
22-Feb-05	1	2	A	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	2	1	2	1	1	1.6	2.3
23-Feb-05	1	A	1	1	1	1	2	2	1	2	C	C	0	0	N	0	C	C	A	A	1	2	1	1	N	2.1
24-Feb-05	1	1	1	1	1	A	2	4	4	4	1	1	1	1	1	1	1	1	A	N	1	1	1	1	1.5	4.0
25-Feb-05	1	1	1	1	1	A	1	2	4	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1.2	3.6
26-Feb-05	0	0	0	1	A	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.4	1.4
27-Feb-05	0	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.7	1.2
28-Feb-05	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	1.1
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.3	1.4	1.5	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.1	1.0	0.9	0.9		
Hourly Max	1.6	1.6	1.5	1.4	1.3	1.4	2.1	4.0	3.6	3.7	2.7	1.7	2.3	2.3	2.1	2.0	1.9	2.3	2.3	1.8	4.7	2.2	2.1	1.9		

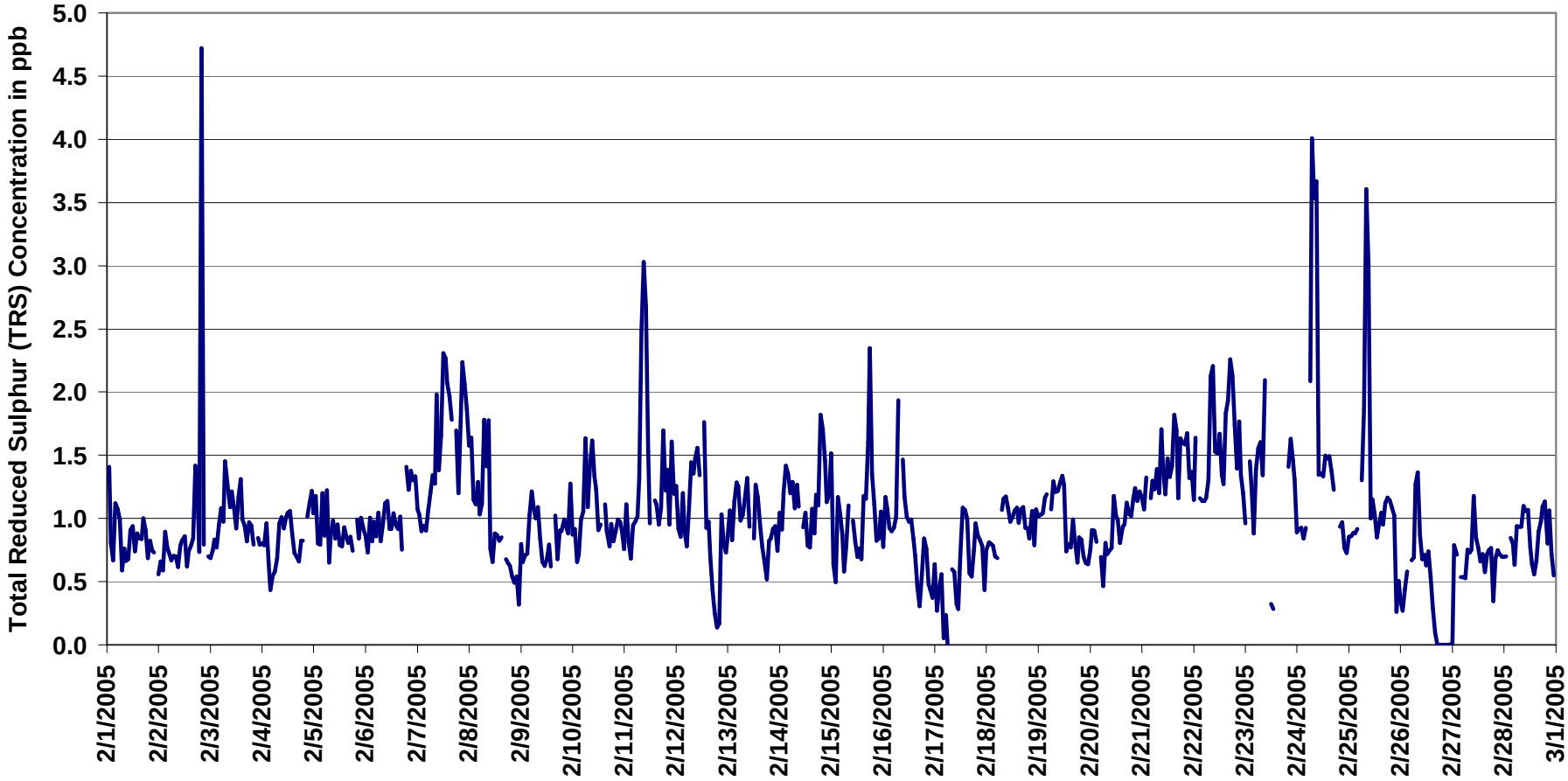


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Maximum Value Monthly Trend

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

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	51.8	µg/m³	7-Feb	12:00 13:00
Maximum 24-hr Average:	18.1	µg/m³	7-Feb	

Guideline Limit: Canada Wide Standard (considered as an absolute value) — 1-hr - µg/m³; 24-hr 30 µg/m³

AIC Time:	0 hrs			Operational Time:					664 hrs
Calibration Time:	5 hrs			AMD Operational Uptime:					99.6%
Percentile	99	95	75	50	25	5	1	Average	Geomean
	30.1	17.7	7.3	3.8	1.4	0.0	0.0	5.4 µg/m³	4.0 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-Feb-05	1	2	1	0	0	0	0	1	0	2	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0.4	1.6
2-Feb-05	1	1	2	2	1	0	D	1	0	2	3	1	0	1	3	2	2	1	1	1	2	0	0	0	1.2	2.9
3-Feb-05	0	0	3	4	8	6	8	13	15	6	1	2	2	2	2	3	2	3	3	4	2	2	1	1	3.8	14.9
4-Feb-05	0	1	1	1	1	0	0	1	2	3	4	4	3	3	3	4	4	6	5	4	6	5	5	5	2.9	5.7
5-Feb-05	5	3	4	4	4	4	5	4	5	6	4	4	4	3	4	3	3	3	5	6	7	4	4	4	4.2	6.5
6-Feb-05	5	2	3	3	2	3	4	4	5	8	8	9	9	6	9	11	12	9	11	12	11	7	8	5	6.9	12.3
7-Feb-05	5	3	4	3	3	4	6	7	9	15	19	36	52	50	30	22	19	19	17	14	15	24	39	18	18.1	51.8
8-Feb-05	26	8	4	5	6	4	5	6	10	16	0	0	1	1	2	0	0	0	0	0	0	0	3	1	4.0	26.1
9-Feb-05	0	0	0	2	2	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2.4
10-Feb-05	1	0	0	0	1	2	8	4	6	5	2	2	2	3	3	0	0	1	1	2	2	3	7	1	2.3	8.1
11-Feb-05	4	1	0	1	1	5	3	7	12	22	12	12	6	3	3	4	2	3	8	3	2	1	5	3	5.1	21.8
12-Feb-05	7	5	1	4	3	3	10	8	10	21	17	8	8	20	3	0	D	0	0	1	0	0	0	0	5.6	21.1
13-Feb-05	2	0	0	5	1	1	0	1	2	2	0	0	0	0	0	0	0	1	2	1	2	1	2	2	1.0	4.6
14-Feb-05	2	2	1	2	3	2	3	1	1	1	0	0	0	0	0	1	1	5	8	12	12	5	6	7	3.1	11.5
15-Feb-05	4	0	0	1	0	2	1	2	2	4	4	2	4	4	4	1	7	19	22	14	6	2	1	0	4.5	21.5
16-Feb-05	1	1	1	0	2	3	5	11	23	12	10	7	6	4	6	10	6	3	3	3	3	2	4	3	5.3	22.5
17-Feb-05	3	2	2	0	1	0	1	1	2	4	2	2	0	0	1	3	0	0	1	1	0	5	4	0	1.4	4.7
18-Feb-05	0	0	0	1	2	1	8	2	5	8	8	4	3	2	3	5	5	5	5	4	5	7	2	5	3.8	8.5
19-Feb-05	3	2	2	4	5	4	3	3	4	6	1	2	2	0	2	2	2	2	3	4	5	6	5	7	3.4	6.7
20-Feb-05	7	6	4	6	5	4	3	6	11	12	10	9	10	4	10	5	7	10	10	19	16	10	9	8	8.4	19.4
21-Feb-05	7	9	8	7	5	5	5	7	8	5	8	8	14	19	13	7	8	8	11	10	10	7	7	6	8.5	18.5
22-Feb-05	8	5	5	6	5	6	7	11	21	20	12	19	22	17	12	19	22	18	20	14	8	8	7	4	12.4	22.3
23-Feb-05	5	6	6	7	11	11	12	14	9	12	11	6	4	4	N	0	0	2	0	2	21	6	8	2	7.0	20.6
24-Feb-05	2	1	3	7	5	9	14	30	32	14	7	5	C	C	C	C	C	6	6	7	6	7	5	5	9.1	32.2
25-Feb-05	6	9	9	9	10	11	13	17	30	30	9	2	5	4	5	9	4	1	3	3	1	1	3	6	8.3	30.4
26-Feb-05	7	6	3	2	4	4	8	5	9	7	4	7	6	4	6	6	2	2	5	3	7	5	5	5	5.1	9.2
27-Feb-05	5	2	2	3	4	4	7	6	7	8	10	8	7	9	8	12	16	14	8	5	6	7	5	5	7.0	15.8
28-Feb-05	6	6	4	5	4	5	9	10	13	15	16	18	11	9	7	10	14	12	10	12	8	6	6	4	9.2	17.7
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	4.4	3.0	2.7	3.4	3.5	3.7	5.5	6.5	9.0	9.5	6.6	6.5	6.8	6.4	5.4	5.2	5.3	5.5	6.0	5.7	5.8	4.9	5.4	3.8		
Hourly Max	26.1	9.3	9.2	8.6	11.1	11.0	13.9	30.4	32.2	30.4	19.1	36.5	51.8	49.6	29.9	21.8	22.3	18.9	21.5	19.4	20.6	24.5	38.7	17.9		

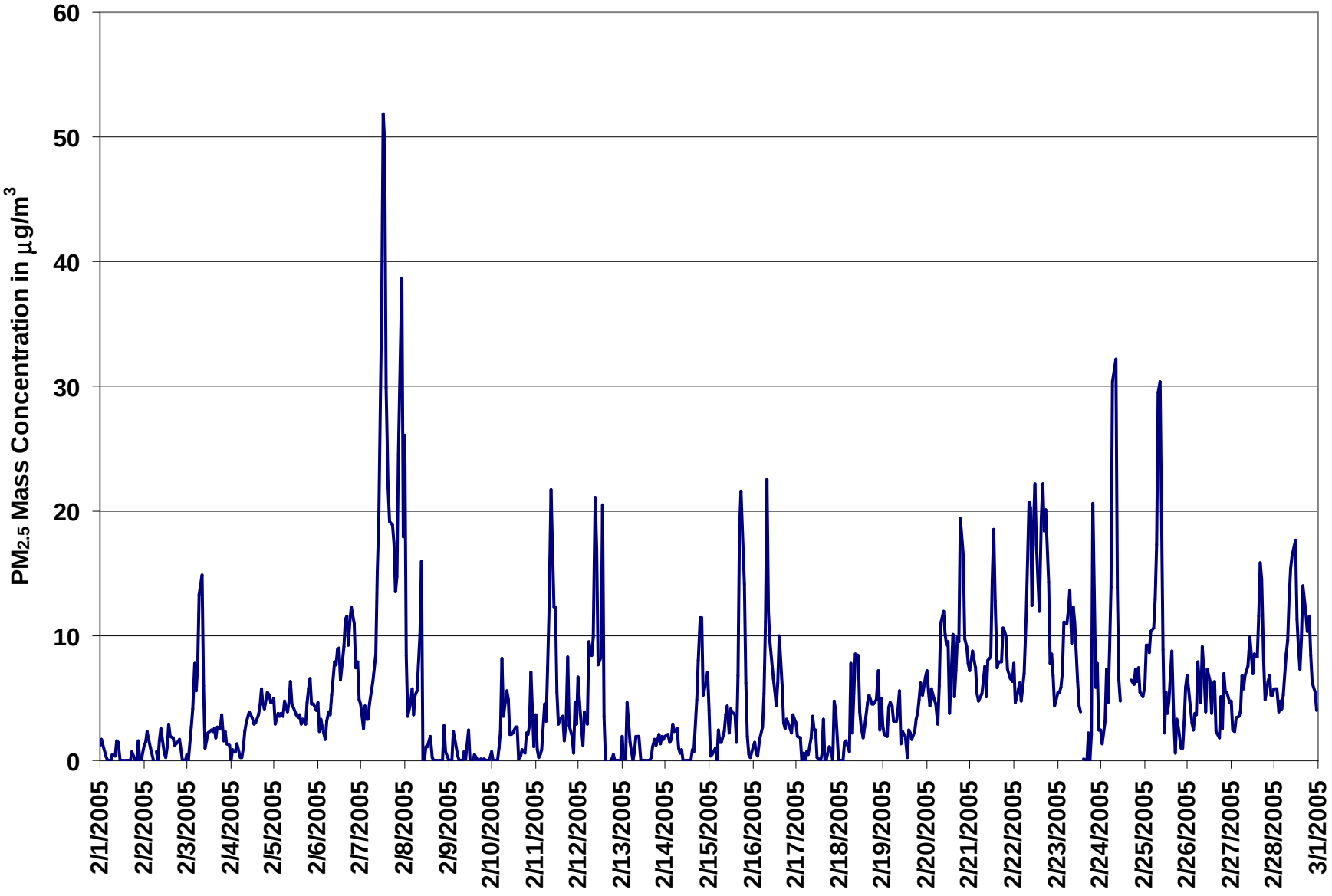


Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	66.7	µg/m³	23-Feb	20:00 21:00
Maximum 24-hr Value:	25.0	µg/m³	7-Feb	

AIC Time:	0 hrs	Operational Time:		664 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:		99.6%

Percentile	99	95	75	50	25	5	1	Average	Geomean
	40.7	26.5	11.7	7.1	4.1	1.5	0.5	9.4 µg/m³	8.2 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-Feb-05	7	5	3	1	1	1	1	2	3	6	4	1	1	2	0	1	2	3	4	3	3	4	2	1	2.5	6.6
2-Feb-05	3	3	6	5	4	3	D	4	4	4	7	4	6	4	7	5	6	5	4	4	7	6	2	8	4.8	8.4
3-Feb-05	5	3	7	8	13	8	17	17	22	14	7	6	5	5	6	8	4	6	6	9	4	5	3	4	8.0	21.7
4-Feb-05	2	3	3	2	3	3	3	3	5	4	7	5	6	5	5	5	7	9	6	6	7	7	7	6	5.0	8.6
5-Feb-05	7	4	6	6	5	6	11	6	6	9	6	6	5	6	9	6	5	5	8	9	8	7	6	5	6.6	10.8
6-Feb-05	6	4	5	4	4	5	8	6	8	11	10	11	14	13	20	15	18	13	16	18	13	9	10	7	10.3	20.0
7-Feb-05	6	4	6	6	6	8	10	11	16	22	27	49	61	60	36	28	26	29	23	19	19	36	63	30	25.0	62.9
8-Feb-05	37	15	11	7	7	8	8	12	14	21	17	0	3	3	5	4	1	0	1	0	0	2	5	5	7.8	36.6
9-Feb-05	3	1	2	13	4	3	1	1	0	2	2	8	3	1	2	3	2	3	4	2	2	2	2	5	2.9	12.7
10-Feb-05	3	4	3	2	10	12	14	9	11	13	5	8	7	5	6	3	3	3	3	4	4	9	13	4	6.6	13.6
11-Feb-05	7	4	2	3	4	7	6	12	22	28	19	15	14	6	6	5	4	6	14	8	7	4	8	6	9.1	28.3
12-Feb-05	12	7	4	6	5	4	32	12	14	28	23	19	16	28	27	5	D	8	4	4	1	2	0	1	11.4	31.6
13-Feb-05	5	3	2	13	3	2	2	2	5	5	1	1	4	1	4	4	2	3	4	4	4	3	4	3	3.6	13.0
14-Feb-05	4	4	4	5	7	4	4	3	3	3	1	3	1	2	1	3	3	7	14	15	17	10	15	9	6.0	16.8
15-Feb-05	11	2	3	5	1	5	5	4	6	8	8	4	7	6	5	4	10	27	31	28	10	4	4	2	8.3	31.3
16-Feb-05	3	4	4	2	3	6	10	18	29	25	15	11	7	7	9	14	8	5	4	10	10	5	7	9	9.4	29.0
17-Feb-05	9	4	4	3	3	2	3	2	5	6	5	5	3	2	3	7	3	2	3	3	3	9	10	1	4.1	9.7
18-Feb-05	1	3	1	8	5	4	34	5	11	15	18	10	5	4	6	7	8	8	6	6	8	11	6	8	8.2	34.0
19-Feb-05	5	5	4	7	8	7	5	5	7	8	4	4	3	3	7	4	4	5	5	6	8	9	7	16	6.1	15.5
20-Feb-05	11	10	6	8	7	7	6	13	13	16	13	13	14	11	17	12	15	14	23	29	24	14	13	10	13.3	29.4
21-Feb-05	10	12	12	14	10	7	8	11	11	12	15	15	20	24	17	11	10	16	14	15	16	10	11	13	13.0	24.0
22-Feb-05	12	7	8	8	6	9	10	17	25	25	20	34	33	34	23	28	26	30	31	21	12	15	13	7	18.9	33.6
23-Feb-05	8	11	9	12	16	14	19	22	18	19	22	12	11	8	N	4	4	6	4	8	67	16	16	8	14.4	66.7
24-Feb-05	6	4	7	12	12	13	23	43	39	41	14	12	C	C	C	C	C	16	10	10	9	9	7	7	15.4	42.8
25-Feb-05	9	13	12	12	16	14	17	23	38	41	17	6	8	6	8	15	10	6	6	8	3	3	4	8	12.6	40.7
26-Feb-05	9	9	5	5	6	6	15	8	14	11	6	10	8	7	11	10	8	6	7	4	11	10	9	9	8.6	14.8
27-Feb-05	7	6	4	5	6	9	9	9	11	10	15	11	9	11	12	15	18	19	12	7	9	10	8	8	10.0	19.4
28-Feb-05	10	9	5	7	6	8	13	12	15	18	22	23	14	12	10	14	22	20	13	15	12	10	7	7	12.8	23.0
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	7.7	5.8	5.3	6.8	6.4	6.5	10.9	10.3	13.4	15.2	11.8	11.0	10.8	10.1	10.1	8.9	8.8	10.0	10.0	9.8	10.6	8.7	9.5	7.4		
Hourly Max	36.6	15.5	11.8	14.1	15.9	14.2	34.0	42.8	39.1	40.7	26.5	49.1	60.8	59.5	36.2	27.8	26.5	30.3	31.3	29.4	66.7	35.9	62.9	29.9		

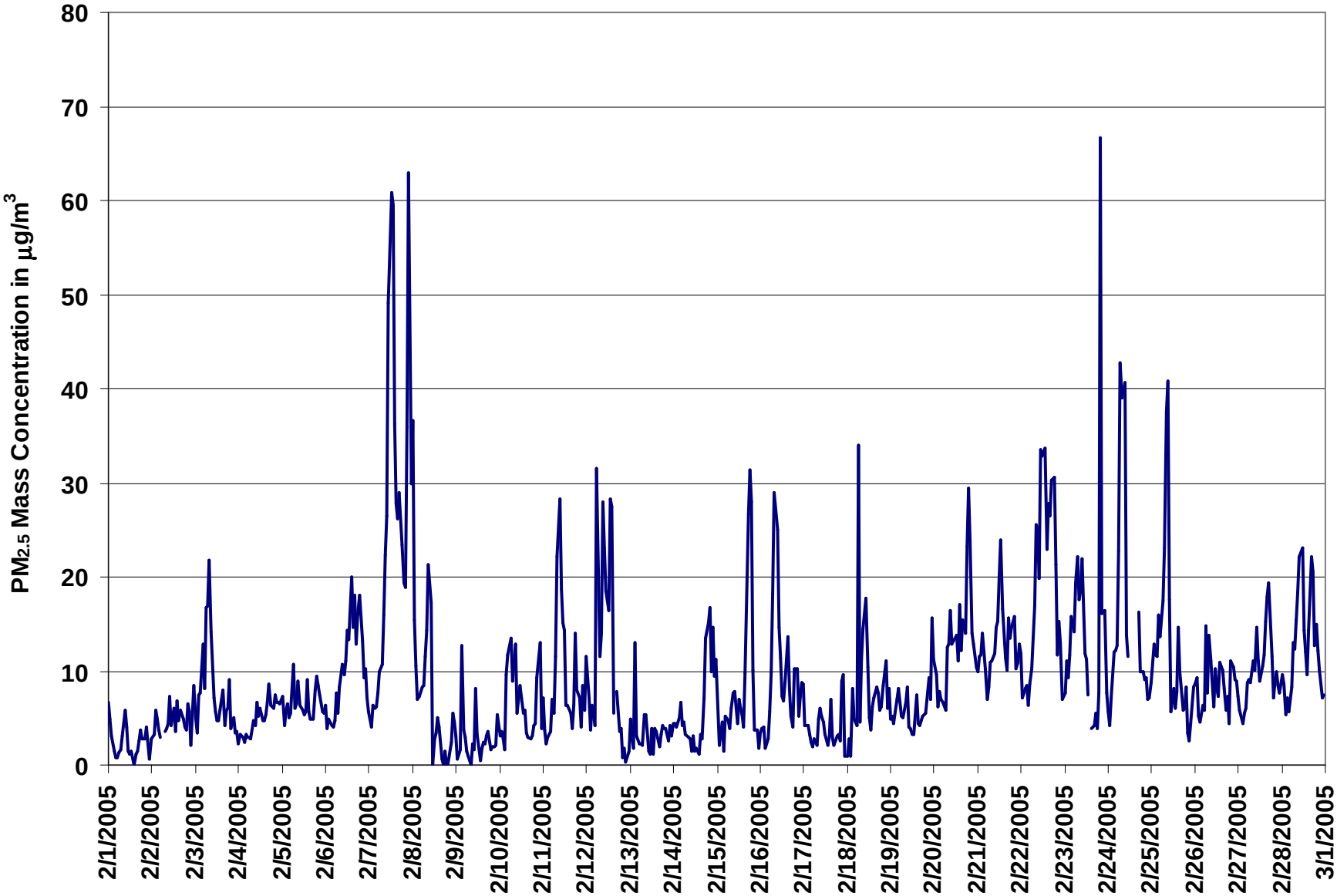
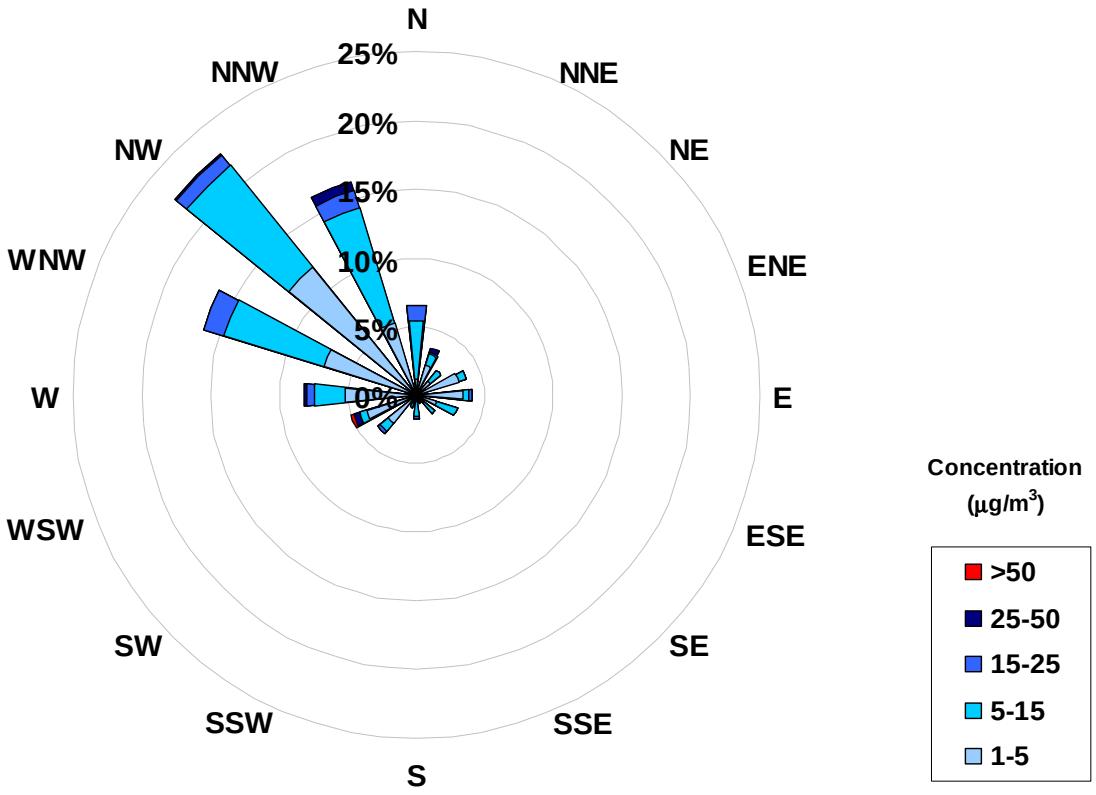


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Maximum Value Monthly

Concentration Rose for the 1-hr $PM_{2.5}$ Average Concentration Occurrences at the Henry Pirker Site for February 2005



Frequency Distribution of $PM_{2.5}$ in µg/m³			
Range			Frequency (hrs)
0	<	1	138
1	to	5	267
5	to	15	215
15	to	25	34
25	to	50	9
	>	50	1
Total Non-Zero Values			664

Calms	
Range µg/m³	
1-5	0.0%
5-15	0.0%
15-25	0.0%
25-50	0.0%
>50	0.0%

PASZA - Henry Pirker Meteorological Parameters Monthly Summary

HOURLY AVERAGE TABLE

Relative Humidity (RH - %)

Station: Henry Pirker

Station Owner: PASZA

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	90.6	%	3-Feb	4:00 5:00
Maximum 24-hr Average:	79.7	%	19-Feb	

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

Percentile	99	95	75	50	25	5	1	Average
	88.4	85.3	76.4	68.4	57.9	45.8	34.5	66.8 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	56	63	67	72	72	68	66	61	59	60	64	62	57	56	55	55	56	58	58	61	62	63	63	63	62	72
2-Feb-05	64	65	68	72	74	72	60	55	57	57	58	57	61	72	75	74	75	76	83	87	88	87	87	87	71	88
3-Feb-05	88	88	88	89	91	90	90	89	89	88	80	74	72	69	66	67	68	68	69	70	69	70	71	70	78	91
4-Feb-05	67	67	68	69	68	69	71	72	74	78	76	75	72	74	75	76	76	76	77	77	77	77	77	77	73	78
5-Feb-05	77	77	76	76	75	75	75	74	74	74	73	71	67	63	63	66	68	70	72	76	78	76	76	76	73	78
6-Feb-05	76	76	74	74	72	73	74	74	74	74	72	69	62	52	46	57	58	62	69	73	70	68	67	67	68	76
7-Feb-05	67	66	68	66	65	65	65	64	66	68	71	73	71	68	59	57	58	67	72	73	75	77	79	80	68	80
8-Feb-05	82	80	79	82	83	79	77	78	81	75	61	55	51	51	51	55	57	59	62	61	64	68	71	71	68	83
9-Feb-05	69	67	67	70	72	67	66	63	61	59	52	55	58	55	54	53	57	59	63	63	63	64	67	60	62	72
10-Feb-05	62	61	61	60	61	63	67	71	60	60	58	51	49	45	47	49	51	52	55	60	64	64	65	63	58	71
11-Feb-05	64	66	69	71	78	83	78	81	82	82	73	64	60	58	59	58	61	71	78	84	86	86	87	88	74	88
12-Feb-05	88	87	87	87	87	87	88	88	88	83	72	64	64	51	45	47	46	48	55	60	57	55	54	55	69	88
13-Feb-05	58	57	58	67	74	74	72	72	71	71	59	54	50	44	39	39	42	46	54	54	59	59	61	65	58	74
14-Feb-05	66	71	72	74	75	74	76	80	77	75	69	66	61	58	55	52	51	53	62	69	71	71	70	72	67	80
15-Feb-05	67	62	67	66	67	69	62	67	66	59	50	47	40	43	39	35	42	51	61	65	60	53	53	49	56	69
16-Feb-05	55	58	55	58	63	69	71	75	75	68	53	56	53	47	44	43	48	57	59	59	56	55	61	64	58	75
17-Feb-05	64	61	65	65	69	71	72	69	69	61	61	63	54	47	41	47	49	56	63	69	69	70	70	71	62	72
18-Feb-05	71	70	70	78	80	79	79	78	80	65	59	52	55	56	57	61	64	69	72	74	77	78	80	82	70	82
19-Feb-05	81	81	82	84	84	84	84	84	85	85	81	80	79	72	71	70	72	72	74	74	80	84	84	85	80	85
20-Feb-05	83	81	80	78	78	77	78	78	79	79	81	80	73	64	60	52	54	63	66	72	76	79	79	79	74	83
21-Feb-05	78	77	77	77	77	77	77	80	79	64	50	56	51	54	57	52	57	64	74	79	82	81	81	81	70	82
22-Feb-05	80	79	78	77	78	80	79	78	77	66	56	46	40	41	49	52	61	66	70	72	73	75	76	75	68	80
23-Feb-05	74	75	76	76	76	76	76	75	73	68	53	41	33	30	N	28	30	37	39	42	46	46	48	41	55	76
24-Feb-05	47	47	51	63	62	68	72	71	70	56	51	51	45	46	33	31	29	41	61	64	66	70	71	71	56	72
25-Feb-05	72	73	75	76	76	76	75	75	72	67	57	56	52	49	48	47	48	51	59	57	61	64	66	69	63	76
26-Feb-05	70	74	79	84	87	88	88	88	85	71	59	49	50	42	49	48	43	47	58	62	71	76	79	81	68	88
27-Feb-05	82	81	82	82	82	82	82	82	78	63	55	53	52	49	49	52	51	56	68	72	76	79	77	80	69	82
28-Feb-05	82	82	84	85	85	85	86	85	80	65	56	49	45	50	51	55	52	54	71	79	81	80	81	81	71	86
																									N	0
																									N	0
																									N	0
Hourly Avg	71	71	72	74	75	76	75	75	74	69	63	60	56	54	53	53	54	59	65	68	70	71	71	72		
Hourly Max	88	88	88	89	91	90	90	89	89	88	81	80	79	74	75	76	76	76	83	87	88	87	87	88		

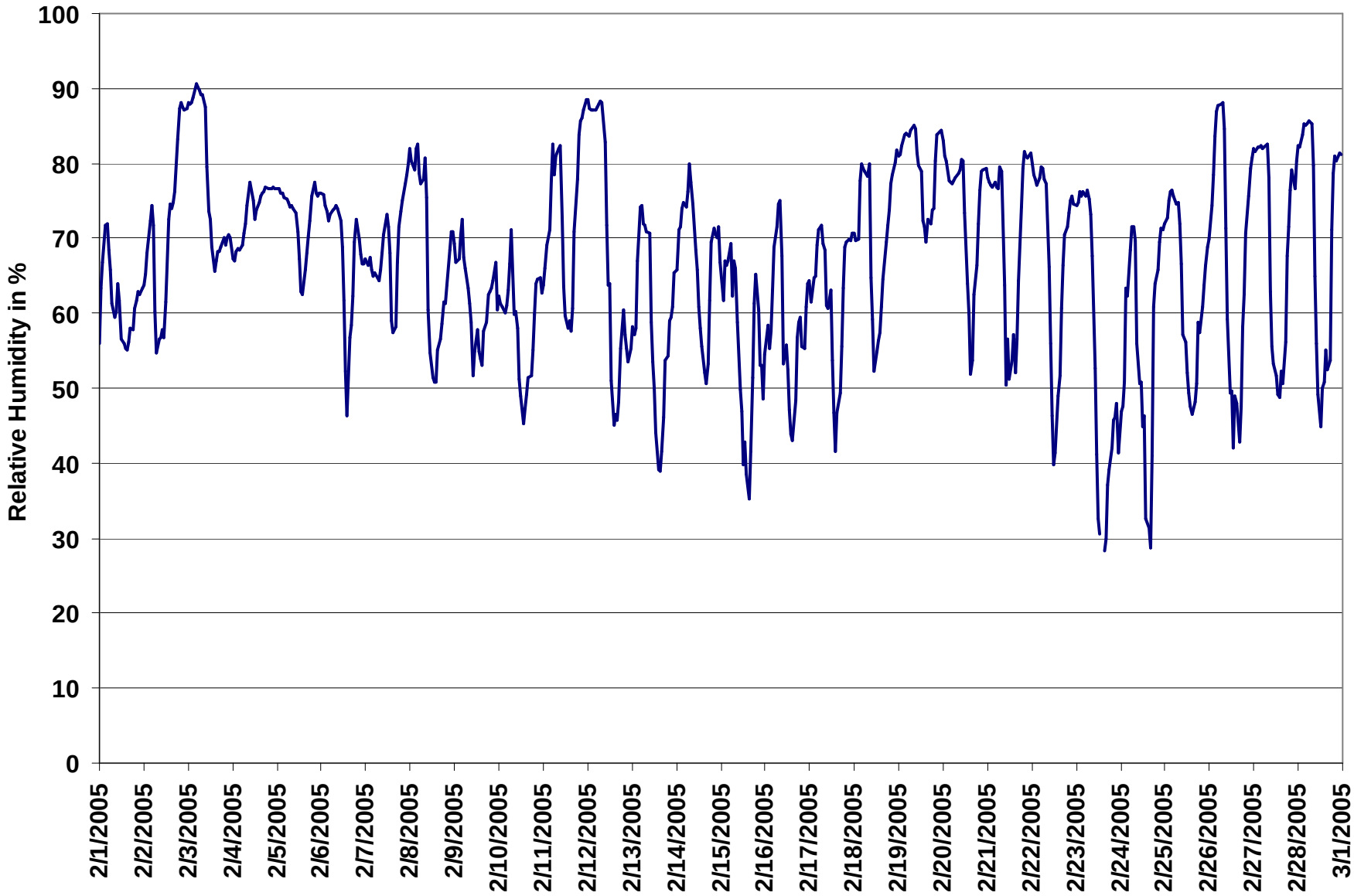


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (AT - ℃)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	10.5	°C	23-Feb	15:00 16:00
Maximum 24-hr Average:	5.5	°C	1-Feb	

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

Percentile	99	95	75	50	25	5	1	Average
	7.9	6.7	0.8	-5.8	-10.9	-19.6	-30.8	-5.9 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-Feb-05	4	5	5	4	3	3	4	4	5	4	4	5	5	6	7	7	7	7	7	7	6	6	7	7	5.5	7.3
2-Feb-05	8	7	7	7	6	6	6	6	6	6	5	5	4	-1	-3	-4	-4	-5	-6	-7	-7	-7	-7	-7	0.9	7.6
3-Feb-05	-7	-7	-6	-7	-6	-6	-6	-7	-7	-7	-8	-11	-14	-14	-13	-14	-15	-15	-16	-15	-15	-17	-18	-18	-11.2	-6.2
4-Feb-05	-18	-19	-19	-18	-18	-18	-19	-19	-19	-19	-19	-18	-17	-17	-17	-17	-18	-18	-18	-19	-19	-19	-19	-19	-18.3	-17.0
5-Feb-05	-19	-19	-19	-18	-19	-19	-19	-19	-20	-20	-19	-18	-17	-16	-17	-18	-18	-19	-19	-20	-21	-20	-20	-20	-18.8	-16.2
6-Feb-05	-21	-21	-21	-21	-22	-22	-22	-21	-21	-21	-20	-19	-17	-15	-13	-16	-17	-19	-21	-24	-28	-30	-31	-31	-21.3	-12.8
7-Feb-05	-30	-31	-30	-31	-32	-32	-32	-33	-31	-28	-24	-20	-17	-15	-12	-10	-10	-14	-16	-18	-19	-16	-15	-16	-22.2	-9.9
8-Feb-05	-15	-13	-13	-14	-15	-17	-18	-18	-16	-10	-1	0	2	3	4	4	3	1	0	0	-1	-2	-3	-3	-5.9	4.3
9-Feb-05	-2	-1	-1	-2	-3	-1	0	0	0	0	2	4	4	5	5	5	3	2	1	1	1	1	0	1	1.1	4.8
10-Feb-05	1	1	1	1	1	1	0	-1	1	1	3	5	6	8	9	8	7	7	7	6	5	5	4	4	3.8	8.6
11-Feb-05	5	5	4	3	1	0	1	0	0	0	2	5	7	7	7	7	6	3	1	-2	-4	-6	-7	-8	1.6	7.3
12-Feb-05	-7	-6	-7	-7	-7	-7	-7	-7	-8	-5	-2	0	0	5	7	7	6	4	2	1	1	2	1	0	-1.4	7.1
13-Feb-05	-1	0	-1	-2	-4	-6	-6	-6	-6	-5	-3	-1	-1	1	1	1	0	-2	-3	-4	-5	-6	-6	-7	-3.0	1.0
14-Feb-05	-7	-8	-10	-11	-12	-12	-12	-12	-12	-12	-11	-10	-8	-7	-6	-5	-5	-6	-8	-10	-11	-11	-12	-12	-9.6	-4.9
15-Feb-05	-9	-8	-10	-10	-13	-13	-10	-12	-12	-10	-5	-4	-1	-1	1	2	0	-2	-6	-8	-7	-5	-5	-4	-6.4	2.4
16-Feb-05	-6	-8	-7	-8	-9	-10	-13	-16	-15	-12	-7	-7	-5	-1	2	4	2	0	0	0	0	-1	-2	-2	-5.0	3.5
17-Feb-05	-2	-2	-2	-2	-4	-5	-6	-5	-6	-4	-3	-3	0	1	3	2	0	-2	-4	-5	-6	-6	-7	-6	-3.1	3.1
18-Feb-05	-7	-7	-8	-12	-12	-11	-11	-10	-11	-7	-6	-3	-3	-3	-3	-4	-5	-6	-7	-7	-8	-9	-11	-11	-7.5	-2.6
19-Feb-05	-11	-11	-12	-12	-11	-10	-9	-9	-9	-7	-5	-5	-5	-4	-4	-4	-4	-5	-6	-6	-8	-9	-9	-12	-7.7	-3.5
20-Feb-05	-15	-17	-18	-19	-19	-19	-19	-18	-17	-16	-14	-11	-8	-5	-2	0	-1	-4	-6	-8	-10	-13	-13	-12	-11.8	0.3
21-Feb-05	-11	-10	-9	-9	-9	-9	-9	-10	-10	-7	-3	-4	-1	0	0	2	0	-2	-5	-8	-9	-10	-10	-12	-6.5	1.7
22-Feb-05	-12	-12	-12	-12	-14	-15	-14	-13	-12	-9	-5	0	3	4	2	3	1	0	-2	-3	-6	-7	-8	-8	-6.3	3.9
23-Feb-05	-8	-8	-9	-8	-7	-6	-5	-6	-6	-4	0	4	7	10	N	11	9	7	5	3	1	1	0	1	-0.4	10.5
24-Feb-05	-1	-2	-3	-6	-6	-7	-8	-8	-8	-7	-4	-3	1	3	7	8	8	5	-2	-4	-5	-7	-8	-8	-2.8	7.7
25-Feb-05	-8	-7	-8	-8	-9	-9	-8	-8	-5	-3	1	3	6	7	7	8	7	6	4	3	3	2	1	0	-0.6	8.1
26-Feb-05	0	-2	-4	-6	-8	-8	-9	-10	-7	-4	1	5	5	7	5	5	6	4	1	0	-2	-4	-6	-8	-1.6	7.4
27-Feb-05	-9	-10	-11	-10	-10	-10	-10	-11	-9	-4	0	1	3	4	5	5	5	4	0	-3	-5	-6	-6	-7	-3.9	5.4
28-Feb-05	-8	-8	-8	-9	-9	-10	-10	-10	-8	-3	2	5	8	7	7	6	6	6	1	-2	-4	-5	-6	-7	-2.5	7.9
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	-7.7	-7.8	-8.2	-8.9	-9.5	-9.7	-9.7	-9.9	-9.4	-7.5	-5.0	-3.3	-1.8	-0.7	-0.4	0.1	-0.7	-2.2	-4.1	-5.4	-6.5	-7.1	-7.7	-8.0		
Hourly Max	7.6	7.4	7.1	6.5	6.0	5.9	6.2	6.3	5.8	5.5	5.3	5.3	7.9	9.8	8.6	10.5	8.9	7.3	7.3	6.7	6.3	6.5	7.2	7.2		

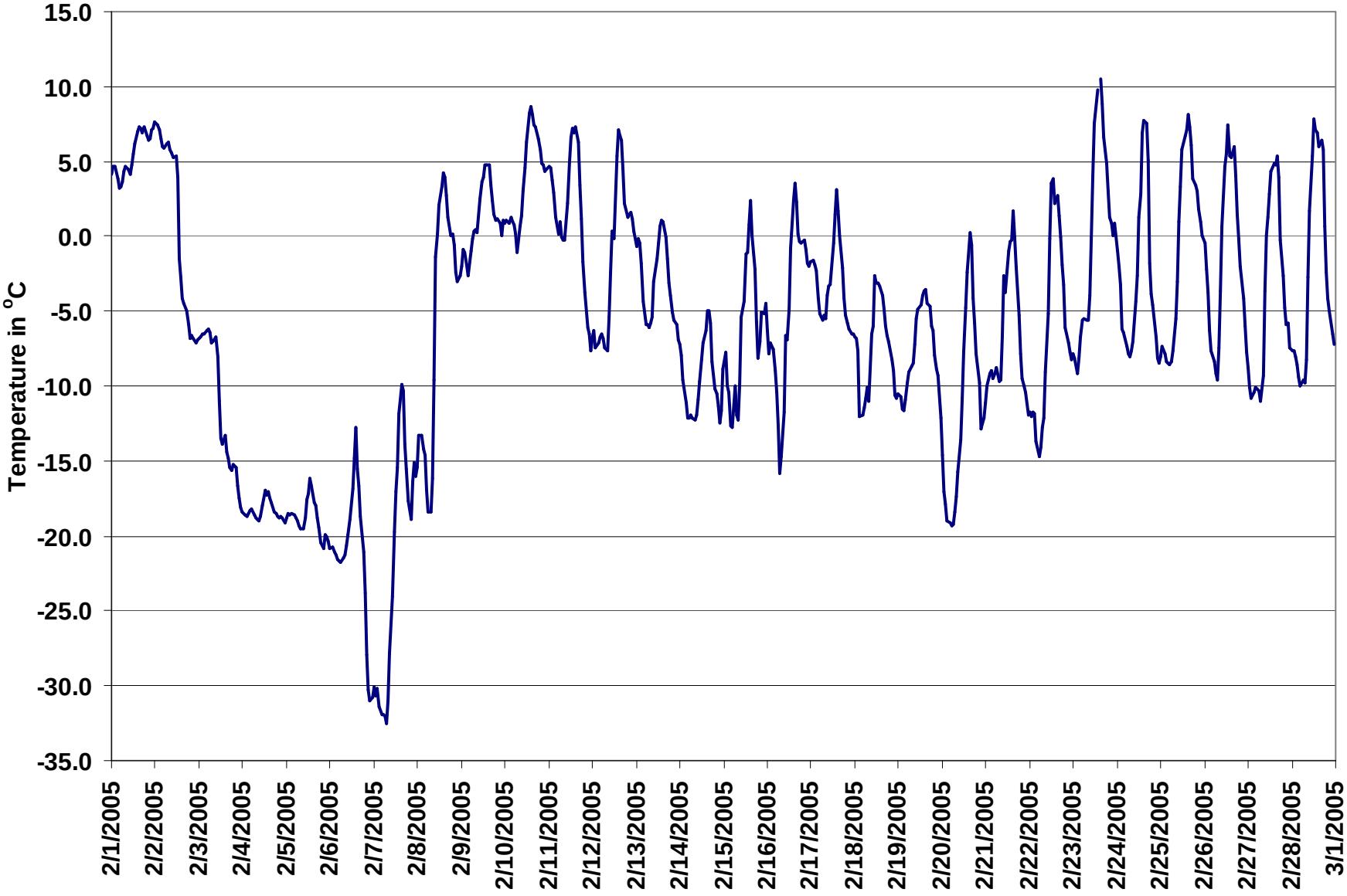


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Solar Radiation (SR - W/m^2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	471.6	W/m^2	28-Feb	12:00 13:00
Maximum 24-hr Average:	131.0	W/m^2	28-Feb	

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

Percentile	99	95	75	50	25	5	1	Average
	437.6	362.8	96.8	1.9	0.0	0.0	0.0	72.1 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	0	0	0	0	0	0	0	0	0	14	45	81	80	117	127	95	25	2	0	0	0	0	0	0	24	127
2-Feb-05	0	0	0	0	0	0	0	0	0	17	51	84	100	123	71	44	21	2	0	0	0	0	0	0	21	123
3-Feb-05	0	0	0	0	0	0	0	0	0	20	128	133	89	177	251	99	40	5	0	0	0	0	0	0	39	251
4-Feb-05	0	0	0	0	0	0	0	0	0	12	57	108	135	90	59	36	20	2	0	0	0	0	0	0	22	135
5-Feb-05	0	0	0	0	0	0	0	0	0	12	42	56	64	99	68	35	32	7	0	0	0	0	0	0	17	99
6-Feb-05	0	0	0	0	0	0	0	0	0	7	20	47	66	102	143	120	68	18	0	0	0	0	0	0	25	143
7-Feb-05	0	0	0	0	0	0	0	0	6	28	51	63	53	47	105	117	63	13	0	0	0	0	0	0	23	117
8-Feb-05	0	0	0	0	0	0	0	0	8	84	129	142	290	353	322	275	88	19	0	0	0	0	0	0	71	353
9-Feb-05	0	0	0	0	0	0	0	0	3	60	202	263	306	397	328	248	91	16	0	0	0	0	0	0	80	397
10-Feb-05	0	0	0	0	0	0	0	0	4	41	104	141	223	346	311	185	71	13	0	0	0	0	0	0	60	346
11-Feb-05	0	0	0	0	0	0	0	0	4	43	88	197	309	186	132	129	69	28	0	0	0	0	0	0	49	309
12-Feb-05	0	0	0	0	0	0	0	0	8	105	196	240	270	376	354	255	124	36	0	0	0	0	0	0	82	376
13-Feb-05	0	0	0	0	0	0	0	0	7	62	205	324	377	388	352	274	135	37	0	0	0	0	0	0	90	388
14-Feb-05	0	0	0	0	0	0	0	0	6	48	113	205	336	319	293	283	151	44	0	0	0	0	0	0	75	336
15-Feb-05	0	0	0	0	0	0	0	0	17	110	253	336	366	401	369	281	87	24	0	0	0	0	0	0	94	401
16-Feb-05	0	0	0	0	0	0	0	0	17	92	284	216	389	401	365	286	190	27	0	0	0	0	0	0	94	401
17-Feb-05	0	0	0	0	0	0	0	0	23	144	230	220	331	406	365	304	174	57	0	0	0	0	0	0	94	406
18-Feb-05	0	0	0	0	0	0	0	0	15	158	262	346	276	252	202	172	88	25	0	0	0	0	0	0	75	346
19-Feb-05	0	0	0	0	0	0	0	0	12	72	151	136	160	183	269	255	78	47	1	0	0	0	0	0	57	269
20-Feb-05	0	0	0	0	0	0	0	0	18	84	132	183	248	249	231	327	163	35	2	0	0	0	0	0	70	327
21-Feb-05	0	0	0	0	0	0	0	0	41	173	282	369	418	425	392	298	125	42	1	0	0	0	0	0	107	425
22-Feb-05	0	0	0	0	0	0	0	0	30	145	236	312	344	298	296	209	73	22	0	0	0	0	0	0	82	344
23-Feb-05	0	0	0	0	0	0	0	0	26	96	163	349	413	380	N	280	131	63	9	2	2	2	2	2	84	413
24-Feb-05	2	2	2	2	2	3	2	3	50	186	300	392	447	455	423	344	229	97	8	2	2	2	2	2	123	455
25-Feb-05	2	2	2	2	2	3	2	3	25	117	188	178	273	294	278	329	208	81	9	2	2	2	2	2	84	329
26-Feb-05	2	2	2	2	3	2	2	5	57	191	307	399	447	445	389	331	219	73	6	2	2	2	2	2	121	447
27-Feb-05	2	2	2	3	2	2	2	3	68	209	313	403	437	423	438	351	250	110	11	2	2	2	2	2	127	438
28-Feb-05	2	2	3	2	2	2	2	4	67	220	324	416	472	445	438	361	246	116	12	2	2	2	2	2	131	472
																									N	0
																									N	0
																									N	0
Hourly Avg	0	0	0	0	0	0	0	1	18	91	173	226	276	292	273	226	116	38	2	0	0	0	0	0		
Hourly Max	2	2	3	3	3	3	2	5	68	220	324	416	472	455	438	361	250	116	12	2	2	2	2	2		

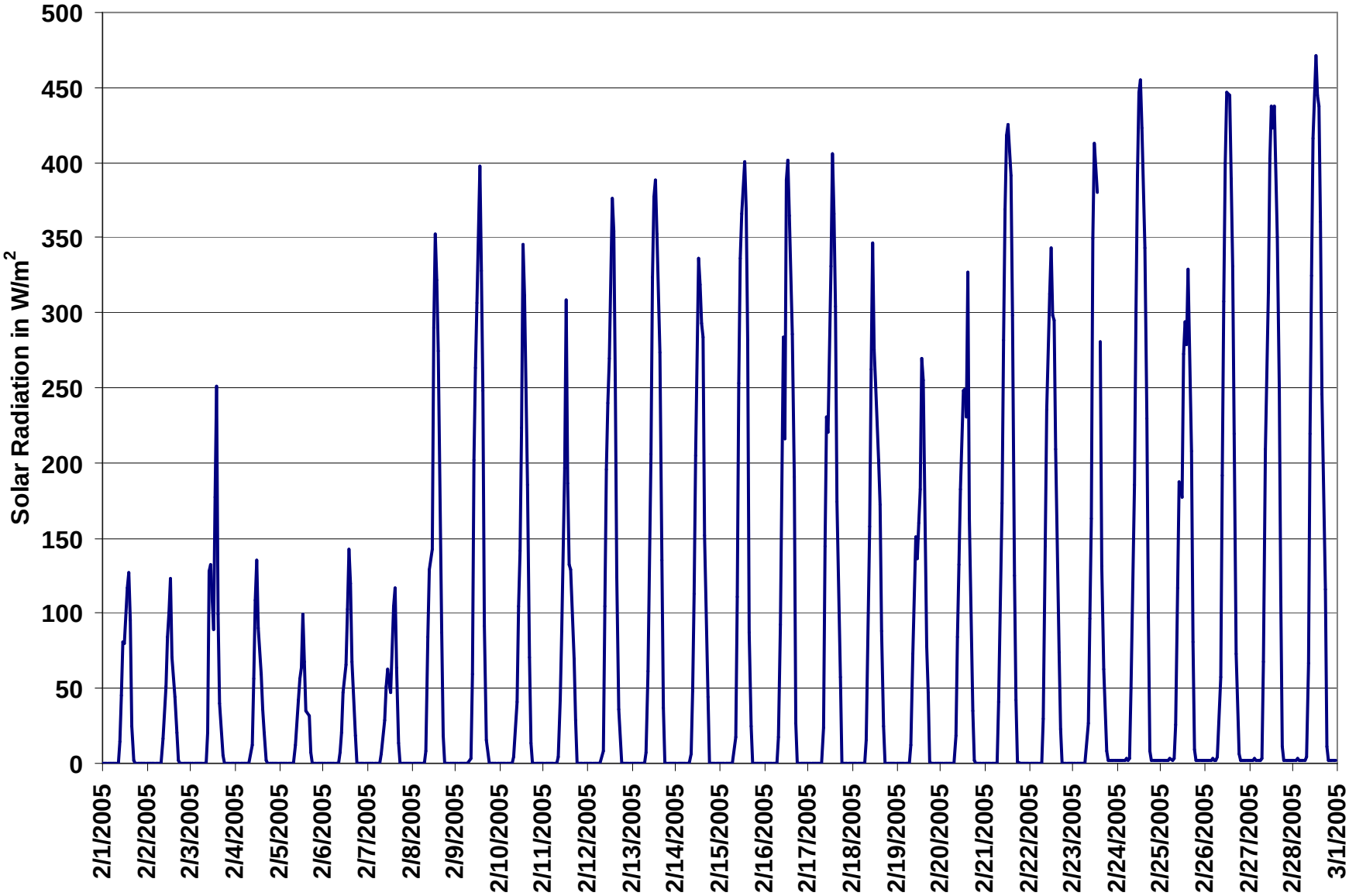


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv - Km/hr)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Average:	36.0	km/hr	2-Feb	8:00 9:00
Maximum 24-hr Average:	18.6	km/hr	9-Feb	

Calm Time:	6 hrs	**1%** calms	Operational Time: 665 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 99.9%

Percentile	99	95	75	50	25	5	1	AverageS	AverageV
	31.1	22.0	9.6	5.8	4.3	2.4	1.3	8.1 km/hr	4.9 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-Feb-05	14	20	26	22	18	23	24	32	29	23	15	7	9	10	12	9	9	11	16	7	7	10	17	22	14.3	31.7
2-Feb-05	31	31	31	25	21	21	27	33	36	31	25	24	10	11	11	12	11	12	15	6	4	9	9	4	9.6	36.0
3-Feb-05	2	4	3	3	5	3	3	calm	3	18	19	23	22	19	17	12	11	9	10	6	10	11	10	8	7.4	23.0
4-Feb-05	9	10	9	8	7	8	10	9	9	11	12	11	9	9	7	8	7	7	7	7	7	6	6	6	7.5	11.5
5-Feb-05	5	5	4	calm	5	5	4	6	5	5	6	5	5	6	6	7	7	7	4	3	2	7	6	5	3.0	6.8
6-Feb-05	5	5	6	5	6	5	6	4	2	3	5	5	4	3	3	6	6	3	4	2	5	4	7	5	1.6	6.5
7-Feb-05	3	5	4	6	4	5	4	5	4	3	4	1	2	2	2	5	3	5	4	4	2	5	4	2	3.5	5.9
8-Feb-05	2	4	2	2	2	4	4	4	5	8	14	9	7	9	9	17	18	18	20	21	16	7	5	4	7.8	21.2
9-Feb-05	12	12	9	6	4	14	13	17	17	12	12	23	31	35	32	25	27	30	27	24	19	16	9	19	18.6	35.1
10-Feb-05	17	18	10	6	4	3	4	7	calm	6	4	7	5	6	8	18	22	29	22	15	6	2	5	7	9.1	29.0
11-Feb-05	10	8	6	5	2	5	5	4	3	3	4	4	7	5	6	6	7	4	5	4	5	6	5	5	0.3	9.7
12-Feb-05	5	6	3	4	4	1	calm	4	4	3	calm	2	5	2	7	19	18	16	16	14	14	14	14	11	6.4	18.8
13-Feb-05	11	22	20	22	23	17	12	8	6	7	8	11	12	15	16	16	19	20	17	15	9	7	6	6	11.9	22.8
14-Feb-05	7	9	16	16	11	8	16	19	17	18	21	23	22	22	19	13	8	6	2	3	4	3	5	3	11.9	22.9
15-Feb-05	9	11	8	7	9	5	11	6	7	5	9	7	5	6	6	3	3	4	4	6	8	11	11	14	6.8	14.1
16-Feb-05	9	5	8	7	4	3	5	4	3	5	4	6	7	8	8	6	10	12	9	calm	13	13	9	9	6.5	13.5
17-Feb-05	11	12	13	17	11	10	10	14	11	8	10	10	9	7	3	5	10	10	12	10	10	8	10	12	3.3	16.6
18-Feb-05	11	10	3	5	5	4	6	3	5	2	6	3	5	6	5	9	8	8	8	7	7	8	6	6	4.8	10.8
19-Feb-05	6	6	5	5	4	6	7	5	4	7	9	7	10	8	11	9	8	11	9	7	5	5	4	3	5.6	11.0
20-Feb-05	3	5	6	4	5	5	4	4	4	5	5	6	4	5	4	6	2	6	5	3	5	5	5	5	3.9	6.4
21-Feb-05	5	4	4	3	5	4	4	4	3	4	2	6	5	7	8	5	5	5	5	5	5	5	5	5	4.1	8.2
22-Feb-05	6	5	6	5	5	5	3	4	4	4	4	2	3	4	6	5	4	5	2	4	3	5	5	4	4.0	6.2
23-Feb-05	4	4	1	1	2	1	1	4	4	6	4	5	10	7	N	7	13	11	5	5	1	1	3	7	4.5	13.3
24-Feb-05	5	8	6	4	4	4	3	4	3	6	6	8	5	7	5	5	5	6	6	6	5	5	6	4	4.0	7.6
25-Feb-05	2	2	4	2	3	4	3	1	2	4	6	8	8	9	9	8	13	15	11	12	18	16	13	9	7.1	18.0
26-Feb-05	8	7	5	4	3	5	5	5	2	5	4	4	5	4	6	7	5	6	5	4	2	5	5	5	3.5	8.4
27-Feb-05	5	5	4	5	4	5	4	4	5	3	3	5	5	5	6	7	7	5	6	6	6	6	6	6	5.2	7.4
28-Feb-05	6	6	4	2	5	4	5	4	4	4	4	3	4	6	6	9	7	5	5	5	6	6	6	5	4.8	8.8
																									N	0.0
																									N	0.0
																									N	0.0
1-hr Vector	5.0	6.2	4.8	4.8	4.6	4.2	4.1	5.3	5.1	5.9	6.4	6.0	5.8	5.5	5.2	5.0	4.8	5.1	4.8	4.3	3.6	3.5	3.2	4.1		
Hourly Max	31.1	31.1	31.4	25.4	22.8	23.0	27.2	32.7	36.0	30.5	24.9	23.7	30.7	35.1	32.4	25.4	26.9	30.1	26.6	24.4	18.9	16.4	17.2	21.6		

Station: Henry Pirker

Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD - Degrees)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Calm Time:	0 hrs	**0%** calms			Operational Time:		671 hrs			
Calibration Time:	0 hrs				AMD Operational Uptime:		99.9%			
Percentile	99	95	75	50	25	5	1	Average		
	356.8	345.4	318.2	284.6	227.4	49.7	11.2	288 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
1-Feb-05	196	227	219	229	244	253	247	254	252	251	233	209	157	158	152	151	178	188	211	198	144	202	239	228	223
2-Feb-05	235	240	233	235	240	249	263	267	257	265	275	276	299	80	91	83	87	91	92	83	80	96	93	22	251
3-Feb-05	323	248	227	352	350	176	195	354	340	323	323	308	316	308	314	316	324	339	348	26	69	61	57	56	332
4-Feb-05	57	61	63	61	63	62	67	63	73	71	71	66	50	52	50	64	53	45	27	21	5	2	322	327	51
5-Feb-05	326	325	37	97	12	30	26	17	15	331	294	290	331	357	335	302	309	314	317	304	138	108	109	98	350
6-Feb-05	86	98	97	121	111	136	115	141	194	169	148	145	174	226	334	11	36	50	107	352	321	317	333	336	87
7-Feb-05	326	309	331	330	306	316	321	307	328	342	303	251	247	248	278	352	284	322	305	329	356	321	23	147	314
8-Feb-05	341	287	58	81	114	322	294	328	356	288	280	292	285	289	273	256	251	253	256	259	284	273	249	267	274
9-Feb-05	254	236	256	220	285	253	235	250	239	259	270	267	262	255	254	256	254	257	261	257	267	265	226	264	256
10-Feb-05	285	279	256	252	226	221	139	187	299	260	269	191	287	256	260	249	250	254	253	253	261	26	198	218	253
11-Feb-05	234	251	236	255	345	143	135	122	121	99	91	152	113	117	119	89	49	6	335	324	324	324	332	303	87
12-Feb-05	302	325	308	326	312	74	108	358	138	334	288	265	302	232	322	283	267	267	271	253	217	218	235	239	268
13-Feb-05	314	270	270	304	315	314	315	289	247	226	230	223	209	244	257	265	260	255	253	253	244	276	304	272	270
14-Feb-05	275	294	322	327	329	316	300	303	298	290	289	292	298	291	301	301	286	252	340	186	288	293	298	239	298
15-Feb-05	243	275	288	310	319	320	312	312	303	316	277	3	295	315	288	291	296	360	306	312	261	268	264	252	292
16-Feb-05	283	274	266	260	285	266	314	341	300	339	324	309	285	289	295	288	299	290	303	61	246	253	269	262	284
17-Feb-05	284	273	306	322	299	283	278	269	260	285	299	286	263	286	266	25	76	82	90	100	91	102	88	86	309
18-Feb-05	88	87	80	333	332	333	313	337	332	29	286	30	32	60	41	360	336	329	337	328	316	330	323	332	355
19-Feb-05	333	320	318	331	334	331	321	333	311	320	317	310	303	299	302	288	284	265	255	251	214	183	185	335	297
20-Feb-05	300	331	333	299	313	322	315	304	342	305	297	296	314	303	274	289	6	92	101	335	336	310	320	312	319
21-Feb-05	291	326	341	302	294	314	345	311	335	299	227	300	298	346	354	58	62	41	324	318	331	312	329	312	328
22-Feb-05	336	321	333	346	309	300	273	16	334	310	307	265	175	291	285	297	272	350	351	332	315	318	346	280	316
23-Feb-05	314	328	333	240	54	232	113	291	299	288	317	344	287	290	N	282	262	277	338	323	29	261	264	274	294
24-Feb-05	266	285	299	316	344	139	288	19	338	306	306	309	320	282	51	72	72	358	324	323	352	314	323	309	325
25-Feb-05	9	337	358	313	347	318	343	357	309	330	275	266	224	249	260	278	273	260	282	257	254	254	248	267	273
26-Feb-05	281	305	309	345	326	307	316	321	357	311	296	239	274	298	356	12	60	74	72	75	343	296	327	328	328
27-Feb-05	311	320	332	323	332	315	346	291	337	337	292	277	292	291	303	353	353	320	327	330	322	337	331	325	323
28-Feb-05	351	291	354	297	323	317	11	338	325	331	304	259	263	290	321	352	355	350	325	328	331	323	328	335	326
																									N
																									N
																									N
Hourly Avg	282	278	283	294	307	288	290	292	287	293	287	283	283	283	295	300	288	283	287	284	285	281	287	281	

Station: Henry Pirker

Station Owner: PASZA

STANDARD DEVIATION TABLE

Wind Direction (WD - Degrees)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms				Operational Time:		671 hrs			
Calibration Time:	0 hrs					AMD Operational Uptime:		99.9%			
Percentile	99	95	75	50	25	5	1				
	59.6	42.7	20.4	12.7	7.8	4.3	3.1				

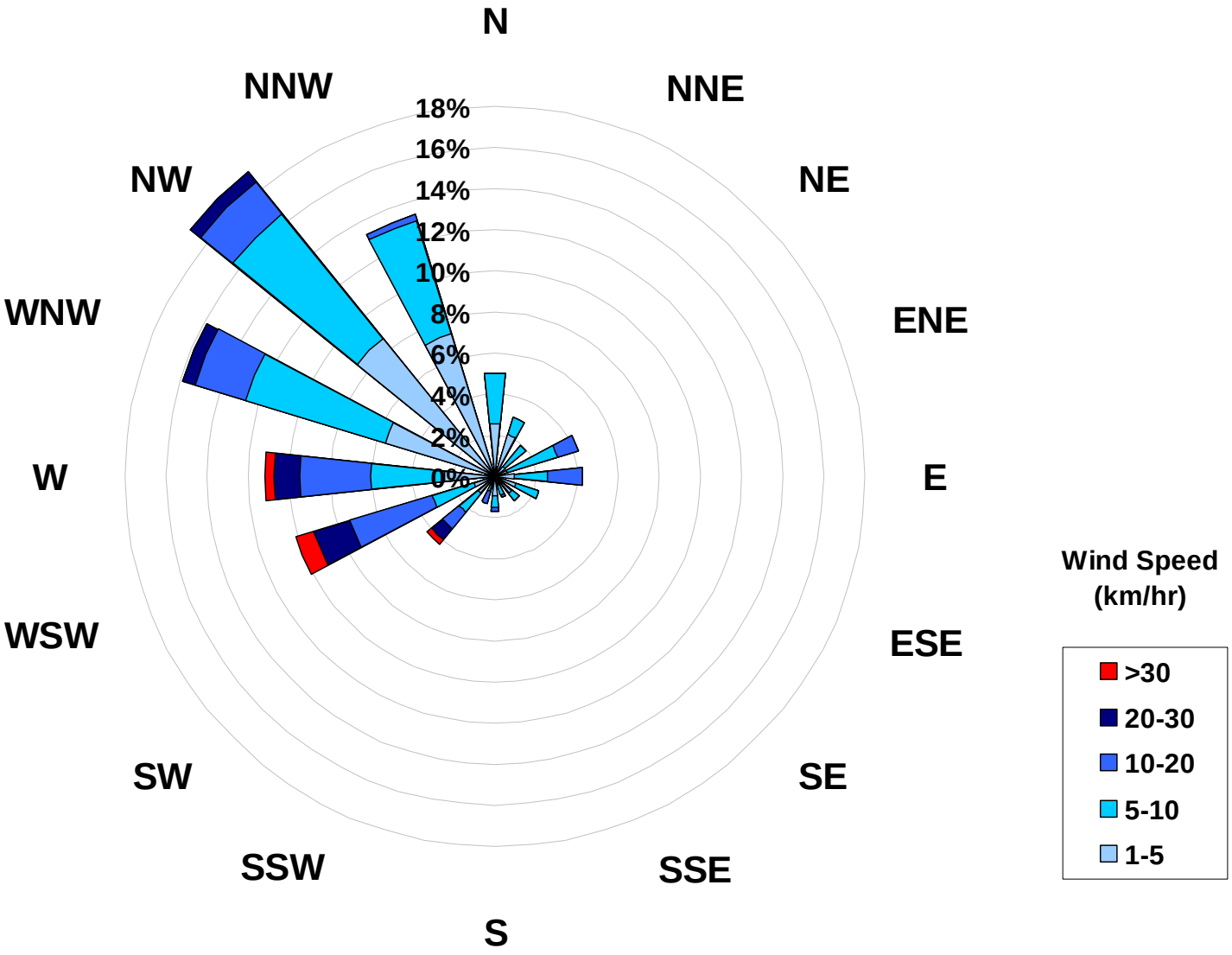
Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Feb-05	9	6	5	5	5	3	4	3	3	5	7	12	5	9	7	11	8	7	7	18	17	23	7	5	22.8
2-Feb-05	5	5	5	4	5	4	4	4	5	5	5	5	27	15	12	12	23	9	7	24	29	25	14	62	62.3
3-Feb-05	53	21	33	42	25	44	43	48	43	9	6	6	6	6	8	14	9	10	9	20	10	10	12	18	53.2
4-Feb-05	14	12	12	13	15	14	9	12	13	12	10	9	15	13	17	13	16	15	15	14	7	12	7	8	17.5
5-Feb-05	8	13	17	24	21	17	15	9	11	10	8	14	18	16	18	12	11	9	14	14	22	8	9	10	23.8
6-Feb-05	23	16	10	16	13	15	11	15	32	18	15	16	21	32	48	21	15	23	20	38	13	8	5	9	48.0
7-Feb-05	9	7	12	12	21	12	12	11	20	41	16	54	18	36	51	16	41	17	25	11	20	19	43	33	54.2
8-Feb-05	42	40	27	31	20	20	16	19	17	15	13	7	7	4	7	5	4	3	3	5	6	24	22	40	41.6
9-Feb-05	17	12	8	15	37	10	7	8	6	9	8	6	4	3	3	4	3	3	4	3	4	5	11	5	37.1
10-Feb-05	6	6	14	10	29	39	25	10	46	39	25	20	21	20	15	5	4	3	4	6	18	34	20	9	46.4
11-Feb-05	9	18	26	13	39	7	13	13	19	38	23	19	14	20	8	11	11	43	28	21	11	10	27	27	42.6
12-Feb-05	37	18	45	26	27	57	59	40	39	65	73	63	18	48	28	8	6	5	4	6	6	6	5	6	73.3
13-Feb-05	14	4	4	10	4	5	6	9	19	11	9	10	14	10	7	6	5	4	3	5	7	15	17	12	19.0
14-Feb-05	10	12	6	4	7	10	5	4	5	4	5	4	6	3	4	6	9	12	27	35	39	28	27	19	38.8
15-Feb-05	8	7	10	13	7	27	10	17	8	18	15	19	20	13	6	28	36	7	34	17	20	10	5	4	35.6
16-Feb-05	10	11	7	8	14	26	13	18	30	14	12	8	9	5	9	14	7	3	6	57	12	4	10	7	57.0
17-Feb-05	6	5	5	4	8	7	10	6	8	6	6	7	9	21	39	28	10	7	5	9	6	6	5	5	39.1
18-Feb-05	5	5	26	18	18	43	23	50	35	55	14	33	25	23	26	9	8	8	6	10	8	4	6	8	55.3
19-Feb-05	6	8	15	6	9	10	9	8	19	7	8	11	13	20	13	7	11	8	10	16	18	7	15	23	23.4
20-Feb-05	51	8	9	17	7	7	17	13	13	10	17	10	12	17	25	13	22	9	17	36	12	13	14	13	51.4
21-Feb-05	13	16	15	28	16	18	17	17	28	20	35	8	11	9	13	23	21	18	13	15	22	11	9	15	35.4
22-Feb-05	7	17	9	6	11	11	23	30	17	22	14	50	39	16	10	13	25	24	35	28	53	16	14	21	53.2
23-Feb-05	27	21	36	66	42	19	43	24	19	9	35	27	10	9	N	10	5	10	18	21	38	55	32	15	65.7
24-Feb-05	29	11	10	12	20	18	31	49	37	18	10	9	11	8	27	28	18	13	9	13	21	12	7	26	49.3
25-Feb-05	40	46	26	35	29	27	45	66	53	35	32	21	12	9	11	13	6	5	15	9	3	3	4	25	66.1
26-Feb-05	14	13	14	9	21	14	11	14	61	16	17	31	12	17	15	13	19	12	15	25	40	19	11	8	60.6
27-Feb-05	12	8	17	19	12	11	14	19	11	16	18	14	10	8	8	5	6	11	5	11	16	11	8	8	18.9
28-Feb-05	8	26	33	36	5	15	12	12	11	8	13	44	20	9	12	9	8	12	10	17	5	8	9	9	43.9
																									0.0
																									0.0
																									0.0
Hourly Max	53	46	45	66	42	57	59	66	61	65	73	63	39	48	51	28	41	43	35	57	53	55	43	62	

Wind Rose for the 1-hr Average Meterological Data at the Henry Pirker Site for February 2005



Calm 0.9%

PASZA - Evergreen Park Sulphur Dioxide Monthly Summary

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	9.8	ppb	24-Feb	14:00 15:00
Maximum 24-hr Average:	3.0	ppb	25-Feb	

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

AIC Time:	4 hrs	Operational Time:	102 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	15.8%

Percentile	99	95	75	50	25	5	1	Average
	7.1	5.5	4.0	2.4	1.1	0.4	0.0	2.7 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	7	6	5	5	5	5	5	4	2	N	9.8
25-Feb-05	1	0	0	1	1	A	1	0	2	5	4	5	5	5	4	5	5	5	4	4	4	3	2	2	3.0	5.3
26-Feb-05	3	2	2	1	A	0	0	0	1	0	0	1	3	1	1	1	1	2	2	1	1	1	1	0	1.1	3.0
27-Feb-05	1	1	1	A	1	1	1	1	2	2	2	3	5	6	6	5	6	5	3	2	2	2	2	2	2.8	6.0
28-Feb-05	1	1	A	1	1	2	2	2	2	3	4	4	3	3	3	4	4	3	3	3	3	3	4	4	2.6	3.9
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	2.7	2.0	1.6	1.2	1.3	1.6	1.9	1.8	2.1	4.5	4.5	5.1	5.2	5.8	9.8	7.1	6.0	5.1	4.5	5.0	5.2	4.8	4.1	3.5		

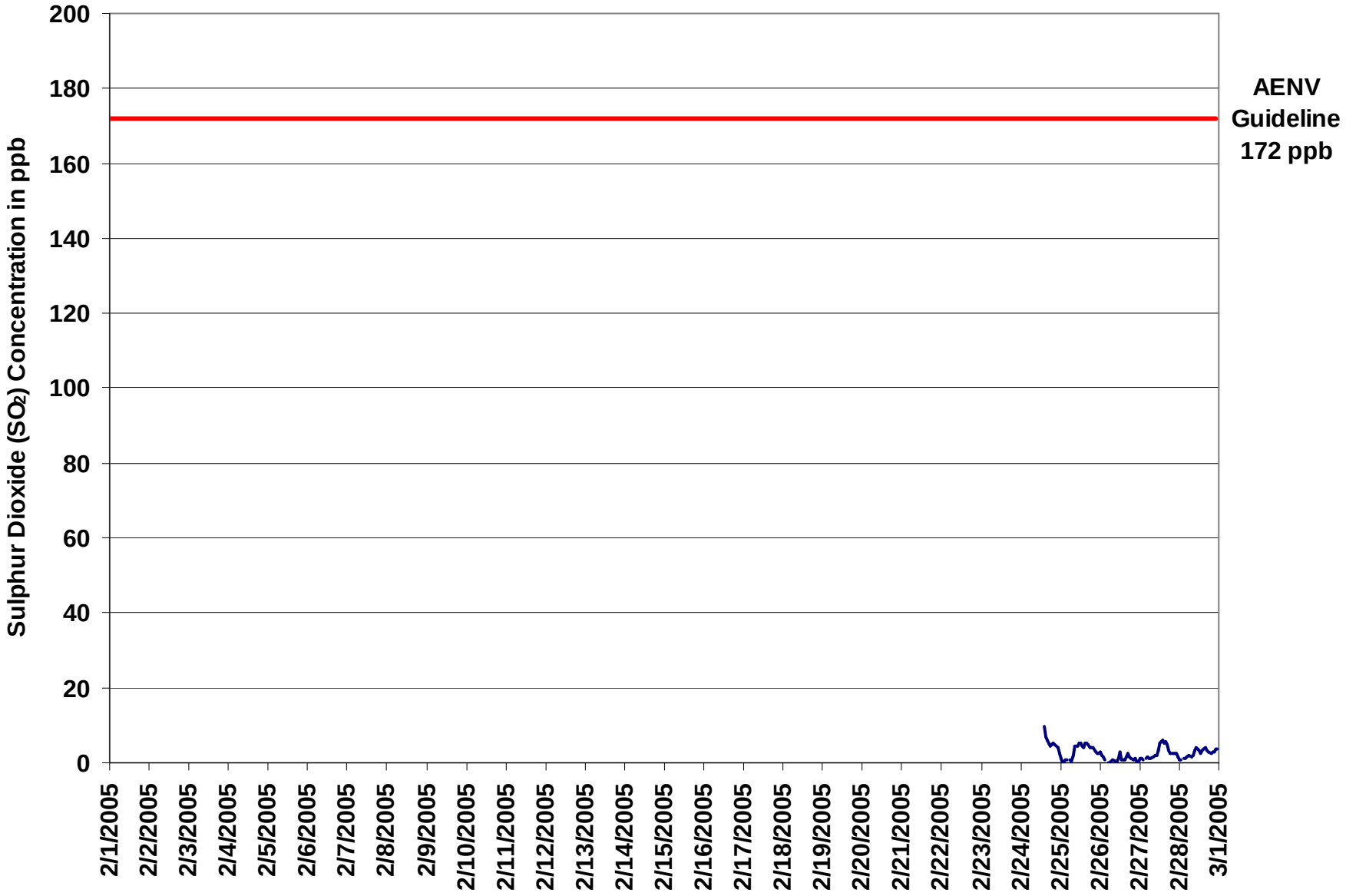


Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Sulphur Dioxide (SO_2)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	15.2	ppb	24-Feb	14:00 15:00
Maximum 24-hr Value:	4.7	ppb	25-Feb	

AIC Time:	4 hrs	Operational Time:	102 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	15.8%

Percentile	99	95	75	50	25	5	1	Average
	8.4	7.1	5.5	3.9	2.4	1.6	0.5	4.1 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	15	8	7	6	6	6	7	6	5	4	N	15.2
25-Feb-05	3	1	2	2	2	A	2	2	5	6	7	7	6	6	6	7	8	7	6	5	6	4	4	4	4.7	8.4
26-Feb-05	4	3	3	2	A	0	1	2	2	2	2	3	6	2	2	2	3	4	3	2	3	2	2	2	2.4	5.5
27-Feb-05	2	2	2	A	3	3	2	2	3	3	4	6	7	7	7	6	7	6	5	4	4	3	4	3	4.1	7.2
28-Feb-05	2	2	A	2	3	3	3	3	3	5	5	5	4	4	5	5	5	4	4	4	4	4	5	5	3.9	5.2
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Hourly Max	3.9	3.2	2.6	2.4	2.6	2.7	2.9	3.2	4.7	5.7	7.1	6.8	6.9	7.2	15.2	8.3	8.4	7.0	5.7	6.4	6.6	6.4	5.5	4.6		

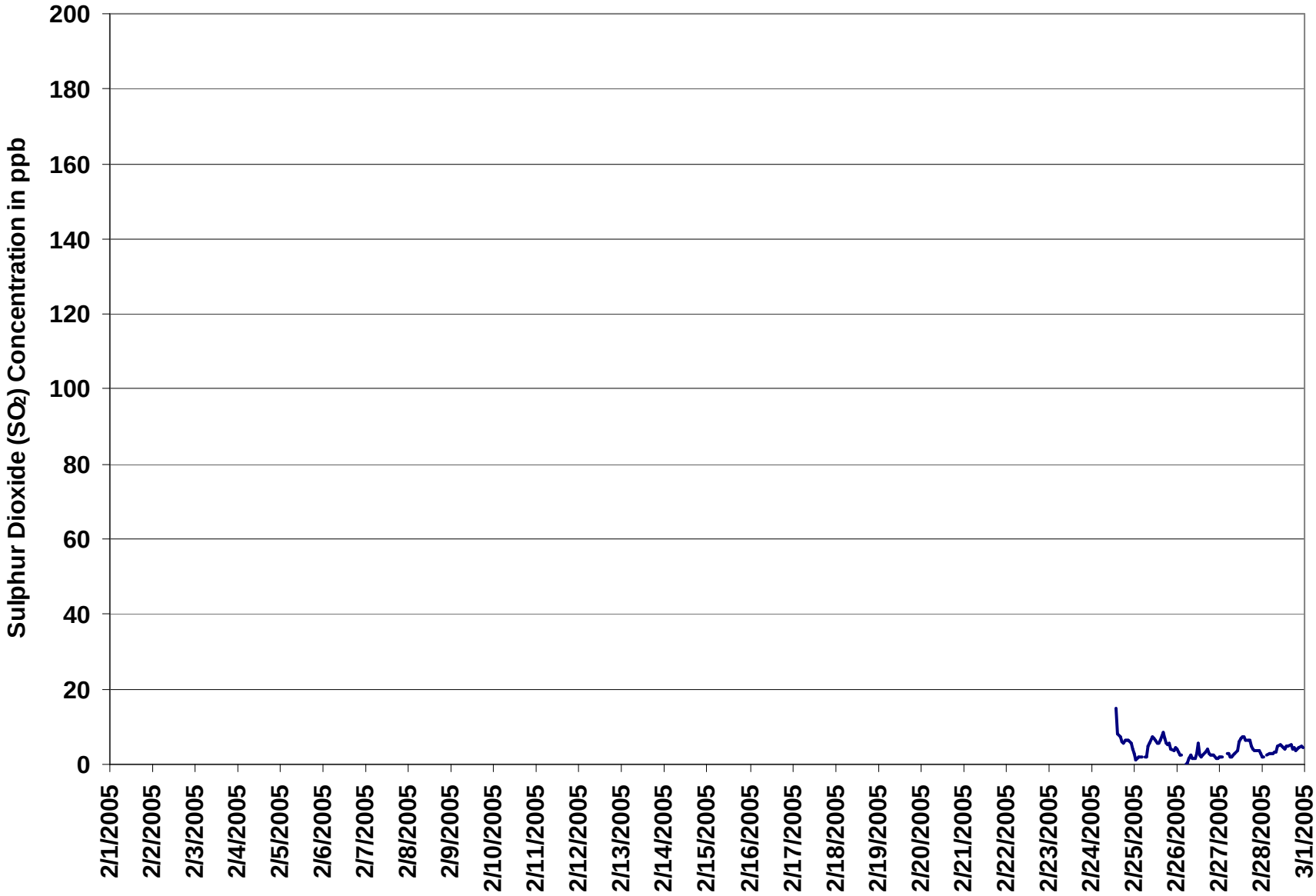
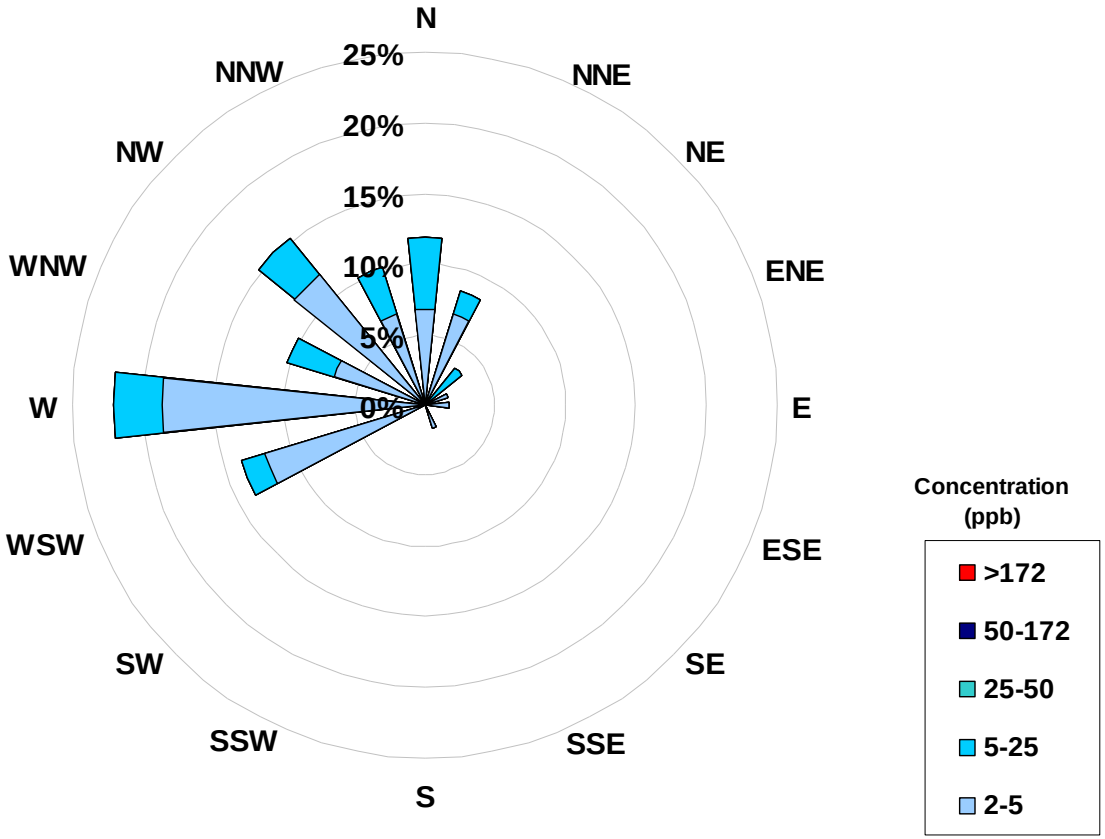


Figure 21. PASZA - Evergreen Park Sulphur Dioxide 1-hr Maximum Value Monthly Trend

Concentration Rose for the 1-hr SO_2 Average Concentration Occurrences at the Evergreen Park Site for February 2005



Frequency Distribution of SO_2 in ppb			
Range			Frequency (hrs)
0	<	2	42
2	to	5	45
5	to	25	15
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			102

Calms	
Range	
ppb	
2-5	0.0%
5-25	0.0%
25-50	0.0%
50-172	0.0%
>172	0.0%

PASZA - Evergreen Park Total Reduced Sulphur Monthly Summary

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	1.5	ppb	28-Feb	9:00 10:00
Maximum 24-hr Average:	0.8	ppb	28-Feb	

H_2S Guideline Limit: Alberta Environment: 1-hr 10 ppb | 24-hr 3 ppb

AIC Time:	4 hrs	Operational Time:	102 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	15.8%

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

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	0	0	1	1	1	1	1	1	N	0.8
25-Feb-05	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	0.6	0.9
26-Feb-05	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9
27-Feb-05	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
28-Feb-05	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	1.5
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.2	1.5	1.0	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8		

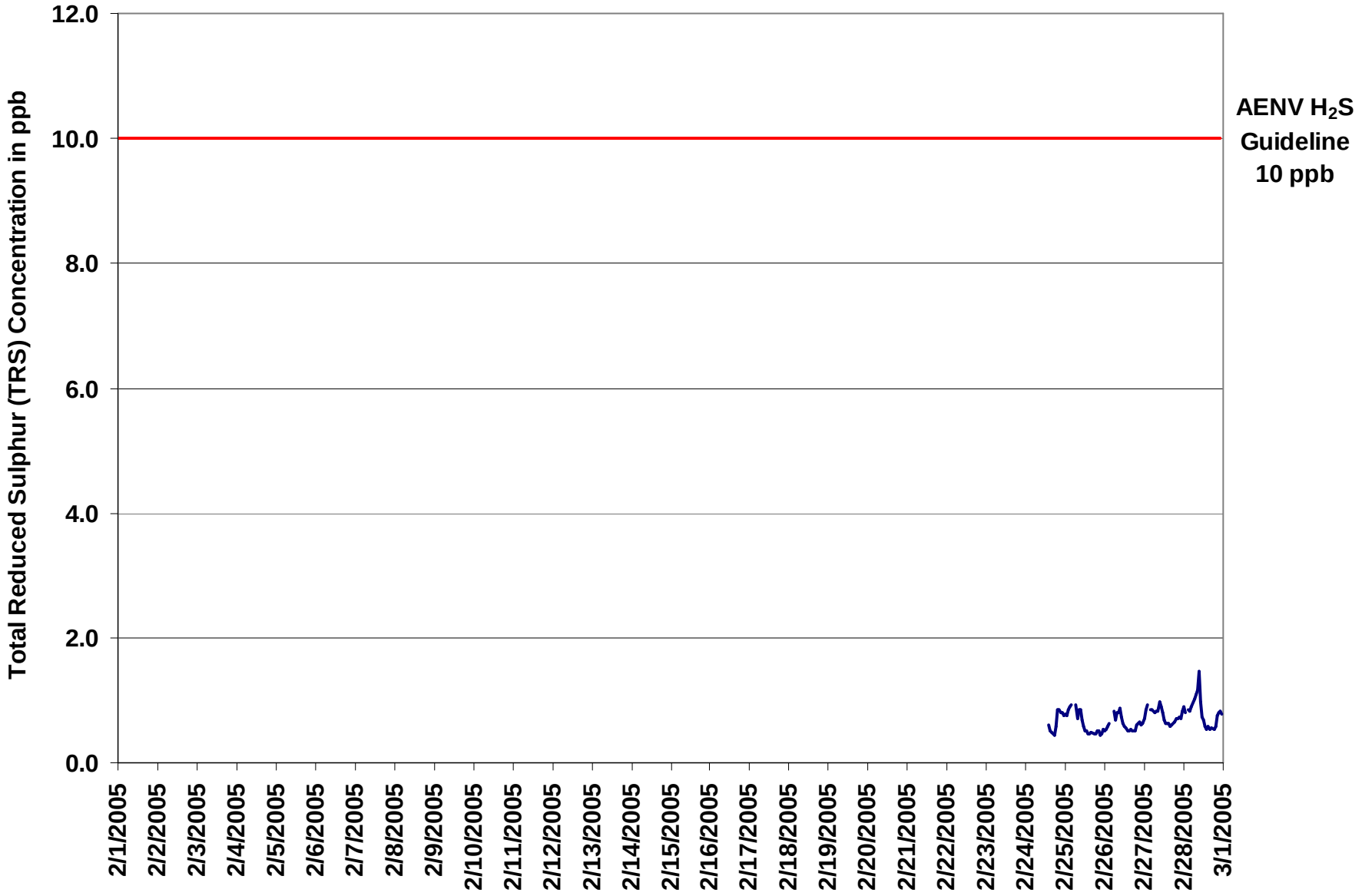


Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	4.0	ppb	25-Feb	16:00 17:00
Maximum 24-hr Value:	1.4	ppb	28-Feb	

AIC Time:	4 hrs	Operational Time:	102 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	15.8%

Percentile	99	95	75	50	25	5	1	Average
	2.5	1.7	1.4	1.2	1.1	0.9	0.9	1.3 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	1	1	1	2	2	1	2	1	N	1.5
25-Feb-05	1	1	1	2	2	A	1	1	2	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1.3	4.0
26-Feb-05	1	1	1	1	A	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.6
27-Feb-05	1	1	2	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.3	1.7
28-Feb-05	1	1	A	1	1	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	2	1	1	1	1.4	2.5
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
Hourly Max	1.3	1.4	1.6	1.6	1.6	1.6	1.5	1.5	1.9	2.5	1.7	1.4	1.3	1.9	1.1	1.1	4.0	1.1	1.2	1.5	1.5	1.4	1.5	1.7		

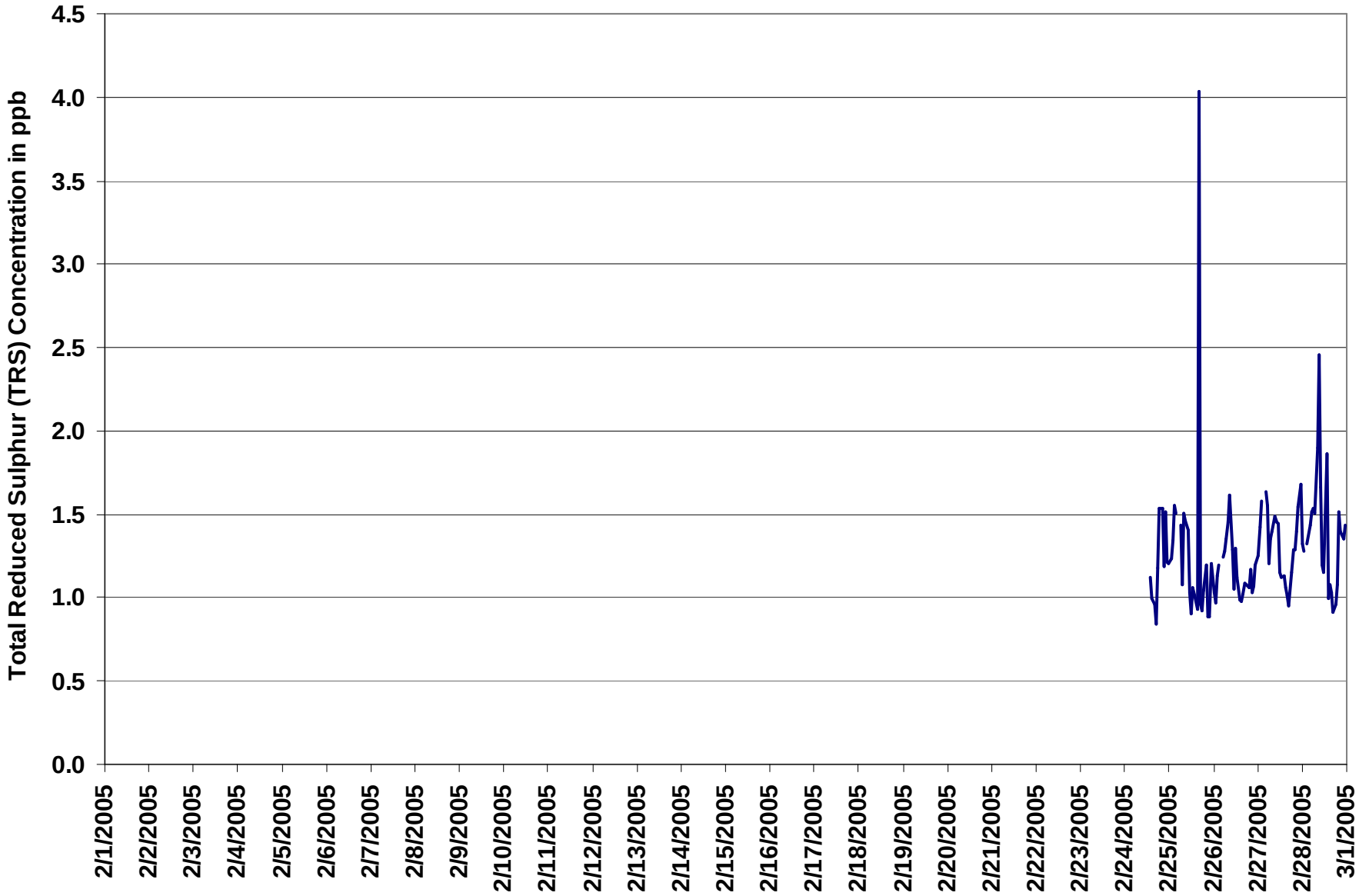


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Maximum Value Monthly Trend

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

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	17.8	µg/m³	28-Feb	9:00 10:00
Maximum 24-hr Average:	8.7	µg/m³	27-Feb	

Guideline Limit — Canada Wide Standard (considered as an absolute value): 1-hr - µg/m³ | 24-hr 30 µg/m³

AIC Time:	0 hrs			Operational Time:					106 hrs
Calibration Time:	0 hrs			AMD Operational Uptime:					15.8%
Percentile	99	95	75	50	25	5	1	Average	Geomean
	16.7	14.4	9.5	6.2	3.7	0.6	0.0	6.8 µg/m³	6.4 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-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	0	1	6	14	16	12	10	7	5	N	15.9
25-Feb-05	7	7	11	10	10	8	9	5	7	10	12	9	4	0	5	4	1	3	2	1	1	6	6	8	6.1	11.8
26-Feb-05	7	5	3	2	3	7	6	6	12	9	2	3	2	1	5	4	0	0	1	4	4	4	3	5	4.2	12.1
27-Feb-05	7	7	5	5	4	5	6	6	10	17	5	4	7	11	12	13	14	8	16	14	10	8	8	6	8.7	16.8
28-Feb-05	4	6	3	4	4	5	5	7	13	18	14	6	3	0	8	14	8	4	8	9	12	11	13	9	7.8	17.8
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	7.2	7.0	11.2	10.2	9.7	8.4	9.0	6.6	12.8	17.8	14.5	9.4	7.2	11.0	11.9	13.8	14.2	8.2	16.0	15.9	12.2	11.0	12.5	8.7		

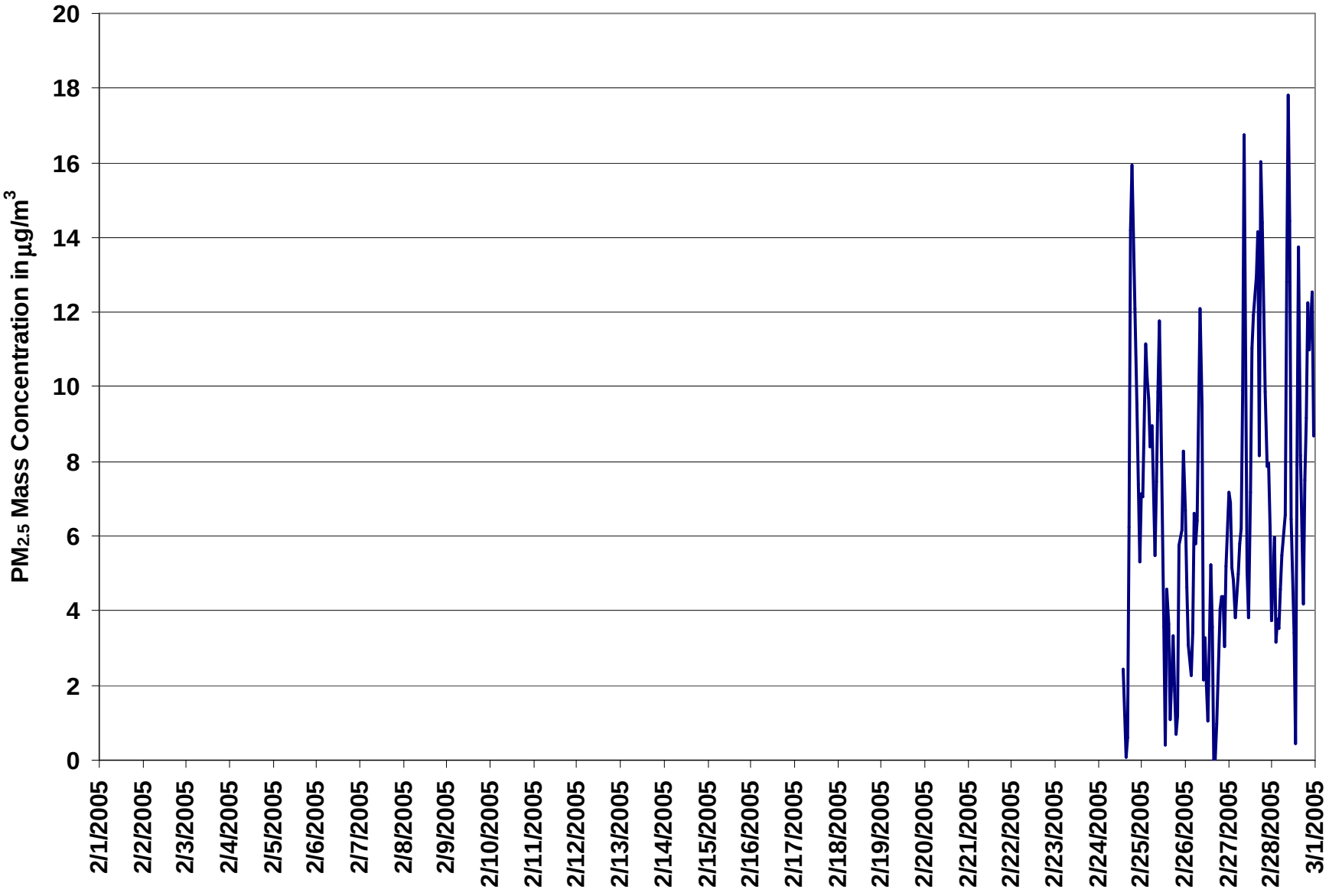


Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park

Station Owner: PASZA

HOURLY MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Value:	29.1	µg/m³	24-Feb	19:00 20:00
Maximum 24-hr Value:	12.7	µg/m³	27-Feb	

AIC Time:		0 hrs		Operational Time:					106 hrs
Calibration Time:		0 hrs		AMD Operational Uptime:					15.8%
Percentile	99	95	75	50	25	5	1	Average	Geomean
	26.0	20.8	16.0	10.3	7.3	3.5	1.8	11.4 µg/m³	10.9 µg/m³

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
16-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
17-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
18-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
19-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
20-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
21-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
22-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
23-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
24-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	20	2	3	20	20	29	19	17	11	10	N	29.1
25-Feb-05	9	13	19	16	12	12	12	8	11	17	21	17	10	2	10	9	4	9	8	5	4	7	8	15	10.8	20.9
26-Feb-05	15	7	5	4	7	11	11	12	18	21	9	6	6	6	10	8	2	1	4	10	9	7	5	8	8.5	21.3
27-Feb-05	14	11	8	7	7	8	8	9	17	23	16	7	10	14	14	18	20	12	20	19	12	10	11	11	12.7	23.3
28-Feb-05	6	9	6	6	5	7	7	11	19	26	26	10	8	3	18	17	14	7	17	16	15	15	16	12	12.3	26.0
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	14.9	12.8	19.4	16.4	11.5	12.0	11.6	12.0	18.9	25.6	26.0	17.3	10.1	13.7	20.4	18.2	19.8	20.5	20.2	29.1	19.2	16.6	16.1	15.2		

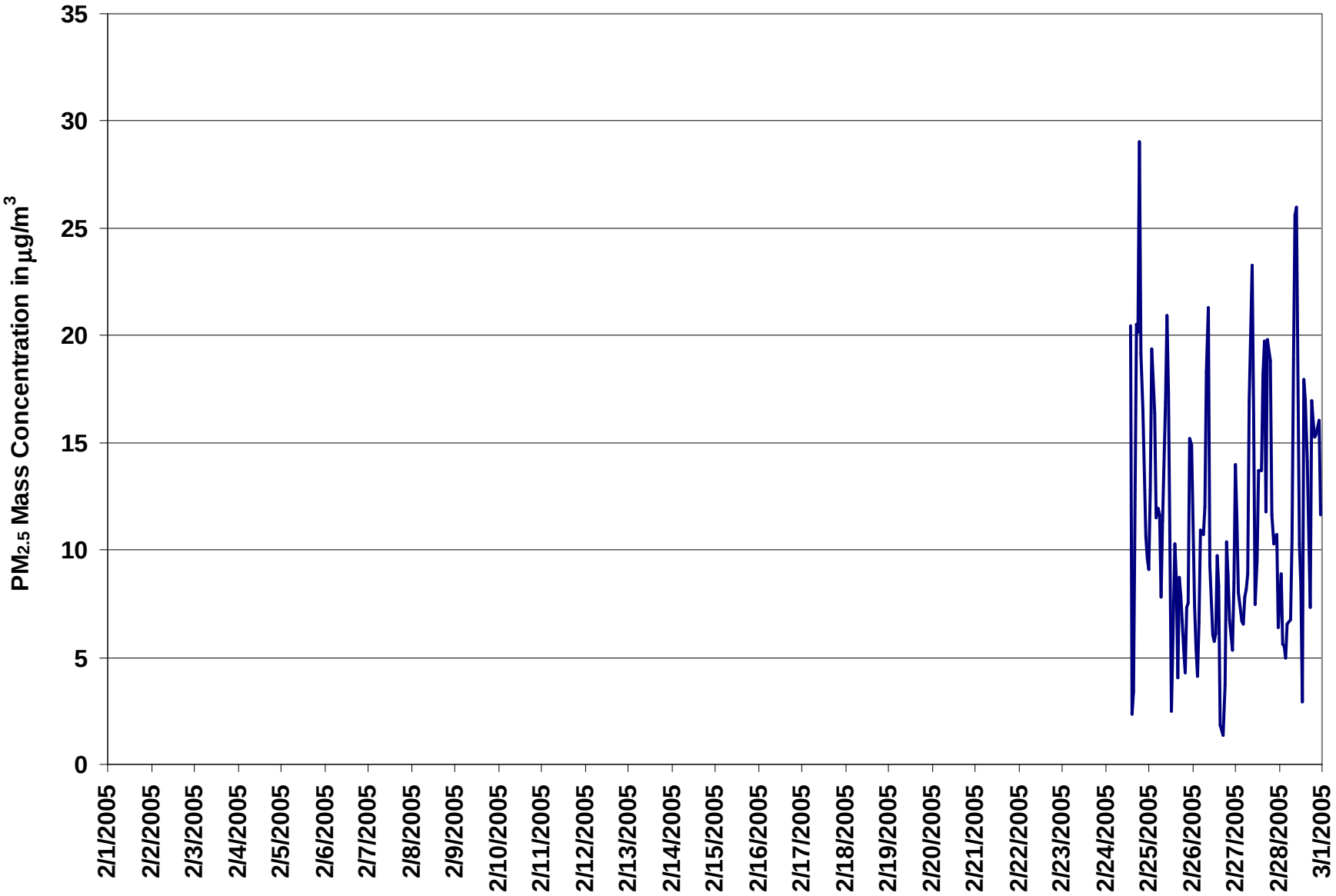
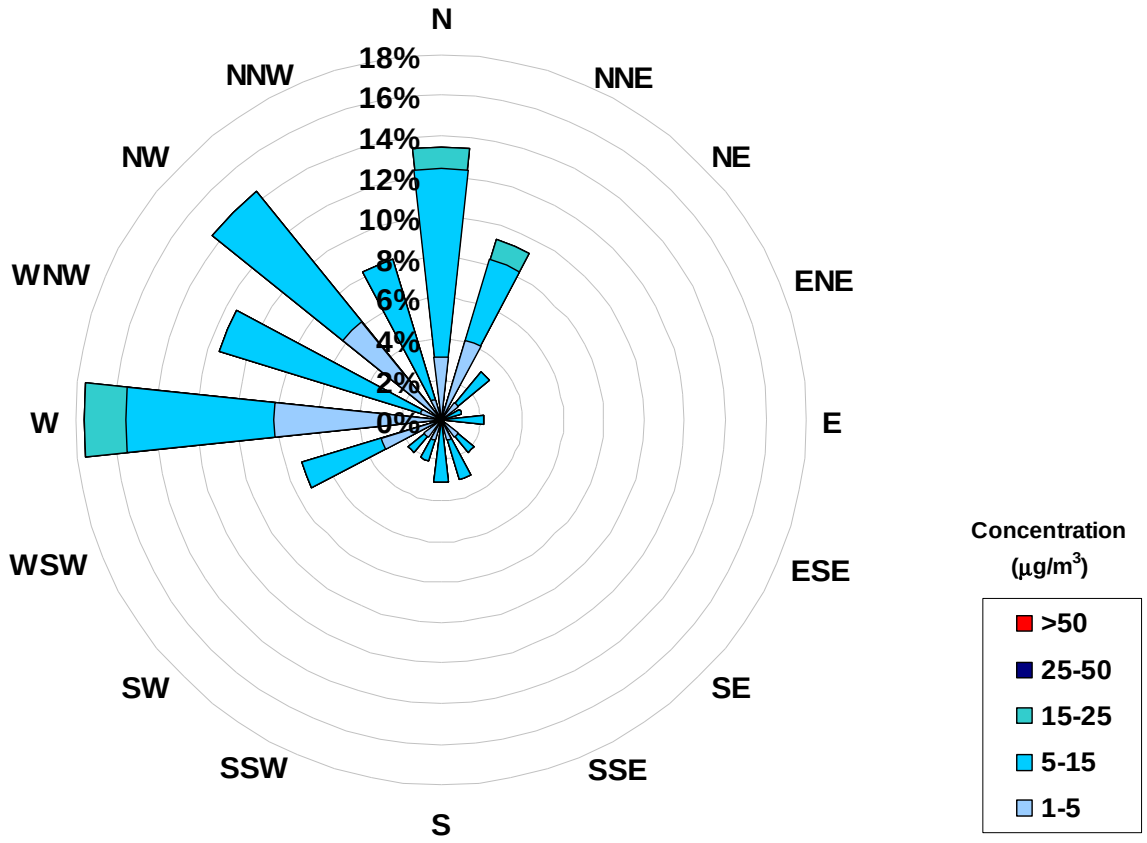


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Maximum Value Monthly

Concentration Rose for the 1-hr $PM_{2.5}$ Average Concentration Occurrences at the Evergreen Park Site for February 2005



Frequency Distribution of $PM_{2.5}$ in µg/m³			
Range			Frequency (hrs)
0	<	1	8
1	to	5	31
5	to	15	63
15	to	25	4
25	to	50	0
	>	50	0
Total Non-Zero Values			106

Calms	
Range µg/m³	
1-5	0.0%
5-15	0.0%
15-25	0.0%
25-50	0.0%
>50	0.0%

PASZA - Evergreen Park Meteorological Parameters Monthly Summary

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Ambient Temperature (AT - ℃)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	11.4	°C	23-Feb	14:00 15:00
Maximum 24-hr Average:	0.6	°C	23-Feb	

AIC Time:	0 hrs			Operational Time:			314 hrs		
Calibration Time:	0 hrs			AMD Operational Uptime:			46.7%		
Percentile	99	95	75	50	25	5	1	Average	
	10.3	6.7	-0.1	-4.6	-9.0	-14.5	-18.4	-4.3	ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	-8	-8	-5	-4	-3	-1	0	1	1	-2	-5	-5	-4	-4	-4	-5	N	1.0
16-Feb-05	-6	-10	-12	-13	-14	-14	-15	-15	-15	-12	-6	-3	-2	0	2	3	3	2	2	0	0	0	0	-1	-5.3	3.4
17-Feb-05	-1	-1	-1	-1	-2	-3	-4	-4	-4	-4	-3	-3	-1	0	1	1	0	-2	-4	-5	-7	-9	-10	-9	-3.2	0.7
18-Feb-05	-10	-10	-11	-12	-12	-12	-11	-11	-12	-10	-6	-5	-5	-4	-4	-4	-4	-5	-6	-6	-7	-8	-10	-12	-8.3	-3.9
19-Feb-05	-13	-13	-14	-14	-14	-12	-11	-11	-10	-8	-5	-5	-5	-4	-4	-4	-4	-5	-6	-6	-9	-12	-13	-14	-9.0	-4.2
20-Feb-05	-15	-16	-17	-18	-18	-18	-19	-19	-18	-15	-12	-10	-7	-5	-3	-1	0	-4	-6	-8	-10	-11	-12	-11	-11.3	-0.2
21-Feb-05	-10	-9	-9	-9	-9	-9	-9	-10	-12	-8	-3	-2	-1	1	0	1	0	-1	-3	-5	-7	-8	-9	-10	-5.9	1.3
22-Feb-05	-11	-11	-11	-13	-14	-14	-15	-15	-14	-11	-5	-1	3	4	5	5	4	3	0	-2	-4	-5	-6	-6	-5.5	5.5
23-Feb-05	-6	-7	-7	-7	N	-6	-6	-6	-5	-4	-2	5	9	10	11	11	10	8	N	-1	-3	N	4	N	0.6	11.4
24-Feb-05	N	N	N	N	N	N	N	N	N	N	0	2	3	4	6	7	8	5	1	-2	-4	-4	-5	-6	N	7.7
25-Feb-05	-7	-7	-7	-8	-8	-8	-8	-7	-6	-3	1	3	6	7	8	8	8	7	5	4	4	3	2	-1	-0.2	8.1
26-Feb-05	-2	-2	-3	-4	-5	-6	-7	-8	-7	-3	1	3	4	5	5	5	6	4	0	-2	-3	-4	-5	-6	-1.4	5.5
27-Feb-05	-7	-8	-8	-9	-10	-10	-10	-11	-10	-6	0	2	4	4	6	7	6	5	2	-2	-3	-4	-4	-4	-2.9	6.9
28-Feb-05	-6	-6	-7	-8	-9	-9	-10	-11	-9	-5	1	4	6	8	9	7	6	6	2	-2	-3	-4	-4	-5	-2.0	9.1
																									N	0.0
																									N	0.0
																									N	0.0
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	-1.0	-0.8	-0.5	-1.3	-2.1	-2.9	-4.2	-4.4	-4.4	-2.6	1.0	4.9	9.3	10.4	11.4	11.1	10.4	8.5	5.1	4.3	4.2	3.0	3.9	-0.8		

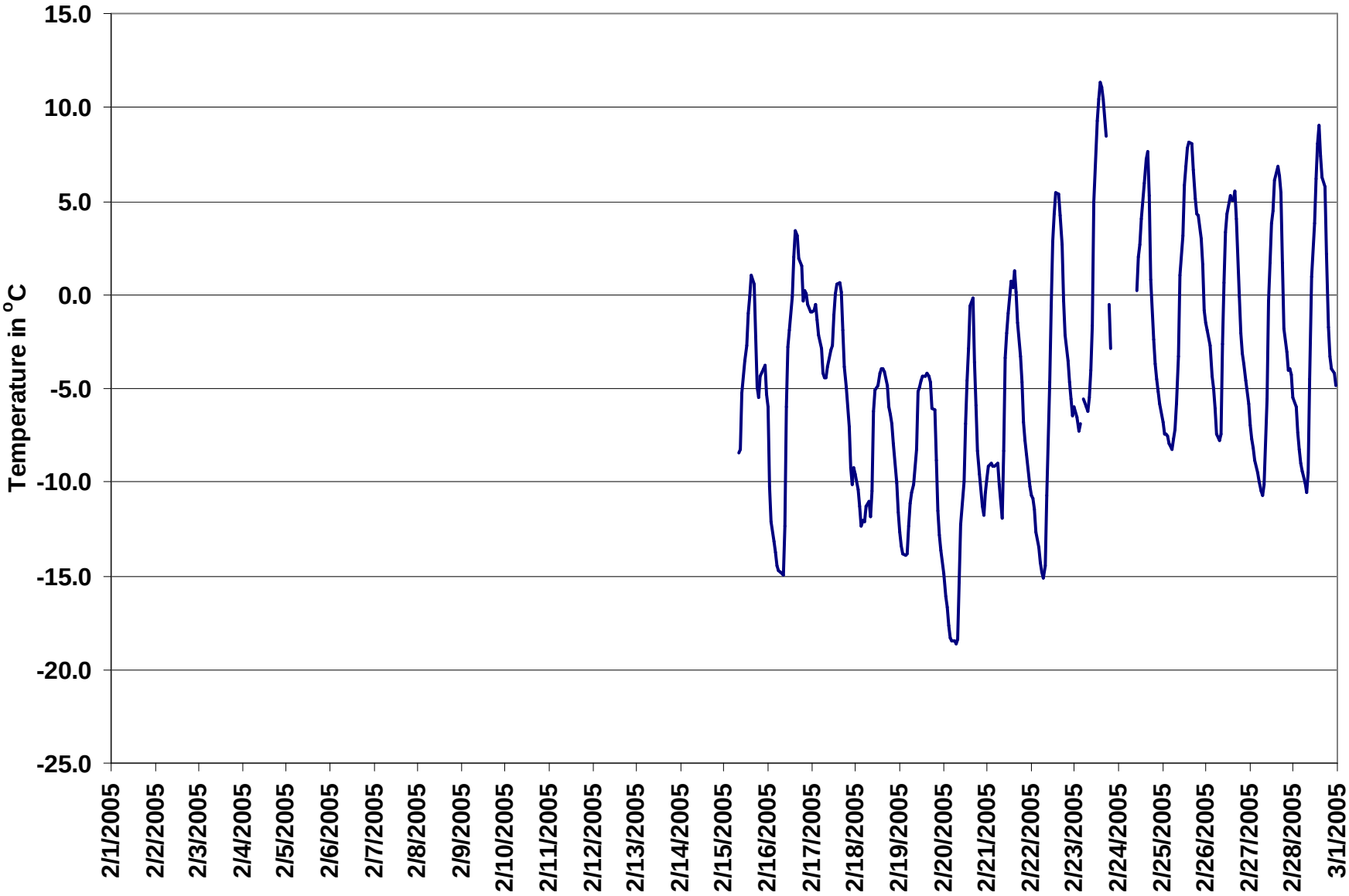


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Speed (WSv - Km/hr)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Maximum 1-hr Average:	18.4	km/hr	23-Feb	12:00 13:00
Maximum 24-hr Average:	5.6	km/hr	23-Feb	

Calm Time:	9 hrs	**3%** calms	Operational Time: 305 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 46.7%

Percentile	99	95	75	50	25	5	1	AverageS	AverageV
	14.2	11.6	6.9	4.4	2.3	1.2	1.0	5.0 km/hr	3.2 km/hr

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	8	8	11	8	10	12	11	8	6	3	2	6	10	8	9	7	N	12.3
16-Feb-05	7	3	3	3	1	2	2	2	2	3	3	6	8	6	6	8	14	10	8	2	11	14	11	9	4.6	13.9
17-Feb-05	11	12	12	11	12	10	8	11	10	8	9	8	7	5	5	5	8	9	8	6	4	5	7	7	4.1	12.2
18-Feb-05	5	5	2	3	2	calm	3	1	calm	3	4	7	7	7	9	7	6	6	6	6	6	6	3	3	3.5	8.5
19-Feb-05	2	1	2	calm	2	3	1	2	2	3	5	7	5	7	9	5	6	9	8	7	6	6	5	1	3.4	9.4
20-Feb-05	3	calm	3	1	1	3	2	3	1	3	4	7	7	7	6	7	4	6	2	4	2	2	2	4	2.6	7.5
21-Feb-05	3	4	calm	1	3	3	2	1	2	1	2	6	7	4	6	7	7	6	3	2	3	3	3	3	1.7	7.3
22-Feb-05	3	4	1	2	1	1	2	3	1	2	1	3	2	6	7	5	3	2	calm	5	2	2	3	2	1.7	6.6
23-Feb-05	2	1	1	1	N	1	3	1	6	5	3	9	18	14	15	15	11	4	N	2	2	N	10	N	5.6	18.4
24-Feb-05	N	N	N	N	N	N	N	N	N	N	4	6	7	8	6	6	6	5	4	4	2	2	3	3	N	8.3
25-Feb-05	1	1	1	2	2	2	calm	1	1	1	6	5	9	11	8	10	12	13	12	13	14	12	9	6	5.4	14.2
26-Feb-05	7	5	6	5	5	5	2	1	2	3	5	2	7	6	7	6	6	7	6	1	2	1	3	3	3.4	7.1
27-Feb-05	3	2	1	3	2	1	1	5	calm	2	3	4	5	7	7	7	6	5	4	3	2	3	5	4	3.2	7.1
28-Feb-05	3	5	1	calm	1	3	2	2	1	3	3	4	5	6	3	7	6	5	3	1	2	1	3	4	2.2	6.6
																									N	0.0
																									N	0.0
																									N	0.0
1-hr Vector	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Hourly Max	10.7	12.2	12.2	11.3	11.6	10.0	8.2	10.9	9.7	7.8	11.3	8.9	18.4	13.7	14.6	14.7	13.9	12.6	12.0	12.8	14.2	13.6	11.0	8.8		

Station: Evergreen Park

Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD - Degrees)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Calm Time:	0 hrs	**0%** calms			Operational Time:			314 hrs		
Calibration Time:	0 hrs				AMD Operational Uptime:			46.7%		
Percentile	99	95	75	50	25	5	1	Average		
	356.5	347.1	297.5	262.9	168.9	16.1	1.2	295 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
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15-Feb-05	N	N	N	N	N	N	N	N	276	260	272	292	270	275	277	272	311	5	287	287	263	263	260	239	N
16-Feb-05	236	62	71	83	64	155	206	168	217	268	236	270	262	270	287	295	329	301	291	199	251	267	270	290	273
17-Feb-05	277	287	293	275	281	281	267	268	281	290	298	298	274	332	1	21	68	68	74	88	69	65	66	70	312
18-Feb-05	58	52	359	0	300	141	302	248	287	230	307	342	357	44	45	17	33	343	324	329	327	326	309	246	347
19-Feb-05	258	273	228	55	174	269	298	182	282	280	301	309	333	338	326	309	275	260	248	235	190	190	184	56	274
20-Feb-05	206	260	217	181	283	344	308	319	349	242	278	263	271	277	241	258	341	59	79	39	22	267	227	311	280
21-Feb-05	286	234	217	11	280	252	346	236	102	305	348	227	222	245	6	49	45	57	41	332	281	279	255	327	306
22-Feb-05	286	210	14	4	291	183	199	228	25	64	214	282	325	276	272	347	238	10	213	35	194	242	355	326	283
23-Feb-05	227	269	360	26	N	181	42	256	220	220	352	273	264	272	271	257	263	299	N	334	18	N	261	N	271
24-Feb-05	N	N	N	N	N	N	N	N	N	N	349	322	347	346	25	38	47	5	354	274	305	299	276	239	N
25-Feb-05	186	7	74	221	171	142	89	149	84	164	278	286	249	259	276	277	284	277	265	256	255	256	255	263	259
26-Feb-05	269	315	306	341	319	271	293	298	318	327	278	273	259	2	3	8	44	66	60	46	353	319	30	23	335
27-Feb-05	355	277	295	256	211	188	42	205	285	20	338	308	317	345	345	352	1	1	355	330	309	334	324	288	325
28-Feb-05	13	250	155	127	312	230	39	21	343	263	297	273	260	243	321	359	20	30	30	324	304	288	288	348	318
																									N
																									N
																									N
Hourly Avg	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	

Station: Evergreen Park

Station Owner: PASZA

STANDARD DEVIATION TABLE

Wind Direction (WD - Degrees)

Monitoring Dates: February 1, 2005 to March 1, 2005

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms		Operational Time:		314 hrs	
Calibration Time:	0 hrs			AMD Operational Uptime:		46.7%	
Percentile	99	95	75	50	25	5	1
	62.3	56.1	37.5	24.2	14.0	7.7	4.9

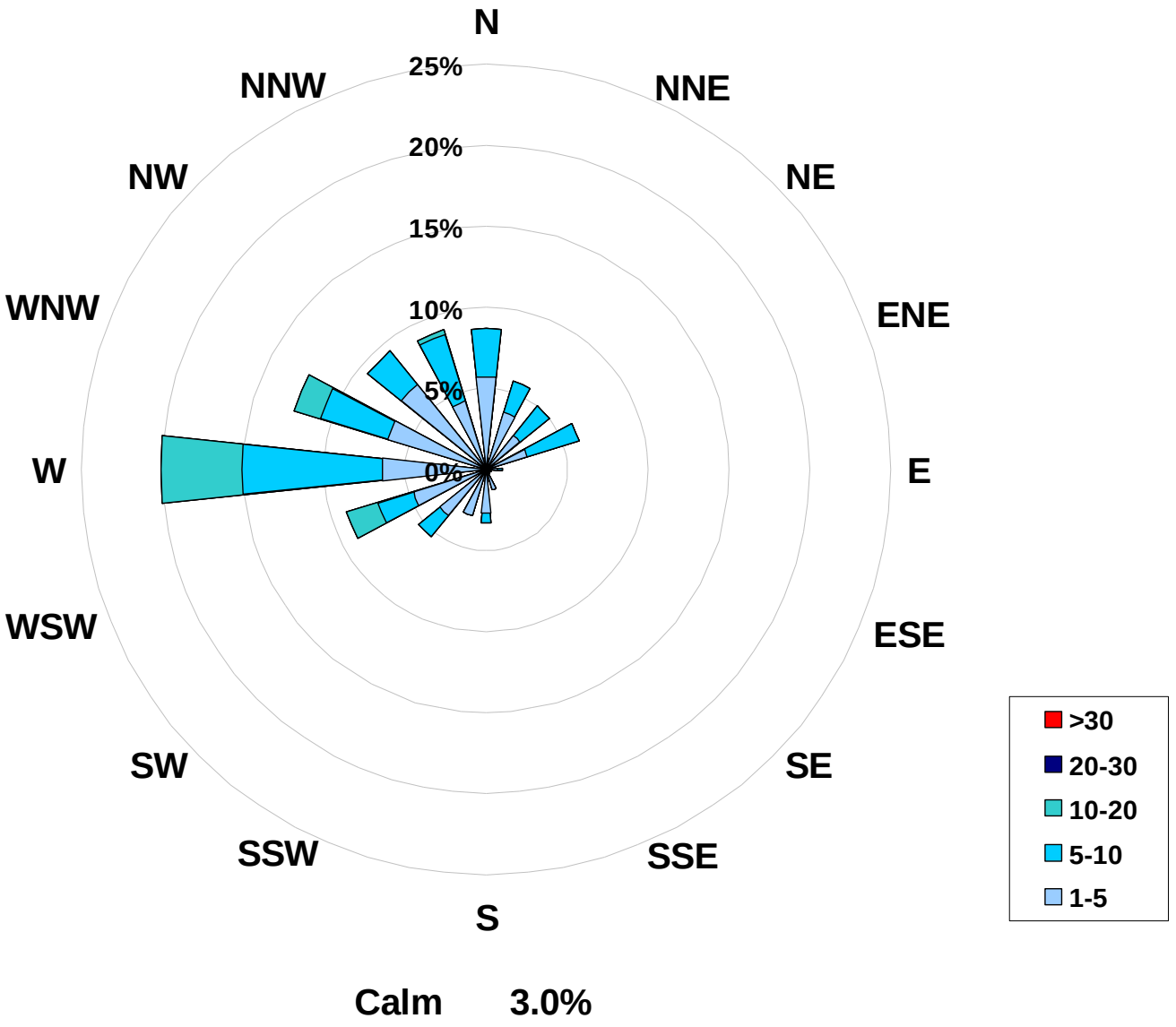
Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
2-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
3-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
4-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
5-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
6-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
7-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
8-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
9-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
10-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
11-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
12-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
13-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-05	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
15-Feb-05	N	N	N	N	N	N	N	N	10	10	10	20	12	12	12	14	18	52	62	23	7	9	7	11	61.8
16-Feb-05	13	30	21	26	47	37	62	34	29	39	34	17	9	19	30	19	8	11	14	43	6	7	9	18	62.3
17-Feb-05	10	9	12	9	11	12	11	7	13	17	15	21	21	31	45	27	16	10	12	11	18	16	6	9	44.8
18-Feb-05	12	13	41	27	44	60	31	36	43	45	25	14	18	17	16	20	21	20	11	14	14	12	22	31	59.7
19-Feb-05	44	56	29	47	51	38	40	43	34	51	29	23	53	25	24	29	28	12	8	14	8	5	15	30	56.5
20-Feb-05	27	41	26	49	30	25	36	37	58	23	29	10	10	17	15	18	20	12	28	12	26	36	36	17	58.1
21-Feb-05	25	21	35	56	42	42	38	61	34	29	26	13	10	30	22	20	11	19	24	38	56	33	39	25	60.9
22-Feb-05	27	9	37	38	50	48	36	30	45	59	42	16	51	17	12	21	24	31	54	22	42	32	36	29	59.3
23-Feb-05	49	42	29	29	N	42	32	40	14	15	34	15	5	7	8	6	7	34	N	43	42	N	15	N	48.8
24-Feb-05	N	N	N	N	N	N	N	N	N	N	25	23	12	10	23	25	15	15	42	29	58	49	45	33	58.3
25-Feb-05	53	60	62	60	46	38	60	40	47	82	35	32	8	11	19	16	13	10	6	5	4	4	5	8	81.7
26-Feb-05	26	13	14	10	17	15	44	38	38	29	36	49	20	23	18	21	19	12	8	49	48	54	14	33	53.9
27-Feb-05	20	33	38	40	35	43	27	27	31	35	34	21	20	10	10	12	14	12	38	40	54	29	15	18	54.3
28-Feb-05	24	23	61	40	27	19	16	34	67	22	24	21	16	18	39	14	18	14	46	45	32	26	24	14	67.0
																									0.0
																									0.0
																									0.0
Hourly Max	53	60	62	60	51	60	62	61	67	82	42	49	53	31	45	29	28	52	62	49	58	54	45	33	

Wind Rose for the 1-hr Average Meterological Data at the Evergreen Park Site for February 2005



Calm 3.0%

PASZA Monthly Passive Data Summary

Table 1. PASZA Passive Stations for February 2005

Station Number	Station Name	PASZA SO2 ppb	PASZA O3 ppb	PASZA NO2 ppb	Site Legal
Duplicates					
24a	Flyingshot	**0.2**	**37.5**	**2.7**	
24b	Flyingshot	**0.3**	**41.6**	**3.6**	
25a	Gold Creek	**0.2**	**42.5**	**1.3**	
25b	Gold Creek		**39.8**	**2.4**	
14a	Karr Creek	**0.2**	**41.7**	**0.8**	
14b	Karr Creek	**0.3**	**45.7**	**0.8**	
49a	Grande Prairie HP	**0.3**	**27.0**	**16.5**	
49b	Grande Prairie HP	**0.4**	**25.6**	**17.8**	
1	Silver Valley	**1.4**	**50.0**	**1.6**	08-27-081-11 W6M
2	Bay Tree	**0.6**	**40.5**	**0.6**	13-16-078-13 W6M
3	Forth Creek	**0.6**	**54.4**	**1.2**	04-13-082-07 W6M
4	Gordondale	**0.8**	**42.8**	**1.2**	04-34-078-10 W6M
5	Boone Creek	**0.4**	**39.1**	**1.1**	01-23-076-11 W6M
7	Steeprock Creek	**0.2**	**42.1**	**0.9**	09-35-072-13 W6M
9	Spirit River	**0.5**	**41.0**	**1.9**	08-12-079-07 W6M
10	Woking	**0.8**	**48.5**	**1.1**	01-13-076-07 W6M
11	Webber Creek	**0.5**	**42.1**	**2.1**	09-36-074-09 W6M
12	Hythe	**0.2**	**40.1**	**2.5**	14-36-072-11 W6M
14	Sylvester	**0.2**	**43.7**	**0.8**	08-06-069-12 W6M
16	Beaverlodge	**0.4**	**41.8**	**3.2**	15-36-071-10 W6M
17	Poplar	**0.4**	**43.6**	**2.3**	13-06-073-08 W6M

Table 1. PASZA Passive Stations for February 2005 (Continued)

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
18	Saddle Hills	**0.6**	**43.6**	**1.7**	04-25-074-07 W6M
19	Wanham	**0.6**	**42.6**	**1.1**	16-22-077-03 W6M
20	Shaftesbury	**0.3**	**43.4**	**1.1**	04-03-082-23 W5M
21	Eaglesham	**0.3**	**43.9**	**1.0**	16-21-079-25 W5M
23	Bear Lake	**0.5**	**46.1**	**2.8**	15-31-072-06 W6M
24	Wembley	**0.3**	**39.5**	**3.1**	12-31-070-08 W6M
25	Pinto Creek	**0.2**	**41.1**	**1.8**	04-24-069-11 W6M
26	Flyingshot	**0.2**	**35.7**	**4.5**	15-36-070-07 W6M
27	Grande Prairie I	**0.4**	**29.9**	**14.5**	08-15-071-06 W6M
28	Clairmont Lake	**0.5**	**45.6**	**2.5**	09-06-073-04 W6M
29	Smoky Heights	**0.9**	**46.4**	**1.3**	04-06-075-02 W6M
30	Fitzsimmons	**0.3**	**44.2**	**3.0**	15-36-072-03 W6M
32	Gold Creek	**0.2**	**32.6**	**3.3**	06-33-067-05 W6M
33	Wapiti	**0.3**	**39.3**	**2.9**	02-25-071-03 W6M
34	Puskwaskau	**0.2**	**38.1**	**2.0**	15-35-074-25 W5M
35	Jean Cote	**0.4**	**45.1**	**1.3**	12-35-079-21 W5M
36	Guy	**-**	**41.4**	**1.0**	03-04-076-22 W5M
37	Crooked Creek	**0.4**	**37.6**	**2.8**	16-01-071-26 W5M
38	Karr Creek	**0.2**	**40.2**	**0.7**	10-16-065-02 W6M
39	Clouston Creek	**0.4**	**42.6**	**1.6**	12-01-073-22 W5M
40	McLennan	**0.5**	**43.4**	**1.3**	03-29-077-19 W5M
41	Valleyview	**0.4**	**43.1**	**1.5**	09-30-069-22 W5M
42	Sunset House	**0.5**	**43.6**	**1.0**	05-32-070-19 W5M
43	High Prairie	**0.3**	**39.3**	**2.7**	16-13-074-17 W5M
44	Peavine	**0.3**	**41.7**	**0.7**	03-05-079-15 W5M
45	Gift Lake	**0.2**	**37.3**	**2.2**	10-07-079-12 W5M
46	Little Smoky	**0.3**	**34.8**	**6.0**	12-01-065-21 W5M
47	Kinuso	**0.2**	**35.5**	**1.3**	12-10-073-10 W5M
48	Deer Mountain	**0.2**	**39.0**	**0.6**	15-22-068-09 W5M
49	Grande Prairie HP	**0.3**	**26.3**	**17.2**	17-26-071-06 W6M

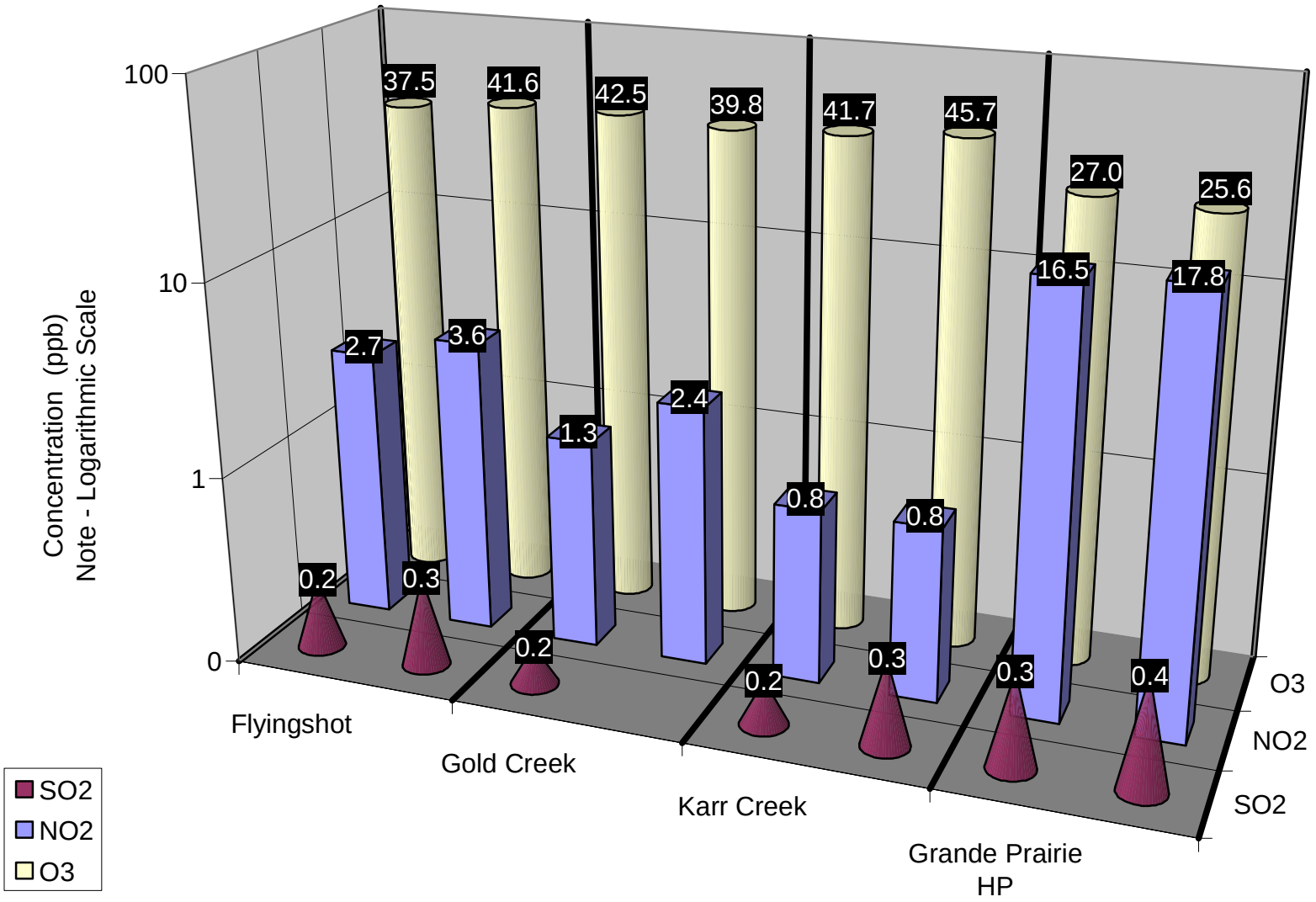


Figure 27. Duplicate Summary Chart

Table 2. Passive Summary Results for February 2005

Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2
	ppb	ppb	ppb
	Passive Summary for February 2005 (PASZA Zone)		
Mean	**0.4**	**41.2**	**2.5**
Standard Deviation	**0.2**	**5.0**	**3.2**
Minimum	**0.2**	**26.3**	**0.6**
	Kinuso (#47)	**Grande Prairie HP (#49)**	**Bay Tree (#2)**
Maximum	**1.4**	**54.4**	**17.2**
	Silver Valley (#1)	**Forth Creek (#3)**	**Grande Prairie HP (#49)**

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

	SO_2	O_3	NO_2
AENV Beaverlodge station	**0.5**	**34.2**	**6.0**
PASZA Beaverlodge passive	**0.4**	**41.8**	**3.2**

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

	SO_2	O_3	NO_2
PASZA Henry Pirker station	**0.8**	**17.6**	**22.2**
PASZA Grande Prairie passive	**0.3**	**26.3**	**17.2**

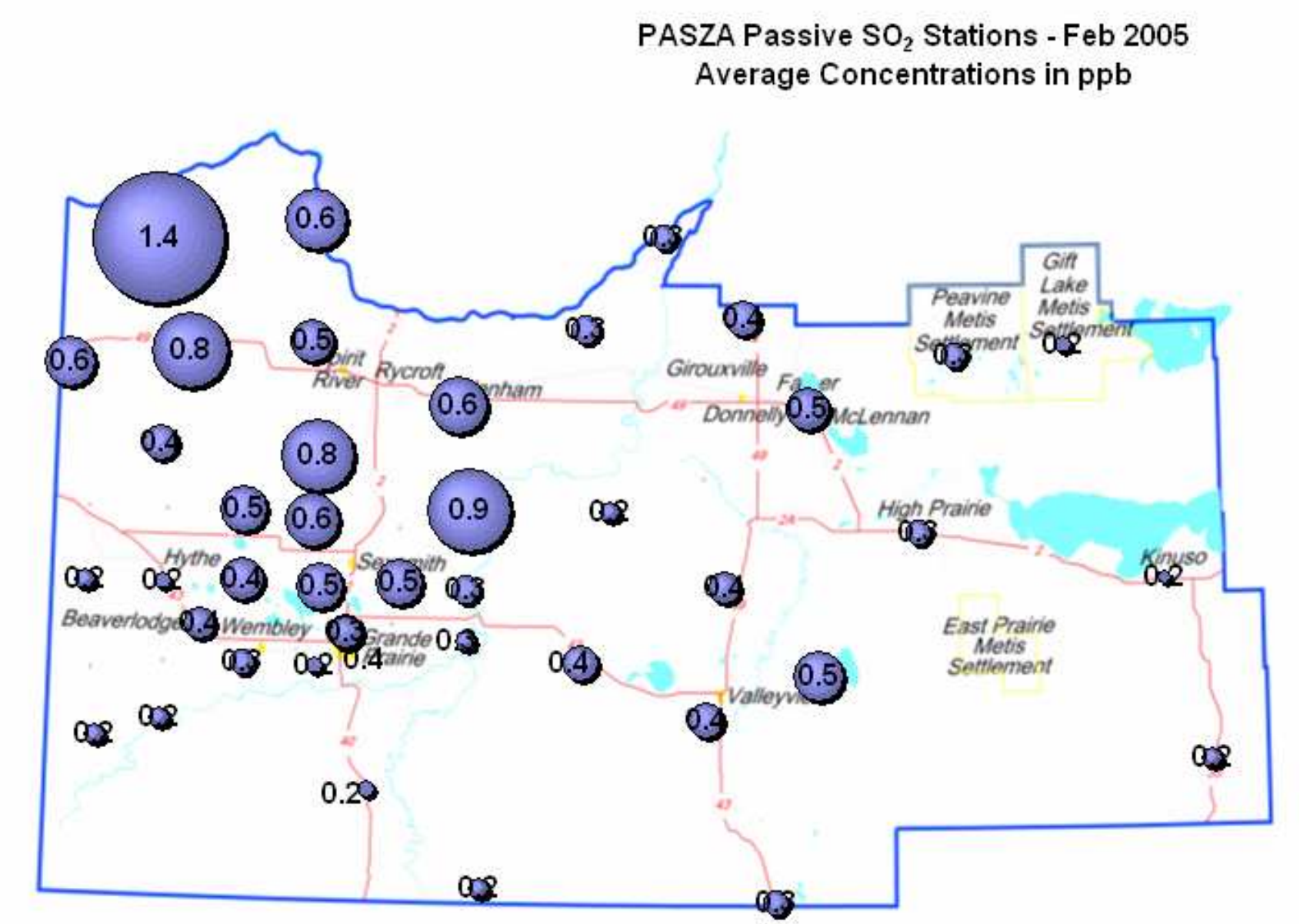


Figure 28. SO_2 Bubble Chart

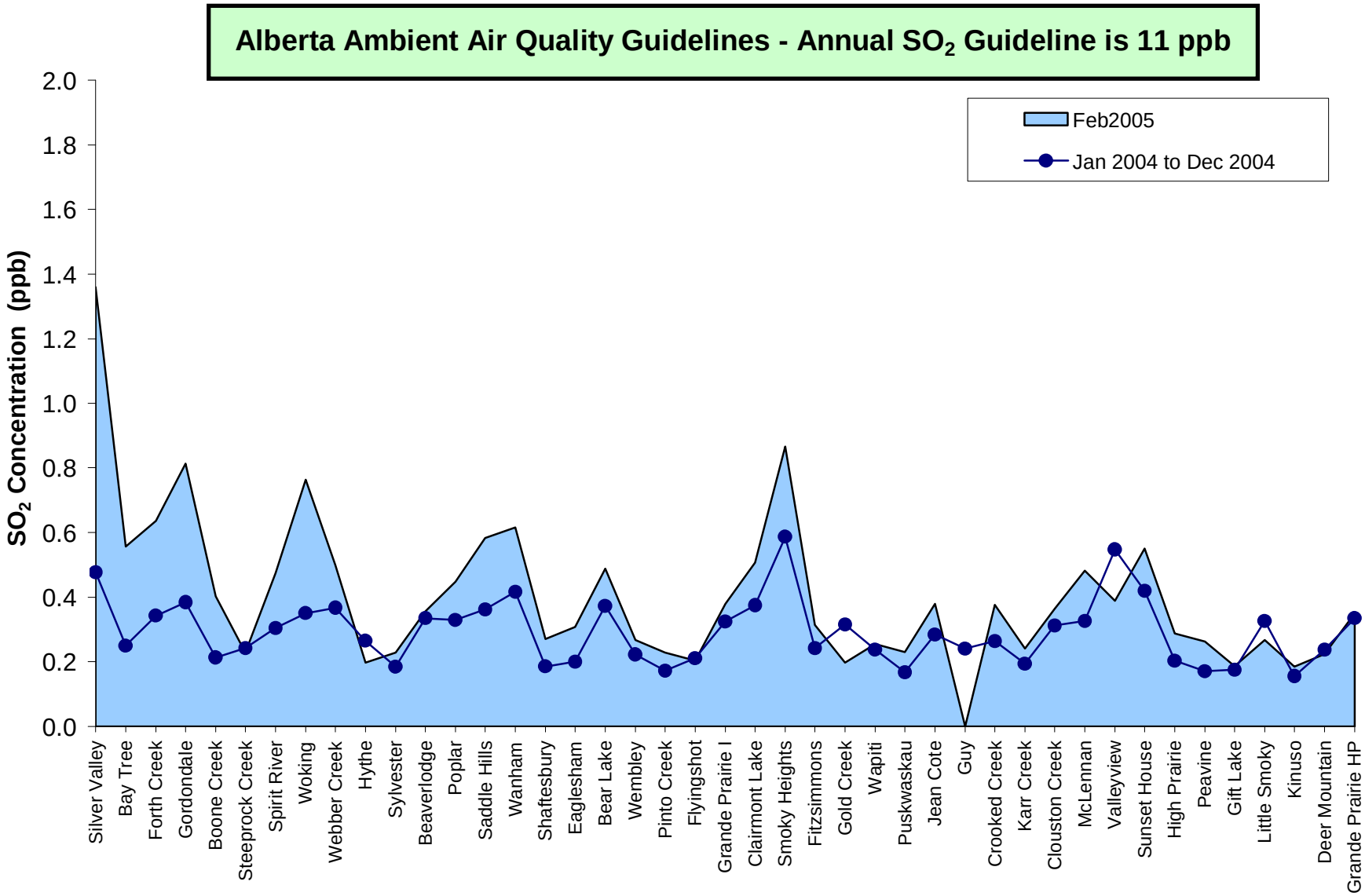


Figure 29. SO_2 Summary Chart

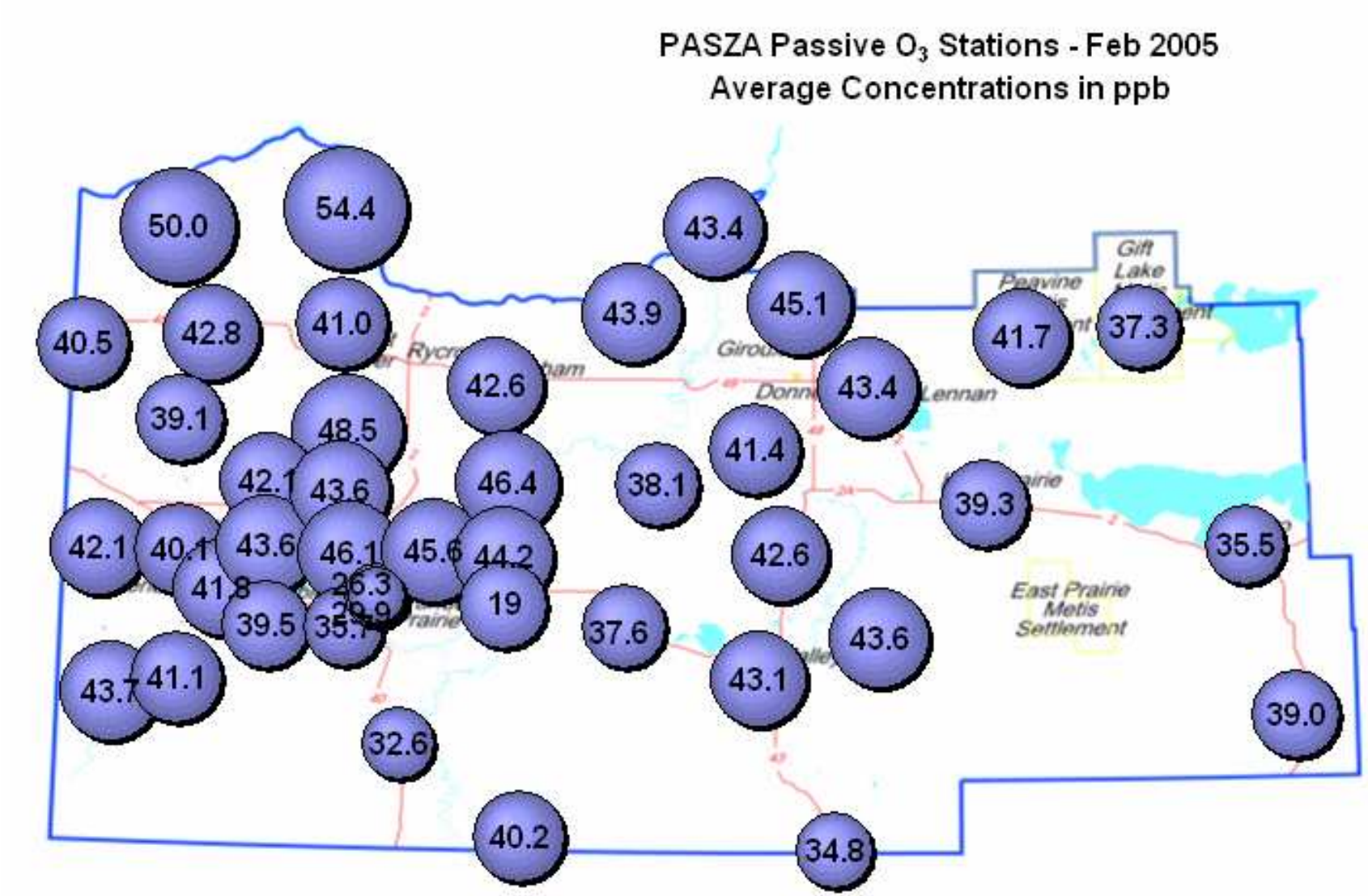


Figure 30. O_3 Bubble Chart

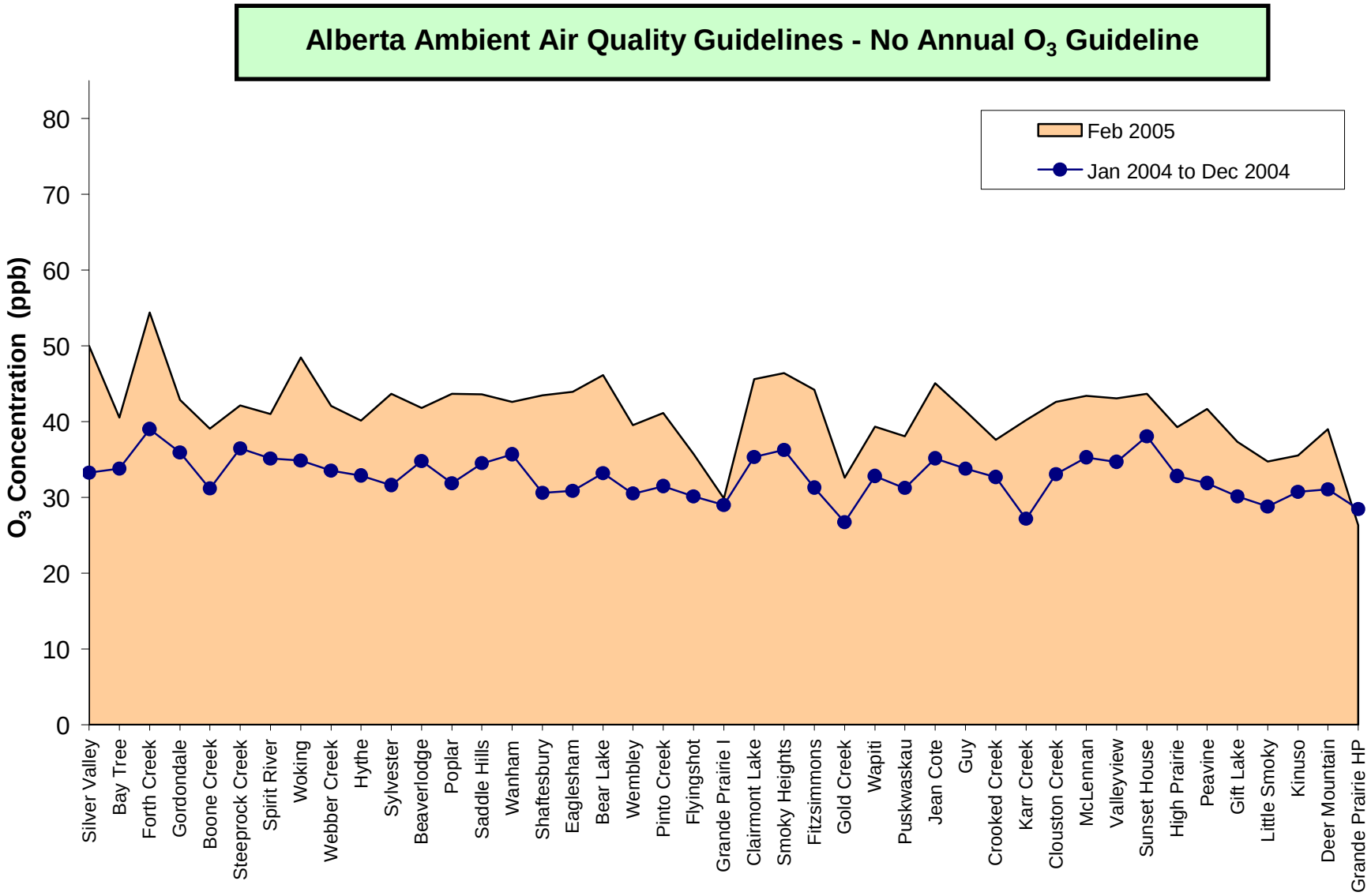


Figure 31. O_3 Summary Chart

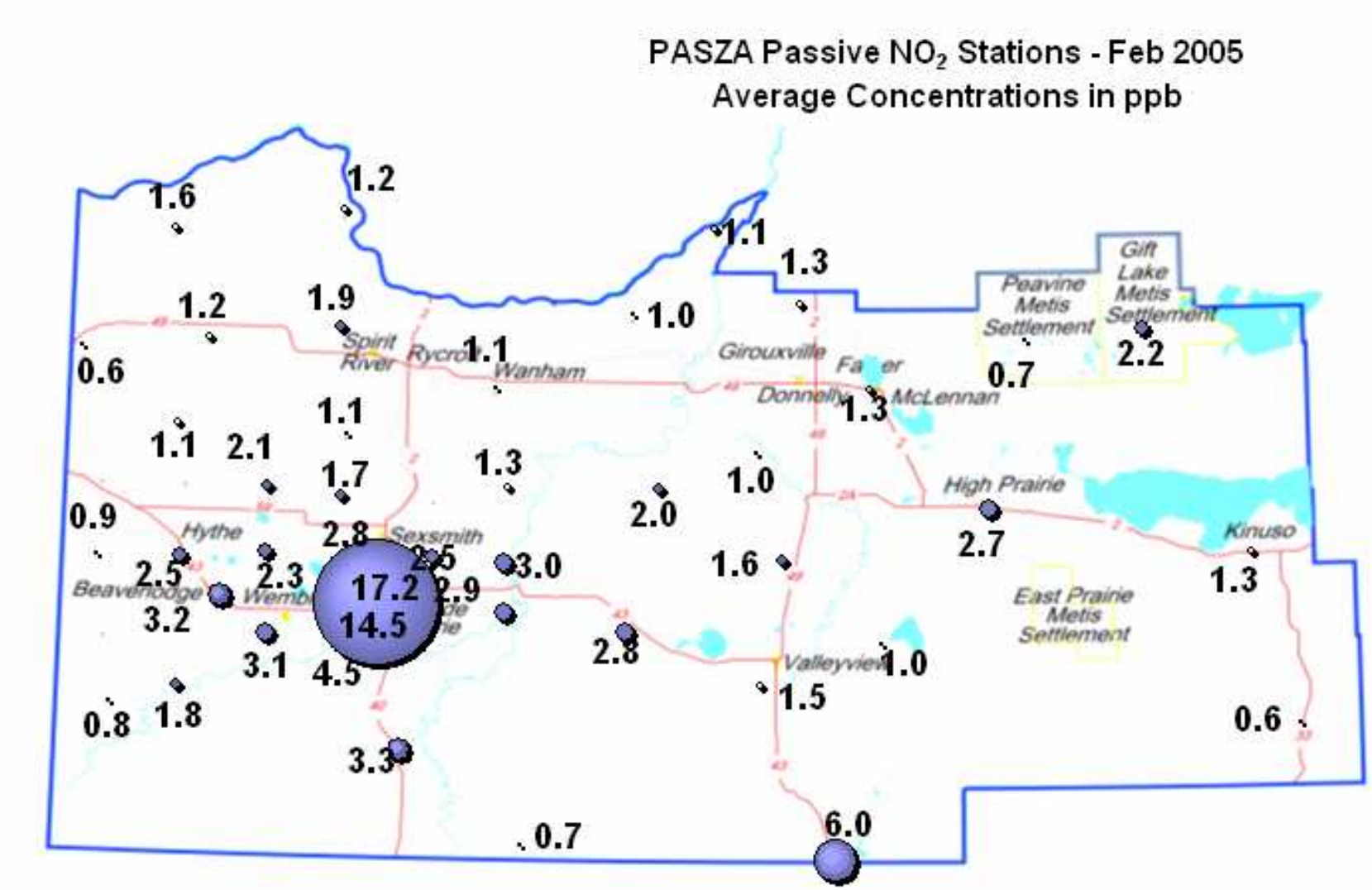


Figure 32. NO_2 Bubble Chart

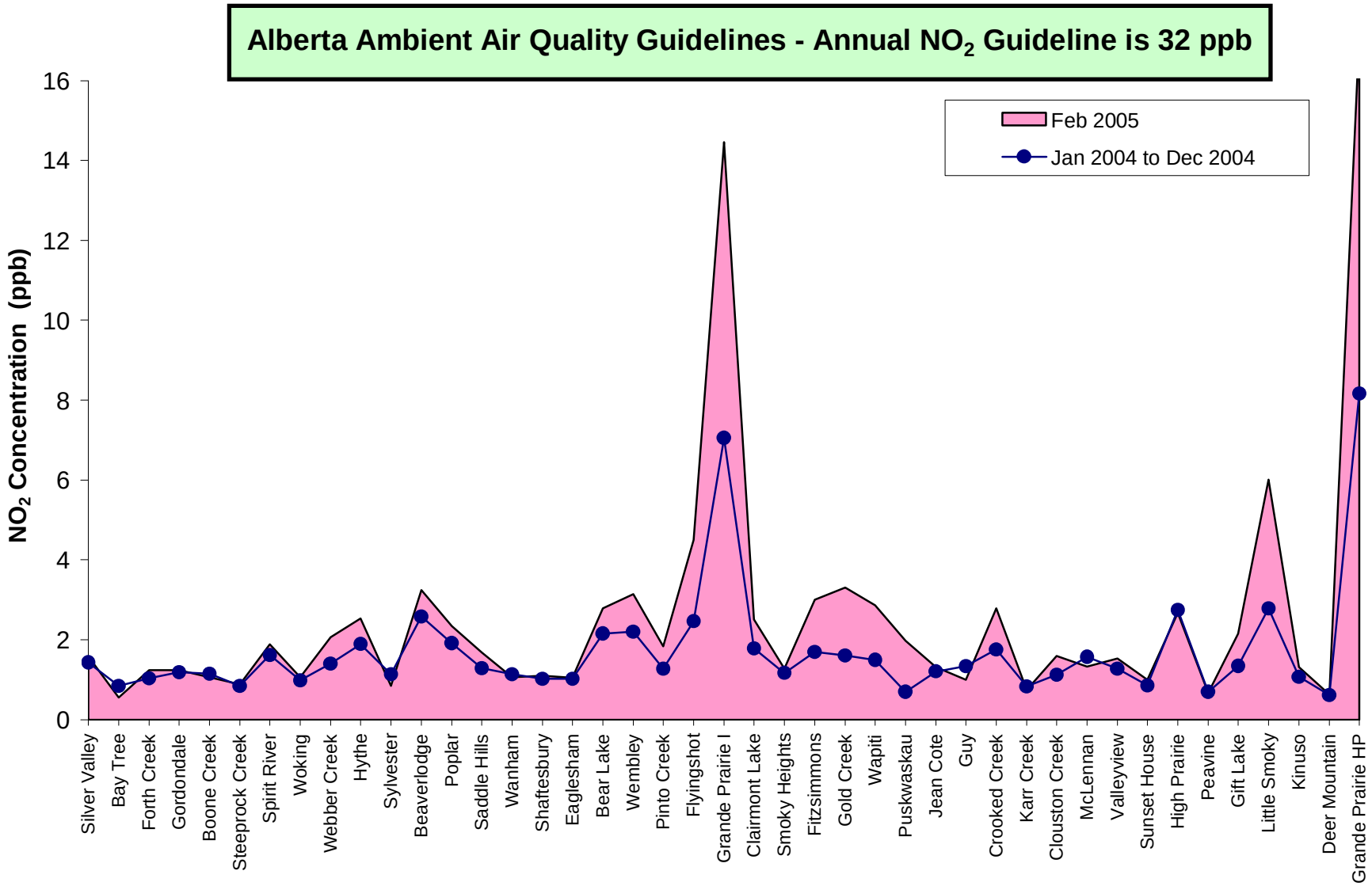


Figure 33. NO_2 Summary Chart

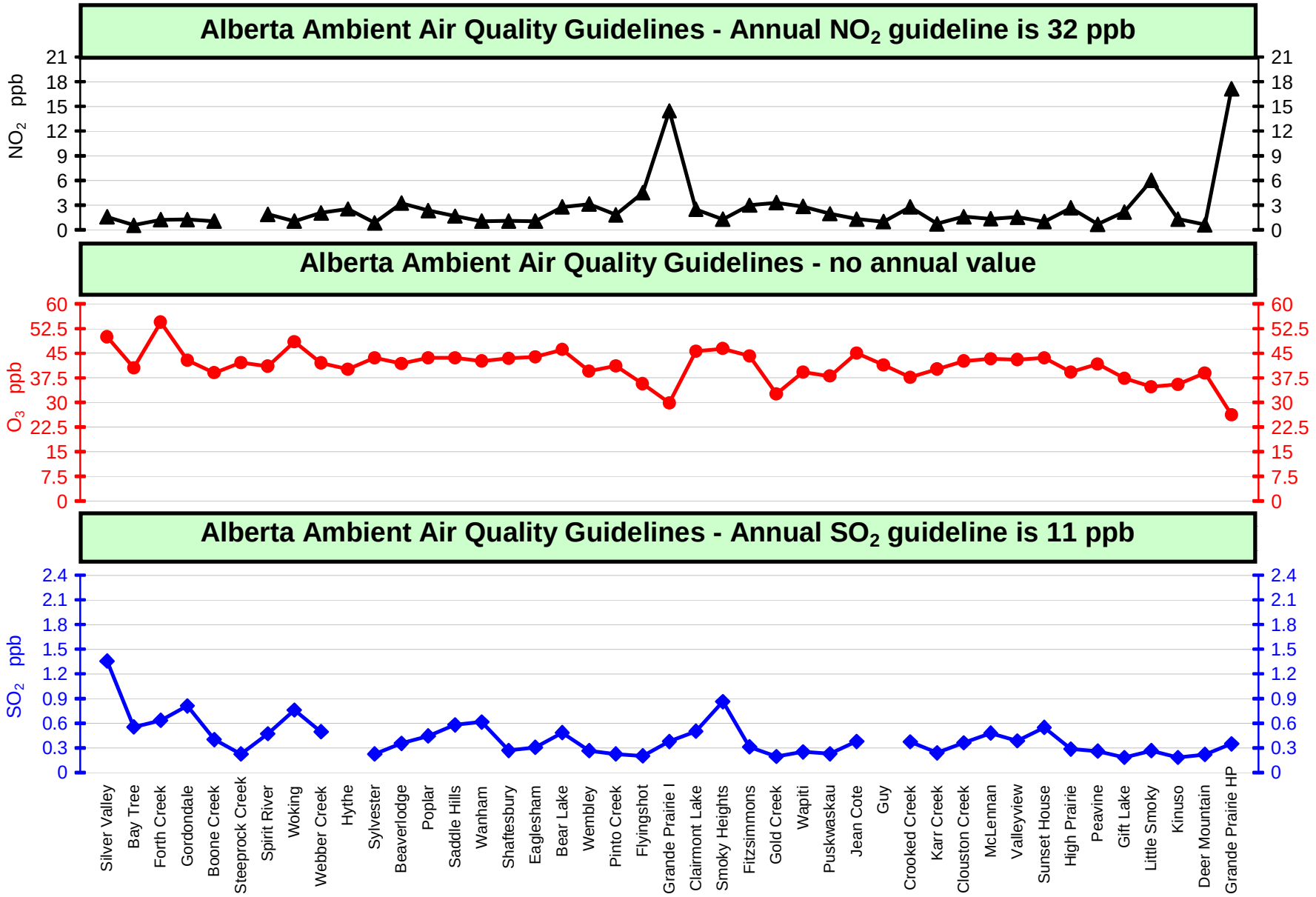


Figure 34. Overview Summary

February 2005 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 Station with the following calibrations:

SO_2, TRS

Calibration Report

Parameter **SO2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 26, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	11:40 - 13:00 Feb 23rd	End Time (MST)	10:40 - 13:30 Feb 24th
Barometric Pressure	27.7 inches Hg	Station Temperature	21.0 Deg C
Calibrator	Environics 6100	Serial Number	3016
Cal Gas Concentration	50.8 ppm	Cal Gas Expiry Date	11/22/2006
Gas Cert Reference	BAL786		
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	8
	Before		After
DACS slope	0.005000	DACS slope	0.005000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	1.001496	Calculated slope	1.005931
Calculated intercept	-0.806544	Calculated intercept	-0.438839
Analyzer make	TEI Model 43A	Analyzer serial #	43A-21120-195

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 zero pot	177		171	
SO2 span pot	129		210	
UV Lamp voltage	922	V	937	V
Sample Flow	450	ccm	430	ccm

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4993	0.00	0.0	0.0	N/A
4993	39.99	403.6	401.4	1.0055
4993	19.98	202.5	202.1	1.0019
4993	9.99	101.4	101.6	0.9982
4993	0.00	0.0	-0.7	As found zero
4993	39.99	403.6	419.8	As found span
			Average Correction Factor	1.0019

Calculated value of As Found Response: 420.3 ppm Percent Change of As Found: -4.1%

	before calibration		after calibration	
Auto zero	-1.4	ppm	-0.5	ppm
Auto span	341.1	ppm	338.1	ppm

Notes: Analyzer was zero and span adjusted. As found performed on Feb 23rd prior to DACS replacement; calibration completed on Feb 24th.

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **SO2**

Air Monitoring Network **PASZA**

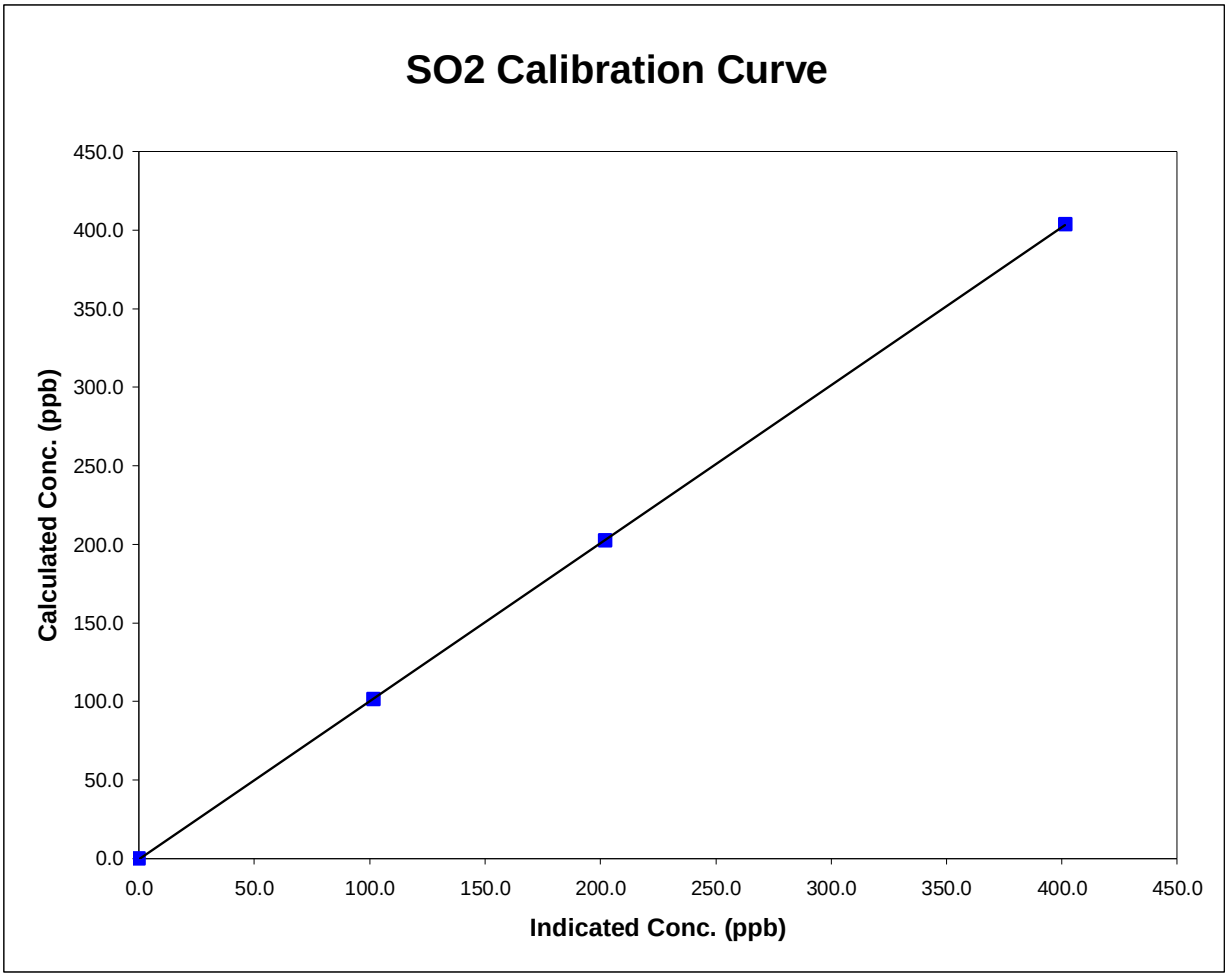
FOCUS AIR QUALITY MONITORING

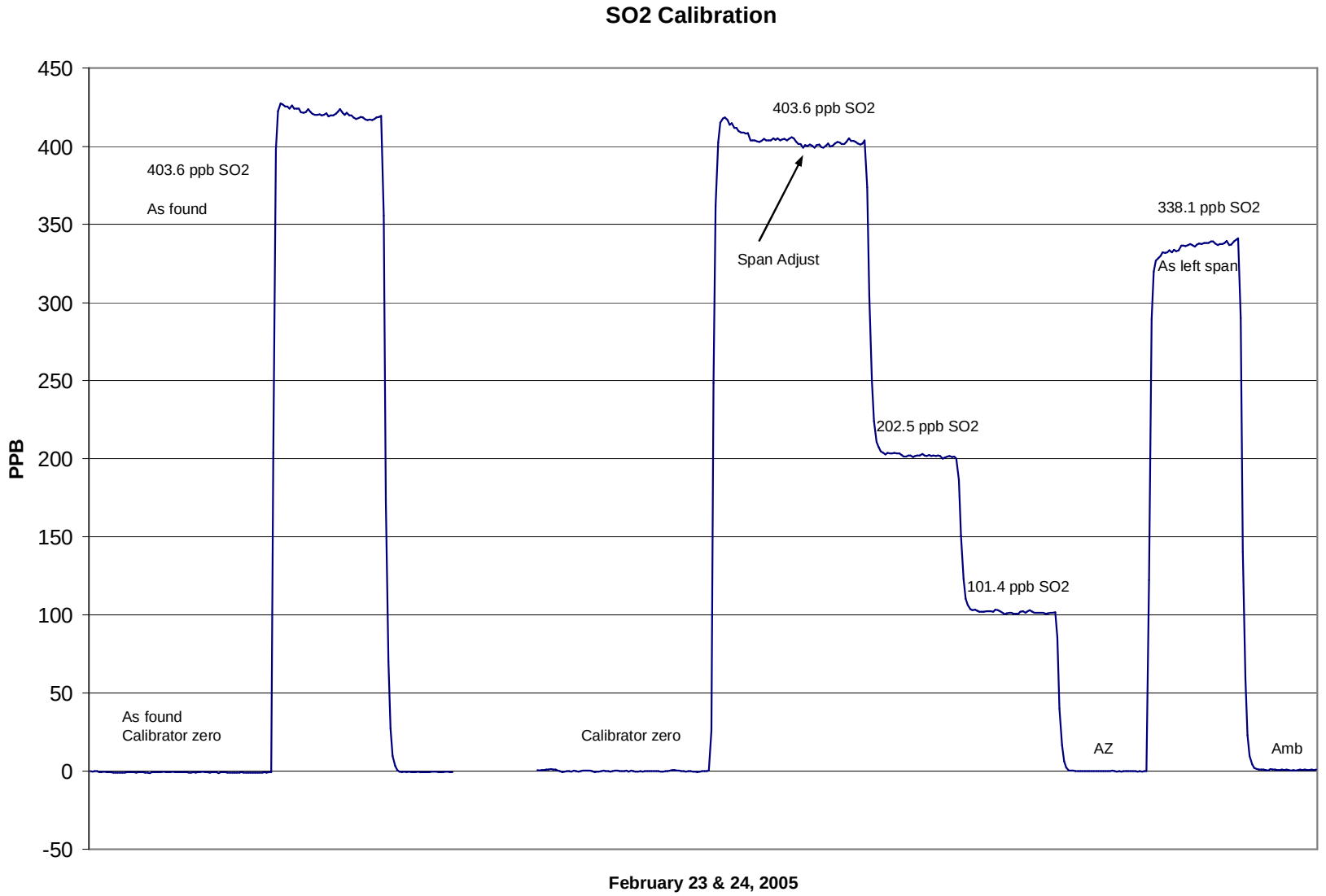
Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 26, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:40 - 13:00	End Time (MST)	10:40 - 13:30
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	0.0	N/A		
403.6	401.4	1.0055	Correlation Coefficient	0.999994
202.5	202.1	1.0019		
101.4	101.6	0.9982	Slope	1.005931
			Intercept	-0.438839




SO2 Calibration
450
400
350
300
250
200
150
100
50
0
-50
PPB
403.6 ppb SO2
As found
403.6 ppb SO2
Span Adjust
338.1 ppb SO2
As left span
202.5 ppb SO2
101.4 ppb SO2
As found
Calibrator zero
Calibrator zero
AZ
Amb
February 23 & 24, 2005

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	11:40 - 13:35	Feb 23rd	End Time (MST)	10:40 - 15:00	Feb 24th
Barometric Pressure	0.911	Atm	Station Temperature	20.9	Deg C
Calibrator	Environics 6100		Serial Number	3016	
NO Cal Gas Conc	50.3	ppm	Cal Gas Expiry Date	19-Jan-06	
NOx Cal Gas Conc	50.5	ppm	Cal Gas Serial #	ALM025793	

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269

Parameter		NO2	NOx	NO
Before	DACS slope	0.050000	0.050000	0.050000
	DACS offset	0.000000	0.000000	0.000000
After	DACS slope	0.050000	0.050000	0.050000
	DACS offset	0.000000	0.000000	0.000000
Before	Data Slope	1.010290	1.001234	1.002593
	Data Offset	1.072673	-0.320088	-0.889113
After	Data Slope	1.015225	1.002200	1.001593
	Data Offset	0.227447	-0.202538	-0.275547
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 - 500	ppb	0 - 500	ppb
NO background	9.9	ppb	10.5	mV
NOx background	10.5	ppb	11.1	mV
NO coefficient	1.375		1.449	
NOx coefficient	1.003		1.003	
Chamber Temp	49.9	Deg C	49.9	Deg C
Cooler Temp	0.1	Deg C	0.4	Deg C
Converter Temp	324.0	Deg C	323.0	Deg C
Vacuum	18.8	inches Hg	21.0	inches Hg
Box temp	29.4	ccm	29.0	ccm

Notes: Analyzer was zero and span adjusted. Vacuum pump was replaced and activated charcoal replaced in scrubber.

Calibration Report

Parameter **$NOx-NO-NO_2$**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: February 23 & 24, 2005 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	4993	0.00	0.0	0.0	0.0	0.1	0.0	0.2	N/A	N/A
1	4993	39.97	401.1	399.5	1.6	400.6	399.1	1.3	1.0012	1.0009
2	4993	19.98	201.3	200.5	0.8	200.4	200.2	0.1	1.0044	1.0013
3	4993	9.99	100.8	100.4	0.4	101.4	101.0	0.1	0.9948	0.9940
AFZ	4993	0.00	0.0	0.0	0.0	1.0	0.3	0.7	0.0000	0.0000
AFS	4993	39.97	401.1	399.5	1.6	368.8	366.7	1.9	1.0874	1.0892
							Average Correction Factor		1.0001	0.9988

As Found Concentrations: NO_X= 367.5 NO= 365.5 As Found Percent Change NO_X= -8.4% NO= -8.5%

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	401.7	400.8	0.9	400.7	400.4	0.0	1.0024	1.0009	N/A	N/A
350	401.7	83.1	320.6	399.3	83.2	315.8	1.0060	0.9983	1.0153	98.5%
200	401.7	219.6	185.1	401.4	219.5	182.0	1.0006	1.0003	1.0172	98.3%
100	401.7	311.3	93.3	402.3	311.1	91.2	0.9985	1.0007	1.0231	97.7%
					Average Correction Factor		1.0017	0.9998	1.0185	98.2%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	-0.7	0.9	-1.1	ppb	-0.2	0.2	-0.2	ppb
Auto span	399.6	401.9	1.5	ppb	404.9	407.6	2.2	ppb

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **PASZA**

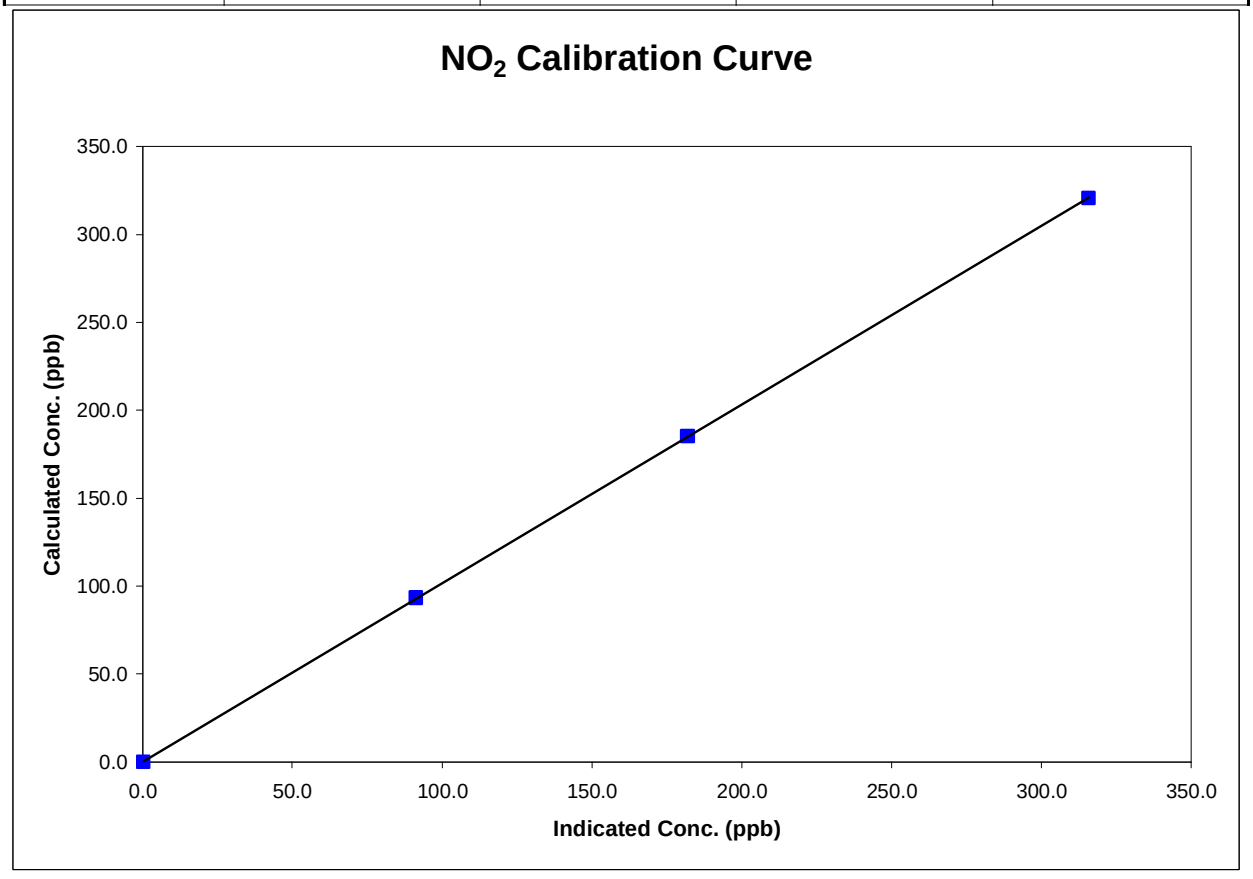
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:40 - 13:35	End Time (MST)	10:40 - 15:00
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.2	0.0000		
320.6	315.8	1.0153	Correlation Coefficient	0.999992
185.1	182.0	1.0172		
93.3	91.2	1.0231	Slope	1.015225
			Intercept	0.227447



Calibration Summary

Parameter **NO**

Air Monitoring Network **PASZA**

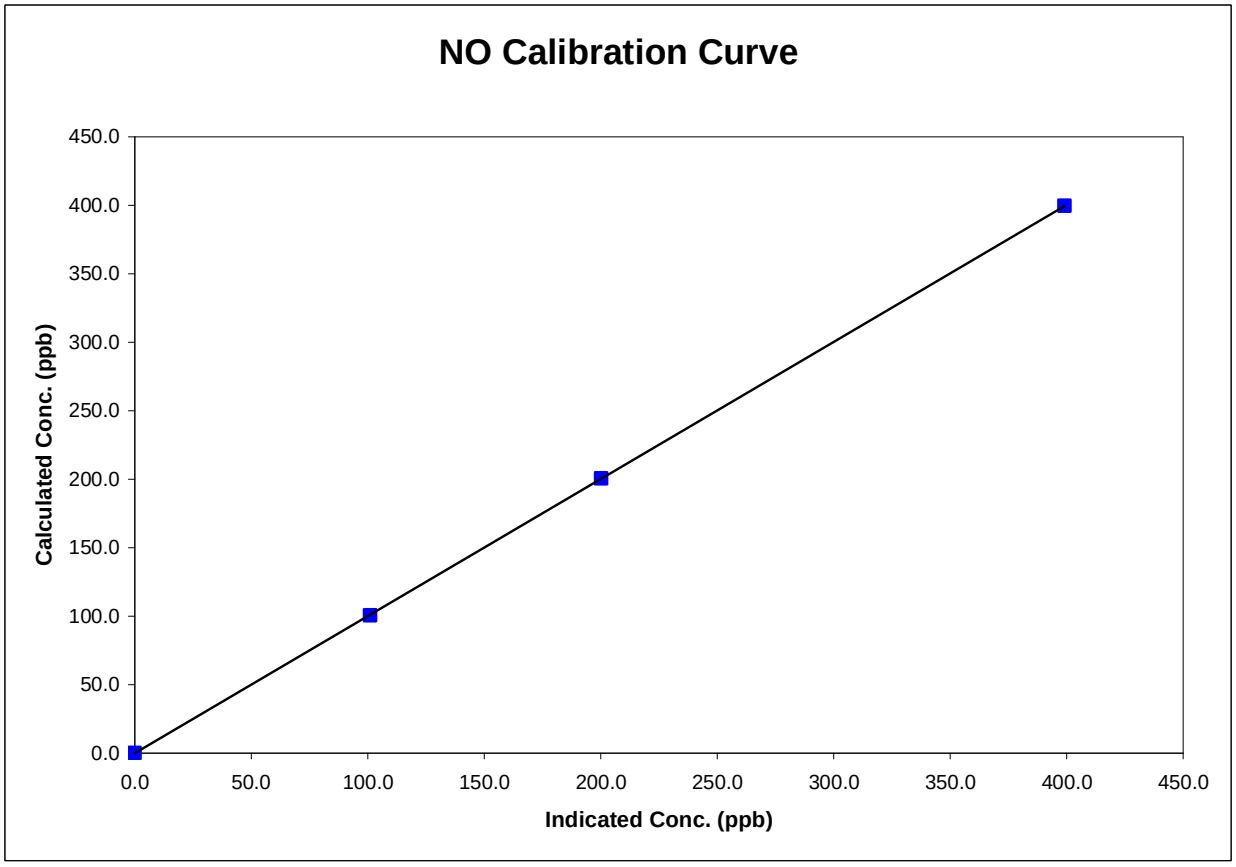
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:40 - 13:35	End Time (MST)	10:40 - 15:00
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
399.5	399.1	1.0009	Correlation Coefficient	0.999996
200.5	200.2	1.0013		
100.4	101.0	0.9940	Slope	1.001593
			Intercept	-0.275547



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **PASZA**

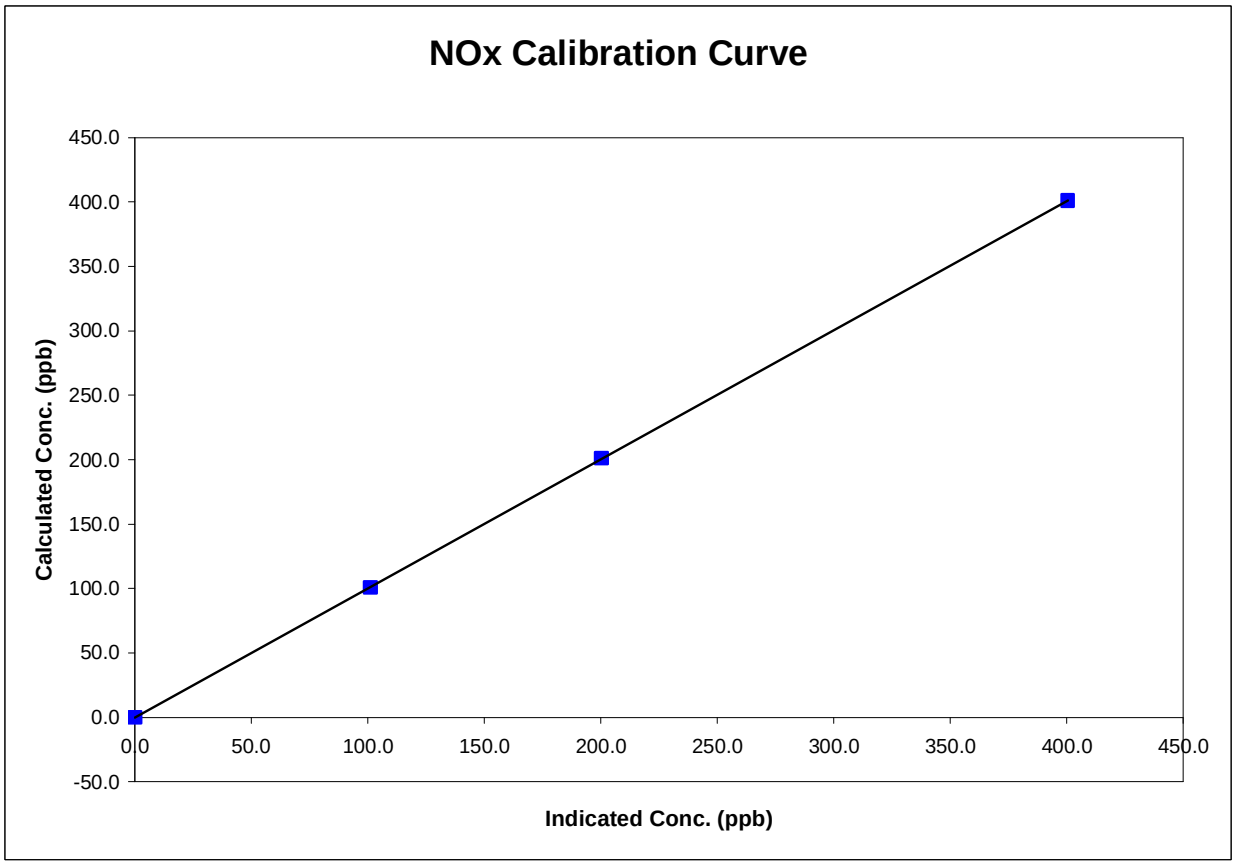
FOCUS AIR QUALITY MONITORING

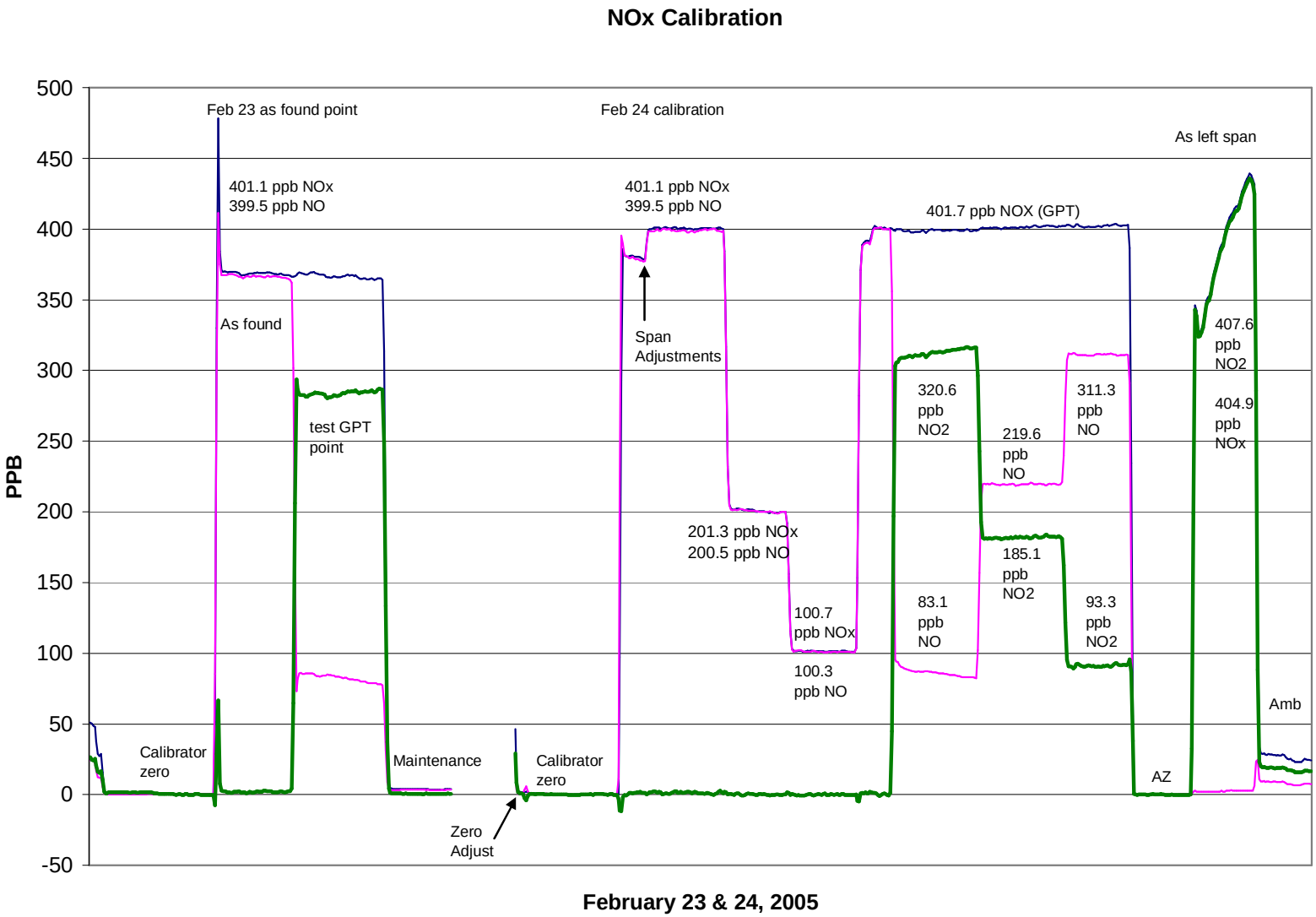
Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:40 - 13:35	End Time (MST)	10:40 - 15:00
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000		
401.1	400.6	1.0012	Correlation Coefficient	0.999991
201.3	200.4	1.0044		
100.8	101.4	0.9948	Slope	1.002200
			Intercept	-0.202538




NOx Calibration
PPB
500
450
400
350
300
250
200
150
100
50
0
-50
Feb 23 as found point
401.1 ppb NOx
399.5 ppb NO
As found
test GPT
point
Calibrator
zero
Maintenance
Zero
Adjust
Calibrator
zero
Feb 24 calibration
401.1 ppb NOx
399.5 ppb NO
Span
Adjustments
201.3 ppb NOx
200.5 ppb NO
100.7
ppb NOx
100.3
ppb NO
401.7 ppb NOX (GPT)
320.6
ppb
NO2
83.1
ppb
NO
219.6
ppb
NO
185.1
ppb
NO2
311.3
ppb
NO
93.3
ppb
NO2
AZ
As left span
407.6
ppb
NO2
404.9
ppb
NOx
Amb
February 23 & 24, 2005

Calibration Report

Parameter **O3**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	Feb 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine / Install / Removal / Other:		
Start Time (MST)	13:15 - 14:15 Feb 23rd	End Time (MST)	15:35 - 18:45 Feb 24th
Barometric Pressure	0.922 atm	Station Temperature	22.0 Deg C
Calibrator	Environics 6100	Serial Number	3016
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
DACS slope	0.050000	DACS slope	0.050000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	0.993905	Calculated slope	1.000235
Calculated intercept	0.286910	Calculated intercept	1.119352
Analyzer make	API Model 400	Analyzer serial #	383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.6	ppb	-1.2	ppb
slope	1.021		1.048	
Lamp measure	2853	mV	2687	mV
Lamp Reference	2853	mV	2690	mV
Pressure	27.3	inches Hg	27	inches Hg
Sample Flow	675	ccm	667	ccm
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)
4995	0.00	0.0	0.4	N/A
4995	0.00	320.6	320.7	0.9998
4995	0.00	185.1	182.3	1.0153
4995	0.00	93.3	91.0	1.0255
4995	0.00	0.0	0.1	As found zero
4995	0.00	320.6	314.1	As found span
			Average Correction Factor	1.0135

Calculated value of As Found Response: 312.3 ppm Percent Change of As Found: -2.6%

	before calibration		after calibration	
Auto zero	1.0	ppb	2.5	ppb
Auto span	277.9	ppb	277.5	ppb

Notes: Analyzer was span adjusted.

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **O3**

Air Monitoring Network **PASZA**

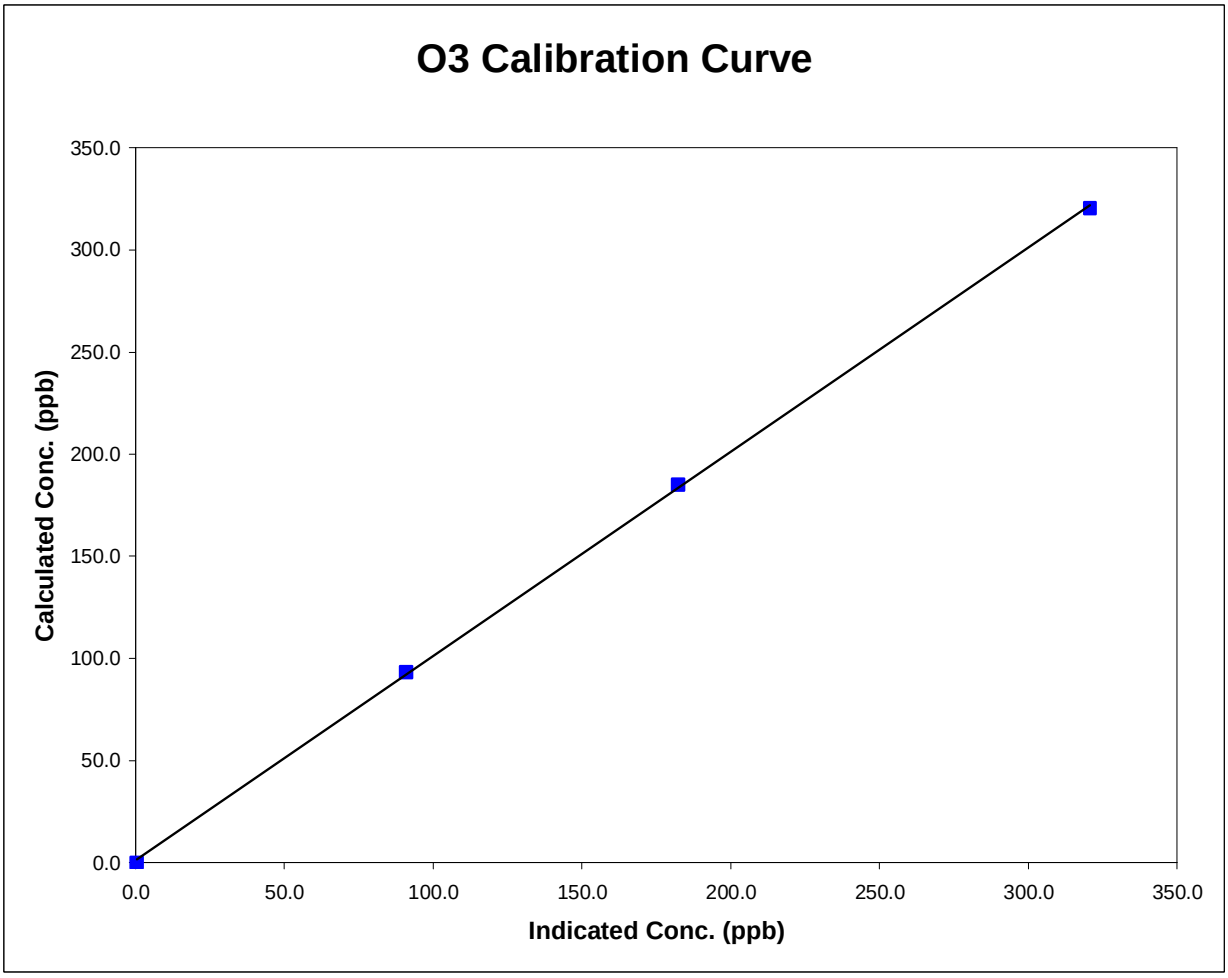
FOCUS AIR QUALITY MONITORING

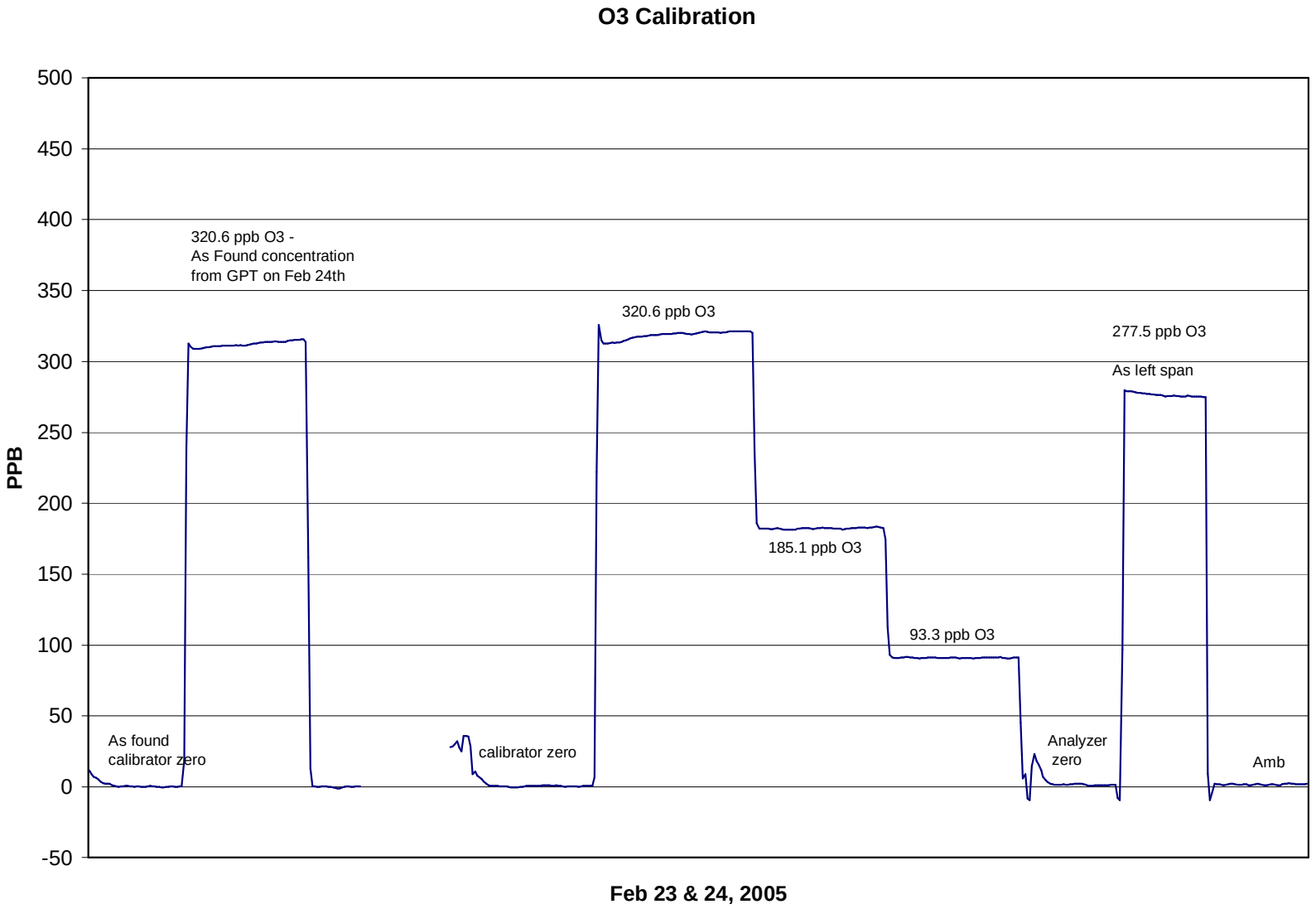
Station Information

Calibration Date	Feb 23 & 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	13:15 - 14:15	End Time (MST)	15:35 - 18:45
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	0.4	NA		
320.6	320.7	0.9998	Correlation Coefficient	0.999858
185.1	182.3	1.0153		
93.3	91.0	1.0255	Slope	1.000235
			Intercept	1.119352




O3 Calibration
500
450
400
350
300
250
200
150
100
50
0
-50
PPB
320.6 ppb O3 -
As Found concentration
from GPT on Feb 24th
320.6 ppb O3
277.5 ppb O3
As left span
185.1 ppb O3
93.3 ppb O3
As found
calibrator zero
calibrator zero
Analyzer
zero
Amb
Feb 23 & 24, 2005

Calibration Report

Parameter **CO**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 22, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☐ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:00 - 10:55 Feb 23rd	End Time (MST)	14:00 - 16:30 Feb 24th
Barometric Pressure	0.922 ATM	Station Temperature	21.5 Deg C
Calibrator	Environics 6100	Serial Number	3016
Cal Gas Conc	3000 ppm	Cal Gas Expiry Date	12/10/2005
		Cal Gas Cylinder #	ALM 005412
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
DACS slope	0.005000	DACS slope	0.005000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	1.002280	Calculated slope	1.004127
Calculated intercept	-0.194796	Calculated intercept	-0.174880
Analyzer make	TEI Model 48	Analyzer serial #	ACM-13989-143

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	739		769	
CO zero setting	527		523	
Sample pressure	686	mm Hg	691	mm Hg
Sample Flow	1.15	LPM	1.15	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)
4993	0.00	0.00	0.15	N/A
4993	39.97	23.82	23.90	0.9967
4993	19.96	11.95	12.04	0.9922
4993	9.97	5.98	6.18	0.9675
4993	0.00	0.00	0.35	As Found Zero
4993	39.97	23.82	23.99	As Found Span
			Average Correction Factor	0.9855

Calculated value of As Found Response: 23.498 ppm Percent Change of As Found: 1.4%

	before calibration		after calibration	
Auto zero	0.13	ppm	-0.04	ppm
Auto span	18.34	ppm	19.91	ppm

Notes: A span and zero adjustments were made. As found captured on Feb 23rd prior to DACS replacement; calibration completed Feb 24th.

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **CO**

Air Monitoring Network **PASZA**

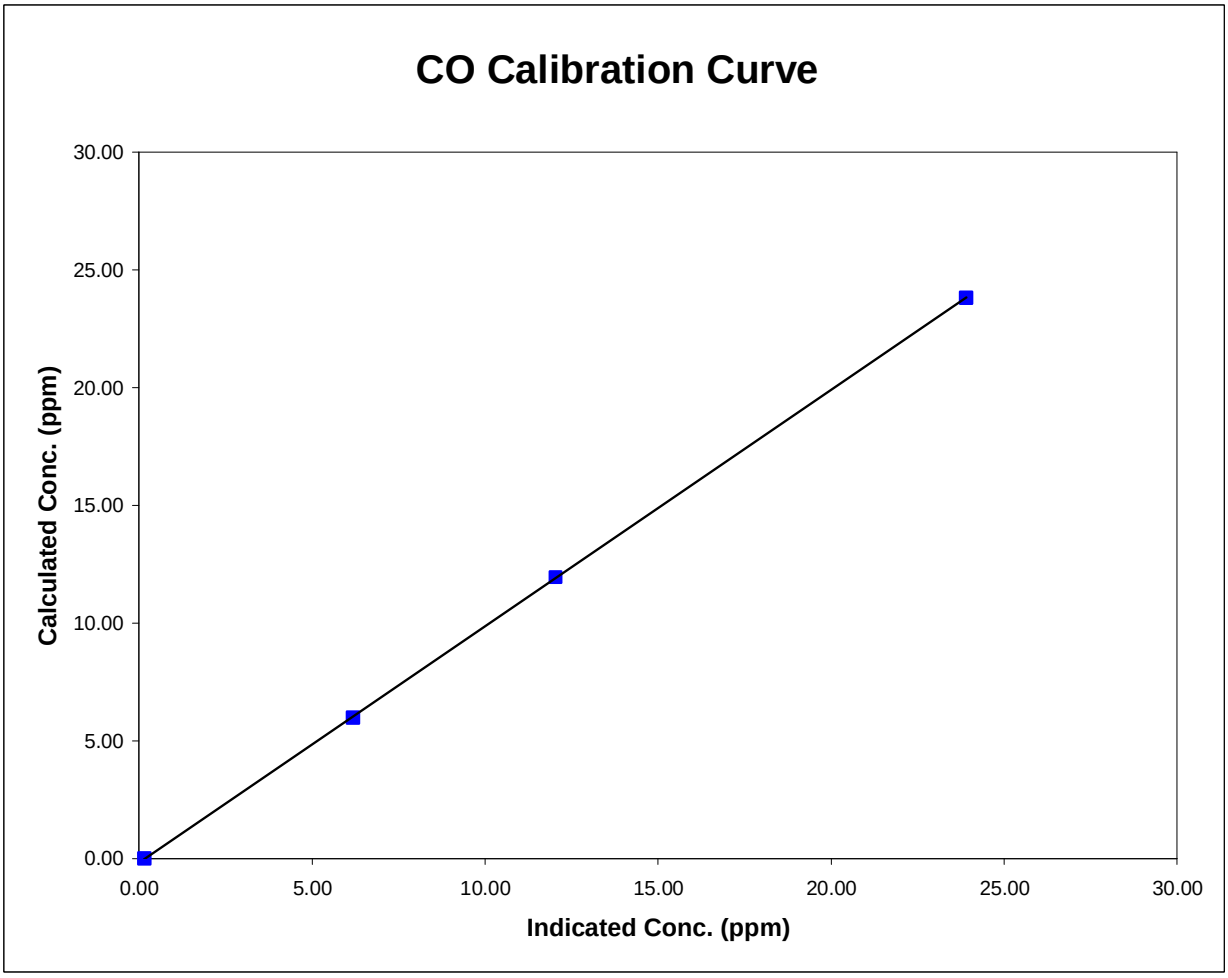
FOCUS AIR QUALITY MONITORING

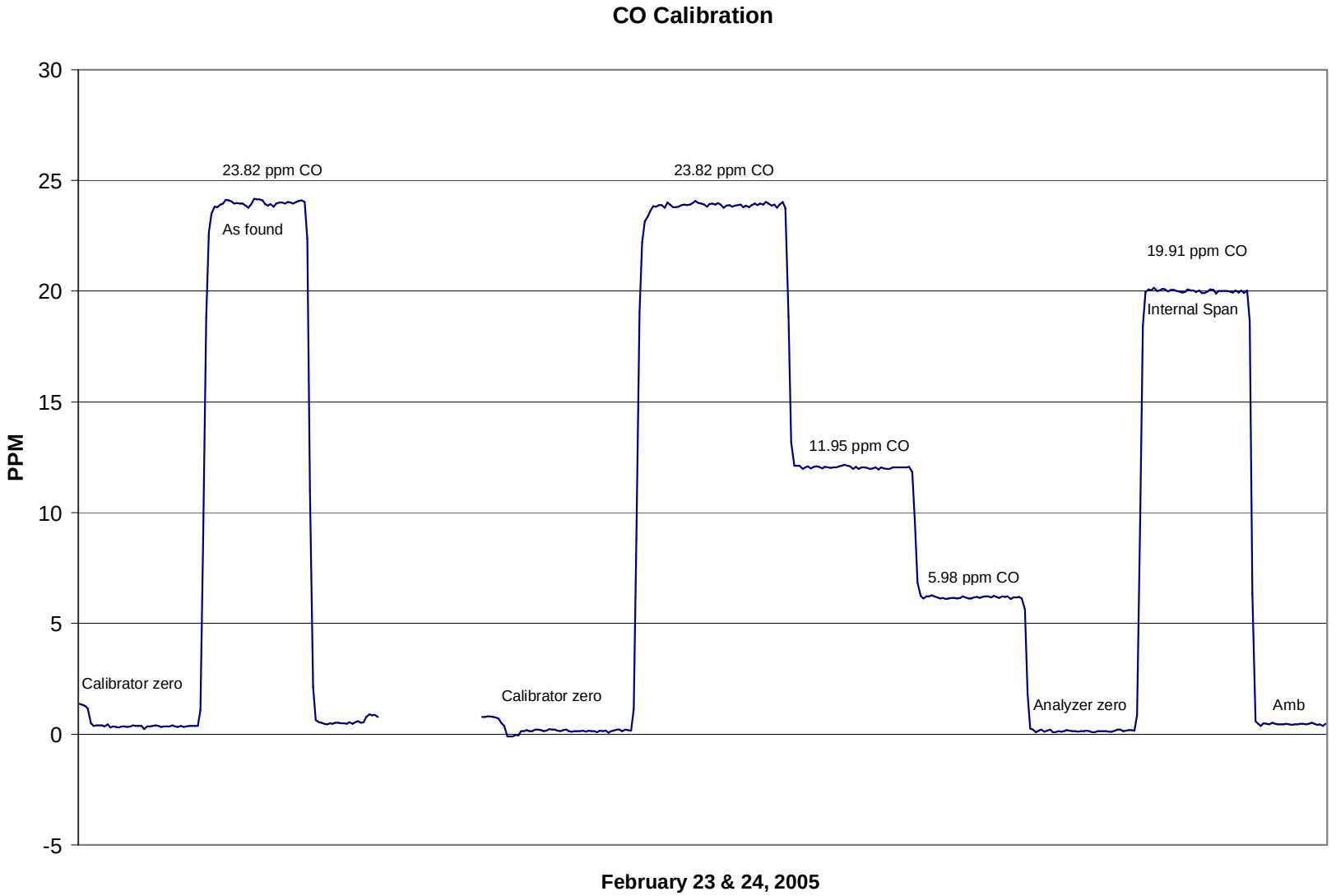
Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 22, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:00 - 10:55	End Time (MST)	14:00 - 16:30
Analyzer make/model	TEI Model 48	Analyzer serial #	ACM-13989-143

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.152	N/A		
23.825	23.904	0.9967	Correlation Coefficient	0.999987
11.945	12.039	0.9922		
5.978	6.179	0.9675	Slope	1.004127
			Intercept	-0.174880




CO Calibration
30
25
20
15
10
5
0
-5
PPM
23.82 ppm CO
As found
23.82 ppm CO
19.91 ppm CO
Internal Span
11.95 ppm CO
5.98 ppm CO
Calibrator zero
Calibrator zero
Analyzer zero
Amb
February 23 & 24, 2005

Calibration Report

Parameter **THC**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 23, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	09:35 - 10:30 Feb 23rd	End Time (MST)	09:10 - 11:30 Feb 24th
Barometric Pressure	0.922 ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6100	Serial Number	3016
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
DACS slope	0.005000	DACS slope	0.005000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	1.001511	Calculated slope	0.999937
Calculated intercept	0.032292	Calculated intercept	-0.039304
Analyzer make	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
THC sample pressure	6.11	psi	6.11	psi
THC span counts	6876	capture	6829	capture
THC zero counts	1259	capture	1259	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)
4993	0.00	0.00	0.06	N/A
4993	64.97	19.55	19.63	0.9961
4993	34.96	10.58	10.55	1.0030
4993	9.97	3.03	3.09	0.9824
4993	0.00	0.00	0.09	As Found Zero
4993	64.97	19.55	19.71	As Found Span
			Average Correction Factor	0.9938

Calculated value of As Found Response: 19.680 ppm Percent Change of As Found: -0.6%

	before calibration		after calibration	
Auto zero	-0.08	ppm	-0.05	ppm
Auto span	22.30	ppm	21.10	ppm

Notes: Slight span adjustment made; analyzer appears to respond and stabilize normally.
New internal span cylinder installed. Feb 23rd was a as found span response test; calibration was done
Feb 24th following DACS replacement.

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **THC**

Air Monitoring Network **PASZA**

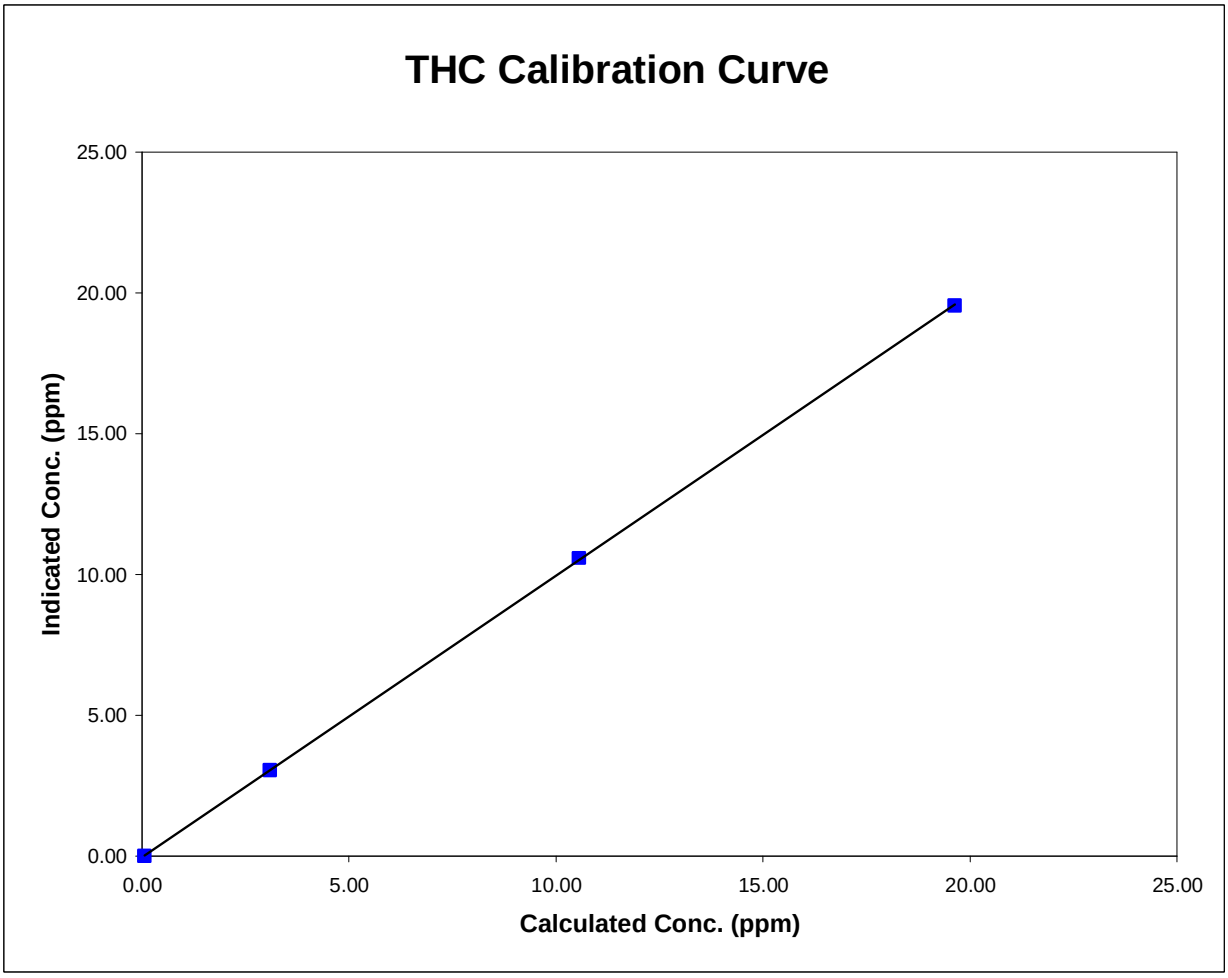
FOCUS AIR QUALITY MONITORING

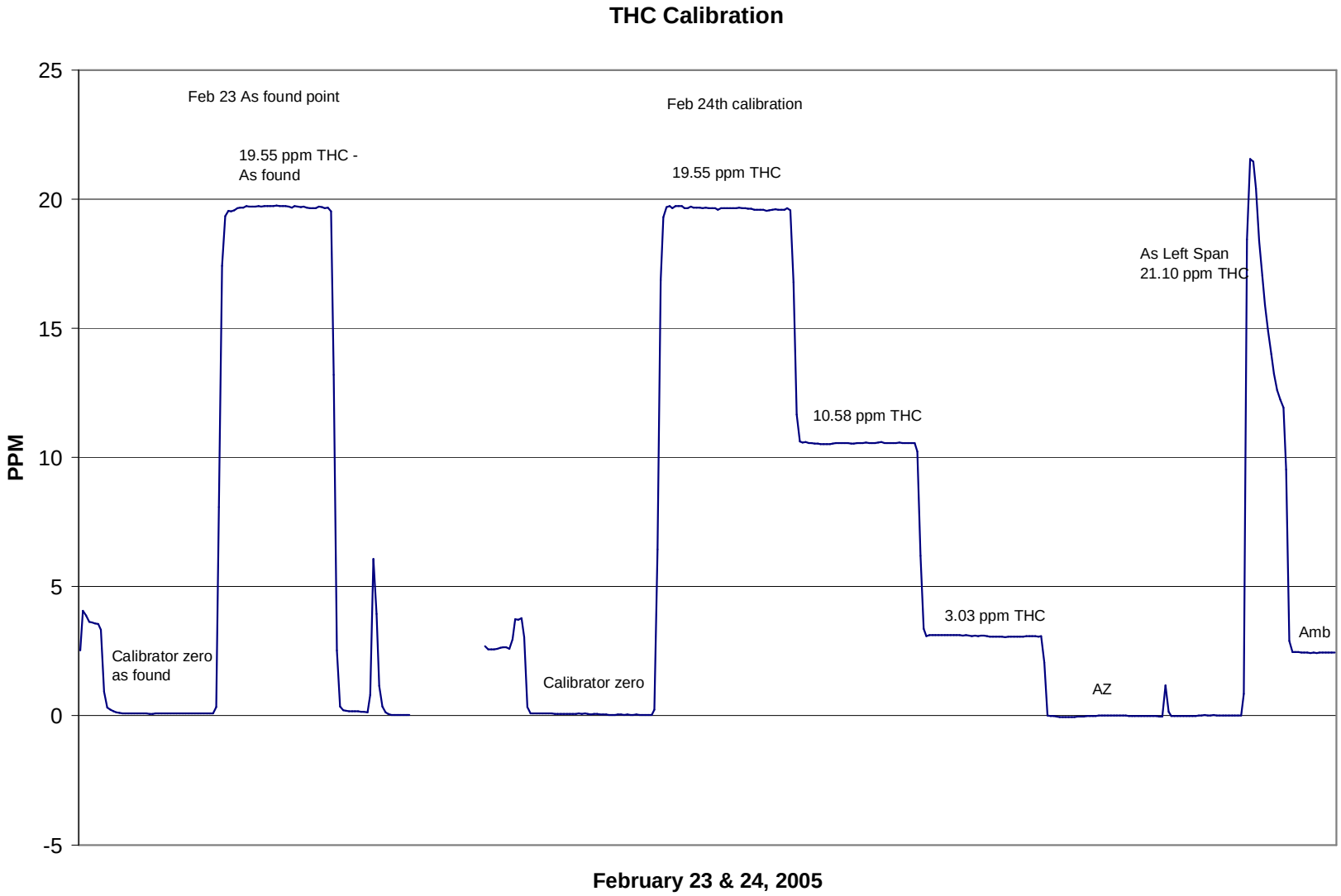
Station Information

Calibration Date	February 23 & 24, 2005	Previous Calibration	January 23, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	09:35 - 10:30	End Time (MST)	09:10 - 11:30
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	0.060	N/A		
19.553	19.630	0.9961	Correlation Coefficient	0.999969
10.584	10.553	1.0030		
3.034	3.088	0.9824	Slope	0.999937
			Intercept	-0.039304




THC Calibration
25
20
15
10
5
0
-5
PPM
Feb 23 As found point
19.55 ppm THC -
As found
Feb 24th calibration
19.55 ppm THC
As Left Span
21.10 ppm THC
10.58 ppm THC
3.03 ppm THC
Amb
Calibrator zero
as found
Calibrator zero
AZ
February 23 & 24, 2005

Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 23, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒ Install ☐	Removal ☐	Other: ☐
Start Time (MST)	10:30 - 11:58	End Time (MST)	16:10 - 19:30
Barometric Pressure	27.7 inches Hg	Station Temperature	21.0 Deg C
Calibrator	Environics 6100	Serial Number	111-1695
Cal Gas Concentration	5.02 ppm	Cal Gas Expiry Date	11/22/2006
Gas Cert Reference	BLM003489		
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
DACS slope	0.005000	DACS slope	0.005000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	1.003070	Calculated slope	1.003178
Calculated intercept	0.573530	Calculated intercept	-0.077414
Analyzer make	TEI Model 43C	Analyzer serial #	31990000000491

	before		after	
Concentration range	0-100	ppb	0-100	ppb
TRS bkg	19.6		18.8	
TRS slope	1.351		1.359	
UV Lamp	816	V	822	V
Converter Temp	900	Deg C	900	Deg C
Perm Temp	45	Deg C	45	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4993	0.0	0.0	-0.2	N/A
4993	79.97	79.1	78.8	1.0037
4993	39.98	39.9	40.0	0.9971
4993	9.97	10.0	10.3	0.9724
4993	0.00	0.0	-0.4	As found zero
4993	79.97	79.1	78.0	As found span
			Average Correction Factor	0.9911

Calculated value of As Found Response: 79.17 ppm Percent Change of As Found: 0.0%

	before calibration		after calibration	
Auto zero	0.3	ppm	0.5	ppm
Auto span	66.6	ppm	99.4	ppm

Notes: Zero and span adjustments performed.
DACS was replaced between as found response capture and calibration.

Calibration Performed By: Kelly Baragar

Calibration Summary

Parameter **TRS**

Air Monitoring Network **PASZA**

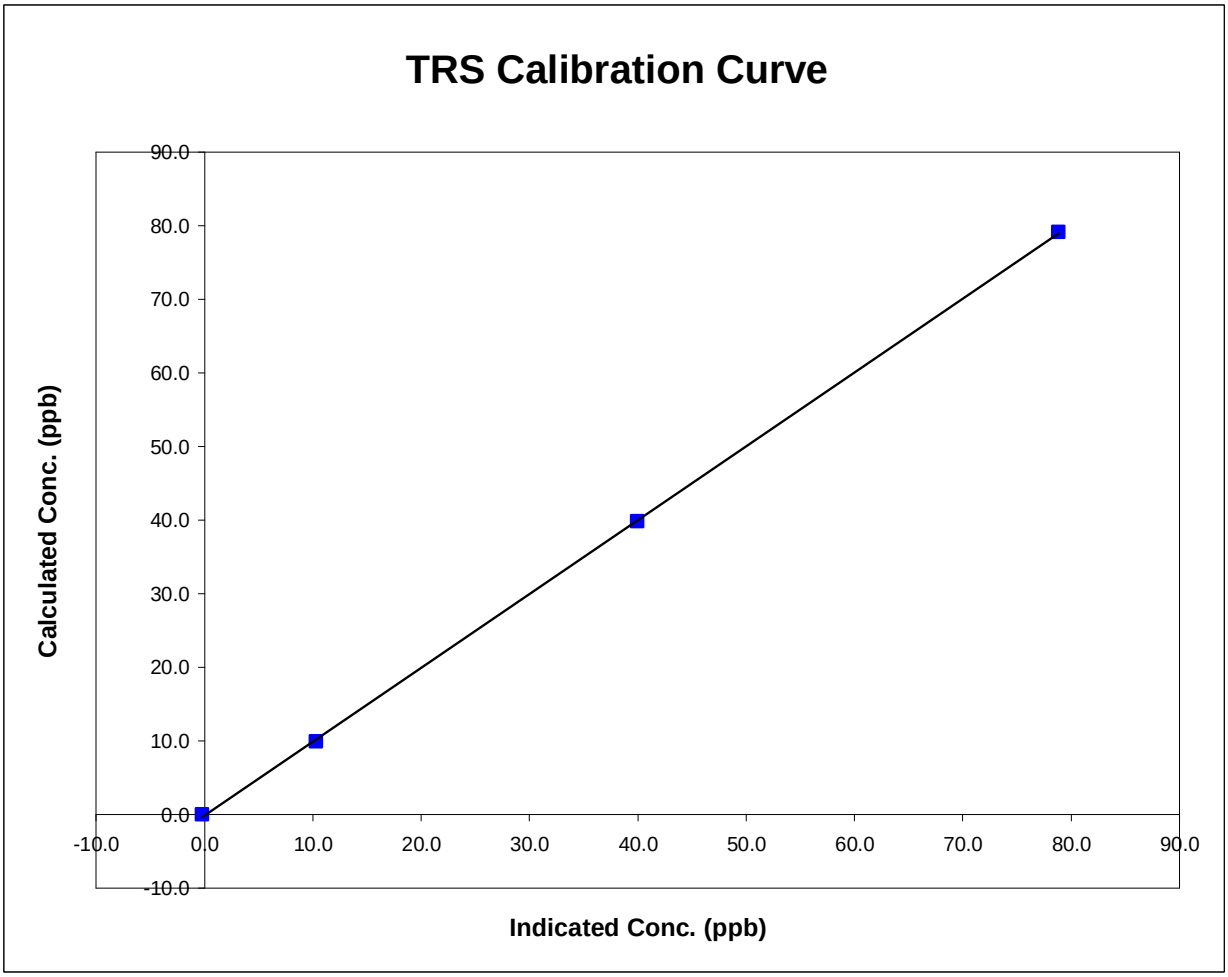
FOCUS AIR QUALITY MONITORING

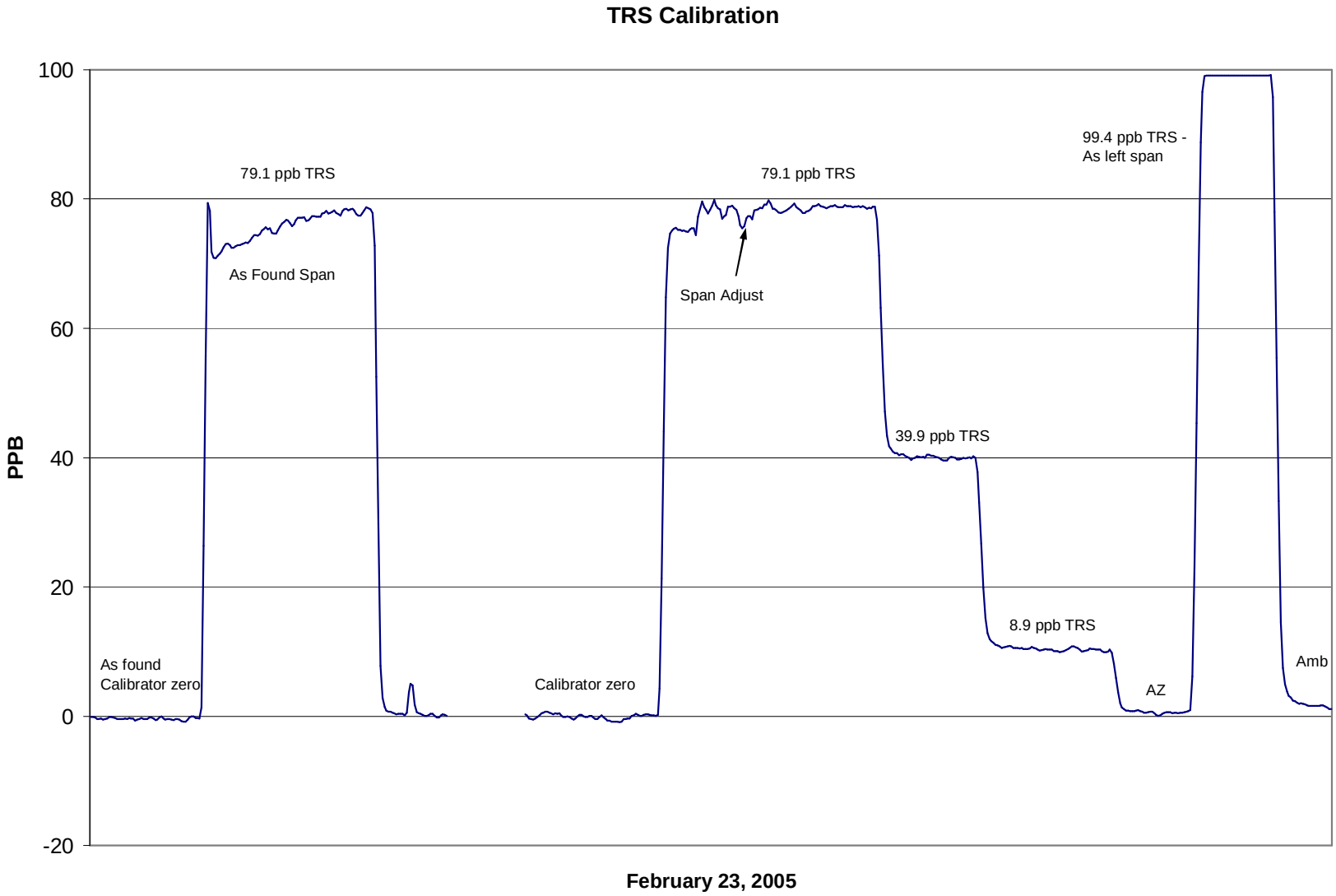
Station Information

Calibration Date	February 23, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	10:30 - 11:58	End Time (MST)	16:10 - 19:30
Analyzer make/model	TEI Model 43C	Analyzer serial #	31990000000491

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.2	N/A		
79.1	78.8	1.0037	Correlation Coefficient	0.999952
39.9	40.0	0.9971		
10.0	10.3	0.9724	Slope	1.003178
			Intercept	-0.077414




TRS Calibration
100
80
60
40
20
0
-20
PPB
79.1 ppb TRS
As Found Span
79.1 ppb TRS
Span Adjust
99.4 ppb TRS -
As left span
39.9 ppb TRS
8.9 ppb TRS
AZ
Amb
As found
Calibrator zero
Calibrator zero
February 23, 2005

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **PASZA**

Station Information

Calibration Date	February 24, 2005	Previous Calibration	January 24, 2005
Station Number	1	Station Location	Muskoseepi Park
Reason:	Routine ☒	Install ☐	Removal ☐	Other: ☐
Start Time (MST)	12:15	End Time (MST)	16:15
Barometric Pressure	0.922 ATM	Station Temperature	21.5 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15
	Before		After
DACS slope	0.050000	DACS slope	0.050000
DACS intercept	-50.000000	DACS intercept	-50.000000

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	16.67	SLPM	16.67	SLPM
Filter Load	89	%	17	%
Ko Factor	12122		12122	
Temperature	7.0	Deg C	7.0	Deg C
Pressure	0.923	ATM	0.923	ATM

Calibration Data

Parameter	Set Point	Indicated Reading (measured externally)	Tolerance	TEOM Reading
zero flow - main	0.0	0.00		0.09
zero flow - auxillary	0.0	0.00		-0.09
flow recovery - main	45 - 60 Seconds	NA	45 - 60 Seconds	35
flow recovery - aux	46 - 60 Seconds	NA	46 - 60 Seconds	35
Temperature	measured	7.7	+/- 1.0 Deg C	7.0
Pressure	measured	0.922	+/- 1.5% Δ_{ATM}	0.923
Total Flow	16.67 SLPM	16.90		16.90
Main Flow	13.67 SLPM	13.90	+/- 1.0 SLPM	13.90
Auxillary Flow	3.0 SLPM	3.090	+/- 0.2 SLPM	3.090
Leak Check - main	0.0	0.00	<0.15 SLPM	0.09
Leak Check - aux	0.0	0.00	<0.15 SLPM	-0.09
Ko Factor (w/o filter)	measured	324.859	filter weight (g)	0.11112
Ko Factor (w/ filter)	measured	231.603	% Ko difference	0.0%

Notes: Complete audit performed. All parameters appear to be within specifications.
Also measured with Streamline pressure differential measurement. Flows appear fine.
Cleaned both fraction heads and added new latex tubing to sample tubing connection.

Calibration Performed By: Kelly Baragar

Calibration Report

Parameter **SO2**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 2, 2005	Previous Calibration	N/A
Station Number	2	Station Location	Evergreen Park
Reason: Routine	Install	Removal	Other:
Start Time (MST)	11:00	End Time (MST)	14:30
Barometric Pressure	27.41 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	2,452 ng/min	Perm-tube Expiry Date	
Correction factor	0.931743	Perm-tube Cert #	19-18743
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	3
	Before		After
DACS slope	0.005000	DACS slope	0.005000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	N/A	Calculated slope	0.988882
Calculated intercept	N/A	Calculated intercept	-1.414841
Analyzer make	API 100	Analyzer serial #	32

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 offset	177		177	
SO2 slope	089		129	
UV Lamp voltage	3455	mv	3455	mv
Sample Flow	567	ccm	560	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	2711.4	0.0	-1.0	N/A
2910	2711.4	345.2	349.0	0.9891
6150	5730.2	163.3	169.0	0.9665
14100	13137.6	71.2	75.0	0.9499
zero	2375.9	0.0	N/A	As Found Zero
2550	2375.9	393.9	N/A	As Found Span
			Average Correction Factor	0.9685

Calculated value of As Found Response: NA

Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero	N/A	ppm	NA	ppm
Auto span	N/A	ppm	NA	ppm

Notes:

Calibration Performed By: Gary Cross

Calibration Summary

Parameter **SO2**

Air Monitoring Network **PASZA**

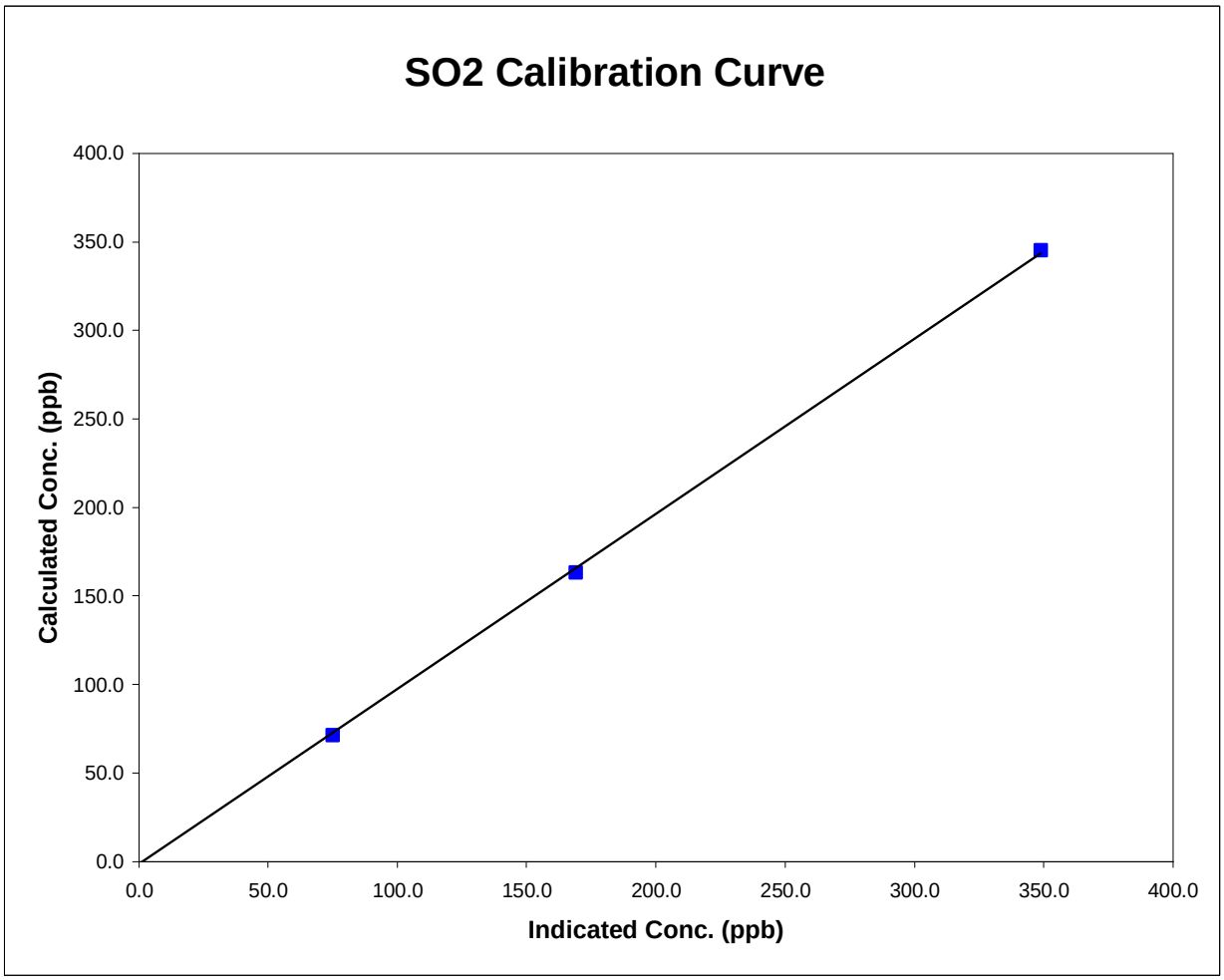
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 2, 2005	Previous Calibration	N/A
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:00	End Time (MST)	14:30
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	-1.0	N/A		
345.2	349.0	0.9891	Correlation Coefficient	0.999762
163.3	169.0	0.9665		
71.2	75.0	0.9499	Slope	0.988882
			Intercept	-1.414841



Calibration Report

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 2, 2005	Previous Calibration	N/A
Station Number	2	Station Location	Evergreen Park
Reason: Routine	Install	Removal	Other:
Start Time (MST)	11:00	End Time (MST)	14:30
Barometric Pressure	27.4 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	225 ng/min	Perm-tube Expiry Date	12/10/2005
Correction factor	0.931743	Perm-tube Cert #	03-13509
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
DACS slope	0.001000	DACS slope	0.001000
DACS intercept	0.000000	DACS intercept	0.000000
Calculated slope	N/A	Calculated slope	0.992914
Calculated intercept	N/A	Calculated intercept	-0.316167
Analyzer make	TEI Model 43C	Analyzer serial #	436610005

	before		after	
Concentration range	0-100	ppb	0-100	ppb
TRS bkg	12		18.3	
TRS slope	1		1.320	
UV Lamp	788	V	816	V
Converter Temp	800	Deg C	900	Deg C
Perm Temp	45	Deg C	45	Deg C

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	2711.4	0.0	-0.1	N/A
2910	2711.4	59.7	60.4	0.9878
6150	5730.2	28.2	28.4	0.9941
14100	13137.6	12.3	13.5	0.9121
zero	2375.9	0.0	N/A	As Found Zero
2550	2375.9	68.1	N/A	As Found Span
			Average Correction Factor	0.9647

Calculated value of As Found Response: NA ppm Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero	N/A	ppm	N/A	ppm
Auto span	N/A	ppm	N/A	ppm

Notes:

Calibration Performed By: Gary Cross

Calibration Summary

Parameter **TRS**

Air Monitoring Network **PASZA**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	February 2, 2005	Previous Calibration	N/A
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:00	End Time (MST)	14:30
Analyzer make/model	TEI Model 43C	Analyzer serial #	436610005

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
59.7	60.4	0.9878	Correlation Coefficient	0.999552
28.2	28.4	0.9941		
12.3	13.5	0.9121	Slope	0.992914
			Intercept	-0.316167