



Air Quality Monitoring Network for April 2007

Prepared by
FOCUS
 AMBIENT AIR MONITORING

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RE: Peace Airshed Zone Association (PASZA) – April 2007 Ambient Air Report

Enclosed is the PASZA Ambient Monitoring Network Report for the month of **April 2007**.

Continuous Monitoring: Six (6) Stations including Henry Pirker (Grande Prairie), Evergreen Park, Smoky Heights, Beaverlodge, Falher (portable) and Valleyview.

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

During the month of April the following events were noted:

Henry Pirker Station:

- ◆ The THC span dropped after the calibration on April 11th and 12th, span cylinder pressure was adjusted on the 13th and spans remained stable for the rest of the month.
- ◆ The CO spans dropped prior to calibration on the 12th, due to the regulator pressure and after the calibration the spans showed a slow but steady decline – this was all due to the bypass overflow on the regulator (not enough pressure because the cylinder was almost empty). The cylinder was replaced in May.
- ◆ The wind speed sensor had five (5) hours of invalid data on April 20th due to cups freezing from rain and snow.
- ◆ All analyzers / sensors at the Henry Pirker station were above 90% uptime.
- ◆ The AQI for the month resulted in 673 hours of Good readings and 7 hours of Fair readings.

Evergreen Park Station:

- ◆ The wind speed sensor had six (6) hours of invalid data on April 20th due to cups freezing from rain and snow.
- ◆ All analyzers / sensors at the Evergreen Park station were above 90% uptime.

Smoky Heights Station:

- ◆ There was a PM_{2.5} reading of 93 µg/m³ on April 21st at 23:00, with the wind direction from the north (N) and a wind speed of 6 km/hr.
- ◆ All analyzers / sensors at the Smoky Heights station were above 90% uptime.

Beaverlodge Station:

- ◆ All analyzers / sensors at the Beaverlodge station were above 90% uptime.
- ◆ The AQI for the month resulted in 627 hours of Good readings and 55 hours of Fair readings.

Portable - Falher Station:

- ◆ A power failure on April 10th resulted in five (5) hours of invalid data for SO₂, TRS, O₃ and NO_x and three (3) hours for all the meteorological parameters.
- ◆ Start date for the NO_x, NO and NO₂ data was April 1st a communication error internal to the DACS system recorded 2 of the 3 channels incorrectly for the NOX analyzer mid April. The data was extracted from the internal analyzer datalogger to fulfill the dataset and thus there are no recorded maximum values until April 24th. A new perm tube was installed in the NO_x analyzer on April 19th to replace the over-ranged permeation tube at the station
- ◆ On April 19th a spare DACS unit was made available and replaced the existing station DACS because of data capture issues with the NO_x analyzer. Two (2) hours were flagged for maintenance on April 19th for all parameters
- ◆ On April 24th the rewiring of the wind system resulted in one (1) hour of invalid data for all the meteorological sensors.
- ◆ All analyzers / sensors at the Falher station were above 90% uptime.

Valleyview Station:

- ◆ One (1) hour of maintenance on April 27th for installation of perm tube in SO₂ analyzer (H₂S was flagged as well).
- ◆ All analyzers / sensors at the Valleyview station were above 90% uptime.

Passive Monitoring: 42 Stations throughout the PASZA zone:

There were no outstanding issues from the field notes for the month of April. Site # 38, Karr Creek, was removed due to pipeline construction. There were five duplicate sites sampled in the month of April; Wembley, Pinto Creek, Flyingshot, Gold Creek and Grande Prairie HP. The passive sample analyses were performed by MAXXAM Analytics Inc.

A summary of the passive data collected are reported as follows.

- Monthly average concentrations for SO₂ passives ranged from 0.2 ppb to 0.5 ppb, with a mean of 0.3 ppb.
- Monthly average concentrations for NO₂ passives ranged from 0.4 ppb to 6.0 ppb, with a mean of 1.1 ppb.
- Monthly average concentrations for O₃ passives ranged from 32.4 ppb to 47.7 ppb, with a mean of 40.0 ppb.

If you have any questions, please contact the Focus office at 1-888-869-2252 (Gary Cross or Kelly Baragar).

On Behalf of the,
Peace Airshed Zone Association



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PASZA Program Manager



Sharon Whiteley, B.Sc..
AQM Data Specialist

PASZA Monthly Continuous Data Summary

Apr-2007 Peace Airshed Zone Association							Maximum Recorded Values						Operational Time (%)
Pollutant (units)	Objectives		Station	Monthly Average	Exceedence		Conc	1-hr		24-hr / 8-hr			
	1-hr	24-hr			1-hr	24-hr		Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	
SO ₂ (ppb)	172	57	Henry Pirker	0.4	0	0	7.6	Apr-11 19:00	6.2	W	1.2	Apr-06	100.0%
SO ₂ (ppb)	172	57	Evergreen Park	0.3	0	0	2.1	Apr-12 17:00	11.4	W	0.8	Apr-05	100.0%
SO ₂ (ppb)	172	57	Smoky Heights	0.6	0	0	10.1	Apr-15 08:00	21.3	WSW	2.0	Apr-12	100.0%
SO ₂ (ppb)	172	57	Beaverlodge	0.5	0	0	6.5	Apr-19 11:00	7.4	NNE	1.5	Apr-05	100.0%
SO ₂ (ppb)	172	57	Portable-Falher	0.3	0	0	6.1	Apr-12 15:00	5.0	ENE	0.8	Apr-12	99.0%
SO ₂ (ppm)	172	57	Valleyview	0.25	0	0	8.03	Apr-11 09:00	14.9	WNW	1.25	Apr-10	99.9%
NO (ppb)			Henry Pirker	2.6	-	-	50.8	Apr-23 06:00	5.1	E	9.5	Apr-13	100.0%
NO ₂ (ppb)	212	106	Henry Pirker	9.5	0	0	44.2	Apr-11 20:00	4.8	WNW	29.4	Apr-13	100.0%
NO _x (ppb)			Henry Pirker	12.0	-	-	88.0	Apr-11 22:00	6.5	NNE	39.0	Apr-13	100.0%
NO (ppb)			Beaverlodge	0.6	-	-	29.2	Apr-03 12:00	4.5	NNW	2.7	Apr-03	100.0%
NO ₂ (ppb)	212	106	Beaverlodge	3.4	0	0	22.6	Apr-03 12:00	4.5	NNW	9.3	Apr-08	100.0%
NO _x (ppb)			Beaverlodge	4.0	-	-	50.2	Apr-03 12:00	4.5	NNW	11.2	Apr-08	100.0%
NO (ppb)			Portable-Falher	0.9	-	-	4.5	Apr-28 17:00	21.1	WNW	1.7	Apr-12	98.8%
NO ₂ (ppb)	212	106	Portable-Falher	0.6	0	0	9.8	Apr-30 23:00	5.2	ESE	2.8	Apr-12	98.8%
NO _x (ppb)			Portable-Falher	1.8	-	-	13.4	Apr-12 16:00	6.5	ESE	5.8	Apr-12	98.8%
O ₃ (ppb)	82		Henry Pirker	30.3	0	-	53.8	Apr-27 15:00	9.5	W	44.3	Apr-27	100.0%
O ₃ (ppb) - 8-hr		65	Henry Pirker			0					51.2	Apr-27	
O ₃ (ppb)	82		Beaverlodge	40.6	0	-	63.1	Apr-08 16:00	3.7	W	49.7	Apr-13	100.0%
O ₃ (ppb) - 8-hr		65	Beaverlodge			0					58.8	Apr-13	
O ₃ (ppb)	82		Portable-Falher	37.5	0	-	58.4	Apr-13 14:00	6.8	NE	46.2	Apr-13	99.0%
O ₃ (ppb) - 8-hr		65	Portable-Falher			0					54.7	Apr-27	
CO (ppm)	13		Henry Pirker	0.25	0	-	1.3	Apr-23 06:00	5.1	E	0.5	Apr-13	100.0%
CO (ppm) - 8-hr		5	Henry Pirker			0					0.6	Apr-13	
THC (ppm)			Henry Pirker	2.16	-	-	3.8	Apr-16 00:00	6.1	SSE	2.4	Apr-13	100.0%
TRS (ppb)			Henry Pirker	0.2	-	-	3.5	Apr-14 04:00	6.6	NW	0.7	Apr-13	100.0%
TRS (ppb)			Evergreen Park	0.7	-	-	5.3	Apr-14 06:00	3.8	NW	1.2	Apr-08	100.0%
TRS (ppb)			Smoky Heights	0.5	-	-	1.9	Apr-24 03:00	8.0	W	0.7	Apr-30	100.0%
TRS (ppb)			Portable-Falher	0.6	-	-	4.3	Apr-29 20:00	10.1	W	0.8	Apr-30	99.0%
H ₂ S (ppb)	10	3	Valleyview	0.1	0	0	5.7	Apr-02 23:00	4.2	N	0.5	Apr-02	99.9%
PM _{2.5} (µg/m ³)		30 ^a	Henry Pirker	3.9	0	0	25.4	Apr-11 22:00	6.5	NNE	13.5	Apr-13	99.6%
PM _{2.5} (µg/m ³)		30 ^a	Evergreen Park	4.1	0	0	31.3	Apr-13 13:00	7.9	NNE	11.5	Apr-08	99.6%
PM _{2.5} (µg/m ³)		30 ^a	Smoky Heights	2.9	0	0	92.7	Apr-21 22:00	5.9	N	7.2	Apr-08	99.4%
PM _{2.5} (µg/m ³)		30 ^a	Beaverlodge	3.0	0	0	23.0	Apr-08 21:00	9.4	NW	10.1	Apr-08	99.6%

PASZA Monthly Continuous Data Summary - continued

Apr-2007		Peace Airshed Zone Association					Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
RH (%)		Henry Pirker	63.3	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Beaverlodge	61.9	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Portable-Falher	69.2	-	-	-	-	-	-	-	-	-	99.2%
RH (%)		Valleyview	61.4	-	-	-	-	-	-	-	-	-	100.0%
SR (W/m ²)		Henry Pirker	96.2	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Henry Pirker	2.5	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Evergreen Park	2.4	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Smoky Heights	1.9	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Beaverlodge	2.1	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Portable-Falher	1.5	-	-	-	-	-	-	-	-	-	99.2%
Temp (°C)		Valleyview	2.6	-	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)		Henry Pirker	11.9	-	-	37.0	Apr-28 09:00	37.0	WSW	25.3	Apr-28	99.3%	
WSPD v (km/hr)		Evergreen Park	8.6	-	-	32.4	Apr-28 11:00	32.4	W	23.4	Apr-10	99.2%	
WSPD v (km/hr)		Smoky Heights	13.3	-	-	46.3	Apr-28 08:00	46.3	WSW	31.9	Apr-28	99.7%	
WSPD v (km/hr)		Beaverlodge	9.1	-	-	34.3	Apr-28 14:00	34.3	W	23.2	Apr-28	100.0%	
WSPD v (km/hr)		Portable-Falher	12.6	-	-	35.9	Apr-28 09:00	35.9	W	24.8	Apr-06	99.2%	
WSPD v (km/hr)		Valleyview	7.7	-	-	26.7	Apr-14 10:00	26.7	NW	18.7	Apr-06	100.0%	
WSPD s (km/hr)		Henry Pirker	12.6	-	-	37.1	Apr-28 09:00	37.1	WSW	25.7	Apr-28	99.3%	
WSPD s (km/hr)		Evergreen Park	9.1	-	-	32.7	Apr-28 11:00	32.7	W	23.5	Apr-10	99.2%	
WSPD s (km/hr)		Smoky Heights	13.5	-	-	46.4	Apr-28 08:00	46.4	WSW	32.0	Apr-28	99.7%	
WSPD s (km/hr)		Beaverlodge	9.2	-	-	34.6	Apr-28 14:00	34.6	W	23.4	Apr-28	100.0%	
WSPD s (km/hr)		Portable-Falher	12.9	-	-	36.2	Apr-28 09:00	36.2	W	24.9	Apr-06	99.2%	
WSPD s (km/hr)		Valleyview	8.1	-	-	26.9	Apr-14 10:00	26.9	NW	18.8	Apr-06	100.0%	
WDIR		Henry Pirker	W	-	-	-	-	-	-	-	-	100.0%	
WDIR		Evergreen Park	WNW	-	-	-	-	-	-	-	-	100.0%	
WDIR		Smoky Heights	WSW	-	-	-	-	-	-	-	-	100.0%	
WDIR		Beaverlodge	WNW	-	-	-	-	-	-	-	-	100.0%	
WDIR		Portable-Falher	SW	-	-	-	-	-	-	-	-	99.2%	
WDIR		Valleyview	W	-	-	-	-	-	-	-	-	100.0%	

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

Continuous Network Equipment Summary

PASZA – Henry Pirker Station

General Station Issues

Calibrations were performed on April 10th (THC), April 12th (CO TRS and SO₂) and April 13th (NO_x and O₃). Hydrogen cylinder was changed out April 10th. The filter was changed out on the TEOM on April 16th.

Parameter	Make	Model	Notes
SO ₂	TECO	43	No operational problems observed.
NO _x /NO/NO ₂	TECO	42C	No operational problems observed.
O ₃	API	400	No operational problems observed.
CO	TECO	48C	Regulator pressure caused the spans to drop due to inconsistent bypass overflow caused by low span cylinder pressure (cylinder was close to empty and was replaced in May).
THC	TEI	51-CLT	The THC span dropped - span cylinder pressure was adjusted on the 13 th and spans remained stable for the rest of the month.
TRS	TEI	42C	The TRS pump was replaced April 12th.
PM _{2.5}	R&P	1400AB	Two (2) hours were removed due to baseline drift. The filter was changed out on April 16 th .
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	On April 20 th the wind speed sensor had five (5) hours of invalid data – due to cups freezing (rain & snow).
WD	Met One	020C	No operational problems observed.

PASZA – Evergreen Park Station

General Station Issues

Calibrations were performed on April 16th, (SO₂, TRS and PM_{2.5}).

Parameter	Make	Model	Notes
SO ₂	API	100	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
PM _{2.5}	R&P	1400AB	Three (3) hours were removed due to excessive baseline drift.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	On April 20 th the wind speed sensor had six (6) hours of invalid data – due to cups freezing (rain & snow).
WD	Met One	020C	No operational problems observed.

PASZA – Smoky Heights Station

General Station Issues

Calibrations were performed on April 26th (SO₂, TRS and PM_{2.5}).

Parameter	Make	Model	Notes
SO ₂	API	100A	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
PM _{2.5}	R&P	1400AB	Four (4) hours were removed due to excessive baseline drift.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	On April 17 th the wind speed sensor had two (2) hours of invalid data – possibly due to bearings.
WD	Met One	020C	No operational problems observed.

PASZA – Beaverlodge Station

General Station Issues

Calibrations were performed on April 17th (NO_x and SO₂) and April 23rd (O₃ and TEOM).

Parameter	Make	Model	Notes
SO ₂	TECO	43CTL	No operational problems observed.
NO _x /NO/NO ₂	TECO	42C	No operational problems observed.
O ₃	API	400	No operational problems observed.
PM _{2.5}	R&P	1400AB	Three(3) hours were removed due to excessive baseline drift.
AT	n/a	n/a	No operational problems observed.
RH	n/a	n/a	No operational problems observed.
WS	Blue Sky	857	There were five (5) hours of calm observed. No other operational problems observed.
WD	Blue Sky	857	No operational problems observed.

PASZA – Falher (Portable) Station

General Station Issues

Calibrations were performed on April 24th (SO₂, TRS, NO_x and O₃). There was a power failure on April 10th. On April 19th maintenance was performed at the station – the DACS needed to be replaced (configuration problems with the NO_x analyzer) and a new perm tube was installed in the NO_x analyzer. On April 24th the wind head was rewired resulting in one (1) hour of downtime for the meteorological sensors.

Parameter	Make	Model	Notes
SO ₂	TEI	43C	Power failure on April 10 th resulted in five (5) hours of invalid data. Two (2) hours flagged for maintenance on April 19 th .
NO _x /NO/NO ₂	TECO	43C	Power failure on April 10 th resulted in five (5) hours of invalid data. Data collection began this month, however due to configuration problems with the DACS there are no recorded maximum values until April 24 th . A new perm tube was installed on April 19 th . Two (2) hours flagged for maintenance on April 19 th .
TRS	TEI	43C	Power failure on April 10 th resulted in five (5) hours of invalid data. Two (2) hours flagged for maintenance on April 19 th .
O ₃	TEI	49C	Power failure on April 10 th resulted in five (5) hours of invalid data. Two (2) hours flagged for maintenance on April 19 th .
AT	Gill Met Pak 3		Power failure on April 10 th resulted in three (3) hours of invalid data. There were a total of three (3) hours of data flagged for maintenance activities (April 19 th – DACS and April 24 th – wind system rewiring).
RH	Gill Met Pak 3		Power failure on April 10 th resulted in three (3) hours of invalid data. There were a total of three (3) hours of data flagged for maintenance activities (April 19 th – DACS and April 24 th – wind system rewiring).
WS	Gill Met Pak 3		Power failure on April 10 th resulted in three (3) hours of invalid data. There were a total of three (3) hours of data flagged for maintenance activities (April 19 th – DACS and April 24 th – wind system rewiring).
WD	Gill Met Pak 3		Power failure on April 10 th resulted in three (3) hours of invalid data. There were a total of three (3) hours of data flagged for maintenance activities (April 19 th – DACS and April 24 th – wind system rewiring).

PASZA – Valleyview Station

General Station Issues

Calibrations were performed on April 9th for SO₂ and H₂S.

Parameter	Make	Model	Notes
SO ₂	ML	332	Perm tube was replaced on April 27 th (one (1) hour of maintenance).
H ₂ S	TEI	43C	Due to the perm tube replacement in SO ₂ analyzer on April 27 th , one (1) hour of maintenance was flagged.
AT	Gill Met Pak 3		No operational problems observed.
RH	Gill Met Pak 3		No operational problems observed.
WS	Gill Met Pak 3		No operational problems observed.
WD	Gill Met Pak 3		No operational problems observed.

PASZA – Henry Pirker Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Henry Pirker - AQI Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: April 1, 2007 to May 1, 2007

Alberta's Air Quality Index

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

Summary

Number of 1-hr Good Readings:	673
Number of 1-hr Fair Readings:	7
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	
1-Apr-07	20	20	19	19	19	19	19	19	19	19	19	19	20	20	21	21	21	21	N	20	19	19	18	18	
2-Apr-07	17	17	17	17	17	17	16	16	17	18	17	17	19	20	20	20	20	N	19	18	17	14	15	14	
3-Apr-07	16	16	14	12	12	10	10	12	15	16	17	17	15	16	17	17	N	17	16	12	12	13	15	14	
4-Apr-07	12	12	11	10	9	5	7	8	7	11	13	14	14	15	16	N	17	17	16	14	15	15	14	16	
5-Apr-07	16	16	14	13	11	9	9	10	12	14	15	16	16	18	N	19	19	19	18	16	17	17	16	16	
6-Apr-07	17	16	16	15	15	15	14	15	15	16	16	17	17	N	18	18	18	18	17	15	14	16	16	14	
7-Apr-07	14	14	13	13	12	12	12	12	12	13	14	15	N	19	20	20	20	19	17	15	14	12	11	10	
8-Apr-07	7	7	6	9	6	6	11	14	13	16	17	N	20	21	23	24	26	27	25	25	23	21	19	21	
9-Apr-07	20	14	9	10	6	6	7	8	10	N	12	15	15	12	12	12	12	10	10	10	N	N	18		
10-Apr-07	19	20	20	20	19	19	19	19	19	N	20	20	20	21	21	20	20	20	19	19	19	19	21	21	
11-Apr-07	20	20	18	18	18	N	11	12	15	19	21	22	23	23	23	23	22	23	18	14	15	20	21	12	
12-Apr-07	8	5	11	12	N	7	7	8	15	13	N	N	N	N	17	16	17	19	17	16	11	13	16	9	
13-Apr-07	8	9	10	9	8	N	8	11	11	17	18	14	N	N	9	8	22	21	15	12	18	17	14	15	
14-Apr-07	14	8	7	7	6	N	14	16	16	18	20	19	21	21	22	21	20	19	19	18	18	18	18	18	
15-Apr-07	17	17	18	17	N	18	16	18	18	18	19	19	19	19	19	18	17	18	17	15	14	14	12	16	
16-Apr-07	17	18	16	N	16	12	10	17	14	N	13	16	14	15	21	18	18	17	17	17	17	15	13	10	
17-Apr-07	7	9	14	12	11	N	7	10	13	13	14	16	18	18	18	18	18	17	16	16	14	9	9	7	
18-Apr-07	9	6	5	8	N	5	6	6	8	14	20	20	19	19	18	18	18	17	16	15	13	14	14	16	
19-Apr-07	17	15	14	N	13	13	9	9	13	13	12	14	16	16	16	16	16	15	15	15	15	16	15	15	
20-Apr-07	15	16	N	15	13	11	9	9	13	14	16	17	18	17	17	16	15	15	15	13	11	10	12	12	
21-Apr-07	10	N	9	8	5	4	5	5	10	14	16	18	19	21	20	19	17	16	15	14	12	9	7	9	
22-Apr-07	N	8	8	8	8	8	8	10	15	17	18	18	19	20	21	21	20	19	18	16	15	15	15	N	
23-Apr-07	14	11	11	11	10	5	7	10	8	12	16	19	21	21	22	22	21	21	20	18	15	17	N	16	
24-Apr-07	13	14	13	11	10	9	8	6	11	15	17	19	19	19	18	17	18	18	18	16	15	N	18	17	
25-Apr-07	17	19	18	17	16	16	16	16	17	18	20	20	21	21	21	21	21	21	20	17	N	16	16	16	
26-Apr-07	15	13	13	14	13	10	10	11	12	15	18	19	20	20	20	20	20	19	18	N	16	16	17	18	
27-Apr-07	20	18	16	19	19	18	18	22	23	23	23	24	25	26	28	28	28	28	26	N	22	22	23	21	23
28-Apr-07	21	21	20	17	16	18	19	19	20	20	20	21	21	21	19	18	18	N	17	17	15	15	12	13	
29-Apr-07	12	11	11	12	12	10	11	11	12	14	17	18	19	19	19	20	N	20	19	17	15	15	15	14	
30-Apr-07	13	13	13	13	12	11	10	12	15	16	17	18	19	19	19	N	19	19	19	17	13	11	7	9	

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

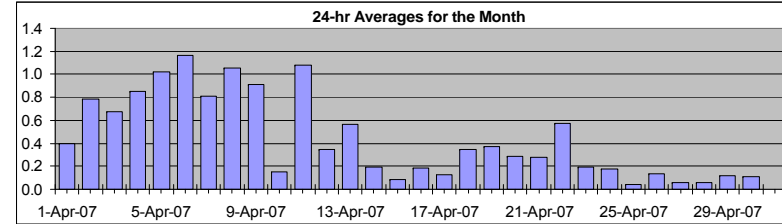
Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	7.6	ppb	11-Apr	19:00 20:00
Maximum 24-hr Average:	1.2	ppb	6-Apr	

AIC Time:	32 hrs		Operational Time:	685 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	2.1	1.4	0.7	0.2	0.1	0.0	0.0	0.4 ppb	0.2 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	1	1	0	1	0.4	0.9
2-Apr-07	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	A	0	0	1	1	1	1	0.8	1.9
3-Apr-07	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0	0.7	1.5	
4-Apr-07	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	1.4
5-Apr-07	1	0	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	2	2	1.0	2.0
6-Apr-07	2	1	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1.2	1.7
7-Apr-07	1	0	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2
8-Apr-07	0	0	0	0	0	0	1	1	1	1	1	A	2	2	3	2	2	1	1	1	1	1	0	1.1	2.7	
9-Apr-07	1	1	1	1	1	1	1	2	1	2	A	1	2	2	1	1	0	0	0	0	0	0	0	0	0.9	2.1
10-Apr-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
11-Apr-07	0	0	0	0	0	A	2	3	2	0	0	0	0	0	0	0	0	0	1	8	4	2	1	1	1.1	7.6
12-Apr-07	1	0	0	0	A	0	1	1	1	1	C	C	C	A	0	0	0	0	1	0	0	0	0	0	0.3	1.2
13-Apr-07	0	0	0	0	0	A	0	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0.6	1.7
14-Apr-07	0	0	0	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
15-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
16-Apr-07	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
17-Apr-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
18-Apr-07	0	0	0	0	A	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0.3	1.3
19-Apr-07	0	0	0	A	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.4
20-Apr-07	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	0.6
21-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.3	1.1
22-Apr-07	A	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	2	0	0	1	1	A	0.6	1.8
23-Apr-07	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.2	0.6
24-Apr-07	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.5
25-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.0	0.1
26-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.1	0.3
27-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.1	0.1
28-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.1	0.2
29-Apr-07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.1	0.5
30-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.1	0.5
Hourly Avg	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.6	0.4	0.4	0.4	0.3		
Hourly Max	1.7	1.4	1.2	1.5	1.9	1.4	1.8	2.8	1.5	1.7	1.4	1.5	2.1	2.1	2.7	2.2	1.8	1.0	1.8	7.6	4.3	2.2	1.7	2.0		

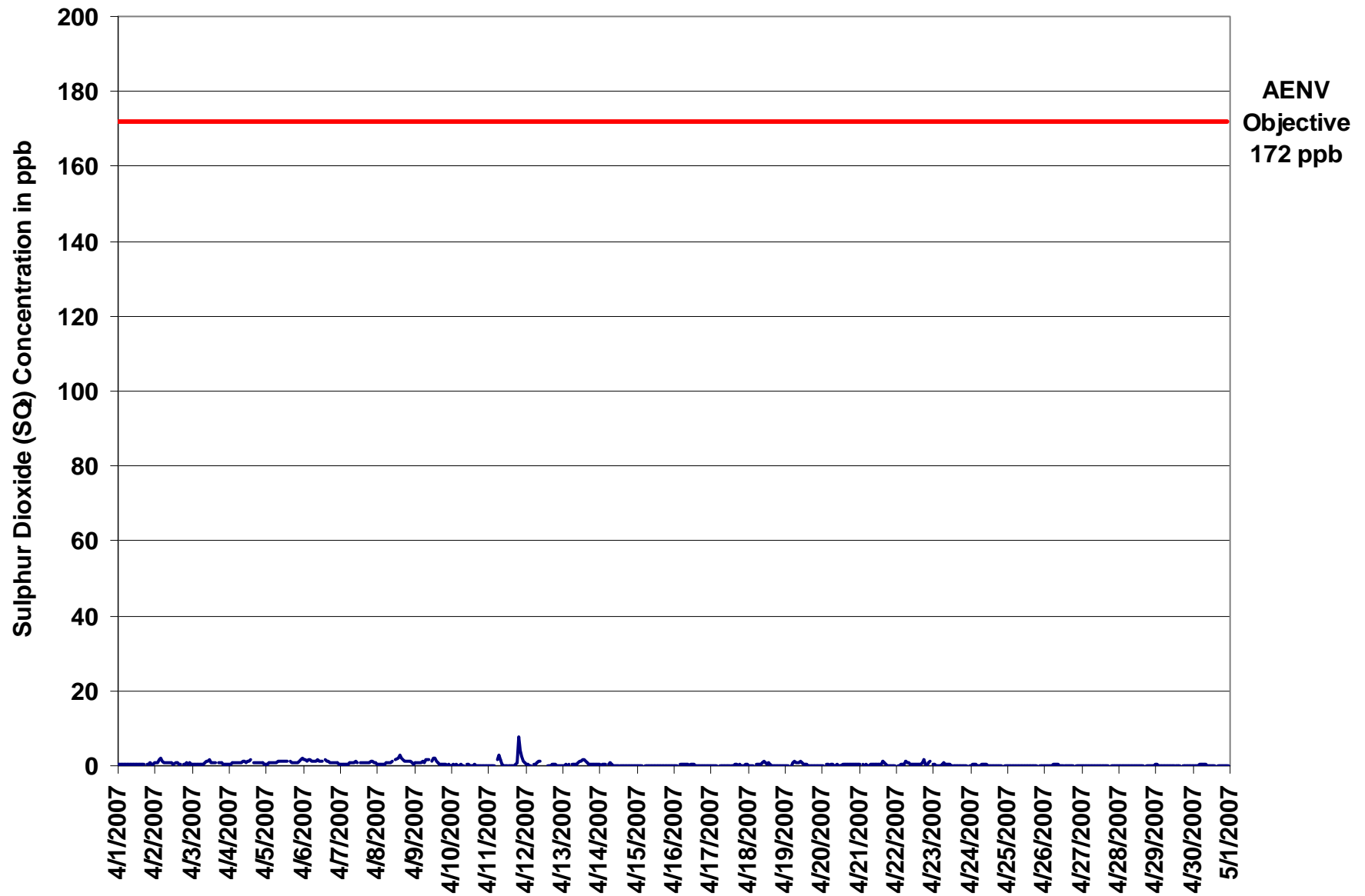


Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

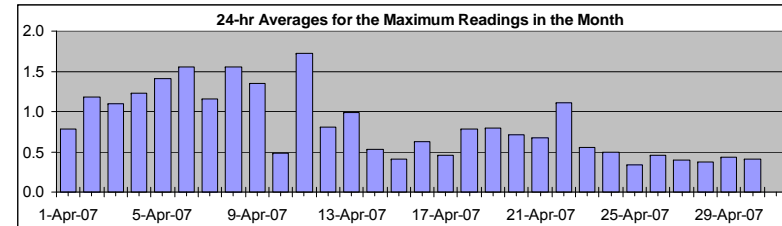
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	9.5	ppb	11-Apr	19:00 20:00
Maximum 24-hr Value:	1.7	ppb	11-Apr	

AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.1	2.0	1.1	0.6	0.4	0.3	0.2	0.8 ppb	0.6 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.3
2-Apr-07	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.2	2.5
3-Apr-07	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	A	1	1	1	1	1	1	1	1.1	2.1
4-Apr-07	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	A	1	1	1	1	1	1	1	1	1.2	1.9
5-Apr-07	1	1	1	1	1	1	1	1	1	2	2	2	2	2	A	2	1	1	1	1	1	2	2	3	1.4	2.5
6-Apr-07	2	2	2	2	2	2	1	1	2	2	2	2	2	A	2	2	1	1	1	1	1	1	1	1	1.6	2.2
7-Apr-07	1	1	1	1	1	1	1	1	1	1	2	1	A	1	1	1	1	1	1	1	1	2	1	1	1.2	1.7
8-Apr-07	1	1	1	1	1	1	1	1	1	1	1	A	2	3	4	3	2	1	2	2	1	2	1	1	1.6	4.4
9-Apr-07	1	1	1	1	1	2	1	2	2	2	A	2	3	3	1	1	1	1	1	1	1	1	1	1	1.4	2.9
10-Apr-07	1	1	1	1	0	1	0	0	0	A	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0.5	0.6
11-Apr-07	0	1	0	0	0	A	3	3	2	1	0	0	0	0	0	0	0	1	2	9	6	3	2	1	1.7	9.5
12-Apr-07	1	1	0	1	A	1	1	1	2	2	C	C	C	A	0	1	1	1	1	1	0	0	0	0	0.8	2.3
13-Apr-07	0	0	1	0	1	A	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	0	1.0	2.3
14-Apr-07	1	1	1	1	1	A	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0.5	0.9
15-Apr-07	1	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
16-Apr-07	0	0	1	A	1	1	1	1	1	1	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0.6	1.6
17-Apr-07	0	0	0	0	0	A	1	0	0	0	1	1	1	0	0	1	1	0	1	0	0	0	1	1	0.5	0.7
18-Apr-07	1	1	1	1	A	1	1	1	1	1	2	2	1	2	1	0	0	0	0	0	0	1	0	1	0.8	2.0
19-Apr-07	0	0	0	A	1	1	2	1	1	1	2	1	1	1	1	1	0	1	0	0	0	0	0	0	0.8	2.5
20-Apr-07	0	0	A	1	1	0	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.9
21-Apr-07	1	A	1	0	1	0	1	1	1	1	1	1	1	1	1	2	2	0	1	0	0	0	0	0	0.7	2.1
22-Apr-07	A	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	2	2	A	1.1	3.5
23-Apr-07	1	1	0	0	0	0	1	1	1	1	1	1	0	1	1	0	0	0	0	1	0	0	A	0	0.6	1.2
24-Apr-07	0	1	1	1	0	1	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	A	0	0	0.5	0.9
25-Apr-07	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.3	0.5
26-Apr-07	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	1	1	1	A	0	0	0	0	0.5	0.6
27-Apr-07	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	A	0	0	0	0	0	0.4	0.6
28-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	1	0.4	0.5
29-Apr-07	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.4	0.9
30-Apr-07	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.4	0.8
Hourly Avg	0.7	0.6	0.7	0.7	0.8	0.8	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.8	1.0	0.8	0.8	0.8	0.7		
Hourly Max	2.2	1.8	1.7	2.5	2.4	1.8	3.1	3.4	2.5	2.3	2.0	2.1	2.8	3.3	4.4	2.9	2.3	1.5	3.5	9.5	6.2	3.2	2.2	2.5		

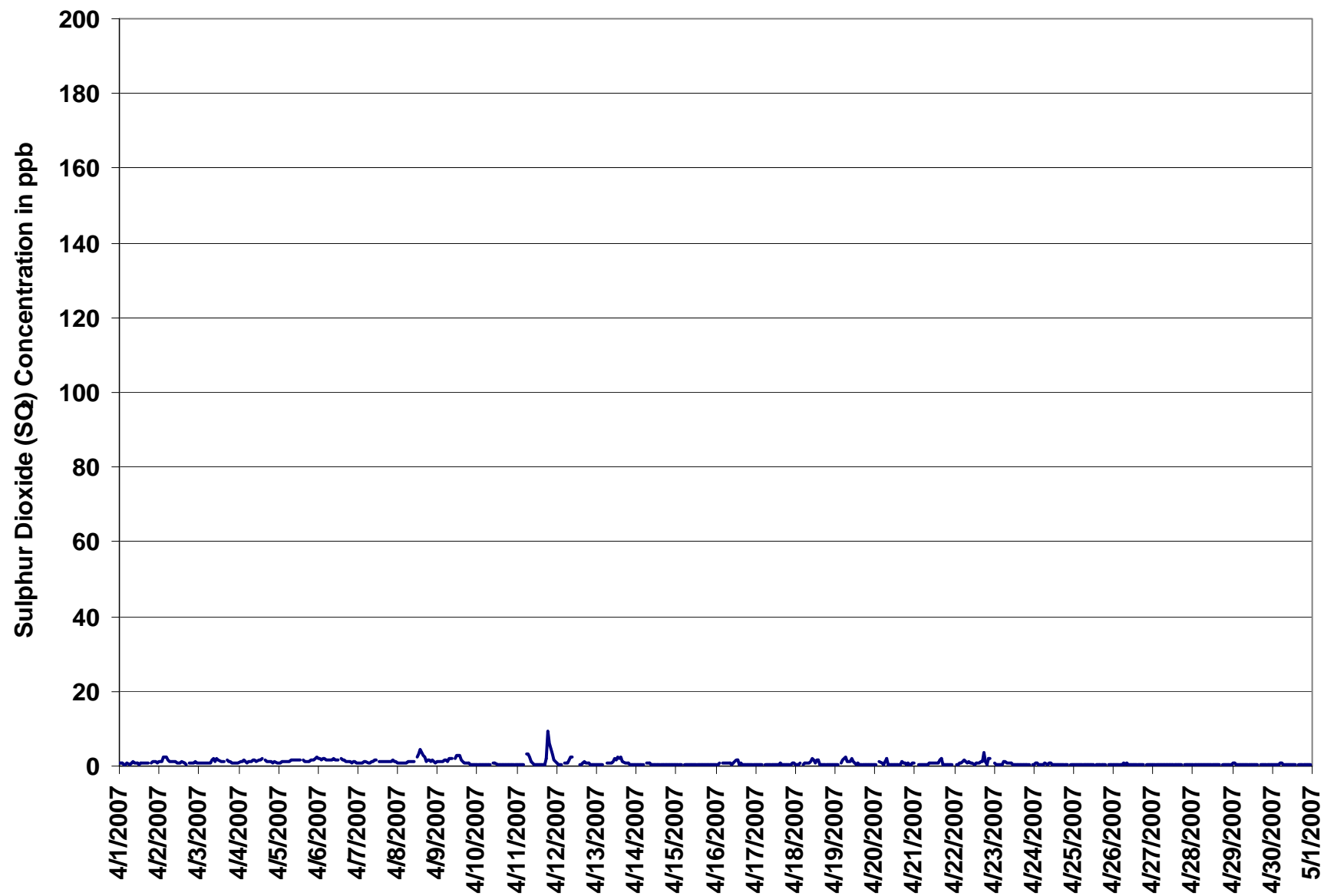
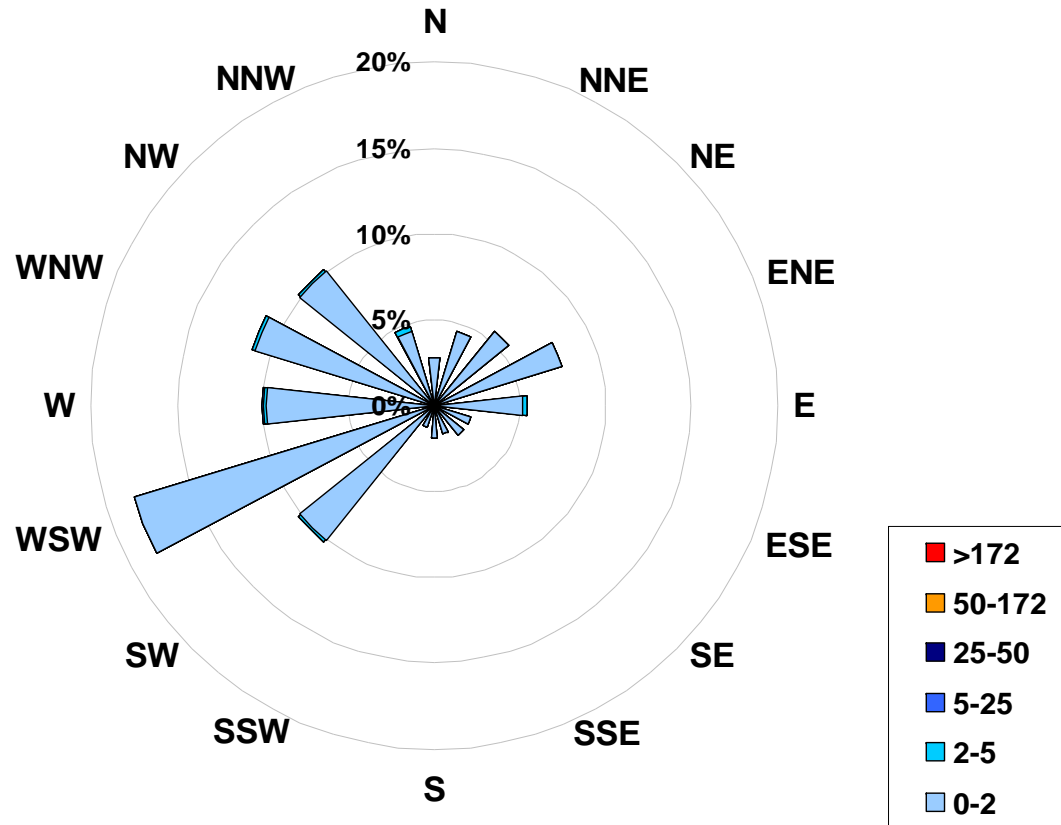


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Henry Pirker Site for April 2007



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2	676	
2	to 5	8	
5	to 25	1	
25	to 50	0	
50	to 172	0	
	> 172	0	
Total Non-Zero Values			685

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

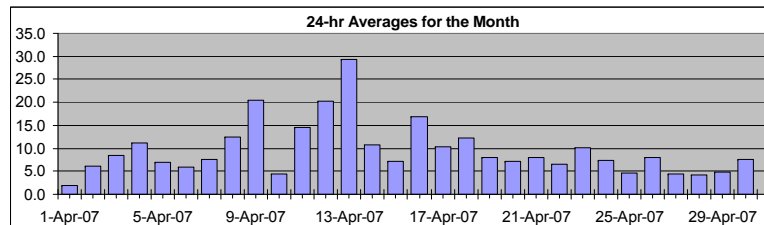
Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	44.2	ppb	11-Apr	20:00 21:00
Maximum 24-hr Average:	29.4	ppb	13-Apr	

AIC Time:	32 hrs		Operational Time:	684 hrs					
Calibration Time:	4 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	39.4	26.1	11.9	6.7	4.5	2.7	1.4	9.5 ppb	6.7 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																							24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	2	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	A	4	3	4	4	3	2.0	3.8
2-Apr-07	4	5	4	4	4	4	7	7	5	4	6	7	3	2	2	4	3	A	7	9	10	16	13	12	6.1	16.5
3-Apr-07	7	6	9	11	10	15	15	11	6	4	4	3	5	3	4	6	A	7	8	18	16	13	8	7	8.5	17.6
4-Apr-07	7	7	8	9	12	23	31	26	18	10	6	4	4	3	6	A	8	8	11	13	11	12	12	7	11.2	31.1
5-Apr-07	5	5	6	7	9	13	15	12	7	5	4	5	5	5	A	5	5	5	6	9	6	6	7	6	6.9	15.5
6-Apr-07	5	5	6	7	7	7	8	8	7	4	4	4	3	A	4	4	4	5	6	9	10	7	6	6	6.0	9.8
7-Apr-07	6	6	6	6	7	7	8	8	8	7	5	4	A	5	5	6	6	7	9	12	10	11	13	14	7.6	13.8
8-Apr-07	20	15	16	12	19	19	15	9	10	6	6	A	10	9	12	13	11	10	14	13	14	13	14	7	12.5	20.2
9-Apr-07	7	15	21	17	22	21	27	25	28	26	A	9	9	14	20	22	30	25	23	41	41	14	5	6	20.4	41.3
10-Apr-07	4	2	2	2	3	3	4	4	4	A	4	5	5	5	5	6	6	7	7	8	7	7	3	3	4.5	7.8
11-Apr-07	3	4	6	6	7	A	23	21	15	7	5	6	5	4	4	4	8	6	14	22	44	44	40	36	14.5	44.2
12-Apr-07	33	21	12	10	A	24	28	28	33	26	14	13	12	11	16	20	21	17	19	20	28	22	14	24	20.3	33.2
13-Apr-07	25	37	39	37	35	A	33	32	27	C	C	C	C	A	22	18	17	21	29	40	41	33	24	20	29.4	41.3
14-Apr-07	16	21	25	28	23	A	14	13	11	7	8	10	7	7	6	5	5	6	6	6	7	6	6	5	10.7	27.7
15-Apr-07	7	6	5	6	A	7	9	6	5	5	4	4	4	4	4	5	7	5	7	11	14	13	17	9	7.1	16.5
16-Apr-07	6	5	9	A	10	16	39	39	36	28	15	14	18	19	9	14	13	13	15	12	10	13	16	16	16.8	39.2
17-Apr-07	16	15	10	7	7	A	19	13	8	8	9	8	4	4	5	6	6	9	8	8	11	17	18	21	10.4	21.3
18-Apr-07	16	19	21	11	A	22	23	26	25	15	5	5	6	5	7	6	7	7	8	9	11	10	11	5	12.2	26.0
19-Apr-07	4	6	5	A	6	9	17	18	8	9	11	8	5	7	8	7	7	8	9	7	8	5	5	5	7.9	17.8
20-Apr-07	4	3	A	6	7	11	16	15	8	6	3	2	2	3	4	6	7	7	7	8	11	12	8	7	7.1	16.4
21-Apr-07	9	A	8	10	14	13	10	14	11	6	4	3	3	2	2	4	4	4	4	6	10	14	17	13	8.1	16.9
22-Apr-07	A	9	8	8	8	9	14	13	7	3	3	3	3	3	3	4	4	5	6	8	9	7	6	A	6.5	13.8
23-Apr-07	6	6	8	6	7	16	27	29	22	16	9	5	5	4	3	4	6	6	8	9	13	9	A	8	10.1	29.3
24-Apr-07	8	5	4	8	12	16	15	22	13	7	5	4	3	4	6	6	5	4	4	6	7	A	4	4	7.5	21.5
25-Apr-07	4	3	3	4	5	6	7	8	5	5	4	3	3	3	3	3	3	3	4	8	A	8	5	6	4.7	8.3
26-Apr-07	5	7	9	7	8	14	17	16	14	11	7	6	7	6	6	6	6	6	A	8	7	5	3	3	8.1	17.0
27-Apr-07	3	4	5	3	4	6	8	5	4	5	5	4	3	3	3	2	3	5	A	9	5	3	4	3	4.4	9.2
28-Apr-07	3	4	4	5	5	5	5	6	4	4	4	4	3	3	3	3	3	A	4	4	4	4	6	6	4.2	6.4
29-Apr-07	6	7	6	6	6	8	7	6	6	5	3	3	3	3	3	3	A	3	3	3	6	5	4	4	4.8	8.3
30-Apr-07	5	5	6	6	7	8	12	8	5	5	4	3	3	3	3	A	6	4	3	6	12	12	21	25	7.5	25.2
Hourly Avg	8.5	8.8	9.3	8.9	9.8	11.7	15.8	14.9	12.1	8.8	5.8	5.4	5.1	5.2	6.2	6.8	7.6	7.7	9.1	11.7	13.4	12.0	10.9	10.2		
Hourly Max	32.6	36.6	38.6	36.6	35.1	24.4	39.2	39.1	35.8	28.2	14.8	13.7	18.3	18.8	21.6	21.7	30.5	25.3	29.1	41.3	44.2	43.6	40.2	36.0		

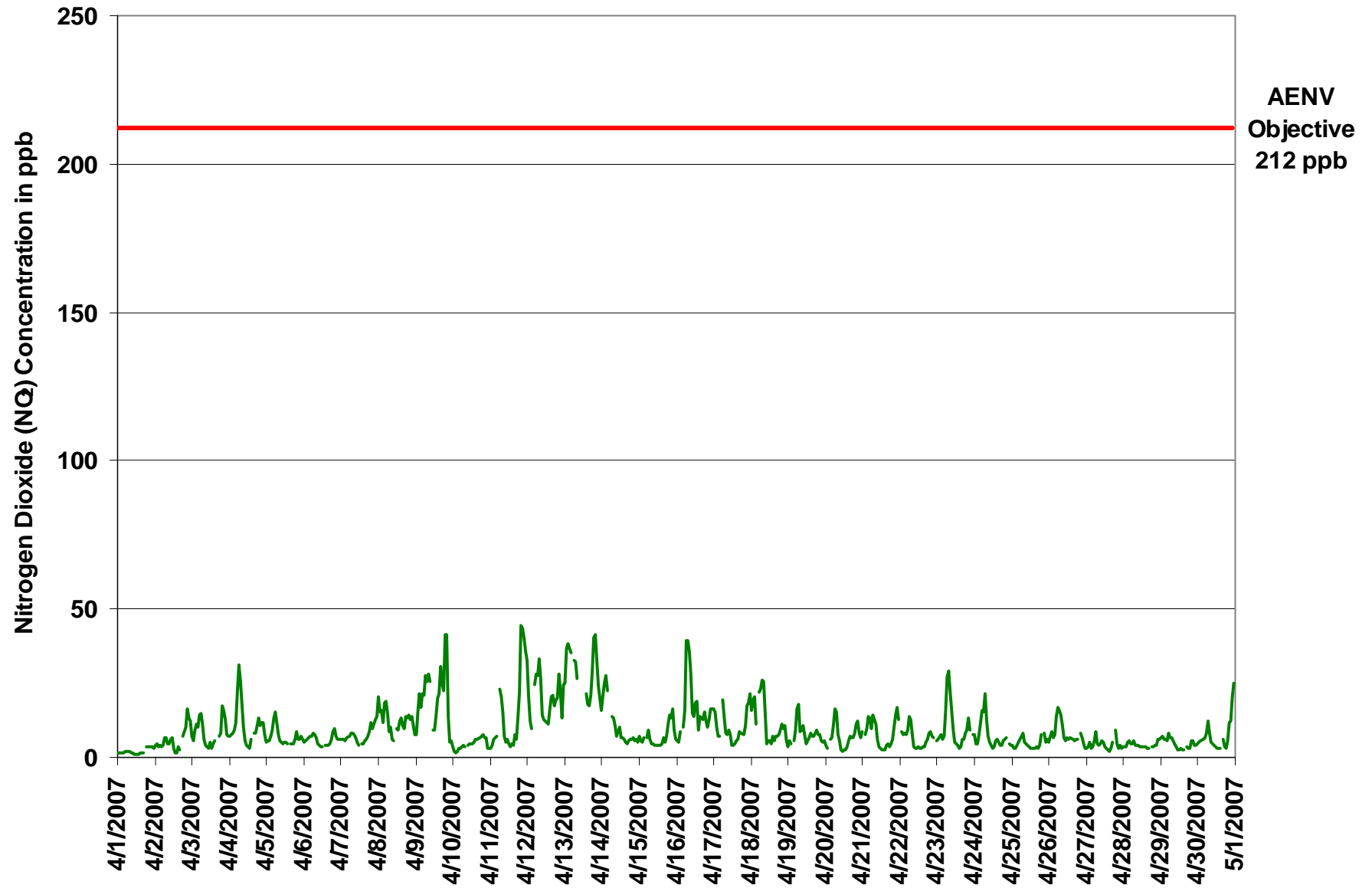


Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

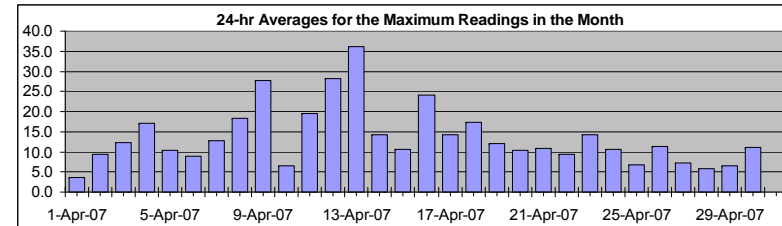
Nitrogen Dioxide (NO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	50.4	ppb	13-Apr	19:00 20:00
Maximum 24-hr Value:	36.2	ppb	13-Apr	

AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	45.4	34.7	17.1	9.7	6.5	4.0	2.4	13.4 ppb	9.7 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-Apr-07	2	2	3	2	3	3	4	4	3	4	2	3	2	2	2	4	3	A	8	6	5	5	5	3.6	8.5	
2-Apr-07	6	8	5	6	6	6	10	9	8	8	9	10	5	3	3	7	5	A	13	14	17	23	16	18	9.5	22.5
3-Apr-07	11	8	12	16	14	20	21	14	10	6	5	6	7	6	7	7	A	10	14	24	24	17	10	9	12.2	24.1
4-Apr-07	10	12	13	14	20	31	35	34	27	17	8	8	6	7	17	A	12	15	16	26	17	18	18	14	17.2	34.7
5-Apr-07	9	9	8	11	14	17	24	16	10	8	6	9	10	7	A	6	7	8	11	14	8	7	9	8	10.2	23.8
6-Apr-07	6	7	7	8	9	9	10	10	22	7	6	6	4	A	5	7	9	9	9	12	13	10	7	8	8.8	22.3
7-Apr-07	8	8	9	8	15	13	14	12	10	10	9	12	A	9	8	13	11	16	16	21	12	14	20	25	12.7	25.5
8-Apr-07	29	21	23	19	24	27	27	11	14	7	10	A	14	12	18	18	14	15	29	23	22	18	20	10	18.4	29.3
9-Apr-07	12	26	29	25	31	29	33	35	32	31	A	12	13	21	26	31	41	30	37	45	44	40	8	8	27.7	45.0
10-Apr-07	5	3	2	3	4	4	6	6	5	A	5	6	6	7	6	9	8	9	10	12	9	11	5	5	6.5	12.4
11-Apr-07	4	6	9	8	9	A	30	30	20	12	6	9	6	6	7	7	11	11	27	47	48	48	45	43	19.6	48.0
12-Apr-07	40	31	17	13	A	36	35	35	42	34	28	17	18	17	22	29	31	24	27	32	38	33	18	35	28.2	41.9
13-Apr-07	34	41	41	39	39	A	37	40	33	C	C	C	C	A	27	22	23	30	44	50	46	47	32	29	36.2	50.4
14-Apr-07	18	25	31	35	28	A	19	23	16	9	13	13	9	8	8	6	6	8	8	9	10	10	6	6	14.3	34.7
15-Apr-07	9	8	6	10	A	10	12	10	6	6	6	6	6	6	7	8	12	7	11	23	21	20	22	14	10.7	23.5
16-Apr-07	8	6	17	A	13	35	45	46	38	37	22	22	29	29	19	21	24	18	24	18	15	24	26	21	24.1	46.2
17-Apr-07	19	18	18	10	9	A	21	17	13	9	12	10	5	5	6	7	8	16	16	10	15	28	27	27	14.3	27.9
18-Apr-07	26	25	27	16	A	28	28	32	33	27	10	9	8	7	12	8	10	12	11	17	14	15	17	9	17.4	32.6
19-Apr-07	6	12	8	A	8	15	21	25	11	15	14	13	9	11	19	13	12	11	12	10	12	9	9	7	12.1	25.1
20-Apr-07	6	4	A	9	8	15	29	20	12	9	4	3	3	7	5	9	10	10	12	11	15	16	12	9	10.3	29.2
21-Apr-07	14	A	9	12	17	16	13	17	13	11	5	4	4	3	4	8	7	7	10	10	15	16	21	17	10.9	20.6
22-Apr-07	A	11	10	10	11	13	19	17	11	5	4	5	8	4	4	5	5	8	13	12	13	10	9	A	9.4	18.6
23-Apr-07	9	9	19	7	10	26	37	36	25	20	13	6	7	5	4	6	8	10	12	16	18	13	A	11	14.2	37.1
24-Apr-07	13	6	6	13	16	23	19	27	17	12	8	6	4	7	9	10	7	7	7	8	9	A	6	5	10.6	26.9
25-Apr-07	6	4	4	6	7	8	8	10	8	7	6	5	4	4	5	6	5	5	7	13	A	11	9	9	6.9	12.5
26-Apr-07	6	9	12	8	14	19	22	24	18	17	10	9	10	9	9	11	9	9	8	A	11	9	6	5	11.3	23.6
27-Apr-07	4	5	7	4	5	8	12	7	7	7	8	8	6	5	5	5	5	7	A	21	11	6	10	5	7.2	20.8
28-Apr-07	5	8	5	8	6	7	6	8	5	5	5	6	5	5	4	5	5	A	6	5	6	7	8	10	5.9	9.9
29-Apr-07	8	10	7	8	8	10	10	10	7	6	5	4	4	4	5	4	A	5	6	6	8	8	7	6	6.6	10.1
30-Apr-07	6	7	8	10	9	14	17	14	7	6	7	6	5	6	6	A	10	6	6	10	18	17	30	30	11.0	30.5
Hourly Avg	11.6	12.0	12.8	12.0	13.1	16.9	20.8	19.9	16.1	12.6	8.8	8.3	7.8	8.0	9.6	10.4	11.3	11.6	15.0	18.2	17.7	17.4	15.2	14.0		
Hourly Max	39.6	41.2	40.8	39.1	38.6	36.1	45.3	46.2	41.9	36.9	27.9	22.0	29.3	29.1	26.6	30.8	41.1	29.7	44.2	50.4	47.8	48.0	45.2	43.1		

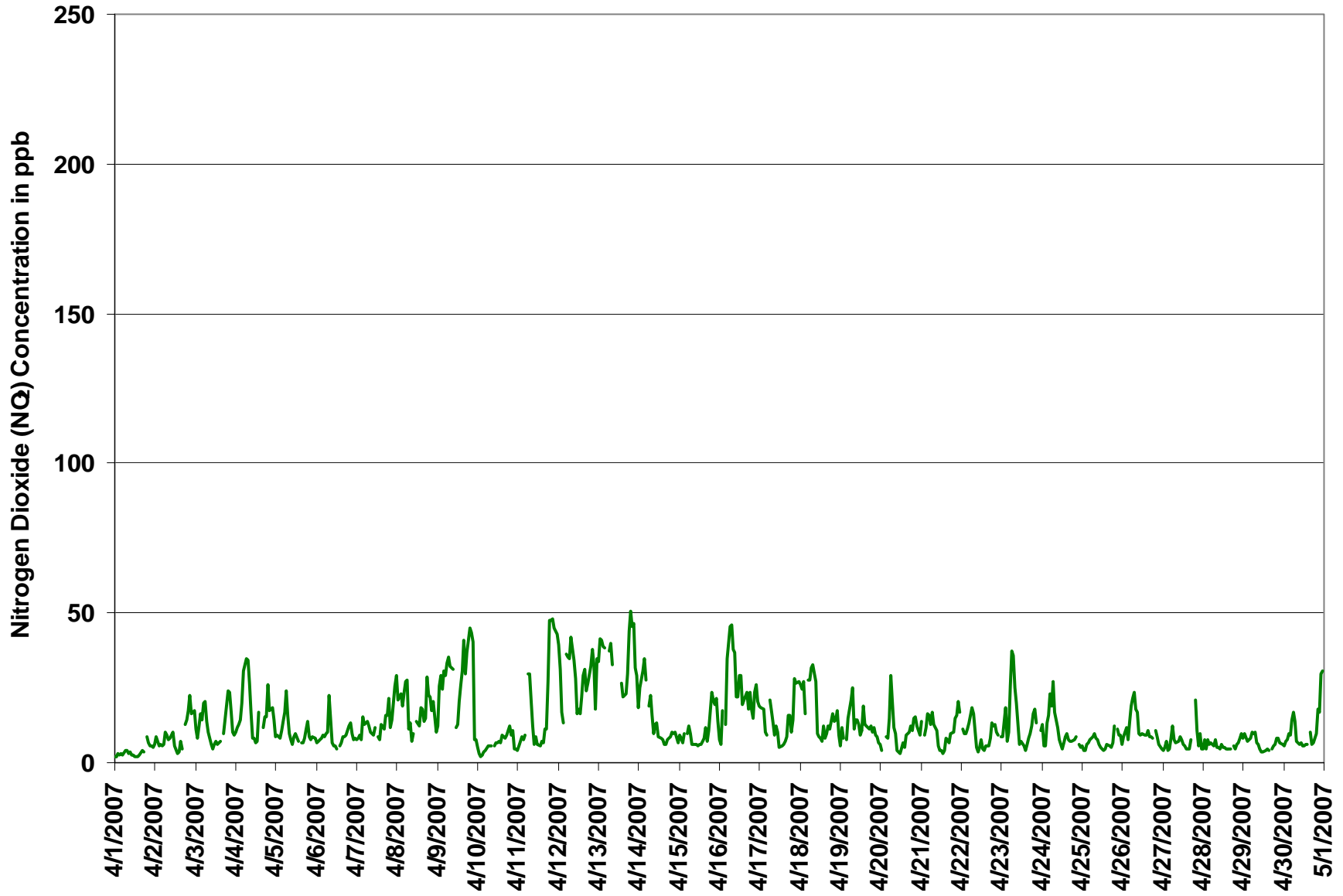
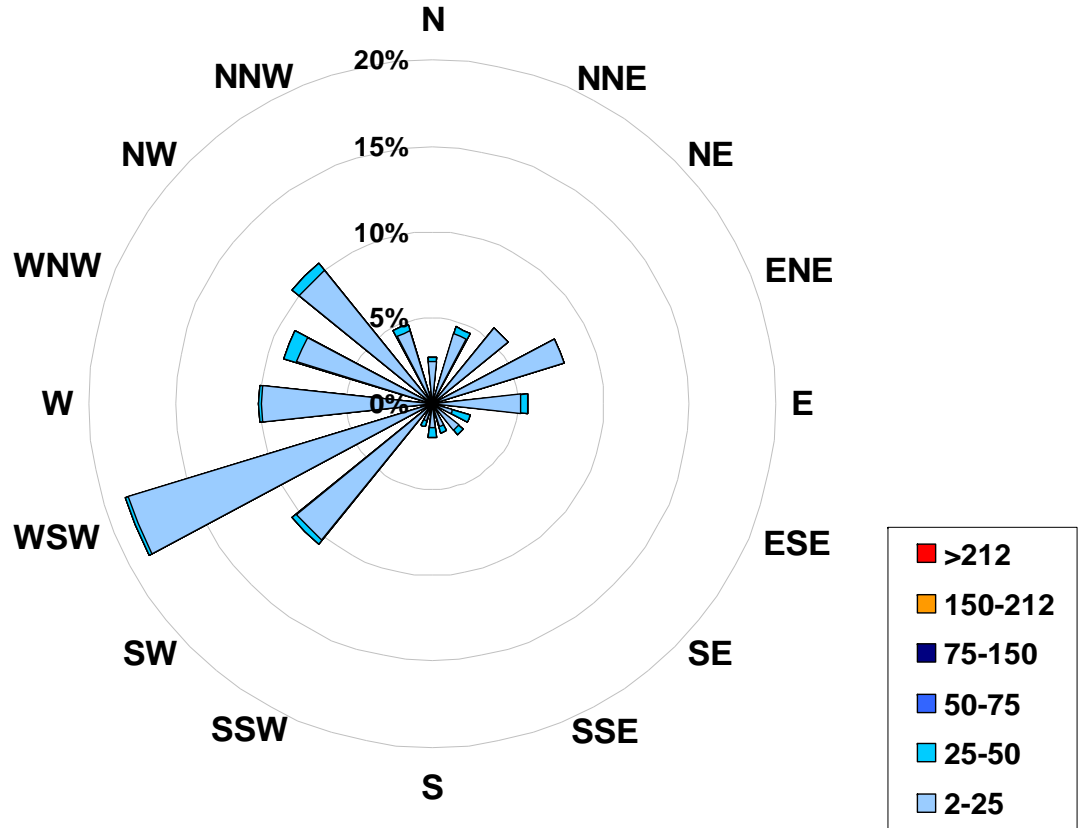


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Nitrogen Dioxide (in ppb) Located at the Henry Pirker Site for April 2007



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		668
25	to 50		15
50	to 75		1
75	to 150		0
150	to 212		0
	> 212		0
Total Non-Zero Values			684

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

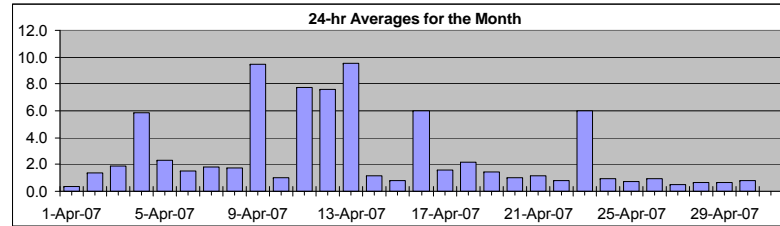
HOURLY AVERAGE TABLE

Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	50.8	ppb	23-Apr	6:00 7:00
Maximum 24-hr Average:	9.5	ppb	13-Apr	



AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	36.1	9.2	2.2	0.9	0.5	0.1	0.0	2.6 ppb	0.9 ppb

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

Day	Mountain Standard Time																							24-hour Average	Daily Maximum		
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	A	1	0	0	0	0	0	0.4	0.9	
2-Apr-07	0	0	0	0	0	0	1	2	2	3	4	5	2	1	1	3	1	A	2	1	1	1	0	0	1.4	5.5	
3-Apr-07	0	0	0	0	0	1	1	3	3	2	3	3	5	3	4	4	A	3	2	2	1	1	0	0	1.8	5.0	
4-Apr-07	0	0	0	1	1	4	27	28	19	11	5	4	4	3	5	A	4	4	3	3	2	1	2	2	5.8	28.3	
5-Apr-07	1	1	1	1	1	3	5	5	5	4	4	4	4	3	A	2	2	2	1	1	1	1	1	1	2.3	5.4	
6-Apr-07	1	1	1	1	1	1	1	2	4	3	3	3	2	A	2	2	2	2	1	1	1	1	1	1	1.6	3.6	
7-Apr-07	1	1	1	1	1	1	2	2	2	4	3	3	A	2	2	3	3	2	3	2	1	1	1	1	1.8	3.6	
8-Apr-07	1	1	1	0	1	1	1	2	4	3	4	A	5	4	4	5	2	1	1	0	0	0	0	0	1.8	5.0	
9-Apr-07	0	1	0	0	1	2	14	20	35	36	A	8	5	4	7	6	9	6	4	32	28	2	0	0	9.5	35.5	
10-Apr-07	0	0	0	0	0	0	0	1	1	A	1	2	3	2	3	3	2	2	1	1	0	0	0	0	1.0	2.8	
11-Apr-07	0	0	0	0	0	A	4	7	8	4	3	3	2	2	2	2	3	2	3	2	22	39	48	22	7.8	47.7	
12-Apr-07	4	1	0	0	A	2	7	16	40	30	12	9	6	6	9	11	10	6	4	1	0	0	0	0	7.6	40.1	
13-Apr-07	0	6	18	10	10	A	27	44	22	C	C	C	C	A	6	4	4	3	5	6	2	1	1	0	9.5	44.3	
14-Apr-07	0	1	1	2	2	A	1	2	2	1	2	2	2	2	1	1	1	1	1	0	0	0	0	0	1.1	2.0	
15-Apr-07	0	0	0	0	A	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0.8	2.3	
16-Apr-07	0	0	0	A	0	1	19	39	28	24	6	3	4	5	2	2	1	1	1	1	0	1	1	0	6.0	38.8	
17-Apr-07	0	1	0	0	0	A	5	4	3	3	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1.6	5.0	
18-Apr-07	1	1	1	1	A	2	3	9	11	6	1	2	1	1	2	2	1	1	1	1	1	1	0	1	2.2	10.5	
19-Apr-07	1	1	0	A	0	1	2	4	2	2	3	2	1	2	3	2	1	1	1	1	1	0	0	0	1.4	4.2	
20-Apr-07	0	0	A	1	1	1	3	3	2	2	1	0	0	1	1	1	1	1	2	1	1	1	0	0	1.0	3.4	
21-Apr-07	0	A	0	0	1	1	1	5	3	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1.2	5.4	
22-Apr-07	A	1	1	0	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	1.6	
23-Apr-07	0	0	0	0	0	4	51	46	15	7	3	1	1	1	0	1	1	1	1	1	1	1	1	A	1	6.0	50.8
24-Apr-07	0	0	0	0	0	1	1	5	2	1	1	1	1	1	1	1	1	1	1	0	0	A	0	0	1.0	5.1	
25-Apr-07	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	A	0	0	0	0.7	1.7	
26-Apr-07	0	0	0	0	0	1	2	2	3	3	1	1	1	1	1	1	1	0	0	A	0	0	0	0	0.9	2.6	
27-Apr-07	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	A	1	0	0	0	0	0.5	1.1	
28-Apr-07	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A	1	0	0	0	0	0	0.6	1.0	
29-Apr-07	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	A	0	0	0	0	0	0	0	0.7	1.5	
30-Apr-07	0	0	0	0	0	1	3	2	1	1	1	1	1	1	0	A	1	0	0	0	0	0	1	2	0.8	2.6	
Hourly Avg	0.5	0.6	1.0	0.8	0.9	1.1	6.3	8.7	7.4	5.6	2.6	2.4	2.1	1.8	2.3	2.2	2.2	1.7	1.5	2.2	2.4	2.0	2.1	1.2			
Hourly Max	3.6	6.2	18.0	10.4	9.6	3.9	50.8	45.5	40.1	35.5	12.0	8.6	5.9	5.8	9.3	11.2	10.3	5.8	4.7	32.2	28.0	38.9	47.7	21.9			

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

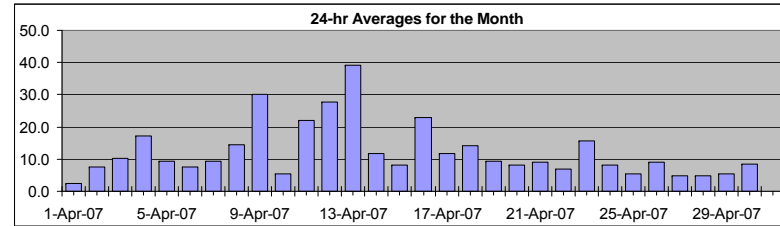
Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	88.0	ppb	11-Apr	22:00 23:00
Maximum 24-hr Average:	39.0	ppb	13-Apr	

AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	73.5	35.6	13.4	7.8	5.6	3.2	1.8	12.0 ppb	7.8 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																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00		
1-Apr-07	2	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	A	5	4	4	4	3		2.4	4.5
2-Apr-07	4	5	4	5	4	4	8	8	6	7	10	12	5	3	3	7	4	A	9	9	11	17	14	13		7.5	17.2
3-Apr-07	7	6	9	11	11	15	16	14	9	6	6	6	10	6	8	9	A	10	10	20	17	13	8	7		10.2	19.8
4-Apr-07	7	8	9	10	13	27	59	55	37	21	11	8	7	6	11	A	12	12	14	16	13	14	13	9		17.1	58.7
5-Apr-07	6	6	7	8	11	16	21	17	12	10	8	9	10	8	A	7	6	6	7	10	7	7	8	7		9.3	21.0
6-Apr-07	6	6	7	8	8	8	9	10	11	7	7	7	6	A	6	6	6	7	8	10	11	8	7	7		7.6	10.7
7-Apr-07	7	7	7	6	8	8	10	10	10	10	8	8	A	7	7	8	9	9	11	14	11	12	14	15		9.4	14.5
8-Apr-07	21	16	17	12	19	20	16	10	14	10	9	A	15	13	17	18	13	11	14	13	15	13	14	8		14.3	21.4
9-Apr-07	8	16	22	17	22	23	41	45	63	62	A	17	14	18	27	28	39	31	27	74	70	16	5	6		30.0	73.8
10-Apr-07	4	2	2	2	3	4	4	5	5	A	6	7	7	7	8	9	8	9	8	8	7	7	3	3		5.5	8.6
11-Apr-07	3	4	6	6	7	A	26	28	23	11	8	9	7	5	6	6	11	8	16	24	66	83	88	58		22.1	88.0
12-Apr-07	36	21	12	9	A	26	35	44	73	56	26	21	18	17	26	31	31	23	23	21	28	23	14	25		27.8	73.4
13-Apr-07	25	43	57	47	45	A	60	77	49	C	C	C	C	A	28	22	22	24	34	46	43	34	25	20		39.0	77.0
14-Apr-07	16	22	26	30	24	A	15	15	12	8	C	10	12	8	9	8	6	6	7	7	6	7	6	5		11.8	29.5
15-Apr-07	7	6	5	7	A	7	10	7	6	6	5	5	5	5	6	6	9	7	8	12	15	13	17	9		8.0	16.8
16-Apr-07	7	5	9	A	10	17	58	78	64	52	21	17	22	23	11	16	14	13	16	13	11	13	17	17		22.8	78.0
17-Apr-07	17	16	10	7	7	A	24	17	11	10	12	10	5	5	6	7	7	11	9	8	11	18	18	22		11.7	24.1
18-Apr-07	16	20	22	11	A	24	26	34	36	21	5	7	7	6	9	7	8	9	9	10	12	10	11	6		14.2	35.6
19-Apr-07	4	6	5	A	6	10	18	22	10	11	14	10	6	8	11	9	8	10	10	8	8	6	6	6		9.3	22.0
20-Apr-07	4	3	A	7	7	12	19	19	10	8	3	3	3	3	4	7	9	8	8	9	12	13	9	7		8.1	19.2
21-Apr-07	9	A	8	10	15	14	11	20	14	8	4	4	3	3	3	5	5	4	6	8	11	15	18	13		9.1	19.6
22-Apr-07	A	9	8	8	8	9	15	14	8	4	3	3	4	3	3	4	4	6	7	9	10	7	7	A		7.0	14.8
23-Apr-07	6	6	8	6	7	20	78	75	37	22	12	5	5	4	3	4	7	7	9	9	14	10	A	8		15.7	77.6
24-Apr-07	8	4	4	8	12	17	16	26	15	9	6	4	4	4	7	7	6	5	4	6	7	A	5	5		8.2	26.3
25-Apr-07	4	3	3	4	5	7	8	10	7	6	5	4	4	4	4	4	4	4	5	8	A	9	6	6		5.4	9.7
26-Apr-07	5	7	9	7	8	15	19	18	17	13	8	7	8	7	7	7	6	7	6	A	8	7	5	3		9.0	18.9
27-Apr-07	3	4	5	3	4	6	9	5	5	5	7	6	4	4	3	2	3	6	A	10	5	3	4	3		4.9	9.9
28-Apr-07	4	4	4	6	6	5	5	7	5	5	5	5	4	4	4	4	4	A	4	4	4	5	6	7		4.9	6.8
29-Apr-07	7	8	6	6	6	9	8	8	7	6	4	3	3	4	4	3	A	4	4	3	6	6	4	5		5.4	8.9
30-Apr-07	5	6	6	7	7	9	15	10	7	6	6	4	4	4	4	A	7	4	3	6	12	13	22	25		8.4	24.6
Hourly Avg	8.9	9.3	10.3	9.7	10.6	12.8	22.1	23.7	19.5	14.4	8.3	7.7	7.1	6.9	8.5	9.0	9.8	9.3	10.6	13.8	15.7	13.9	13.0	11.3			
Hourly Max	36.1	43.0	57.0	47.4	45.0	26.6	77.6	78.0	73.4	61.5	26.0	21.2	22.2	23.4	28.0	31.4	39.2	31.1	33.8	73.8	69.5	82.6	88.0	57.8			

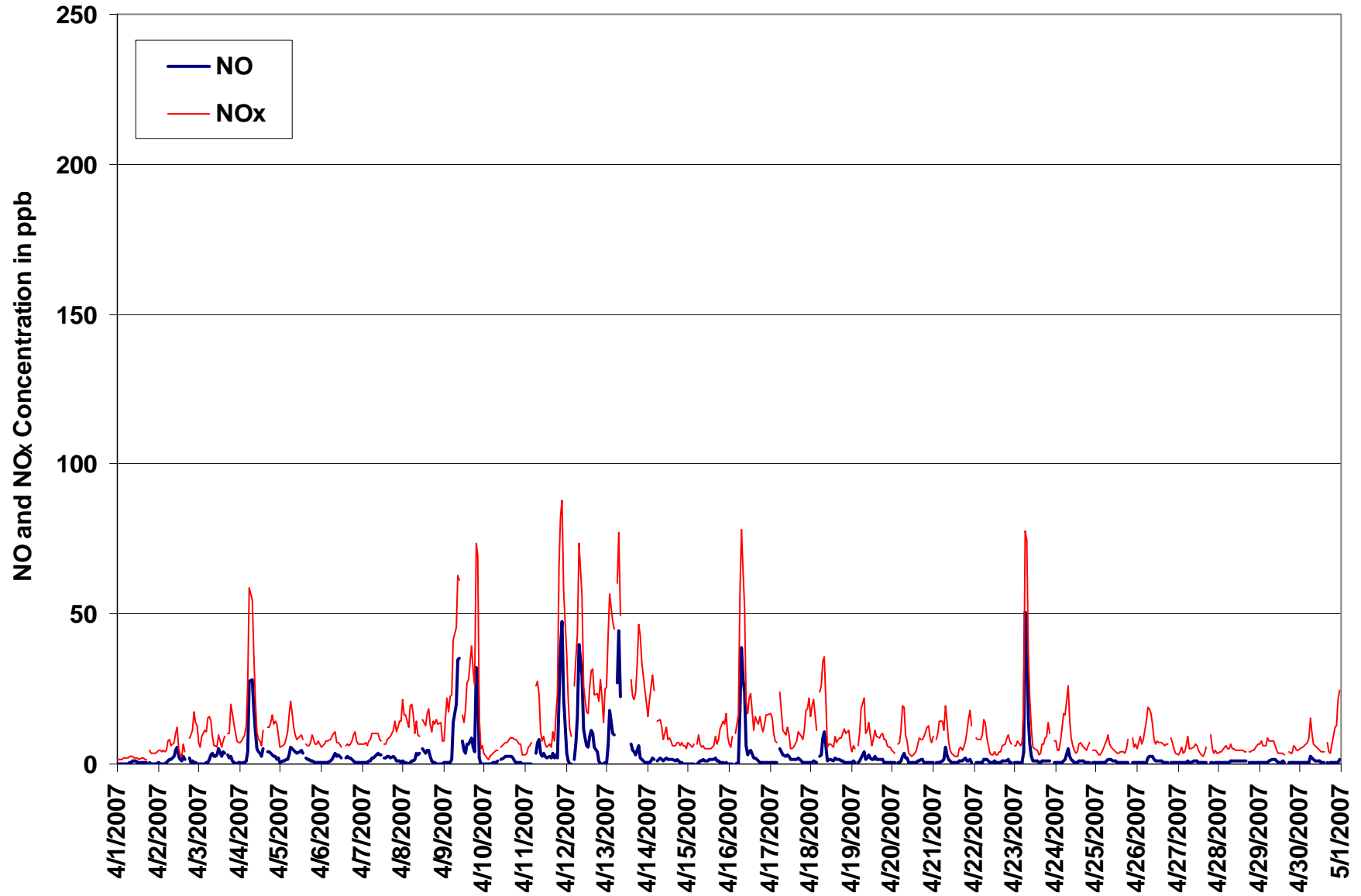


Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

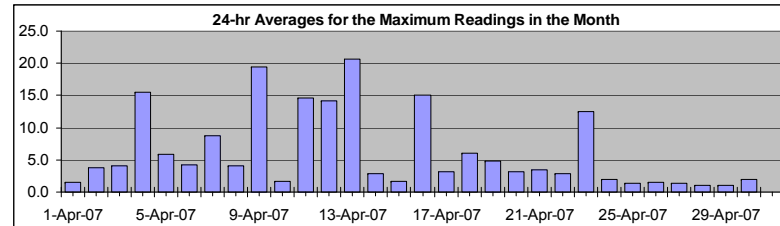
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	102.1	ppb	23-Apr	6:00 7:00
Maximum 24-hr Value:	20.7	ppb	13-Apr	



AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	68.4	20.5	5.9	2.4	1.0	0.4	0.4	6.0 ppb	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-Apr-07	1	0	0	1	1	1	1	1	1	3	2	2	2	1	1	1	2	1	A	7	1	1	1	1	1.5	7.4
2-Apr-07	1	2	0	0	1	1	2	3	4	5	7	9	5	2	2	5	4	A	13	2	8	5	1	1	3.7	13.3
3-Apr-07	0	0	0	0	2	2	3	5	6	3	4	6	10	14	6	5	A	5	6	5	4	1	1	1	4.0	13.5
4-Apr-07	1	1	1	1	2	12	55	53	34	19	9	8	11	8	29	A	8	19	12	16	16	15	11	14	15.5	55.2
5-Apr-07	5	12	5	8	5	6	15	8	6	7	7	11	15	7	A	3	3	3	2	2	1	1	2	1	5.9	15.3
6-Apr-07	1	1	2	1	1	2	4	4	21	4	7	5	4	A	3	6	8	8	4	2	2	1	1	1	4.2	20.7
7-Apr-07	1	2	3	5	15	7	13	12	4	10	8	16	A	9	8	9	8	13	14	12	8	6	13	7	8.8	16.5
8-Apr-07	12	5	3	1	2	4	4	2	6	4	7	A	10	5	6	9	4	2	1	1	1	1	1	1	4.1	11.9
9-Apr-07	5	8	4	1	4	8	32	69	49	52	A	11	8	6	11	13	18	8	10	70	36	23	1	0	19.4	70.2
10-Apr-07	1	1	1	0	1	1	1	2	A	2	3	3	4	4	4	3	2	2	1	1	1	1	1	1	1.7	4.0
11-Apr-07	0	0	0	0	0	A	9	11	12	6	3	5	4	4	4	4	6	4	9	13	59	66	70	43	14.6	69.6
12-Apr-07	16	3	0	0	A	10	14	27	62	47	33	12	13	11	16	19	21	10	6	2	2	0	0	2	14.2	62.4
13-Apr-07	1	15	24	25	17	A	68	83	42	C	C	C	C	A	10	7	8	5	25	19	11	7	3	1	20.7	83.2
14-Apr-07	1	2	6	8	6	A	3	8	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2.8	8.4
15-Apr-07	1	0	0	1	A	1	1	2	2	2	2	2	2	3	3	3	5	2	2	1	1	1	1	0	1.6	5.5
16-Apr-07	0	0	1	A	0	8	62	71	57	60	12	10	13	9	12	7	8	1	1	4	1	3	4	1	15.1	71.1
17-Apr-07	1	1	0	0	0	A	8	8	6	4	5	4	2	2	2	2	3	3	3	1	3	4	4	1	3.1	8.5
18-Apr-07	3	1	2	1	A	10	6	21	18	16	5	4	3	4	6	5	3	10	6	5	4	1	1	2	6.0	20.8
19-Apr-07	3	10	1	A	1	6	4	9	5	6	5	6	4	4	13	8	5	7	5	3	1	1	1	0	4.8	13.0
20-Apr-07	0	1	A	1	1	3	13	6	3	4	1	1	1	8	1	1	4	3	7	4	2	3	1	1	3.1	13.3
21-Apr-07	0	A	1	1	1	1	3	9	4	3	3	1	2	1	2	4	3	4	8	9	10	2	4	1	3.5	9.5
22-Apr-07	A	4	2	1	1	1	2	3	2	1	1	2	4	1	3	2	2	5	3	4	5	5	5	A	2.8	5.2
23-Apr-07	2	0	1	0	0	16	102	89	21	13	5	2	2	1	1	1	2	3	5	5	4	6	A	2	12.4	102.1
24-Apr-07	1	0	0	1	1	7	2	10	5	3	2	1	1	1	2	2	1	1	1	1	0	A	0	0	2.0	10.4
25-Apr-07	0	0	0	0	0	0	1	2	2	3	2	2	1	1	2	2	2	1	1	1	A	0	0	0	1.3	2.7
26-Apr-07	0	0	0	0	0	1	3	4	4	5	2	2	2	2	1	1	2	1	1	A	0	0	0	0	1.6	5.5
27-Apr-07	0	0	0	0	0	0	2	1	2	2	2	2	1	1	1	2	0	1	A	9	0	0	0	0	1.3	8.7
28-Apr-07	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	A	1	1	1	0	1	1	1.0	1.9
29-Apr-07	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	2	A	1	1	1	1	0	0	0	1.1	2.4
30-Apr-07	0	0	0	1	0	4	5	4	2	2	3	2	2	2	1	A	2	1	1	1	1	1	3	6	1.9	6.0
Hourly Avg	2.0	2.6	2.2	2.3	2.6	4.3	14.9	17.8	13.0	10.4	5.3	4.9	4.7	4.2	5.4	4.8	5.0	4.6	5.5	7.1	6.3	5.5	4.6	3.1		
Hourly Max	15.5	15.2	24.2	25.3	17.3	16.2	102.1	88.5	62.4	59.7	33.2	16.5	15.3	13.5	29.2	18.5	20.8	19.5	24.6	70.2	58.8	66.2	69.6	42.6		

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

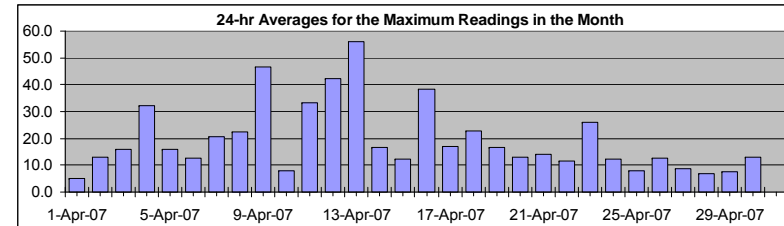
Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	138.3	ppb	23-Apr	6:00 7:00
Maximum 24-hr Value:	55.9	ppb	13-Apr	

AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	107.8	55.6	21.5	12.6	8.4	4.9	3.1	19.1 ppb	12.6 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-Apr-07	3	2	3	3	4	3	5	5	5	6	4	5	4	3	3	4	5	4	A	14	7	6	7	6	4.9	14.3
2-Apr-07	6	10	6	6	6	7	13	12	11	13	16	19	10	5	6	12	9	A	26	17	25	28	17	18	13.2	28.1
3-Apr-07	12	8	12	17	17	22	22	18	15	10	9	12	17	19	13	13	A	15	19	29	27	18	10	9	15.8	28.6
4-Apr-07	10	12	13	15	22	42	89	86	61	36	17	16	18	15	45	A	20	34	27	40	33	33	27	26	32.0	89.4
5-Apr-07	14	19	12	18	19	21	39	23	16	15	13	20	25	13	A	9	10	11	13	16	9	9	11	9	15.8	39.0
6-Apr-07	7	8	9	9	10	10	13	15	43	11	12	11	8	A	8	13	17	17	13	14	14	11	9	9	12.7	43.3
7-Apr-07	9	10	13	12	30	19	24	22	14	19	17	27	A	18	15	20	19	28	30	31	20	20	32	27	20.7	31.9
8-Apr-07	41	26	26	19	25	32	31	13	19	11	16	A	24	18	24	27	18	16	30	24	22	18	22	11	22.4	40.8
9-Apr-07	17	33	32	26	32	36	65	105	82	82	A	23	20	26	37	43	59	38	46	112	79	63	8	8	46.6	112.1
10-Apr-07	5	3	3	3	4	5	7	7	7	A	7	9	10	10	10	13	11	11	12	14	9	11	5	5	7.9	13.8
11-Apr-07	4	6	9	8	9	A	38	40	32	18	9	13	10	9	11	10	17	16	36	61	103	112	112	85	33.4	112.5
12-Apr-07	55	33	17	13	A	46	49	61	103	80	60	28	31	27	38	48	52	33	33	34	40	33	18	36	42.1	103.3
13-Apr-07	35	56	63	61	52	A	106	124	73	C	C	C	C	A	37	28	29	34	69	69	57	52	32	29	55.9	123.9
14-Apr-07	19	26	34	43	33	A	21	31	19	12	15	16	11	10	10	9	8	10	10	9	11	10	11	7	16.7	42.7
15-Apr-07	9	9	7	10	A	10	13	11	8	8	8	8	8	9	10	11	17	9	13	25	21	20	22	14	12.2	24.6
16-Apr-07	8	6	18	A	13	42	107	113	94	97	33	29	42	38	31	24	31	19	25	21	16	26	30	21	38.5	113.2
17-Apr-07	20	19	18	11	9	A	29	25	19	12	18	15	7	8	7	9	11	19	18	11	16	31	31	29	17.0	31.2
18-Apr-07	29	26	28	17	A	37	34	52	47	42	13	13	11	11	18	14	12	22	17	21	16	15	18	11	22.7	52.4
19-Apr-07	8	21	9	A	8	20	26	34	16	19	18	18	14	15	32	20	16	18	16	12	12	10	10	7	16.5	33.6
20-Apr-07	6	4	A	9	9	17	43	26	15	14	5	5	4	15	6	11	11	13	19	15	16	17	13	10	13.1	42.7
21-Apr-07	14	A	11	12	17	17	16	26	17	14	8	5	6	4	6	12	10	11	17	19	22	17	25	18	14.0	26.4
22-Apr-07	A	16	11	10	12	13	21	19	12	6	4	7	11	5	5	7	7	11	16	14	17	13	14	A	11.5	21.0
23-Apr-07	10	9	19	7	10	40	138	123	46	32	18	7	8	7	5	7	9	12	17	21	20	19	A	11	25.9	138.3
24-Apr-07	13	6	6	13	17	28	21	37	21	14	9	7	5	8	10	11	9	9	8	8	9	A	6	5	12.1	37.1
25-Apr-07	6	4	4	6	7	8	10	12	10	10	8	7	5	5	7	8	7	6	8	14	A	11	9	9	8.0	13.7
26-Apr-07	6	9	12	7	14	20	25	27	22	22	11	12	11	11	10	12	10	10	9	A	11	9	6	5	12.7	27.5
27-Apr-07	4	5	7	4	5	8	14	8	9	9	11	9	8	7	6	7	5	8	A	29	11	6	10	5	8.6	29.4
28-Apr-07	5	8	5	8	7	7	7	9	6	6	6	8	7	7	6	6	6	A	7	6	7	7	9	11	6.9	10.9
29-Apr-07	9	10	8	8	9	11	11	12	9	8	7	5	5	6	6	6	A	6	6	7	9	8	7	6	7.6	11.9
30-Apr-07	6	7	8	11	10	19	22	18	10	8	9	8	7	9	7	A	12	7	7	11	19	17	33	34	13.0	34.0
Hourly Avg	13.4	14.1	14.6	13.8	15.2	20.8	35.3	37.2	28.7	22.7	13.7	12.9	12.4	12.1	14.8	14.7	16.1	15.9	20.2	24.7	23.4	22.5	19.4	16.6		
Hourly Max	55.1	55.7	63.4	61.0	51.9	45.8	138.3	123.9	103.3	96.8	60.2	29.3	41.9	37.5	45.1	47.6	59.2	38.2	68.8	112.1	103.0	111.9	112.5	84.8		

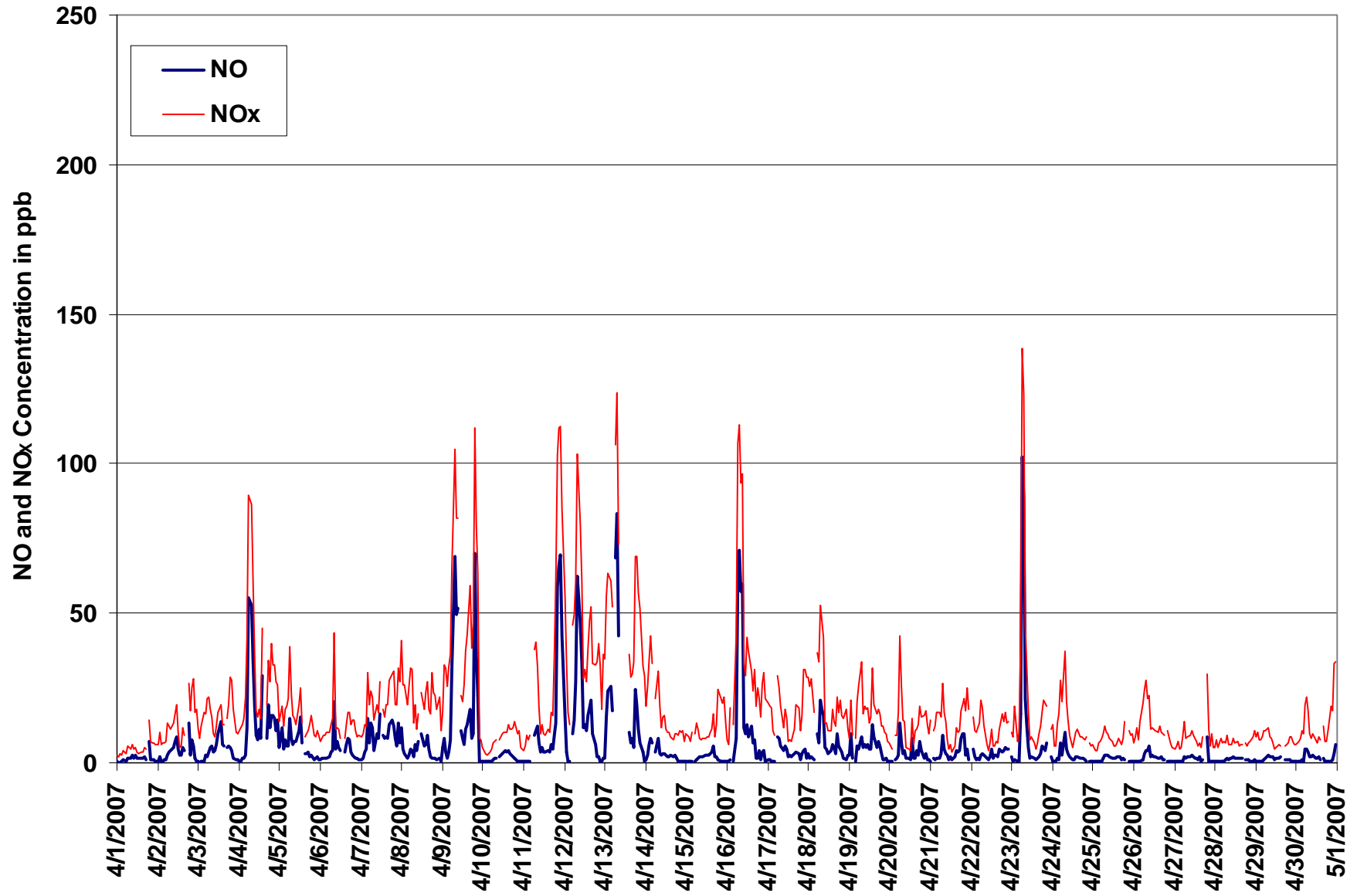


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

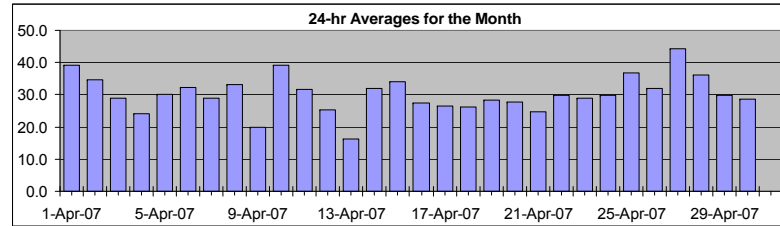
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	53.8	ppb	27-Apr	15:00 16:00
Maximum 24-hr Average:	44.3	ppb	27-Apr	

AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	50.0	42.9	37.5	32.1	24.8	10.2	1.1	30.3 ppb	32.1 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																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
1-Apr-07	39	39	39	39	38	38	37	37	38	39	39	39	40	41	41	42	43	42	A	40	38	38	37	36	39.0	42.5	
2-Apr-07	34	34	34	34	35	35	32	32	35	35	35	35	38	40	41	39	40	A	37	35	34	27	29	28	34.7	40.9	
3-Apr-07	32	33	28	25	25	21	20	24	30	33	34	35	31	32	33	33	A	33	32	23	24	25	29	27	28.9	34.7	
4-Apr-07	25	24	22	20	18	8	1	7	14	22	26	27	29	31	32	A	33	34	31	28	30	29	28	31	24.0	34.4	
5-Apr-07	32	31	28	25	22	18	17	21	25	28	30	32	33	35	A	38	38	37	35	32	33	34	32	32	30.0	38.3	
6-Apr-07	33	33	32	31	30	30	29	30	30	32	32	33	35	A	36	36	36	36	34	31	28	32	31	29	32.1	36.2	
7-Apr-07	28	27	27	26	25	24	23	24	25	26	26	28	31	A	37	39	40	39	37	35	29	28	24	22	20	28.9	40.1
8-Apr-07	9	14	12	18	11	12	21	28	26	31	34	A	39	43	46	47	51	53	49	50	46	42	39	42	33.2	52.6	
9-Apr-07	40	29	18	19	13	10	3	7	6	10	A	25	30	31	24	25	22	25	21	1	0	27	37	36	19.9	39.7	
10-Apr-07	37	39	40	40	39	38	37	38	38	A	39	40	41	41	41	40	40	39	39	37	38	38	42	41	39.3	41.7	
11-Apr-07	41	39	37	36	35	A	22	24	30	39	42	43	45	46	45	46	44	45	36	27	2	0	0	2	31.6	46.2	
12-Apr-07	3	11	21	25	A	14	14	17	13	18	29	32	37	39	35	32	34	38	35	33	22	26	33	18	25.2	39.0	
13-Apr-07	16	3	0	1	1	A	1	6	14	11	14	23	C	C	C	A	45	42	30	17	11	18	28	31	16.3	44.5	
14-Apr-07	27	16	12	5	6	A	28	31	31	36	39	38	41	43	43	41	40	38	37	37	36	36	36	36	32.0	43.2	
15-Apr-07	33	34	35	33	A	35	33	35	36	37	38	38	38	38	38	37	34	36	34	30	28	27	24	31	34.0	38.2	
16-Apr-07	34	36	32	A	32	24	4	3	6	14	26	32	28	31	41	36	36	34	33	34	34	29	26	21	27.3	41.3	
17-Apr-07	15	18	28	24	22	A	13	21	25	26	28	31	35	36	36	37	36	33	32	32	27	19	19	13	26.4	37.0	
18-Apr-07	18	11	7	17	A	10	12	12	16	29	40	40	39	39	36	36	36	33	31	29	27	28	28	32	26.3	39.7	
19-Apr-07	33	31	27	A	26	25	19	19	26	25	25	28	31	31	32	32	32	31	30	30	29	31	30	29	28.4	33.0	
20-Apr-07	30	32	A	30	27	22	19	19	25	29	32	34	35	35	34	32	30	30	29	26	22	20	24	24	27.9	35.2	
21-Apr-07	20	A	18	16	10	7	10	9	20	28	33	36	39	41	40	38	35	32	31	29	23	18	14	17	24.6	41.2	
22-Apr-07	A	16	15	16	17	17	16	21	30	35	35	37	39	40	42	42	39	37	36	32	31	31	30	A	29.7	42.4	
23-Apr-07	27	22	21	23	19	9	1	7	14	24	33	39	41	43	44	44	43	42	40	37	30	34	A	33	29.1	44.0	
24-Apr-07	27	28	26	21	20	17	17	13	23	31	35	38	38	39	37	35	37	36	35	32	30	A	36	34	29.7	38.6	
25-Apr-07	35	37	37	35	33	31	31	31	34	36	39	41	43	43	43	42	42	42	40	34	A	32	33	31	36.8	42.9	
26-Apr-07	30	26	26	29	26	20	20	23	24	30	37	39	39	40	40	40	40	38	36	A	32	32	34	35	32.0	40.4	
27-Apr-07	39	37	33	38	37	36	36	45	46	46	47	49	51	53	54	53	51	A	45	44	47	42	45	44.3	53.8		
28-Apr-07	42	41	39	34	32	36	39	37	40	41	41	41	42	41	39	36	35	A	35	33	31	29	25	25	36.3	41.9	
29-Apr-07	24	23	23	24	24	21	22	21	25	28	33	37	38	38	38	40	A	40	37	35	30	29	29	29	29.8	40.2	
30-Apr-07	26	27	26	26	24	22	19	25	29	33	34	36	38	38	38	A	37	39	38	34	26	23	13	5	28.5	38.7	
Hourly Avg	28.6	27.3	25.7	25.4	23.9	22.3	20.0	22.2	25.7	29.3	33.6	35.4	37.5	38.7	38.9	38.6	38.3	37.7	34.6	31.4	28.1	28.5	28.6	28.1			
Hourly Max	41.9	41.1	40.4	40.3	39.0	37.6	39.0	44.9	45.6	45.7	45.8	47.1	49.4	51.4	53.0	53.8	53.0	52.6	49.0	49.8	45.8	46.7	42.0	45.2			

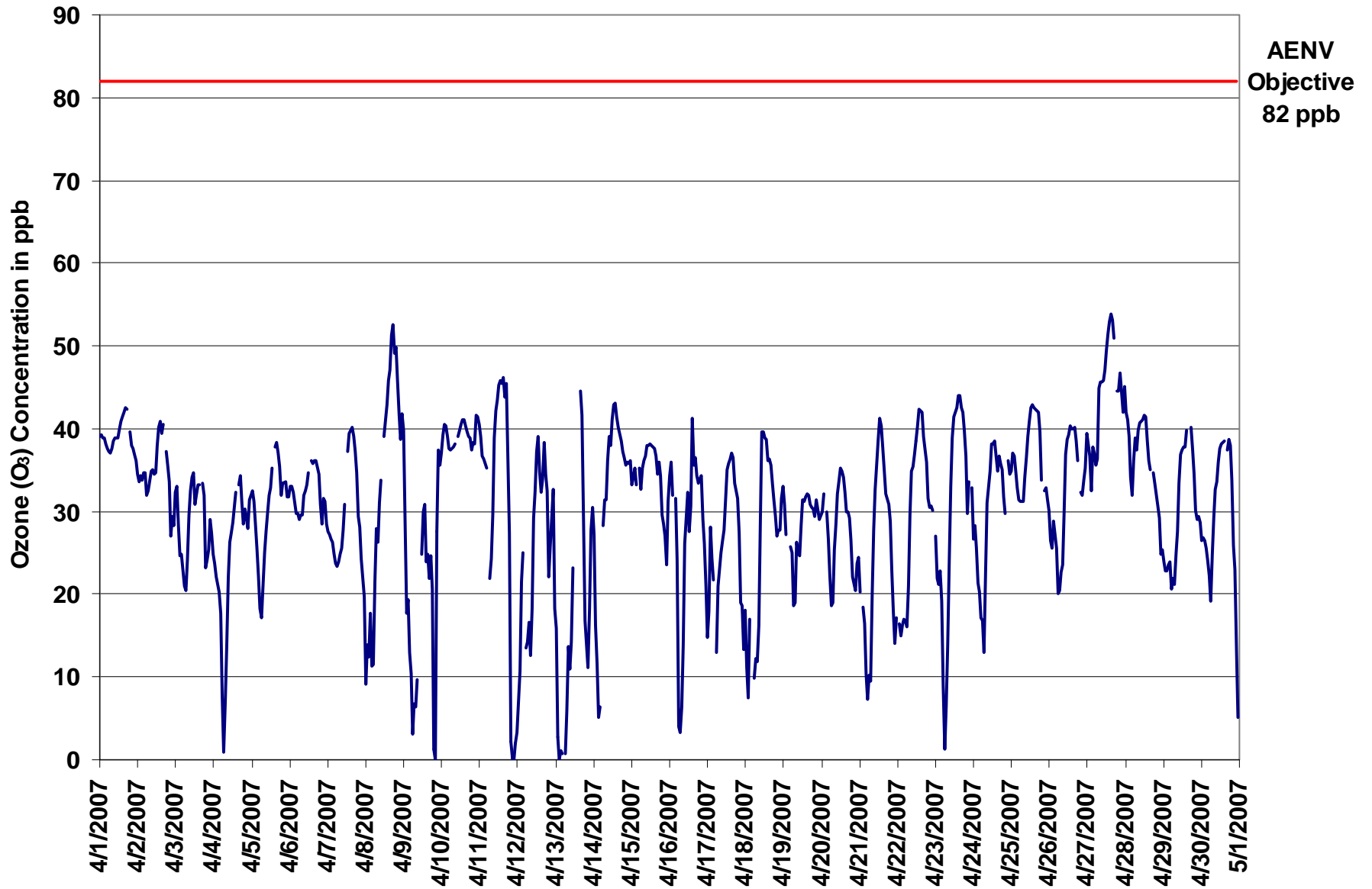


Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

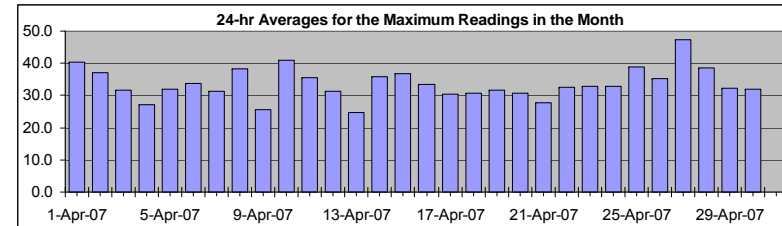
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	59.6	ppb	8-Apr	17:00 18:00
Maximum 24-hr Value:	47.2	ppb	27-Apr	



AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	53.7	45.5	39.9	35.0	28.4	16.8	6.0	33.7 ppb	35.0 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-Apr-07	40	40	40	40	40	38	38	38	39	40	40	41	42	43	43	44	44	A	42	40	39	38	38	40.3	43.6	
2-Apr-07	35	35	36	35	36	36	34	34	36	36	37	40	41	42	41	42	A	40	40	37	35	33	32	37.1	42.2	
3-Apr-07	35	35	33	27	28	25	24	27	33	33	36	37	33	33	35	34	A	35	35	30	28	29	31	30	31.6	37.1
4-Apr-07	27	26	26	23	22	13	4	13	18	26	28	29	31	32	34	A	36	37	35	33	34	32	30	33	27.0	37.2
5-Apr-07	34	33	30	28	24	20	21	24	27	30	31	33	36	37	A	39	40	39	38	35	36	35	34	33	32.0	39.7
6-Apr-07	34	34	33	32	31	31	30	31	32	33	34	34	36	A	37	37	37	37	36	35	30	34	33	31	33.7	37.4
7-Apr-07	29	29	28	28	26	25	26	26	27	28	30	34	A	39	41	42	41	40	37	34	29	27	26	26	31.2	41.7
8-Apr-07	15	20	17	22	19	19	28	29	29	34	35	A	45	48	52	50	58	60	57	57	52	50	43	44	38.3	59.6
9-Apr-07	43	37	27	25	21	18	7	13	11	18	A	29	35	36	31	31	29	29	30	9	2	35	39	38	25.7	43.0
10-Apr-07	39	41	42	41	40	39	38	39	40	A	40	41	42	43	42	42	41	41	41	40	42	41	43	42	40.9	43.4
11-Apr-07	42	41	40	38	38	A	34	31	34	43	44	46	47	47	48	49	46	48	42	38	9	1	1	11	35.7	48.6
12-Apr-07	10	21	26	27	A	25	22	19	17	23	33	36	41	41	40	39	40	43	39	44	29	36	37	30	31.3	44.4
13-Apr-07	21	14	1	7	6	A	3	20	20	15	21	28	C	C	C	A	49	51	39	40	22	36	39	38	24.7	51.0
14-Apr-07	38	23	24	10	17	A	34	34	34	39	41	41	44	45	45	43	42	40	39	38	37	38	39	39	35.8	45.1
15-Apr-07	38	37	37	35	A	37	36	38	37	38	39	40	40	40	39	39	37	37	38	35	34	32	28	34	36.8	39.9
16-Apr-07	37	38	37	A	33	31	12	7	8	22	34	39	37	43	45	41	47	44	43	39	37	36	33	25	33.3	47.3
17-Apr-07	19	24	32	28	23	A	16	25	27	29	30	35	36	37	38	40	40	38	37	35	32	28	27	22	30.3	39.9
18-Apr-07	23	19	15	24	A	20	18	19	21	40	41	41	41	41	39	39	38	36	34	32	30	31	34	34	30.9	41.5
19-Apr-07	35	34	31	A	28	29	24	28	28	28	28	32	33	35	35	35	35	34	33	33	32	34	34	31	31.6	35.3
20-Apr-07	32	34	A	32	28	25	24	23	29	32	33	35	36	36	36	35	32	32	32	30	29	25	27	27	30.7	36.5
21-Apr-07	26	A	21	19	14	10	16	17	24	31	35	39	41	42	42	40	38	34	33	32	27	20	18	22	27.8	42.2
22-Apr-07	A	19	16	18	22	21	20	25	36	37	37	38	40	42	44	45	41	39	39	36	34	34	32	A	32.5	45.1
23-Apr-07	29	24	25	26	23	19	2	16	16	31	41	42	43	44	45	45	45	44	43	42	33	36	A	37	32.7	45.4
24-Apr-07	32	30	29	28	24	23	22	19	27	34	37	40	40	40	39	37	39	38	37	34	31	A	37	36	32.8	40.3
25-Apr-07	38	38	38	37	35	33	33	34	37	39	41	43	44	44	44	44	44	44	43	39	A	34	34	34	38.9	44.4
26-Apr-07	33	30	28	32	27	24	24	27	27	37	40	41	43	43	42	44	43	41	39	A	35	34	36	39	35.2	43.5
27-Apr-07	42	40	36	40	38	37	42	47	48	48	48	50	52	54	55	55	55	53	A	49	51	49	47	48	47.2	55.5
28-Apr-07	45	44	42	37	35	39	40	41	41	42	42	43	43	43	41	39	36	A	36	35	33	31	28	29	38.5	45.1
29-Apr-07	26	25	24	26	27	23	24	24	27	30	38	39	39	40	40	42	A	42	39	39	33	32	31	31	32.3	42.4
30-Apr-07	28	28	28	29	26	25	25	29	31	35	36	38	40	41	40	A	41	41	40	39	31	31	24	8	31.9	41.5
Hourly Avg	31.8	30.7	29.1	28.4	27.1	26.4	24.0	26.6	28.7	32.8	36.3	38.0	40.0	41.0	41.3	41.1	41.2	40.9	38.4	36.7	32.1	33.0	32.3	31.8		
Hourly Max	45.1	43.8	42.1	41.1	40.3	39.2	41.7	47.1	47.7	47.6	48.2	49.7	52.4	53.5	54.7	55.5	57.9	59.6	56.6	57.4	51.6	50.2	46.9	48.0		

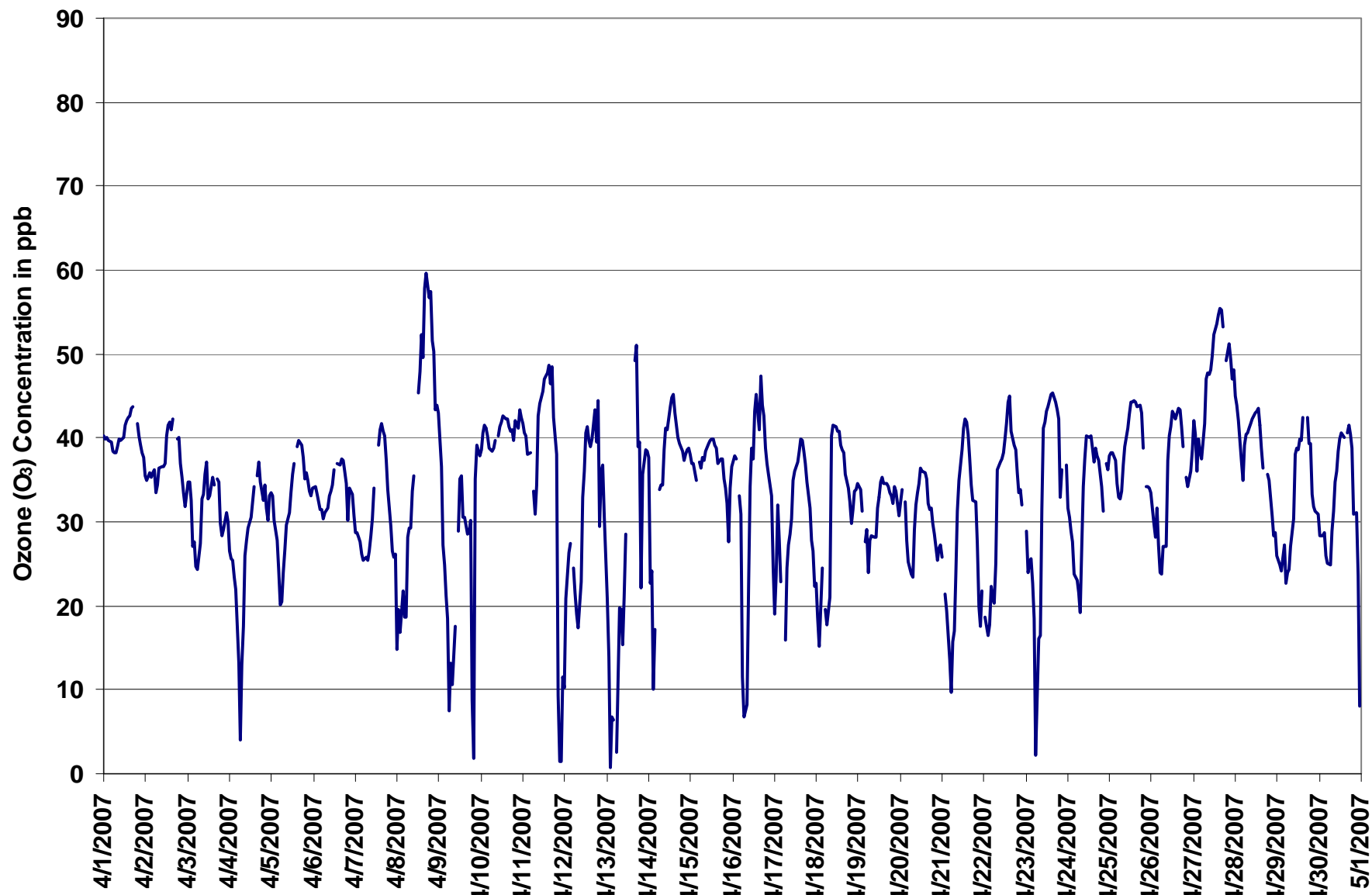
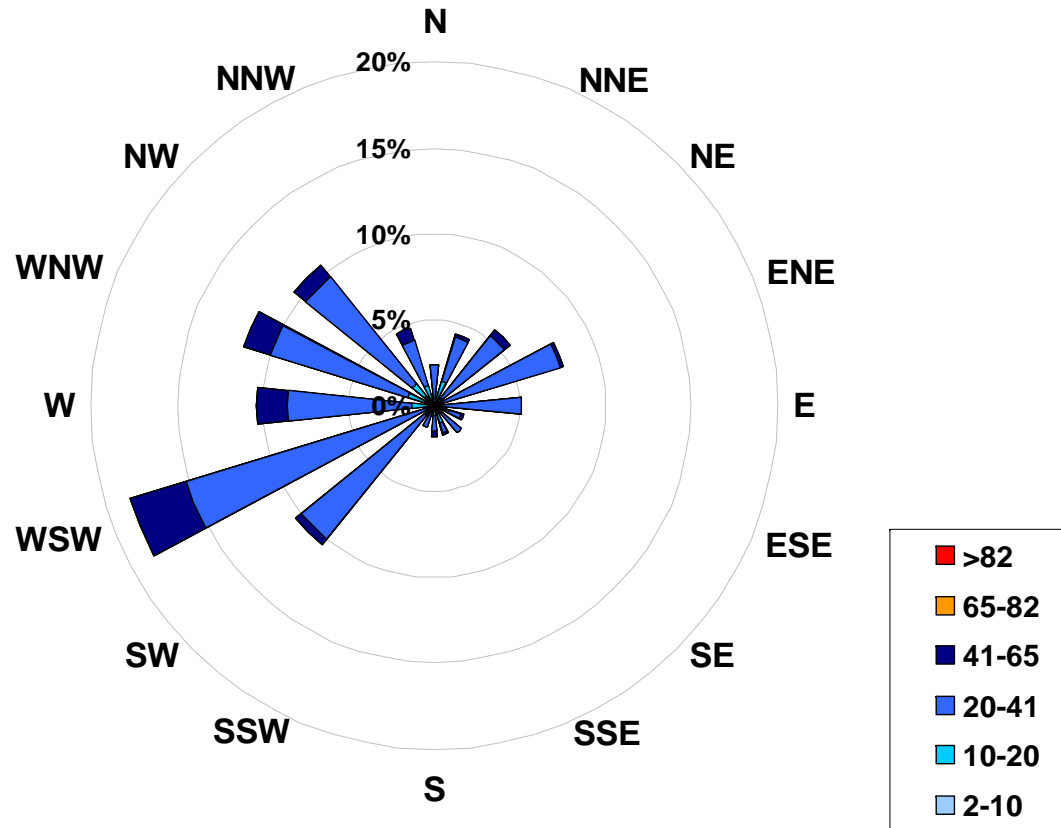


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Henry Pirker Site for April 2007



Calms: 0%

Frequency Distribution of O ₃ in ppb			
Range		Frequency (hrs)	
2.0	< 10	34	
10	to 20	67	
20	to 41	515	
41	to 65	69	
65	to 82	0	
	> 82	0	
Total Non-Zero Values			685

PASZA - Henry Pirker - Ozone Eight Hour Average Summary

Station: Henry Pirker
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

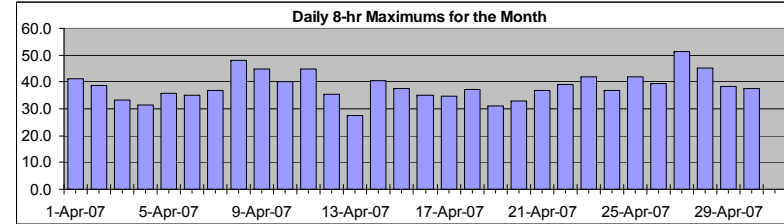
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	51.2 ppb 27-Apr 18:00 19:00

Percentile							
99	95	75	50	25	5	1	
48.0	41.4	36.3	31.4	25.2	14.9	9.0	



Status Flag Characters

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

Day	Mountain Standard Time																							Daily Maximum																									
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00
1-Apr-07	40	40	40	39	39	39	38	38	38	38	38	38	38	39	39	40	40	41	41	41	41	40	40	39	41.3																								
2-Apr-07	38	37	36	36	35	35	34	34	34	34	34	34	35	35	36	37	38	38	39	39	39	38	36	35	33	38.8																							
3-Apr-07	32	32	31	30	29	28	27	26	26	26	28	28	30	31	33	33	33	33	31	31	30	29	29	28	33.1																								
4-Apr-07	27	26	25	25	24	22	18	15	14	14	14	15	17	20	23	26	29	30	31	31	31	31	31	31	31	31.5																							
5-Apr-07	31	30	30	30	29	27	26	25	24	23	23	24	25	28	29	31	33	35	36	36	36	36	35	35	34	35.6																							
6-Apr-07	34	33	33	33	32	32	31	31	30	30	30	31	31	31	33	33	34	35	35	35	34	34	33	32	35.2																								
7-Apr-07	31	30	29	28	28	27	26	25	25	25	25	26	26	28	30	32	34	36	37	37	36	34	32	29	37.0																								
8-Apr-07	26	23	20	18	16	15	15	16	18	20	23	23	27	32	35	38	42	45	47	47	48	48	47	46	48.1																								
9-Apr-07	45	42	38	34	30	26	22	17	13	11	10	11	13	16	19	21	24	26	25	22	18	18	20	21	44.9																								
10-Apr-07	23	25	27	32	37	38	38	39	39	39	38	38	39	39	40	40	40	40	40	40	39	39	39	39	40.2																								
11-Apr-07	39	39	39	39	39	39	36	33	32	32	33	34	35	36	39	42	44	45	44	42	37	31	25	20	44.7																								
12-Apr-07	15	10	8	8	9	11	13	15	16	17	19	20	22	25	28	29	32	35	35	35	33	32	31	30	35.3																								
13-Apr-07	27	23	19	15	12	10	6	4	4	5	7	10	N	N	N	N	N	N	N	N	N	N	27	28	27.6																								
14-Apr-07	25	22	20	18	18	18	18	18	19	21	25	30	35	36	38	39	40	41	40	40	39	39	38	37	40.5																								
15-Apr-07	36	36	35	35	35	35	34	34	35	35	35	36	36	37	37	37	37	37	37	36	34	33	31	31	37.4																								
16-Apr-07	31	31	30	30	31	30	28	24	20	16	16	18	17	18	23	27	30	33	34	34	35	35	33	31	35.0																								
17-Apr-07	28	26	26	24	23	22	20	20	22	23	23	24	26	27	30	32	33	34	35	35	34	32	29	27	34.7																								
18-Apr-07	24	21	18	16	15	14	13	12	12	15	19	23	25	28	31	34	37	37	36	35	34	32	31	31	37.3																								
19-Apr-07	30	30	29	29	29	29	27	26	25	24	23	24	25	26	27	29	30	30	31	31	31	31	31	30	31.3																								
20-Apr-07	30	30	30	30	30	29	27	25	25	24	25	26	27	28	30	32	33	33	32	32	30	28	27	26	32.8																								
21-Apr-07	25	24	22	21	19	17	15	13	13	15	17	19	23	27	31	34	36	37	36	36	34	31	27	25	36.7																								
22-Apr-07	23	21	19	17	16	16	16	17	18	21	23	26	29	32	35	37	39	39	39	38	37	36	35	34	39.1																								
23-Apr-07	32	30	28	26	25	22	17	16	14	15	16	18	21	25	31	35	39	41	42	42	40	39	38	37	41.9																								
24-Apr-07	34	33	30	28	27	25	24	21	21	21	22	24	26	29	32	34	36	37	37	36	35	34	34	34	36.8																								
25-Apr-07	34	34	34	35	35	35	34	34	34	34	34	35	36	37	39	40	41	42	42	41	41	39	38	36	41.9																								
26-Apr-07	35	32	30	30	29	28	26	25	24	25	26	27	29	32	34	36	38	39	39	39	38	37	36	35	39.2																								
27-Apr-07	35	35	35	35	36	36	36	38	38	39	41	42	44	46	48	49	50	51	51	51	50	50	48	47	51.2																								
28-Apr-07	45	44	43	42	40	39	39	38	37	37	38	38	40	40	40	40	39	39	38	37	36	34	32	30	45.1																								
29-Apr-07	29	28	27	25	25	23	23	23	23	23	25	26	28	30	32	34	36	38	38	38	37	36	34	33	38.2																								
30-Apr-07	32	30	29	28	27	26	25	24	25	26	26	28	29	31	34	35	36	37	38	37	36	34	30	27	37.8																								

Hourly Max 45.1 43.7 43.1 41.8 40.3 38.9 38.6 38.6 38.7 39.5 41.1 42.3 43.8 45.8 47.9 49.0 49.9 50.6 51.2 50.9 50.2 49.5 47.9 46.7

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

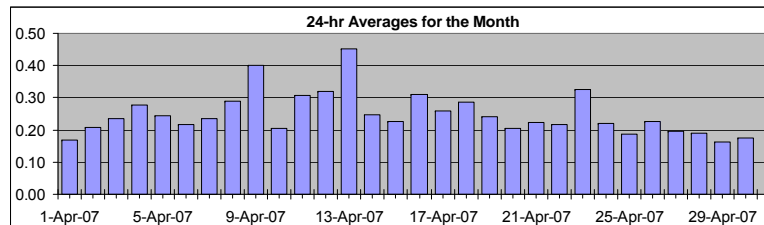
HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances: 0			
Maximum 1-hr Average:	1.3 ppm	23-Apr	6:00 7:00
Maximum 24-hr Value:	0.5 ppm	13-Apr	



AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.4	0.3	0.2	0.2	0.2	0.2	0.2 ppm	0.2 ppm

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.17	0.21
2-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	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	0.21	0.24
3-Apr-07	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	0.3	0.2	0.2	0.2	A	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.23	0.32
4-Apr-07	0.2	0.2	0.2	0.2	0.2	0.3	0.6	0.6	0.4	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.28	0.57
5-Apr-07	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.24	0.39
6-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.22	0.35	
7-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.24	0.28	
8-Apr-07	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.29	0.35	
9-Apr-07	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	A	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.8	0.7	0.3	0.2	0.2	0.40	0.79	
10-Apr-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.23	
11-Apr-07	0.2	0.2	0.2	0.2	0.2	A	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.7	0.9	0.8	0.5	0.31	0.89	
12-Apr-07	0.3	0.3	0.2	0.2	A	0.3	0.4	0.4	0.5	C	C	C	C	A	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.4	0.32	0.48	
13-Apr-07	0.4	0.5	0.6	0.5	0.4	A	0.5	0.7	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.3	0.45	0.74	
14-Apr-07	0.3	0.4	0.4	0.4	0.3	A	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	0.25	0.38	
15-Apr-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.23	0.32	
16-Apr-07	0.2	0.2	0.2	A	0.2	0.3	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.31	0.65	
17-Apr-07	0.3	0.3	0.3	0.2	0.2	A	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.26	0.36	
18-Apr-07	0.3	0.4	0.4	0.3	A	0.3	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.29	0.45	
19-Apr-07	0.2	0.2	0.2	A	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.24	0.30	
20-Apr-07	0.2	0.2	A	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.21	0.28	
21-Apr-07	0.2	A	0.2	0.2	0.2	0.2	0.2	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	0.3	0.3	0.3	0.3	0.22	0.32	
22-Apr-07	A	0.2	0.2	0.2	0.2	0.2	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	0.3	0.2	0.2	A	0.22	0.27		
23-Apr-07	0.2	0.2	0.2	0.2	0.2	0.5	1.3	0.9	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	A	0.2	0.33	1.34	
24-Apr-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.22	0.34	
25-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.19	0.23	
26-Apr-07	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.22	0.27	
27-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.22	
28-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	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	0.19	0.20	
29-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.1	A	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.16	0.19	
30-Apr-07	0.2	0.2	0.2	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	0.1	0.2	0.2	0.2	0.3	0.3	0.17	0.31	
Hourly Avg	0.23	0.23	0.23	0.22	0.22	0.25	0.33	0.34	0.28	0.25	0.23	0.22	0.22	0.21	0.22	0.23	0.23	0.23	0.24	0.26	0.29	0.27	0.26	0.24			
Hourly Max	0.40	0.55	0.64	0.48	0.42	0.47	1.34	0.91	0.51	0.59	0.51	0.42	0.39	0.38	0.37	0.39	0.53	0.45	0.42	0.79	0.74	0.89	0.81	0.53			

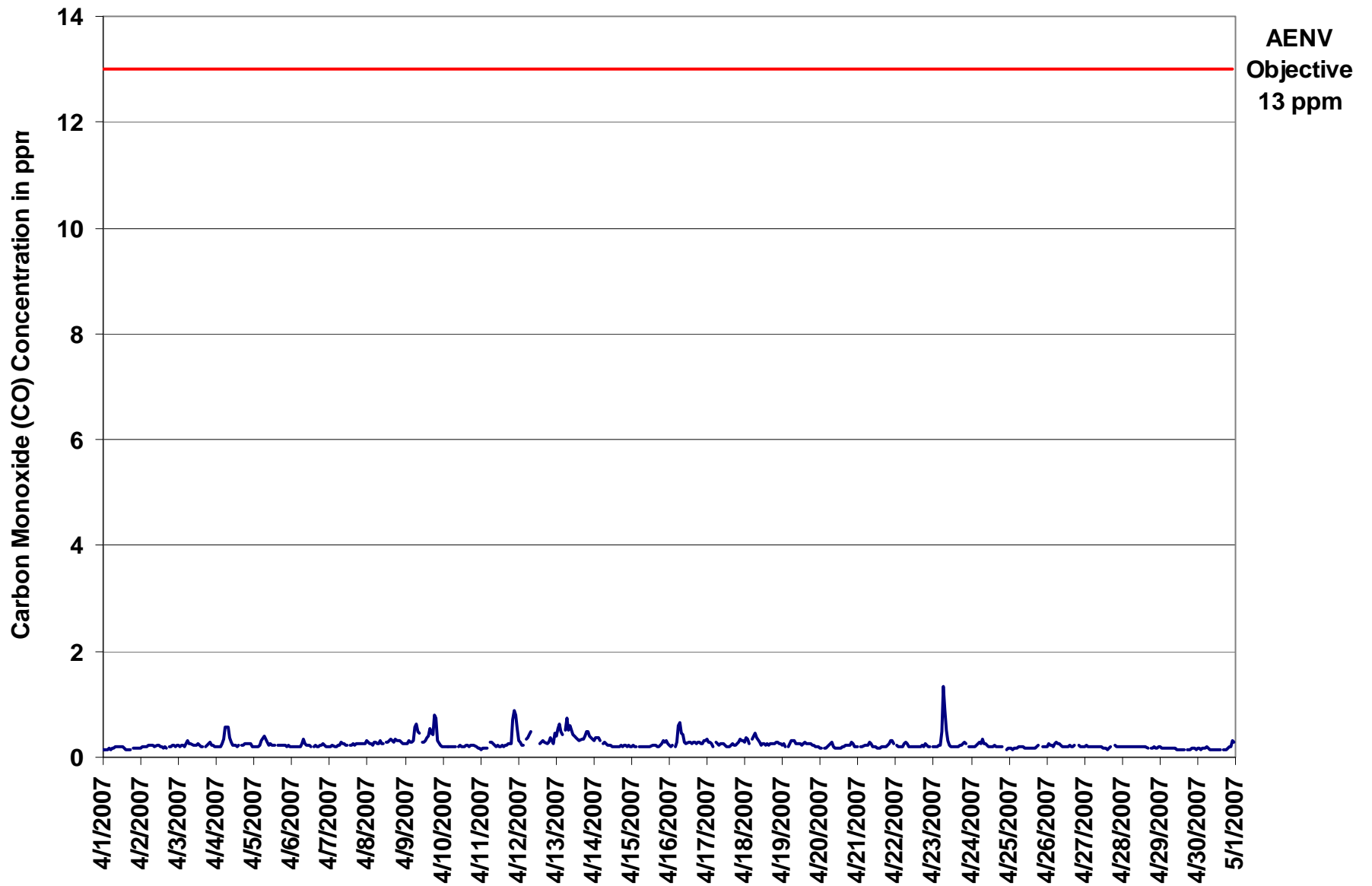


Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

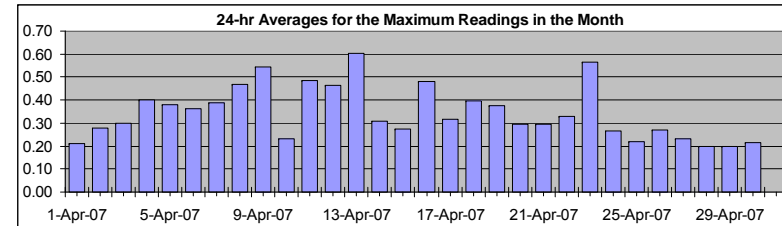
Carbon Monoxide (CO)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	3.5	ppm	23-Apr	6:00 7:00
Maximum 24-hr Value:	0.6	ppm	13-Apr	

AIC Time:	32 hrs	Operational Time:	684 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	0.7	0.4	0.3	0.2	0.2	0.2	0.3 ppm	0.3 ppm



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	A	0.3	0.2	0.2	0.2	0.2	0.21	0.30	
2-Apr-07	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.2	A	0.4	0.4	0.3	0.3	0.3	0.28	0.39	
3-Apr-07	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	A	0.3	0.4	0.3	0.4	0.4	0.4	0.30	0.51	
4-Apr-07	0.2	0.2	0.4	0.3	0.3	0.5	0.8	0.8	0.6	0.4	0.3	0.4	0.3	0.3	0.7	A	0.3	0.4	0.3	0.4	0.3	0.6	0.3	0.40	0.82	
5-Apr-07	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	1.1	0.3	0.5	0.3	0.3	0.3	A	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.38	1.10	
6-Apr-07	0.2	0.3	0.2	0.3	0.2	0.3	0.5	0.6	0.8	0.4	0.3	0.4	0.3	A	0.4	0.5	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.36	0.77	
7-Apr-07	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.7	0.3	0.6	0.4	0.4	A	0.3	0.3	0.5	0.4	0.5	0.3	0.7	0.4	0.4	0.3	0.39	0.74	
8-Apr-07	0.7	0.4	0.3	0.3	0.4	0.6	0.4	0.3	1.8	0.4	0.5	A	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.47	1.79	
9-Apr-07	0.4	0.4	0.4	0.4	0.4	0.5	0.8	1.1	0.7	0.7	A	0.4	0.4	0.4	0.5	0.5	0.7	0.5	0.6	1.1	0.9	0.7	0.3	0.55	1.11	
10-Apr-07	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	A	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.23	0.26	
11-Apr-07	0.2	0.2	0.2	0.2	0.2	A	0.4	0.4	0.6	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.5	0.6	2.3	1.2	1.2	0.8	0.48	2.28
12-Apr-07	0.5	0.4	0.3	0.3	A	0.5	0.6	0.7	0.7	C	C	C	C	A	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.8	0.46	0.79
13-Apr-07	0.6	0.7	0.8	0.7	0.6	A	0.9	1.2	0.6	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.60	1.19
14-Apr-07	0.4	0.4	0.5	0.5	0.4	A	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.31	0.51
15-Apr-07	0.3	0.3	0.2	0.2	A	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.4	0.3	0.27	0.45
16-Apr-07	0.2	0.2	0.3	A	0.2	0.5	0.9	1.2	0.5	0.7	0.3	0.9	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.48	1.23
17-Apr-07	0.4	0.4	0.4	0.3	0.3	A	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.31	0.49
18-Apr-07	0.4	0.5	0.5	0.3	A	0.7	0.6	0.7	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.40	0.72
19-Apr-07	0.3	0.3	0.3	A	0.3	0.4	0.4	0.5	0.5	0.3	0.4	0.3	0.3	0.6	0.7	0.4	0.4	0.3	0.6	0.3	0.3	0.3	0.4	0.3	0.37	0.69
20-Apr-07	0.3	0.2	A	0.2	0.2	0.4	0.4	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.5	0.3	0.4	0.4	0.3	0.2	0.30	0.60
21-Apr-07	0.3	A	0.5	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.4	0.4	0.5	0.4	0.29	0.47
22-Apr-07	A	0.6	0.3	0.3	0.2	0.6	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.9	0.3	0.3	A	0.33	0.92	
23-Apr-07	0.2	0.3	0.2	0.3	0.3	2.1	3.5	1.4	0.6	0.4	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.3	0.4	0.4	0.4	0.3	A	0.2	0.56	3.46
24-Apr-07	0.3	0.2	0.2	0.3	0.3	0.5	0.3	0.5	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	A	0.2	0.27	0.47	
25-Apr-07	0.2	0.2	0.2	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	0.3	0.3	A	0.3	0.2	0.22	0.30
26-Apr-07	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	A	0.3	0.3	0.2	0.2	0.27	0.37
27-Apr-07	0.2	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	A	0.3	0.3	0.3	0.2	0.2	0.23	0.40
28-Apr-07	0.2	0.2	0.2	0.2	0.2	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	0.20	0.25
29-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.30
30-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.5	0.22	0.49
Hourly Avg	0.29	0.30	0.29	0.27	0.28	0.44	0.53	0.51	0.45	0.33	0.30	0.30	0.26	0.28	0.31	0.29	0.30	0.32	0.33	0.40	0.42	0.38	0.34	0.31		
Hourly Max	0.66	0.69	0.79	0.69	0.55	2.12	3.46	1.40	1.79	0.71	0.60	0.95	0.50	0.55	0.71	0.50	0.69	0.51	0.61	1.06	2.28	1.19	1.15	0.79		

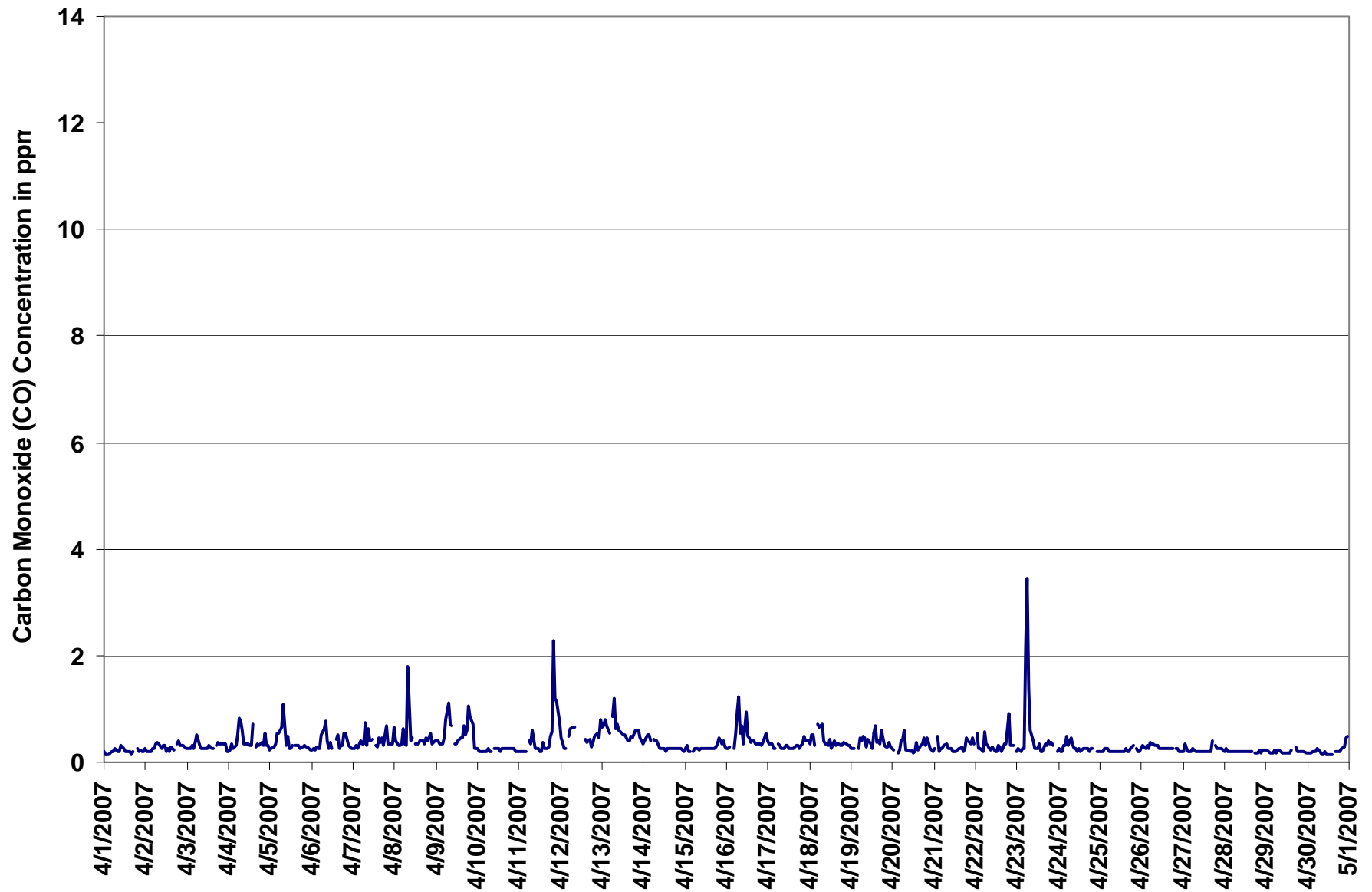
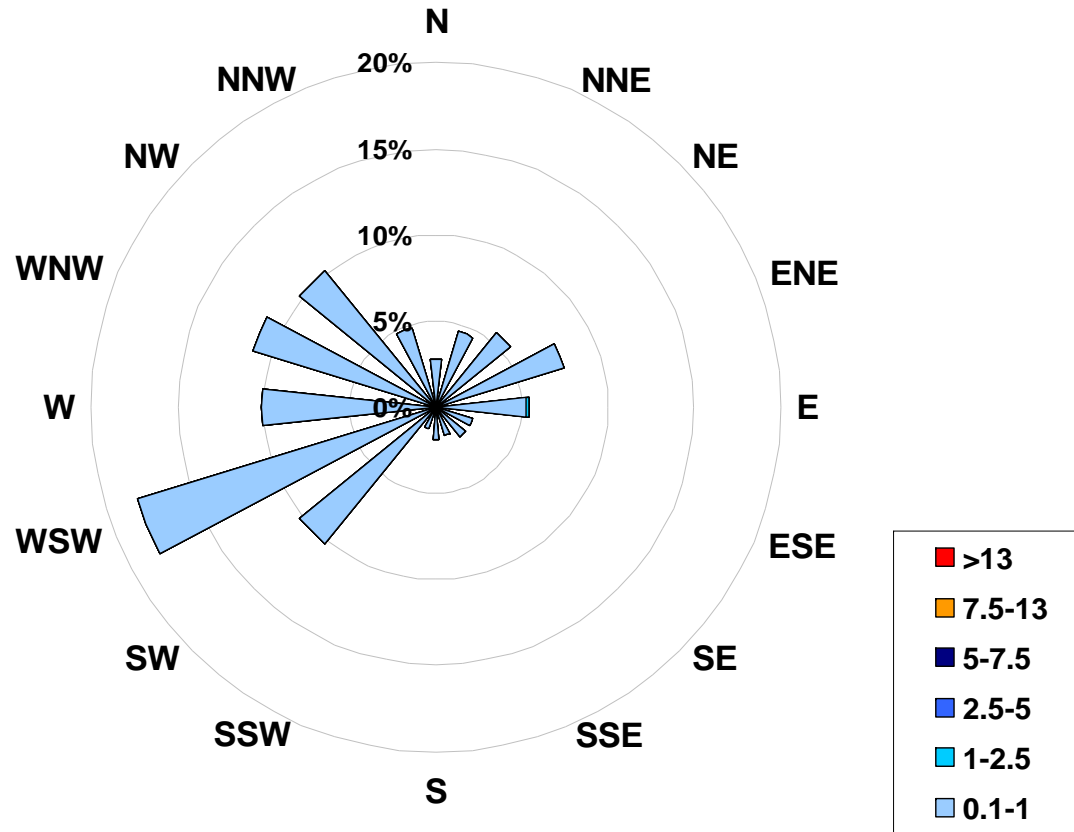


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Carbon Monoxide (in ppm) Located
at the Henry Pirker Site for April 2007**



Calms:	0%
---------------	-----------

Frequency Distribution of CO in ppm			Frequency (hrs)
Range			
0.1	<	1	683
1	to	2.5	1
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			684

PASZA - Henry Pirker Carbon Monoxide Eight Hour Average Summary

Station: Henry Pirker
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

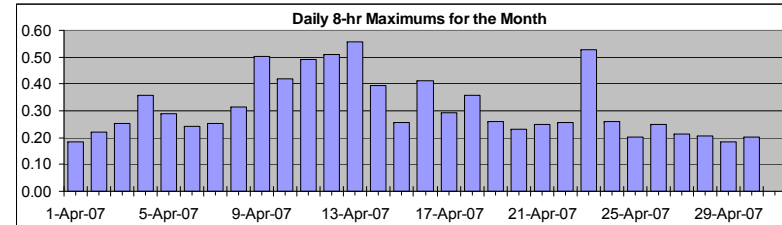
Carbon Monoxide (CO)

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 8-hr 5 ppm

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	0.6 ppm 13-Apr 9:00 10:00

Percentile	99	95	75	50	25	5	1
	0.5	0.4	0.3	0.2	0.2	0.2	0.2



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

Day	Mountain Standard Time																								Daily Maximum		
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18
2-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.22
3-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.25
4-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.36
5-Apr-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.29
6-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.24
7-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.25
8-Apr-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.32
9-Apr-07	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	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.50
10-Apr-07	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.42
11-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.4	0.5	0.49	
12-Apr-07	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	N	N	N	N	N	N	N	N	N	N	N	0.3	0.3	0.3	0.3	0.3	0.3	0.51
13-Apr-07	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.56	
14-Apr-07	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.39	
15-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.26	
16-Apr-07	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.41	
17-Apr-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.29	
18-Apr-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.36	
19-Apr-07	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	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.26	
20-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.23	
21-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.25	
22-Apr-07	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.26	
23-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.53	
24-Apr-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.26	
25-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	
26-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.25	
27-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	
28-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	
29-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.18	
30-Apr-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	

Hourly Max 0.50 0.51 0.50 0.50 0.47 0.46 0.49 0.53 0.55 0.56 0.54 0.53 0.52 0.51 0.49 0.43 0.41 0.38 0.38 0.45 0.50 0.50 0.48 0.49

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

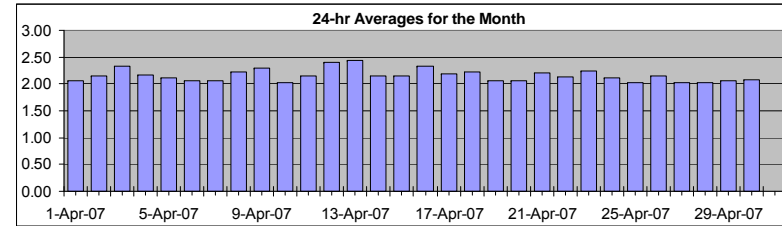
Total Hydrocarbons (THC)

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 1-hr na ppm 24-hr na ppm
 Summary

Maximum 1-hr Average:	3.8	ppm	17-Apr	0:00 1:00
Maximum 24-hr Value:	2.4	ppm	13-Apr	

AIC Time:	35 hrs	Operational Time:	682 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.9	2.6	2.2	2.1	2.0	2.0	1.9	2.2 ppm	2.1 ppm



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00			
1-Apr-07	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.1	2.1		2.06	2.15	
2-Apr-07	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	A	2.0	2.1	2.2	2.2	2.2	2.2		2.15	2.23	
3-Apr-07	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.6	2.4	2.4	2.2	2.2	2.1	2.1	2.1	A	2.1	2.1	2.1	2.2	2.2	2.3	2.3		2.34	2.83	
4-Apr-07	2.3	2.3	2.3	2.2	2.1	2.2	2.3	2.4	2.4	2.3	2.2	2.1	2.1	2.1	2.1	A	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.18	2.45	
5-Apr-07	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.11	2.22	
6-Apr-07	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	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.1		2.07	2.10	
7-Apr-07	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	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1		2.06	2.09	
8-Apr-07	2.2	2.2	2.2	2.3	2.4	2.3	2.2	2.1	2.1	2.2	2.2	A	2.1	2.1	2.2	2.3	2.2	2.2	2.2	2.3	2.4	2.3	2.2	2.1		2.22	2.36	
9-Apr-07	2.1	2.1	2.3	2.3	2.4	2.3	2.4	2.3	2.4	2.4	A	2.2	2.2	2.2	2.2	2.3	2.5	2.4	2.4	2.6	2.9	2.1	1.9	1.9		2.29	2.88	
10-Apr-07	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	2.0	C	C	C	2.0	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1		2.03	2.19	
11-Apr-07	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.4	2.6	2.8	2.9		2.16	2.86	
12-Apr-07	2.5	2.4	2.3	2.4	A	2.5	2.8	2.7	2.7	A	A	2.4	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.2	2.4		2.41	2.79	
13-Apr-07	2.5	2.8	2.9	2.8	2.8	A	2.6	2.6	2.5	2.5	A	A	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.4		2.45	2.91	
14-Apr-07	2.3	2.4	2.4	2.6	2.5	A	2.5	2.4	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.15	2.62	
15-Apr-07	2.1	2.0	2.0	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.2	2.4	2.9	3.0		2.15	3.05	
16-Apr-07	2.7	2.5	2.4	A	2.4	2.9	2.7	2.4	2.3	2.3	2.3	2.1	2.2	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	3.1	2.1	3.0		2.34	3.10	
17-Apr-07	3.8	2.5	2.2	2.2	2.2	A	2.2	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.4		2.19	3.78	
18-Apr-07	2.8	2.6	2.5	2.4	A	2.5	2.5	2.4	2.6	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1		2.23	2.85	
19-Apr-07	2.0	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1		2.07	2.14	
20-Apr-07	2.1	2.0	A	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1		2.05	2.12	
21-Apr-07	2.4	A	2.5	2.2	2.3	2.8	2.4	2.3	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3		2.20	2.82	
22-Apr-07	A	2.2	2.2	2.2	2.3	2.3	2.4	2.2	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		2.14	2.37	
23-Apr-07	2.2	2.2	2.3	2.4	2.4	2.5	3.2	2.7	2.4	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	A	2.1		2.23	3.17	
24-Apr-07	2.2	2.2	2.4	2.6	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0		2.12	2.62	
25-Apr-07	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0		2.02	2.06	
26-Apr-07	2.1	2.5	2.4	2.5	2.5	2.5	2.5	2.3	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0		2.16	2.50	
27-Apr-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	A	2.0	2.0	2.0	2.1	2.0		2.02	2.07
28-Apr-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.1	2.1		2.02	2.10	
29-Apr-07	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.0		2.06	2.15	
30-Apr-07	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.2	2.5		2.07	2.45	
Hourly Avg	2.24	2.21	2.23	2.23	2.22	2.26	2.29	2.25	2.21	2.14	2.09	2.08	2.09	2.07	2.06	2.07	2.07	2.07	2.08	2.10	2.14	2.17	2.16	2.22				
Hourly Max	3.78	2.81	2.91	2.78	2.78	2.88	3.17	2.83	2.73	2.50	2.36	2.45	2.53	2.37	2.30	2.28	2.47	2.35	2.37	2.57	2.88	3.10	2.86	3.05				

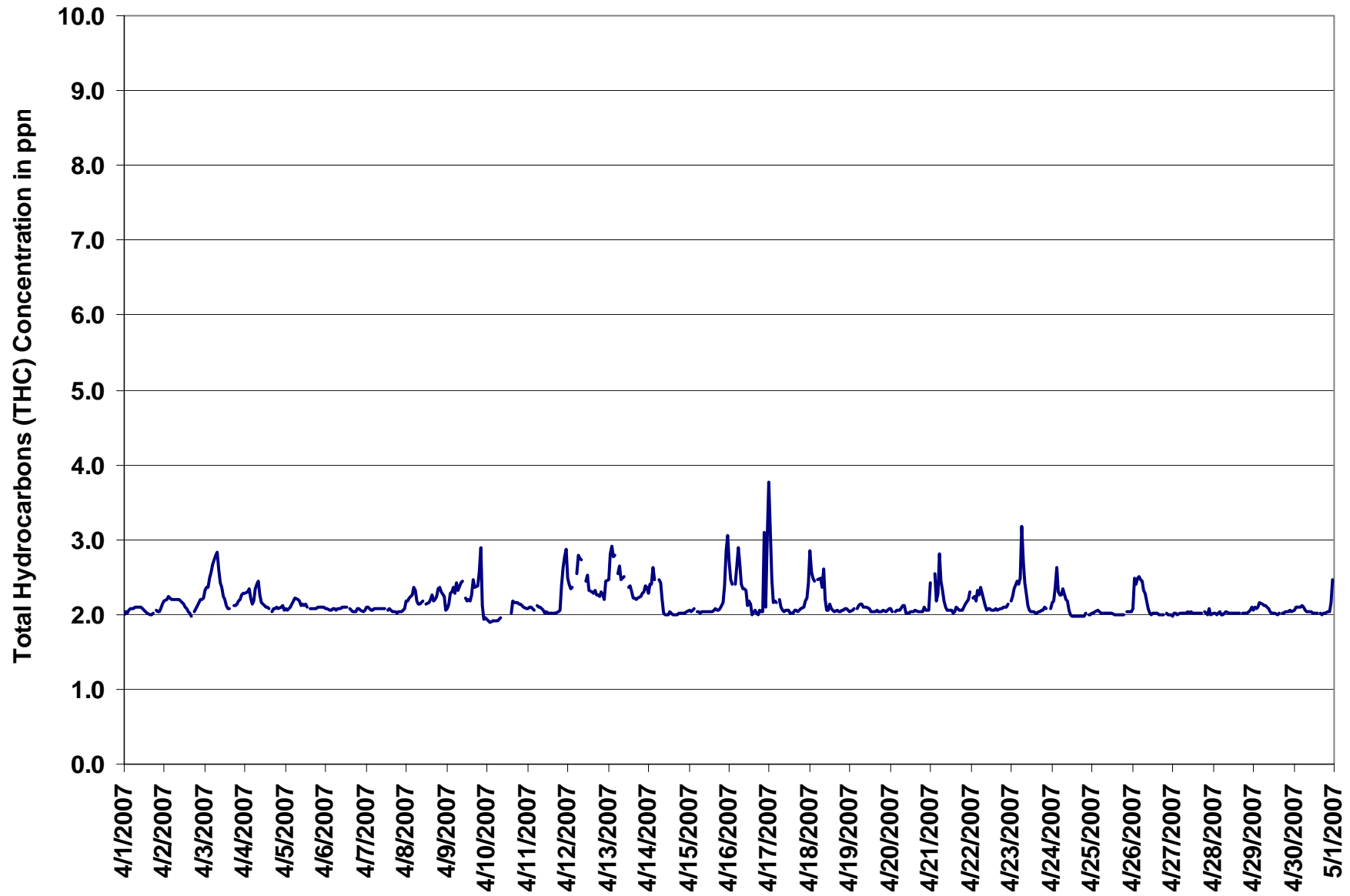


Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

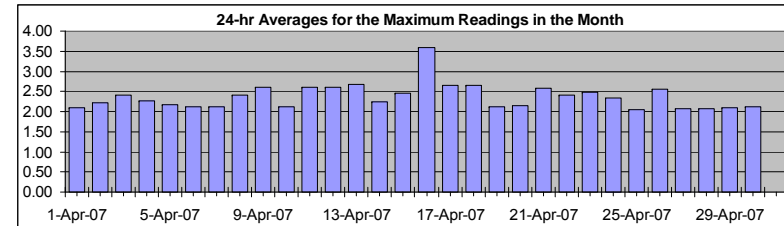
Total Hydrocarbons (THC)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	13.2	ppm	16-Apr	23:00 0:00
Maximum 24-hr Value:	3.6	ppm	16-Apr	

AIC Time:	35 hrs	Operational Time:	682 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.2	3.4	2.3	2.1	2.1	2.0	2.0	2.4 ppm	2.1 ppm



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Apr-07	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	A	2.1	2.1	2.1	2.1	2.3	2.2	2.09	2.25	
2-Apr-07	2.2	2.2	2.3	2.3	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.2	2.1	2.1	2.1	2.1	A	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.21	2.34	
3-Apr-07	2.4	2.4	2.4	2.6	2.6	2.7	2.9	2.9	2.7	2.5	2.4	2.3	2.3	2.2	2.1	2.1	A	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.41	2.90	
4-Apr-07	2.3	2.3	2.4	2.4	2.2	2.2	2.5	2.6	2.5	2.7	2.2	2.2	2.2	2.1	2.2	A	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.27	2.72	
5-Apr-07	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.5	2.2	2.3	2.2	2.2	2.3	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.18	2.55	
6-Apr-07	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.1	2.1	2.1	A	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.13	2.30	
7-Apr-07	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.2	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.12	2.34	
8-Apr-07	2.3	2.3	2.4	2.4	2.5	2.6	2.4	2.3	2.5	2.2	2.3	A	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.5	3.2	2.7	2.3	2.40	3.16	
9-Apr-07	2.4	2.3	2.5	3.2	3.0	2.5	3.3	2.7	2.5	2.7	A	2.3	2.2	2.2	2.2	2.4	3.4	2.4	2.5	2.7	3.8	2.6	2.0	2.0	2.60	3.77	
10-Apr-07	2.0	2.0	1.9	2.0	1.9	1.9	2.0	2.0	2.0	A	2.0	C	C	C	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.12	3.32	
11-Apr-07	2.1	2.1	2.1	2.2	2.1	A	2.3	2.1	2.2	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.2	5.8	4.8	2.9	6.4	2.60	6.41
12-Apr-07	2.6	2.6	2.4	2.4	A	3.2	3.0	2.9	2.9	A	A	2.9	2.7	2.4	2.4	2.3	2.4	2.3	2.3	2.4	3.1	2.4	2.4	2.7	2.60	3.23	
13-Apr-07	2.8	3.1	3.0	3.0	3.4	A	2.7	3.2	3.4	2.6	A	A	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.6	2.8	2.68	3.44	
14-Apr-07	2.4	2.5	2.6	3.1	2.6	A	2.7	2.6	2.4	2.1	2.0	2.0	2.0	2.2	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.24	3.07	
15-Apr-07	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	4.2	4.4	4.2	4.3	2.47	4.41	
16-Apr-07	4.1	4.0	3.7	A	4.2	5.1	5.4	2.5	2.7	2.8	2.5	2.2	2.2	2.2	2.1	2.3	2.1	2.1	2.1	2.1	2.1	8.3	2.2	13.2	3.58	13.16	
17-Apr-07	11.7	3.5	2.3	2.2	2.2	A	2.6	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.3	2.4	2.8	2.66	11.65	
18-Apr-07	7.5	3.8	2.7	2.6	A	2.6	2.6	2.4	4.3	2.4	2.1	2.1	2.5	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.1	2.64	7.46	
19-Apr-07	2.1	2.1	2.1	A	2.1	2.2	2.2	2.3	2.1	2.1	2.1	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.13	2.29	
20-Apr-07	2.1	2.1	A	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.1	2.1	2.1	2.1	2.14	3.15	
21-Apr-07	3.3	A	3.9	2.4	4.2	3.9	3.4	3.0	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.2	2.2	3.3	2.59	4.20	
22-Apr-07	A	2.3	3.2	2.2	4.1	2.8	4.0	2.5	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2	2.1	2.1	2.2	A	2.42	4.10	
23-Apr-07	2.2	2.3	2.6	3.6	3.3	2.7	4.9	3.4	2.5	2.4	2.2	2.1	2.1	2.1	2.0	2.0	2.2	2.1	2.1	2.1	2.1	2.1	A	2.1	2.49	4.87	
24-Apr-07	2.3	2.3	2.9	4.3	2.9	3.5	2.5	2.7	2.2	2.2	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.35	4.27	
25-Apr-07	2.1	2.0	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.1	2.1	2.1	2.05	2.19	
26-Apr-07	2.3	4.9	3.1	4.5	3.3	2.9	2.9	2.6	2.7	2.3	2.2	2.1	2.2	2.2	2.1	2.3	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.55	4.92	
27-Apr-07	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.2	2.1	A	2.2	2.2	2.2	2.3	2.2	2.08	2.33	
28-Apr-07	2.0	2.1	2.0	2.0	2.1	2.0	2.0	2.2	2.2	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.0	A	2.0	2.0	2.0	2.1	2.1	2.1	2.07	2.24	
29-Apr-07	2.1	2.1	2.1	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	A	2.2	2.0	2.1	2.0	2.1	2.1	2.1	2.10	2.32	
30-Apr-07	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.1	2.1	2.3	2.7	2.12	2.74	
Hourly Avg	2.82	2.48	2.46	2.52	2.60	2.56	2.65	2.42	2.41	2.24	2.14	2.14	2.15	2.14	2.16	2.14	2.16	2.12	2.13	2.17	2.46	2.58	2.30	2.87			
Hourly Max	11.65	4.92	3.91	4.46	4.20	5.13	5.35	3.36	4.26	2.84	2.48	2.89	2.66	2.53	3.32	2.38	3.44	2.41	2.52	2.73	5.78	8.31	4.19	13.16			

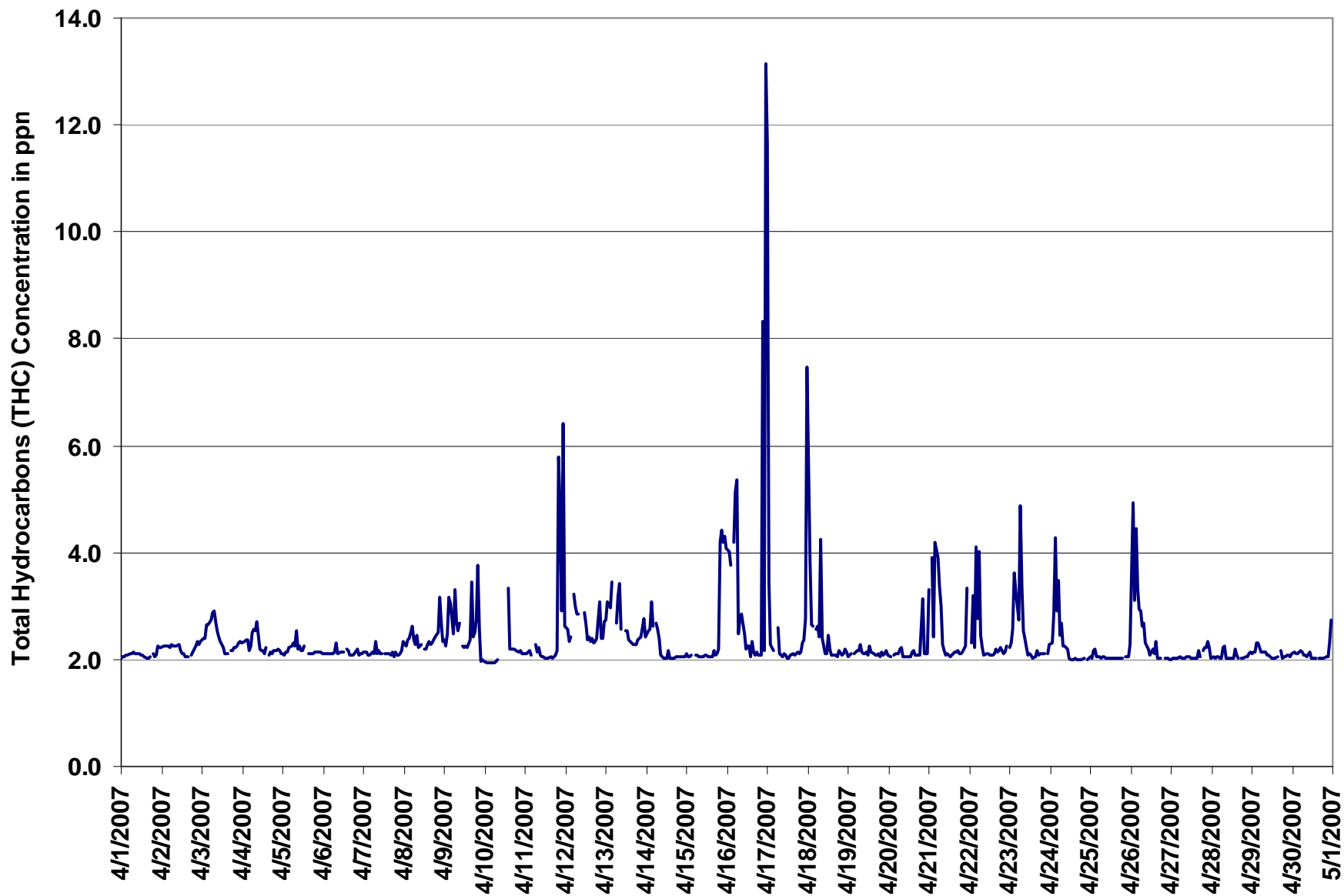
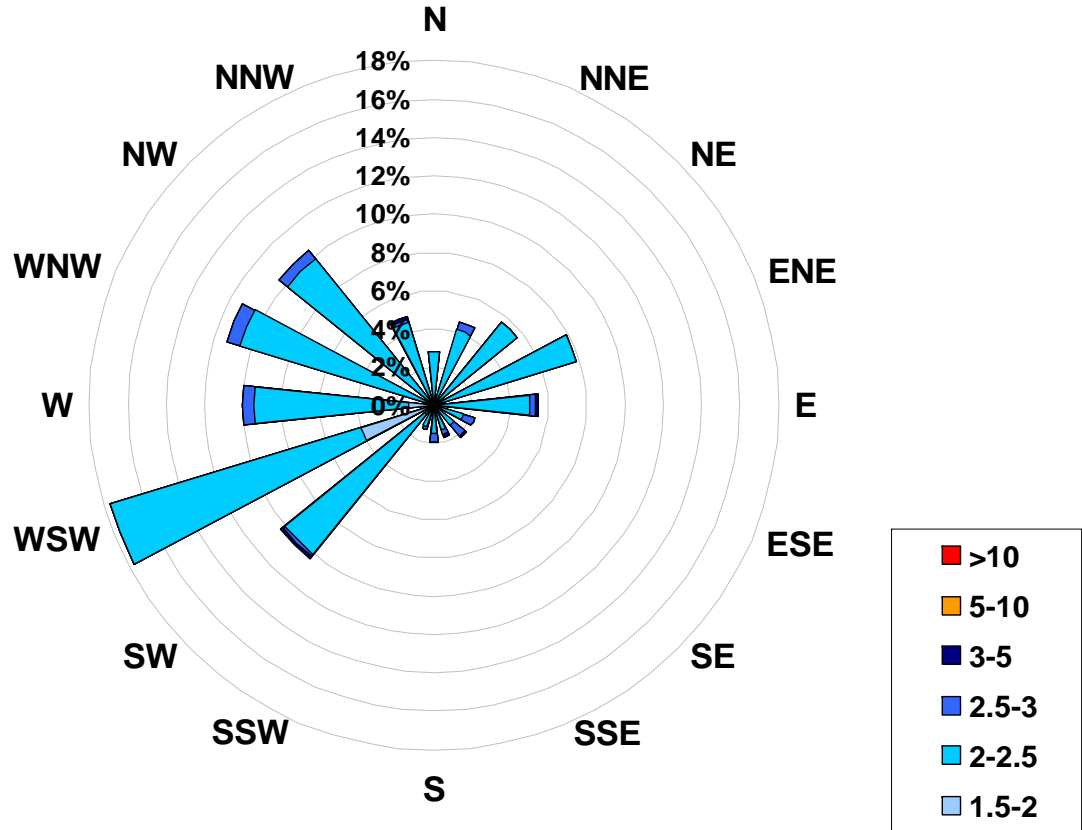


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Total Hydrocarbons (in ppm)
Located at the Henry Pirker Site for April 2007**



Calms: 0%

Frequency Distribution of THC in ppm			Frequency (hrs)
Range			
1.5	< 2		44
2	to 2.5		598
2.5	to 3		35
3	to 5		5
5	to 10		0
	> 10		0
Total Non-Zero Values			682

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

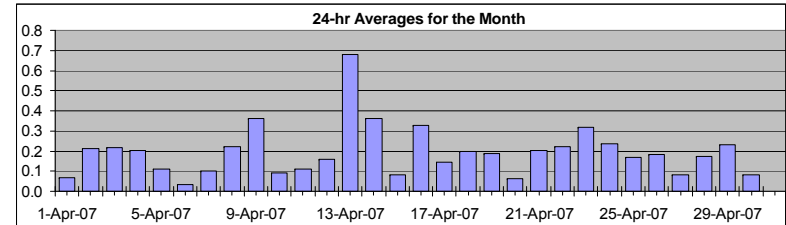
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
 Summary

Maximum 1-hr Average:	3.5	ppb	14-Apr	4:00 5:00
Maximum 24-hr Value:	0.7	ppb	13-Apr	



AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.3	0.5	0.2	0.2	0.1	0.0	0.0	0.2 ppb	0.2 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.1	0.2
2-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.2	0.3
3-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.2	0.3
4-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.2	0.4
5-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.2
6-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
7-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
8-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
9-Apr-07	0	0	0	0	0	0	0	0	0	0	1	A	0	0	0	0	0	0	0	0	1	1	0	0	0	0.4	0.6
10-Apr-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
11-Apr-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
12-Apr-07	0	0	0	0	A	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
13-Apr-07	0	0	0	0	0	A	0	3	2	1	2	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0.7	3.3
14-Apr-07	0	0	1	1	3	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	3.5
15-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
16-Apr-07	0	0	0	A	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	1.4
17-Apr-07	1	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	0.6
18-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
19-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
20-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
21-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
22-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.2	0.3
23-Apr-07	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.3	1.3
24-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.4
25-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.2	0.3
26-Apr-07	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.2	0.7
27-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.1	0.2
28-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	1	0	0	0.2	0.6
29-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	1	0	0.2	0.7
30-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.3
Hourly Avg	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Hourly Max	0.6	0.5	0.7	1.5	3.5	0.9	3.3	2.5	0.9	1.5	1.4	0.8	0.6	0.4	0.4	0.3	0.4	0.7	0.8	0.6	0.6	0.6	0.7	0.4			

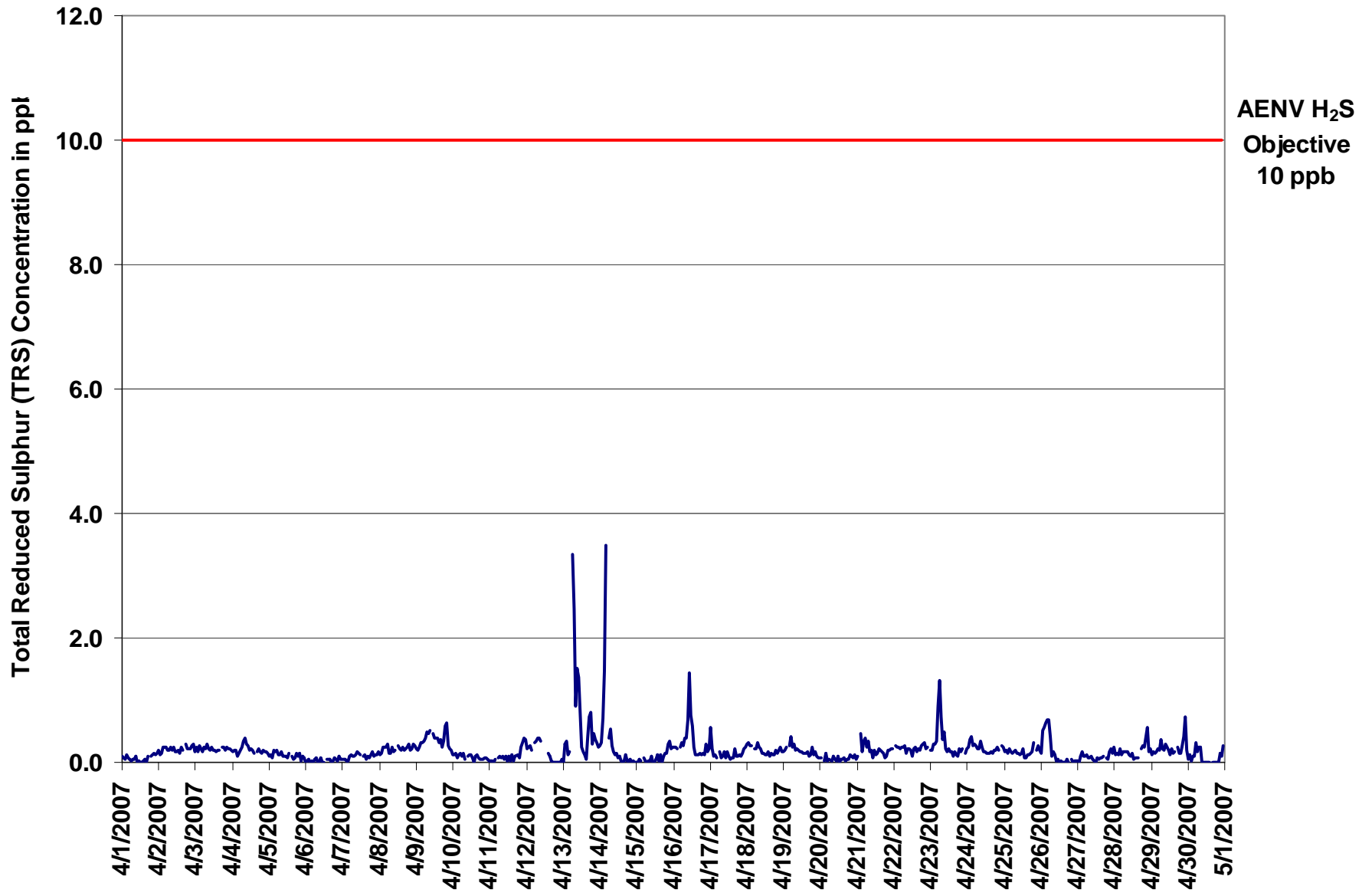


Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

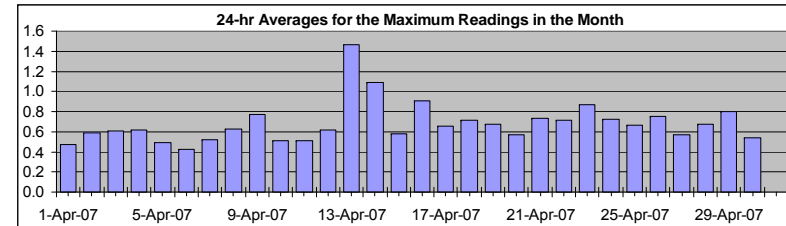
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	5.8	ppb	14-Apr	4:00 5:00
Maximum 24-hr Value:	1.5	ppb	13-Apr	

AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.4	1.1	0.7	0.6	0.5	0.4	0.3	0.7 ppb	0.6 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	24-hour Average	Daily Maximum
1-Apr-07	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	A	0	1	1	1	1	0.5	0.7
2-Apr-07	1	1	0	1	1	1	0	0	1	1	1	1	1	1	0	1	1	A	1	1	1	0	1	1	0.6	0.8
3-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.6	0.7
4-Apr-07	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	A	1	0	1	1	1	1	1	1	0.6	0.9
5-Apr-07	1	0	0	1	1	0	1	0	0	0	0	1	0	1	A	0	0	0	1	0	1	0	1	0	0.5	0.7
6-Apr-07	0	0	0	0	1	0	0	1	0	1	0	0	0	1	A	0	0	0	0	1	0	0	0	0	0.4	0.6
7-Apr-07	1	0	1	0	0	1	1	1	0	1	0	0	A	1	1	0	0	1	1	1	1	1	0	1	0.5	0.7
8-Apr-07	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
9-Apr-07	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
10-Apr-07	1	0	1	1	1	0	0	1	1	A	1	0	0	1	1	0	1	0	0	0	1	0	0	0	0.5	0.8
11-Apr-07	0	0	0	0	0	A	0	1	0	1	0	1	0	1	0	0	0	1	0	1	1	1	1	1	0.5	0.9
12-Apr-07	1	1	1	1	A	1	1	1	1	1	C	C	C	A	1	1	1	1	0	0	1	1	1	1	0.6	0.8
13-Apr-07	0	1	1	1	1	A	5	5	2	3	2	3	1	1	1	1	1	1	2	1	1	1	1	1	1.5	4.6
14-Apr-07	1	1	2	4	6	A	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	1.1	5.8
15-Apr-07	0	1	0	1	A	1	0	1	1	0	1	0	0	1	1	1	1	0	1	1	1	1	1	1	0.6	1.0
16-Apr-07	1	1	1	A	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0.9	2.4
17-Apr-07	1	1	1	1	1	A	1	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0.7	1.2
18-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0.7	1.2
19-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
20-Apr-07	1	1	A	1	1	1	0	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0.6	0.8
21-Apr-07	1	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.3
22-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.7	0.9
23-Apr-07	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	0	1	0	1	1	1	1	A	1	0.9	2.0
24-Apr-07	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	1	0.7	1.0
25-Apr-07	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	1	1	0.7	0.8
26-Apr-07	1	2	1	2	2	2	1	1	1	1	1	1	1	1	0	0	0	1	0	A	1	0	0	0	0.8	1.6
27-Apr-07	1	0	1	1	1	1	1	0	1	1	1	0	0	1	1	1	0	0	A	0	0	1	1	1	0.6	1.1
28-Apr-07	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	A	1	1	1	1	1	1	0.7	1.2
29-Apr-07	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	2	1	2	1	0.8	1.7
30-Apr-07	1	1	0	0	0	1	1	1	1	1	0	0	0	0	0	A	0	0	1	1	0	1	1	1	0.5	0.8
Hourly Avg	0.6	0.6	0.7	0.8	0.9	0.7	0.8	0.8	0.7	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.6		
Hourly Max	1.2	1.5	2.3	4.1	5.8	2.0	4.6	4.6	2.3	2.6	2.4	2.6	1.3	0.8	0.9	0.9	1.1	1.5	1.6	1.0	1.7	1.3	1.7	0.9		

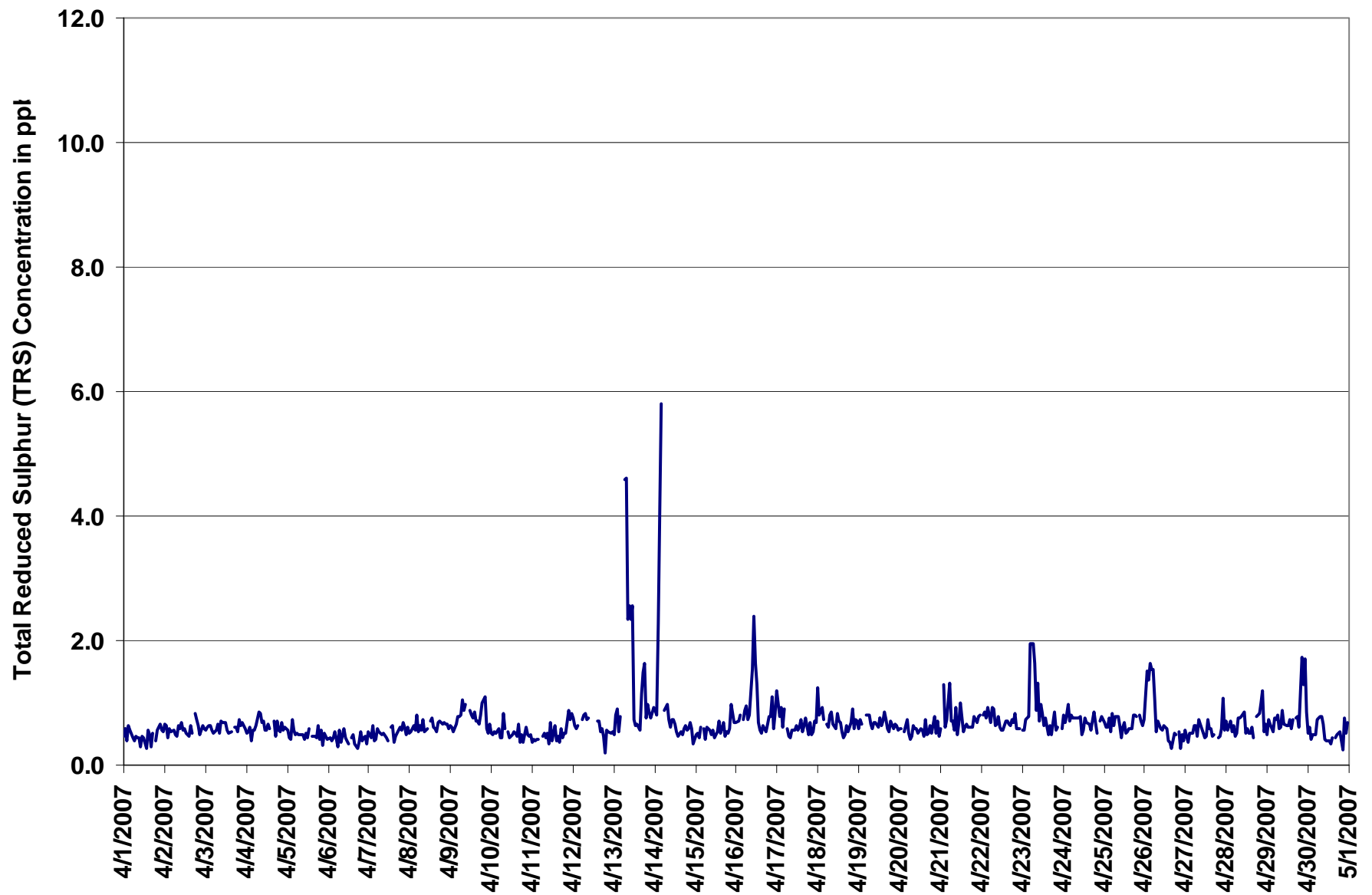
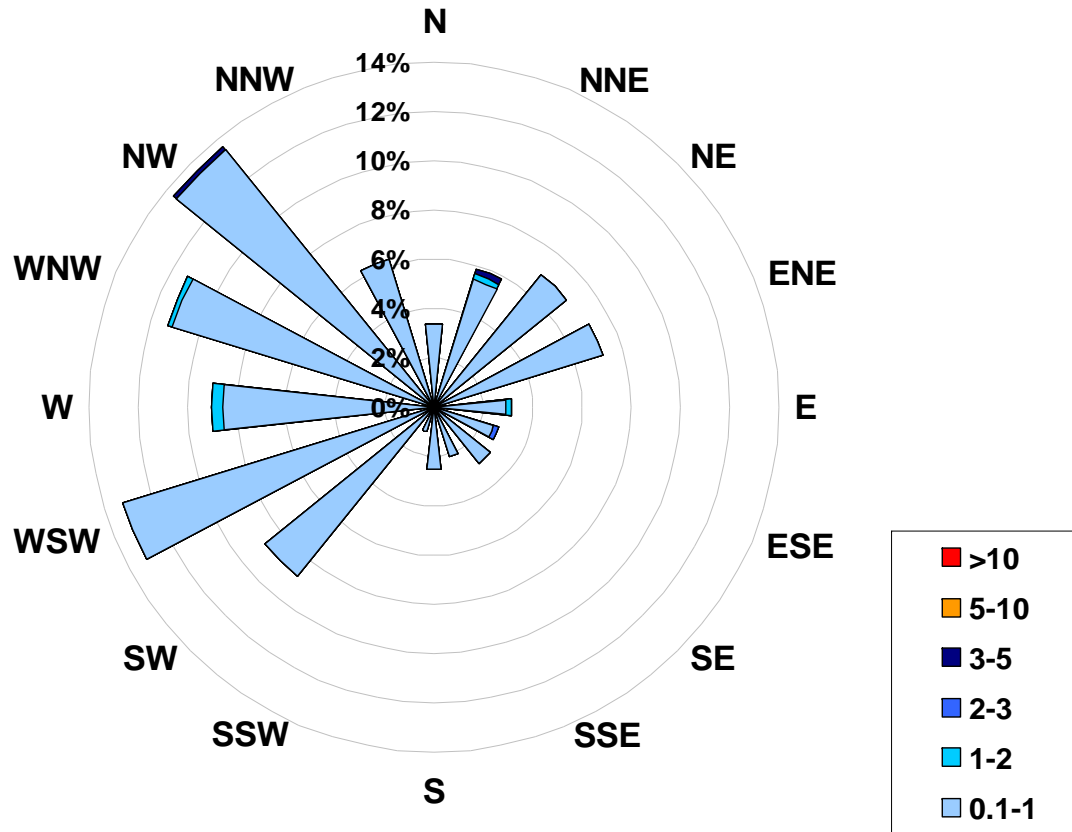


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Henry Pirker Site for April 2007**



Calms:	0%
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Frequency Distribution of TRS in ppb			
Range		Frequency (hrs)	
0.1	< 1	677	
1	to 2	5	
2	to 3	1	
3	to 5	2	
5	to 10	0	
	> 10	0	
Total Non-Zero Values		685	

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

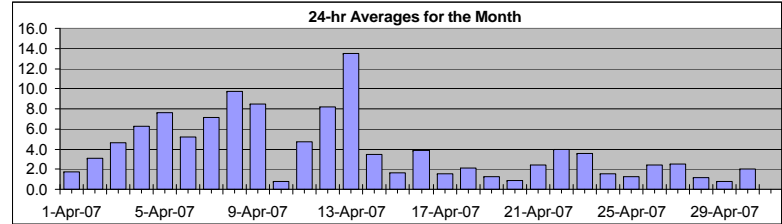
Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	25.4 µg/m ³ 11-Apr 22:00 23:00
Maximum 24-hr Value:	13.5 µg/m ³ 13-Apr

AIC Time:	0 hrs	Operational Time:	717 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.6%
Percentile	99	95	75
	18.8	12.8	5.6
	50	25	5
	2.6	1.1	0.0
	0.0	0.0	3.9
	Average / Median		3 µg/m ³
	Geomean		2.9 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	1	2	2	1	1	1	2	1	1	2	1	1	1	1	1	3	3	1	2	6	3	0	2	2	1.8	5.7	
2-Apr-07	1	2	2	1	2	3	3	3	3	4	3	4	2	2	2	3	2	4	4	4	5	5	3	6	3.1	5.6	
3-Apr-07	5	3	3	2	3	4	4	4	4	4	3	4	4	5	6	7	6	5	8	9	7	4	4	4.7	9.3		
4-Apr-07	4	4	4	5	5	5	7	10	7	9	9	8	7	6	7	6	7	5	5	7	6	5	6	5	6.3	9.9	
5-Apr-07	5	6	8	9	10	10	10	9	9	8	9	9	8	7	7	5	6	7	7	7	6	8	8	7	7.6	10.1	
6-Apr-07	6	5	5	5	5	5	5	8	6	6	7	7	7	6	6	6	6	5	5	3	4	3	3	3	5.2	7.6	
7-Apr-07	3	3	4	5	6	7	8	8	8	8	9	9	10	9	9	9	8	8	8	7	6	6	6	6	7.2	9.6	
8-Apr-07	8	6	7	6	7	7	4	5	7	7	7	10	13	13	18	17	16	16	13	15	13	9	8	2	9.8	18.0	
9-Apr-07	4	4	6	6	6	7	7	9	10	12	10	11	12	14	14	13	14	13	7	4	5	D	D	0	8.5	14.3	
10-Apr-07	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	3	2	1	2	2	2	1	0	0	0.7	2.5	
11-Apr-07	0	0	0	0	0	1	3	3	3	2	1	2	1	0	2	1	2	1	4	4	17	24	25	15	4.7	25.4	
12-Apr-07	8	4	2	4	6	9	8	10	18	16	8	8	4	5	9	12	18	12	10	6	7	5	2	5	8.2	18.5	
13-Apr-07	6	10	12	11	8	10	9	13	13	20	21	17	14	14	11	10	19	13	16	14	21	21	14	6	13.5	21.3	
14-Apr-07	9	9	8	8	7	3	5	6	8	0	0	0	0	0	3	3	2	4	3	2	2	2	0	1	3.5	9.2	
15-Apr-07	0	1	1	1	1	3	3	2	1	1	1	1	1	1	1	3	3	0	2	3	3	2	3	2	1.7	3.4	
16-Apr-07	0	0	1	2	1	3	12	20	17	X	0	0	7	6	0	3	2	3	3	2	2	2	2	2	3.9	20.1	
17-Apr-07	6	0	2	0	0	0	1	0	1	0	1	1	0	0	1	2	3	1	2	3	3	4	3	4	1.6	5.5	
18-Apr-07	2	4	5	1	2	2	3	3	3	2	1	2	1	1	0	1	2	2	3	3	3	3	2	2	2.1	4.8	
19-Apr-07	1	0	0	1	0	0	2	3	2	2	3	2	2	2	2	2	1	2	1	1	0	0	0	0	1.2	3.4	
20-Apr-07	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3	3	2	2	2	2	2	1	1	0.8	2.7	
21-Apr-07	1	1	2	3	3	3	3	4	4	1	1	1	1	0	1	4	3	2	2	2	3	5	4	3	2.4	4.7	
22-Apr-07	3	3	3	2	1	3	3	4	4	4	3	5	5	5	5	4	4	5	6	5	4	5	5	5	3.9	5.8	
23-Apr-07	3	4	4	3	4	6	9	12	9	6	3	1	1	1	0	0	2	1	3	3	4	2	1	1	3.5	11.5	
24-Apr-07	3	1	2	3	4	3	5	4	2	1	2	0	0	0	1	0	0	0	0	1	1	2	0	2	1.5	4.6	
25-Apr-07	1	1	1	0	1	1	2	3	2	1	0	1	0	0	0	1	1	1	2	3	4	2	2	2	1.3	3.6	
26-Apr-07	1	3	3	4	3	3	3	4	6	4	2	1	1	2	2	2	2	2	2	1	2	1	2	3	2.4	6.2	
27-Apr-07	1	1	1	0	1	1	1	3	1	3	1	3	1	1	2	3	4	4	8	7	2	5	4	4	2.5	8.0	
28-Apr-07	3	1	2	1	1	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1.1	2.7	
29-Apr-07	1	1	0	0	1	0	0	1	0	0	0	0	0	0	1	0	1	1	2	2	2	2	1	1	0.7	1.9	
30-Apr-07	1	1	1	1	1	1	2	2	1	1	0	0	0	0	1	1	1	2	1	2	3	3	4	6	11	2.0	11.3
Hourly Avg	2.9	2.7	3.0	2.9	3.1	3.4	4.1	5.1	5.1	4.3	3.7	3.7	3.5	3.5	3.7	4.1	4.8	4.1	4.2	4.3	5.1	4.7	4.2	3.6			
Hourly Max	9.2	10.2	12.3	10.8	10.1	10.1	11.7	20.1	17.8	20.3	21.3	17.0	14.1	14.2	18.0	17.0	18.9	16.3	16.0	14.7	21.1	23.6	25.4	14.9			

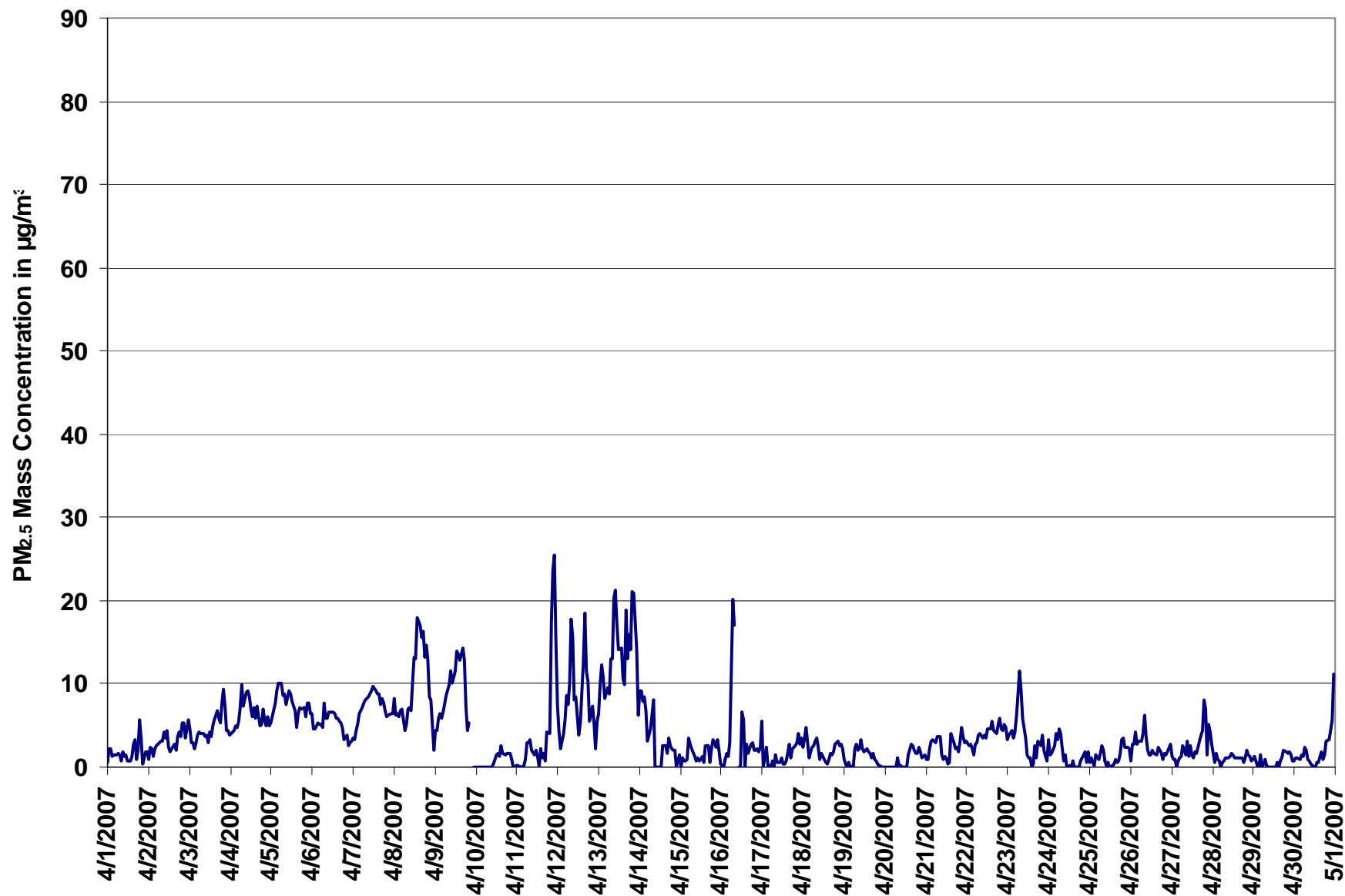


Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

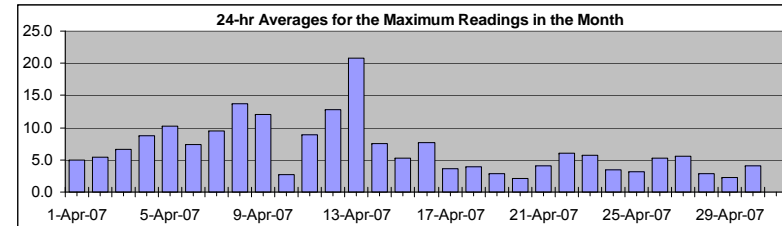
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	34.9	µg/m ³	11-Apr	22:00 23:00
Maximum 24-hr Value:	20.7	µg/m ³	13-Apr	



AIC Time:	0 hrs	Operational Time:	717 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	99.6%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	28.6	18.2	8.6	4.9	3.1	1.2	0.3	6.6	5.6 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	2	4	4	3	3	3	3	3	4	4	3	6	4	4	5	6	7	9	10	12	6	3	5	4	5.0	12.4
2-Apr-07	2	4	4	3	4	4	4	4	5	7	6	7	7	5	4	5	7	6	8	6	7	7	5	7	5.4	7.6
3-Apr-07	7	5	4	4	5	5	6	6	6	5	6	5	6	7	7	8	9	8	7	10	12	9	8	6	6.6	11.8
4-Apr-07	5	5	6	6	7	7	9	12	10	13	12	10	11	10	12	10	12	8	7	9	7	7	8	6	8.8	12.9
5-Apr-07	7	7	9	11	11	12	12	11	10	9	11	11	11	11	14	8	9	10	10	10	10	10	10	10	10.2	14.1
6-Apr-07	10	6	6	8	7	7	6	11	9	7	8	9	9	10	8	8	7	8	7	6	6	4	5	5	7.4	11.1
7-Apr-07	6	4	6	7	8	9	9	10	10	11	13	13	12	10	12	11	10	11	9	10	8	8	8	8	9.4	13.2
8-Apr-07	11	9	9	10	10	11	7	7	9	13	14	13	20	17	23	22	23	20	17	19	16	12	12	4	13.6	22.8
9-Apr-07	7	7	8	9	10	12	11	13	13	13	13	14	13	24	18	17	16	15	11	9	11	D	D	0	12.0	23.7
10-Apr-07	0	0	0	0	1	1	1	2	2	2	2	4	5	4	4	7	5	3	5	4	4	5	2	2	2.7	7.2
11-Apr-07	2	2	1	1	3	2	6	5	7	6	5	5	3	4	7	6	5	5	12	11	25	29	35	25	8.9	34.9
12-Apr-07	10	7	4	7	8	11	10	13	23	24	20	15	8	9	12	19	29	21	14	10	11	8	4	9	12.8	28.6
13-Apr-07	10	13	14	13	12	17	12	18	21	24	25	26	19	22	20	25	30	17	29	34	30	28	19	18	20.7	33.8
14-Apr-07	18	13	13	11	10	5	9	10	17	4	3	3	8	5	6	7	9	6	5	6	5	5	2	3	7.5	17.6
15-Apr-07	2	4	3	3	3	6	5	4	4	4	5	4	6	6	4	10	6	4	8	7	10	10	7	4	5.3	10.2
16-Apr-07	3	2	6	4	4	9	20	27	29	X	0	3	13	12	1	5	6	5	6	5	5	5	4	4	7.7	29.5
17-Apr-07	9	2	8	2	2	1	2	1	5	2	3	3	2	2	2	4	5	2	4	4	4	7	5	8	3.6	8.6
18-Apr-07	4	5	8	2	4	4	4	5	6	6	3	4	4	2	1	4	3	3	3	5	4	4	4	3	4.0	8.1
19-Apr-07	3	2	2	2	1	2	4	5	3	4	5	4	4	4	4	4	2	3	2	2	2	1	1	1	2.8	5.2
20-Apr-07	1	0	0	0	1	0	2	3	2	1	1	0	1	3	4	4	4	4	3	3	4	3	3	3	2.0	4.3
21-Apr-07	3	3	3	5	5	5	4	6	5	3	2	3	2	3	2	6	4	4	4	4	4	5	6	5	4.1	6.2
22-Apr-07	6	4	4	3	3	5	5	6	5	5	6	5	6	6	6	8	6	6	12	12	6	6	7	7	6.0	11.8
23-Apr-07	4	5	6	5	6	8	13	15	12	9	6	4	2	3	2	4	5	3	5	5	6	4	3	2	5.7	14.8
24-Apr-07	5	3	3	7	7	5	6	7	6	4	3	2	2	2	2	0	1	1	3	4	5	2	3	3	3.5	7.2
25-Apr-07	3	3	3	4	4	2	3	4	3	2	2	2	1	1	2	3	2	2	4	5	6	5	4	4	3.1	5.9
26-Apr-07	2	5	4	16	10	5	6	7	9	8	4	3	3	4	3	4	4	4	3	3	3	3	4	8	5.3	16.2
27-Apr-07	10	3	3	2	2	3	3	6	3	12	5	5	4	3	5	3	5	6	9	12	13	3	7	8	5.6	12.6
28-Apr-07	5	4	3	3	2	1	3	2	3	3	3	3	4	3	3	2	3	2	2	2	4	3	3	3	2.9	5.2
29-Apr-07	2	3	1	1	4	1	2	3	2	1	1	1	1	1	3	2	3	4	4	4	4	4	2	2	2.2	4.0
30-Apr-07	2	3	3	3	2	3	4	4	3	3	2	1	2	2	3	3	4	3	3	5	7	6	9	19	4.1	18.5
Hourly Avg	5.4	4.6	5.0	5.2	5.3	5.5	6.3	7.6	8.2	7.2	6.4	6.3	6.4	6.6	6.7	7.6	8.0	6.9	7.4	7.9	8.2	7.2	6.7	6.3		
Hourly Max	17.6	13.1	14.5	16.2	11.6	17.3	19.7	26.6	29.5	24.4	24.8	26.0	20.1	23.7	22.8	25.0	29.8	21.4	29.3	33.8	30.3	28.7	34.9	24.7		

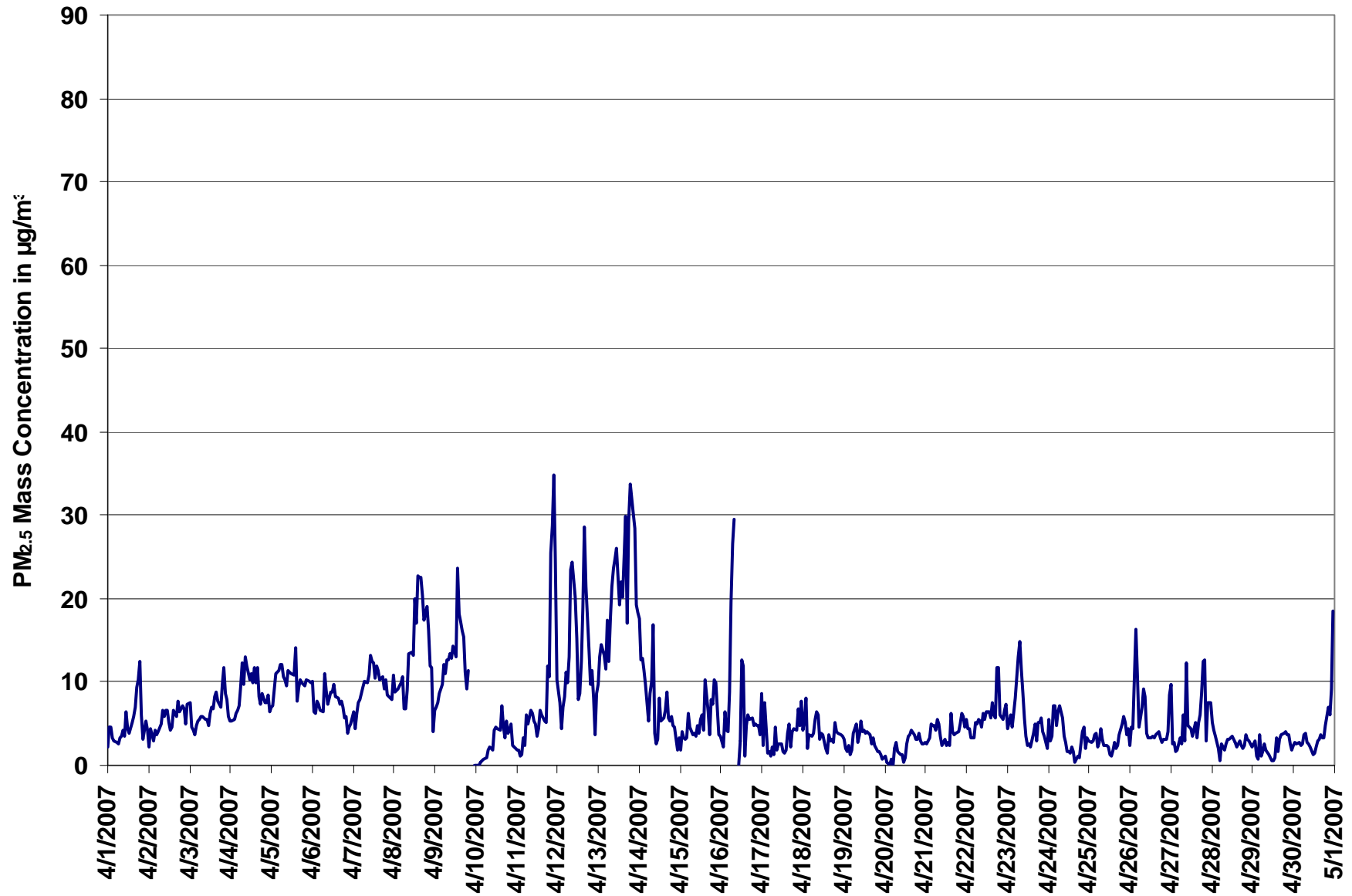
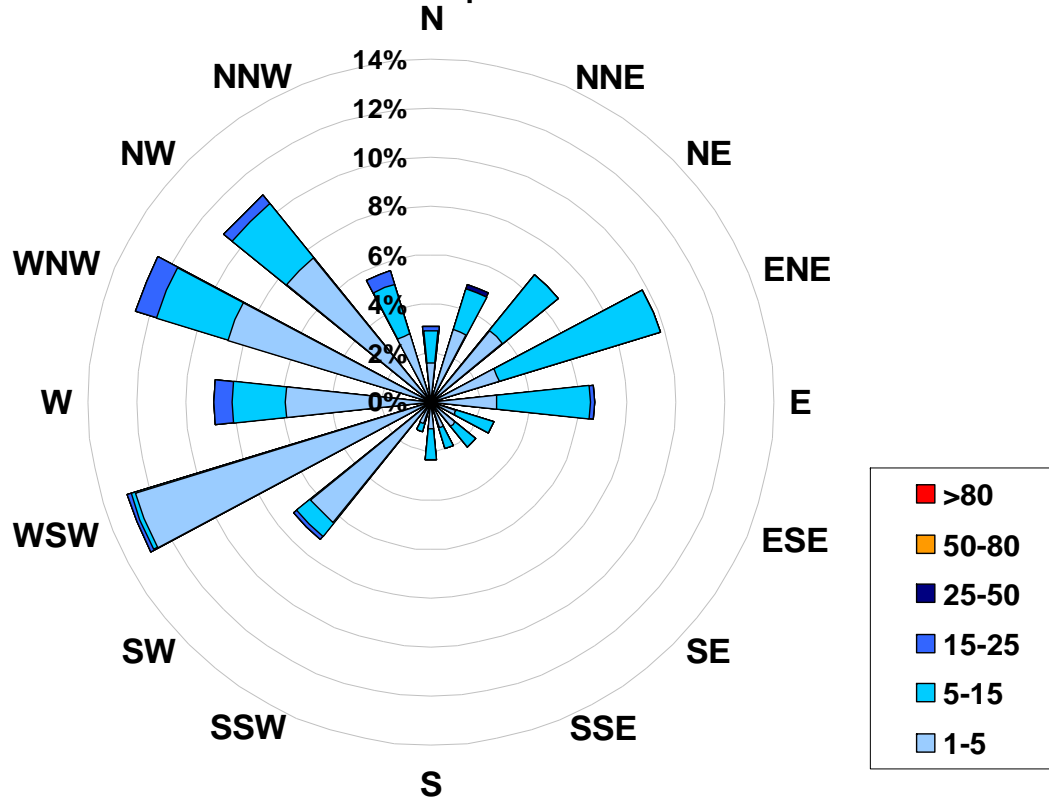


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Henry Pirker Site for April 2007



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			Frequency (hrs)
Range			
1.0	< 5		515
5	to 15		183
15	to 25		18
25	to 50		1
50	to 80		0
	> 80		0
Total Non-Zero Values			717

PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

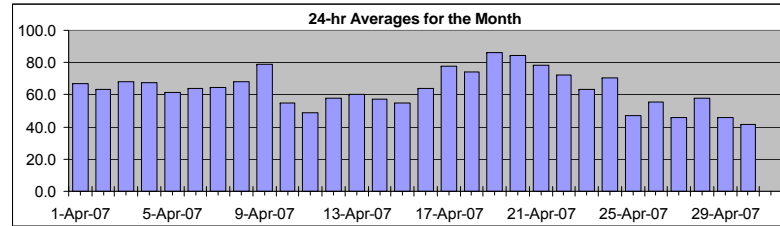
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	94.7	%	17-Apr	3:00 4:00
Maximum 24-hr Value:	86.4	%	19-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	93.7	90.7	75.3
	64.4	52.0	33.2
	5	1	Average
	63.3	64.4	Median

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
1-Apr-07	64	65	70	71	72	73	74	74	71	68	64	64	61	55	56	59	65	60	58	71	78	72	71	74	67.0	77.5
2-Apr-07	72	73	75	76	76	75	75	74	72	69	63	61	57	53	50	46	42	46	54	59	62	64	63	66	63.4	76.1
3-Apr-07	69	72	74	76	76	75	75	74	68	68	66	62	58	53	53	61	59	62	64	67	70	74	78	81	68.0	80.6
4-Apr-07	82	82	82	83	83	83	83	81	77	66	62	60	56	54	55	57	55	54	56	58	59	61	64	64	67.4	83.3
5-Apr-07	65	68	71	73	76	79	80	77	72	67	63	58	55	49	47	43	45	49	50	52	56	59	61	65	61.6	79.7
6-Apr-07	67	69	70	72	74	75	74	71	67	63	58	56	55	54	55	55	55	56	59	62	64	67	69	70	64.0	74.7
7-Apr-07	72	73	73	74	75	76	77	75	73	67	61	57	54	52	51	51	52	54	57	61	63	66	68	74	64.7	76.6
8-Apr-07	83	85	86	85	85	85	80	73	70	66	57	57	49	56	50	47	49	67	65	68	72	68	69	67	68.3	86.1
9-Apr-07	66	71	76	78	81	82	84	79	78	73	69	67	63	67	83	88	91	91	93	94	94	85	71	73	79.0	94.4
10-Apr-07	70	68	67	67	65	65	64	63	61	57	54	50	46	45	42	45	43	44	44	47	51	53	51	53	54.7	70.1
11-Apr-07	53	57	59	60	58	62	62	56	53	47	43	39	37	33	36	35	33	30	32	36	48	61	70	76	48.9	75.8
12-Apr-07	77	81	83	83	83	82	76	61	59	49	46	49	48	40	42	41	45	39	40	42	48	52	55	62	57.6	82.9
13-Apr-07	65	68	73	73	74	76	79	73	62	62	57	51	48	43	42	38	51	51	49	47	61	70	69	60	60.0	79.0
14-Apr-07	63	74	76	77	80	82	78	69	70	66	56	49	42	37	35	36	38	41	44	49	51	54	56	58	57.5	82.3
15-Apr-07	63	61	59	66	66	70	70	66	62	56	51	48	45	45	43	45	50	50	48	52	49	51	51	48	54.7	69.7
16-Apr-07	48	47	48	50	47	50	54	62	59	56	56	47	54	50	51	62	70	79	85	90	92	92	93	93	64.1	93.2
17-Apr-07	94	94	94	95	94	94	87	78	74	71	67	62	60	58	57	59	67	67	71	77	82	87	88	88	77.7	94.7
18-Apr-07	89	90	91	91	92	92	93	91	85	74	69	66	63	62	58	51	54	57	60	62	65	68	72	79	73.9	92.5
19-Apr-07	87	89	91	92	92	80	76	74	73	81	87	86	83	86	84	85	86	87	89	91	92	93	94	94	86.4	93.7
20-Apr-07	94	94	94	93	92	90	88	87	87	83	82	80	79	77	75	76	77	78	77	80	84	84	85	86	84.3	93.9
21-Apr-07	88	89	90	89	89	91	91	89	82	80	75	70	69	61	61	66	63	68	69	74	79	82	84	85	78.4	91.2
22-Apr-07	86	88	88	87	86	86	82	77	70	67	67	65	65	65	64	61	58	57	58	65	68	71	74	77	72.3	88.0
23-Apr-07	82	85	87	89	91	92	93	84	75	67	59	53	47	44	37	36	39	41	42	47	52	52	55	60	63.0	92.8
24-Apr-07	69	74	77	77	74	73	74	77	79	79	72	68	71	67	68	71	65	65	64	68	70	63	60	62	70.3	79.5
25-Apr-07	62	58	58	59	63	63	59	56	53	47	40	36	33	31	29	30	30	31	34	42	50	48	56	62	47.1	62.9
26-Apr-07	69	71	68	65	69	69	66	64	63	55	43	40	38	38	39	40	42	45	48	50	54	58	62	68	55.1	70.9
27-Apr-07	72	76	80	65	65	64	56	44	40	37	34	29	25	22	19	18	18	18	19	29	55	58	71	83	45.8	83.0
28-Apr-07	90	89	90	91	85	72	62	60	56	54	52	48	44	40	38	36	35	37	38	42	49	55	61	60	57.7	90.6
29-Apr-07	65	67	69	67	68	70	69	68	60	51	37	28	27	25	24	21	21	20	28	33	38	44	49	53	45.9	70.0
30-Apr-07	57	54	56	58	60	62	55	50	44	36	32	28	25	24	25	25	27	27	27	33	37	44	49	59	41.3	61.7
Hourly Avg	72.7	74.4	75.9	76.1	76.4	76.3	74.5	70.9	67.2	62.7	58.0	54.4	51.8	49.5	49.0	49.5	50.8	52.3	54.1	58.4	63.1	65.2	67.2	70.0		
Hourly Max	93.9	93.9	94.3	94.7	94.5	93.7	92.8	90.7	87.3	83.1	87.3	85.9	83.3	85.8	84.4	87.9	90.6	91.0	92.9	93.7	94.4	93.3	93.5	93.7		

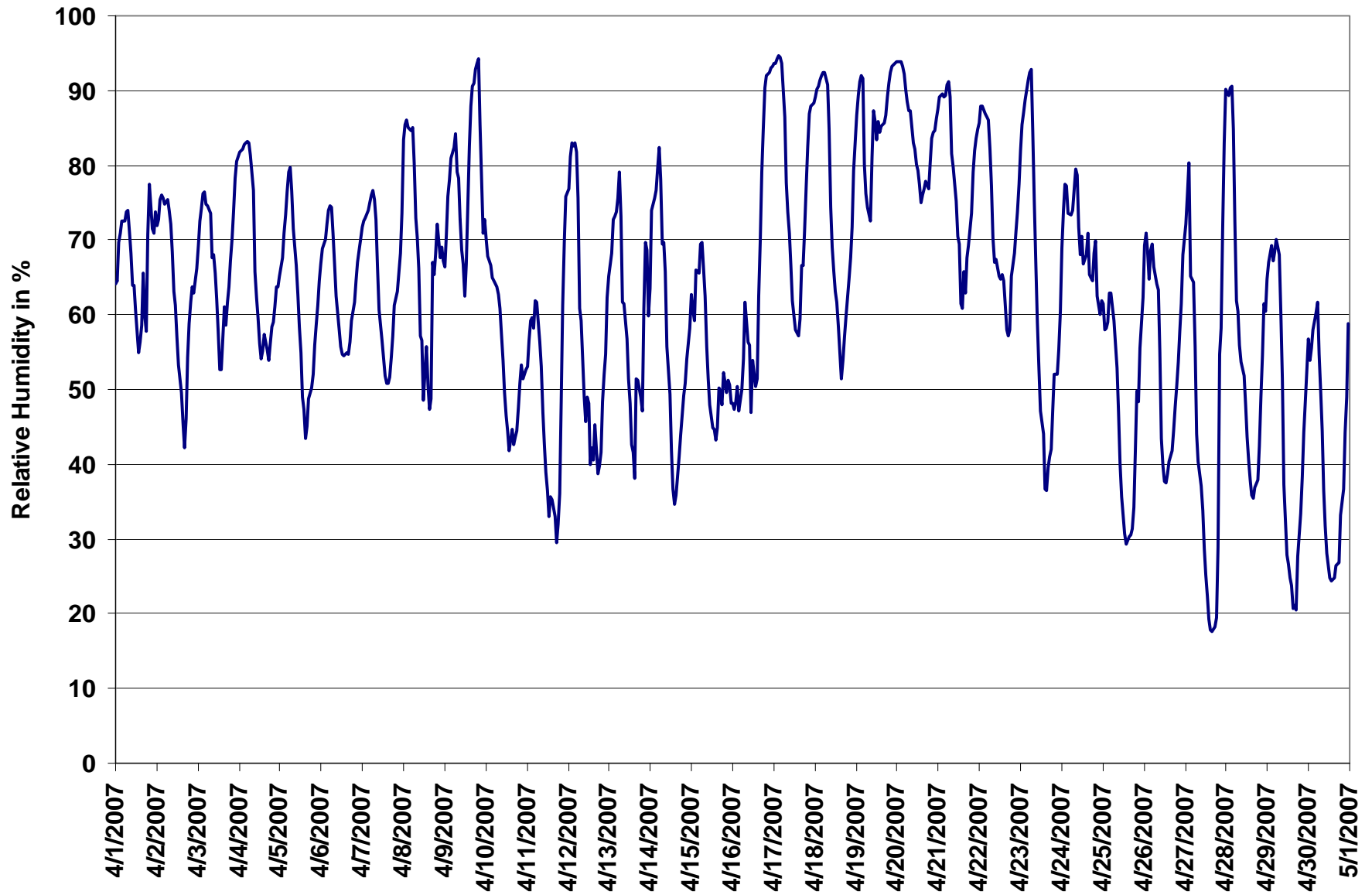


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

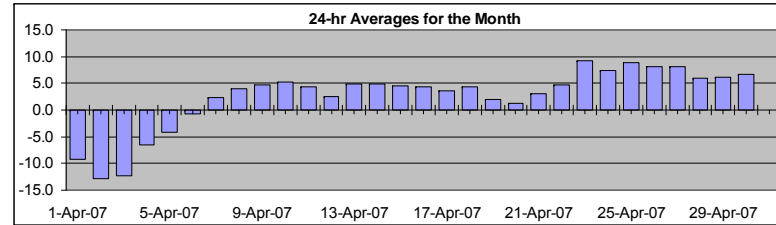
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	16.1	°C	23-Apr	14:00 15:00
Maximum 24-hr Value:	9.3	°C	23-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	14.1	11.6	7.0	3.6	0.1	-11.2	-16.0	2.5 °C	3.6 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	-10	-10	-10	-10	-10	-10	-11	-10	-10	-10	-9	-8	-7	-7	-7	-7	-8	-7	-7	-9	-9	-10	-12	-13	-9.2	-6.6	
2-Apr-07	-14	-15	-15	-15	-15	-16	-16	-16	-16	-14	-12	-11	-10	-9	-9	-8	-9	-10	-11	-13	-13	-13	-13	-14	-12.8	-8.1	
3-Apr-07	-15	-16	-16	-17	-18	-18	-18	-17	-14	-13	-11	-9	-8	-7	-6	-8	-7	-9	-9	-11	-11	-12	-12	-12	-12.3	-5.6	
4-Apr-07	-12	-12	-11	-11	-11	-11	-11	-10	-10	-6	-5	-4	-2	-2	-1	-1	-1	-2	-3	-4	-5	-6	-8	-7	-6.5	-0.9	
5-Apr-07	-7	-8	-9	-9	-10	-10	-10	-10	-8	-6	-4	-2	-1	1	2	2	2	1	0	-1	-2	-3	-3	-4	-4.2	1.9	
6-Apr-07	-4	-5	-5	-5	-6	-6	-5	-4	-3	-1	1	2	3	3	3	3	4	4	3	2	1	0	-1	-1	-0.8	3.6	
7-Apr-07	-2	-2	-2	-2	-2	-2	-2	-1	0	1	3	5	6	7	7	7	7	6	6	5	4	3	2	1	2.3	7.4	
8-Apr-07	-2	-2	-3	-2	-2	-2	0	1	2	4	7	8	11	8	10	12	11	5	5	5	4	5	5	5	3.9	11.6	
9-Apr-07	5	4	3	3	2	2	2	3	4	5	6	7	8	7	5	4	5	6	6	6	4	5	5	5	4.7	7.7	
10-Apr-07	5	5	4	4	4	4	4	4	4	5	5	6	7	8	8	7	7	7	6	5	4	4	4	3	5.2	8.2	
11-Apr-07	3	1	0	0	0	0	0	2	4	6	7	8	8	9	9	9	10	9	9	7	4	1	0	-2	4.3	9.6	
12-Apr-07	-3	-4	-6	-6	-7	-7	-6	-1	0	5	7	6	6	8	9	10	9	9	9	7	5	4	3	1	2.5	9.9	
13-Apr-07	0	0	-1	-1	-1	-1	-2	1	4	5	7	9	10	12	11	12	9	9	9	8	5	4	3	5	4.8	11.8	
14-Apr-07	4	2	2	2	1	0	1	3	5	5	6	7	7	9	9	9	8	8	7	6	5	4	3	2	4.8	9.0	
15-Apr-07	1	1	2	0	0	1	2	3	4	6	7	7	8	8	8	8	7	7	7	5	5	4	4	4	4.5	8.4	
16-Apr-07	4	4	4	3	4	3	3	2	3	5	6	7	6	8	10	7	6	5	4	3	2	2	2	1	4.4	9.7	
17-Apr-07	1	0	0	0	0	0	2	3	4	5	5	7	8	9	9	8	7	6	5	4	2	1	1	1	3.6	8.6	
18-Apr-07	1	0	0	0	-1	-1	0	1	3	6	7	8	8	8	8	9	9	7	7	6	5	5	4	4	4.3	9.1	
19-Apr-07	3	2	2	1	1	2	2	3	3	2	2	3	3	3	3	3	3	2	2	1	0	0	0	0	1.9	3.2	
20-Apr-07	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	3	3	3	3	2	1	1	1	1	1.2	2.8	
21-Apr-07	1	0	0	0	1	0	0	1	3	3	5	6	6	8	7	7	7	6	5	4	2	1	1	1	3.1	7.6	
22-Apr-07	1	1	1	1	1	1	2	3	5	5	5	6	7	7	7	8	9	9	9	7	6	5	5	4	4.8	9.3	
23-Apr-07	4	3	3	3	2	1	2	6	8	10	12	13	14	15	16	16	16	15	14	12	10	10	9	8	9.3	16.1	
24-Apr-07	6	5	4	5	6	6	6	6	7	8	9	10	9	10	10	10	10	9	9	8	7	7	6	5	7.4	10.5	
25-Apr-07	5	5	5	4	4	4	5	6	8	9	10	11	12	12	12	12	12	12	11	10	9	9	7	6	8.9	14.1	
26-Apr-07	5	4	4	3	3	3	4	6	6	9	11	12	12	12	12	12	12	12	11	10	9	8	8	7	8.1	12.3	
27-Apr-07	6	5	4	5	4	3	4	6	6	8	9	10	11	12	13	13	14	13	12	11	8	7	6	4	8.1	13.6	
28-Apr-07	3	3	2	1	2	3	4	5	5	6	7	8	9	9	10	10	10	10	9	8	7	6	4	3	5.9	10.2	
29-Apr-07	3	2	1	1	1	1	1	2	4	6	9	10	11	10	11	12	11	11	9	8	7	5	5	3	6.1	11.6	
30-Apr-07	2		1	1	1	0	3	5	7	9	10	11	11	12	12	12	11	11	11	10	8	6	5	3	6.8	12.1	
Hourly Avg	-0.3	-0.8	-1.1	-1.4	-1.6	-1.7	-1.2	0.1	1.3	2.8	4.1	5.1	5.9	6.5	6.8	6.8	6.5	5.9	5.3	4.1	2.8	2.1	1.4	0.8			
Hourly Max	6.4	5.2	4.8	5.1	5.7	6.1	6.0	6.4	7.9	10.3	11.8	13.1	14.4	15.3	16.1	15.8	15.7	14.5	14.2	12.3	10.4	10.0	9.1	7.7			

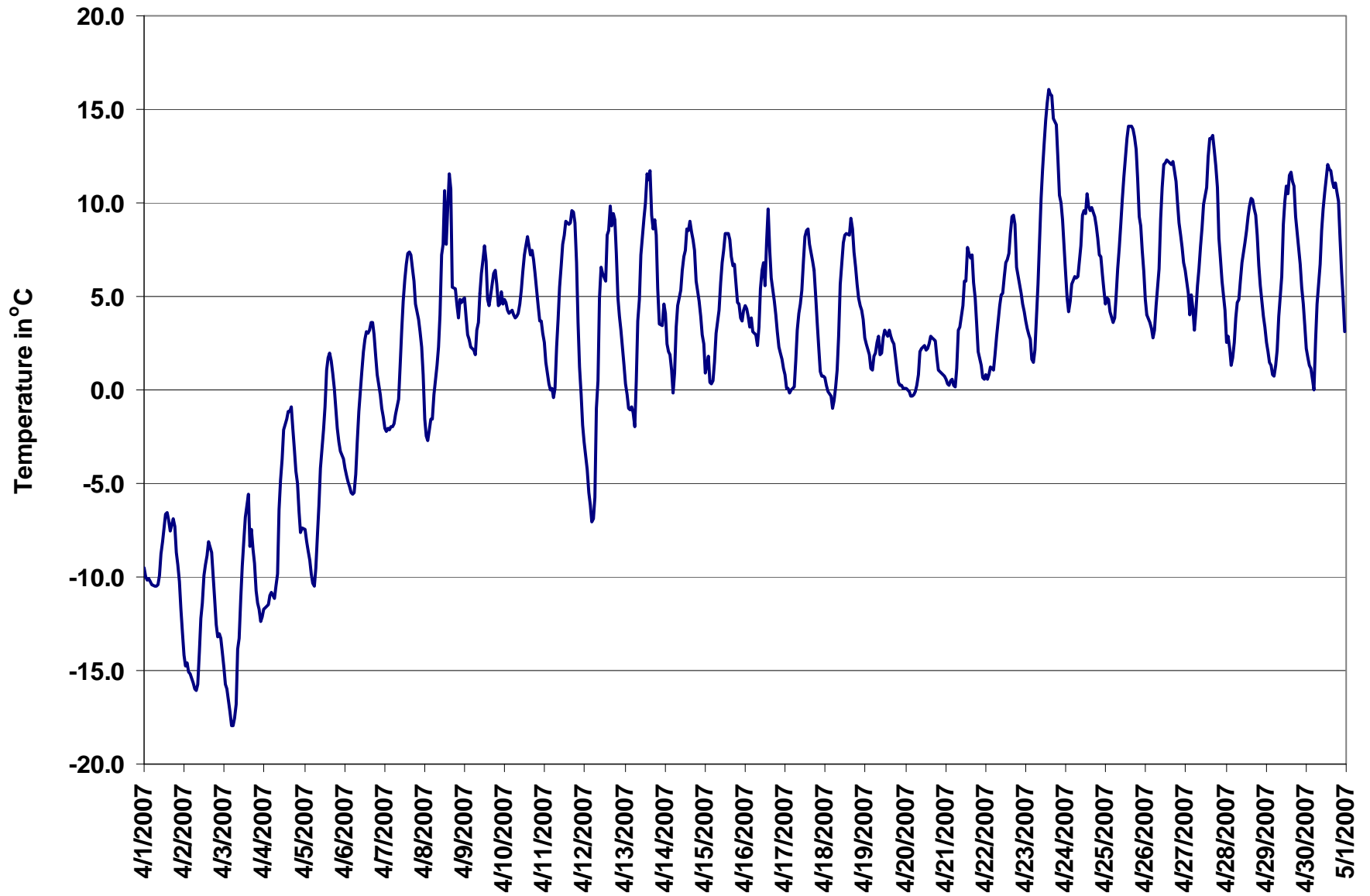


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

PASZA - Henry Pirker - Solar Radiation Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

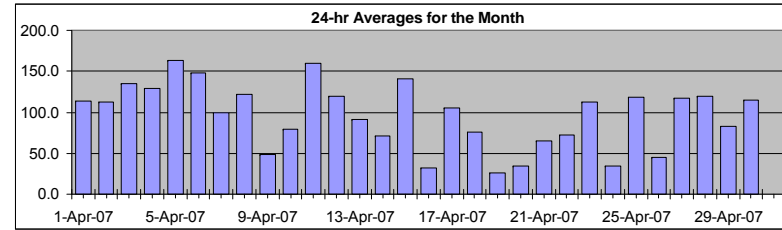
HOURLY AVERAGE TABLE

Solar Radiation (SR)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	593.4	W/m ²	11-Apr	8:00 9:00
Maximum 24-hr Value:	163.8	W/m ²	5-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	515.8	394.0	150.1	31.1	0.0	0.0	0.0	96.2 W/m ²	31.1 W/m ²

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	0	1	22	55	138	418	554	488	357	262	197	110	81	40	2	0	0	0	0	113.5	553.5
2-Apr-07	0	0	0	0	0	0	4	30	79	205	225	303	492	389	322	284	177	118	56	8	0	0	0	0	0	112.2	491.6
3-Apr-07	0	0	0	0	0	0	5	65	428	195	375	517	393	320	349	189	194	124	67	11	0	0	0	0	0	134.6	516.7
4-Apr-07	0	0	0	0	0	0	6	41	142	315	419	438	512	397	297	250	170	82	32	5	0	0	0	0	0	129.4	512.1
5-Apr-07	0	0	0	0	0	0	47	301	489	273	557	587	455	378	290	232	153	116	46	5	0	0	0	0	0	163.8	587.1
6-Apr-07	0	0	0	0	0	0	46	298	394	254	463	485	463	343	263	218	160	105	60	10	0	0	0	0	0	148.4	484.5
7-Apr-07	0	0	0	0	0	0	6	23	61	144	242	398	448	325	242	203	152	88	53	11	0	0	0	0	0	99.8	448.0
8-Apr-07	0	0	0	0	0	0	88	148	125	248	431	528	450	235	225	226	150	52	11	1	0	0	0	0	0	121.6	528.3
9-Apr-07	0	0	0	0	0	0	5	35	63	107	204	297	167	61	52	51	44	45	19	2	0	0	0	0	0	48.0	296.6
10-Apr-07	0	0	0	0	0	0	12	38	71	116	169	260	304	265	237	148	134	88	39	8	0	0	0	0	0	78.8	304.3
11-Apr-07	0	0	0	0	0	1	119	402	593	416	289	537	438	280	216	193	152	112	70	19	0	0	0	0	0	159.8	593.4
12-Apr-07	0	0	0	0	0	0	123	353	334	252	334	301	215	231	203	175	141	116	76	22	0	0	0	0	0	119.9	352.8
13-Apr-07	0	0	0	0	0	1	16	80	119	130	246	322	333	259	181	181	152	79	63	11	0	0	0	0	0	90.6	332.6
14-Apr-07	0	0	0	0	0	1	38	140	54	86	108	110	184	231	191	203	147	110	73	25	0	0	0	0	0	70.9	231.4
15-Apr-07	0	0	0	0	0	1	150	382	537	363	242	479	380	227	168	153	124	96	61	8	0	0	0	0	0	140.5	537.4
16-Apr-07	0	0	0	0	0	0	7	22	38	102	180	70	45	105	118	51	22	15	3	1	0	0	0	0	0	32.5	180.2
17-Apr-07	0	0	0	0	0	3	157	359	439	186	117	195	357	215	161	101	107	85	28	7	0	0	0	0	0	104.9	439.4
18-Apr-07	0	0	0	0	0	0	7	34	96	151	237	405	310	174	137	124	84	41	20	7	0	0	0	0	0	76.1	405.2
19-Apr-07	0	0	0	0	0	0	7	59	49	38	62	91	96	58	60	38	21	19	11	3	0	0	0	0	0	25.5	96.2
20-Apr-07	0	0	0	0	0	0	13	33	66	113	123	100	78	57	60	45	39	43	35	8	0	0	0	0	0	33.7	122.5
21-Apr-07	0	0	0	0	0	0	7	50	102	83	126	212	191	219	151	135	111	89	65	26	0	0	0	0	0	65.3	218.5
22-Apr-07	0	0	0	0	0	0	7	24	205	171	117	241	288	166	130	124	108	86	56	8	0	0	0	0	0	72.1	288.1
23-Apr-07	0	0	0	0	0	2	126	310	434	223	227	399	301	174	124	117	102	74	63	16	0	0	0	0	0	112.2	434.1
24-Apr-07	0	0	0	0	0	0	4	20	38	68	103	76	88	91	79	68	66	60	45	20	0	0	0	0	0	34.5	103.4
25-Apr-07	0	0	0	0	0	17	206	330	462	308	150	355	292	165	121	123	116	94	74	34	1	0	0	0	0	118.6	461.9
26-Apr-07	0	0	0	0	0	7	42	58	64	138	136	162	103	96	68	61	67	37	20	15	1	0	0	0	0	44.8	162.4
27-Apr-07	0	0	0	0	0	17	203	357	477	365	198	313	261	184	148	121	82	51	28	5	0	0	0	0	0	117.0	477.3
28-Apr-07	0	0	0	0	0	21	235	312	266	435	304	304	265	149	117	120	107	98	82	40	2	0	0	0	0	119.1	435.3
29-Apr-07	0	0	0	0	0	5	23	66	119	219	172	348	306	131	152	135	112	101	42	42	2	0	0	0	0	82.4	348.4
30-Apr-07	0	0	0	0	0	20	215	304	391	334	161	361	301	191	133	119	81	61	52	38	2	0	0	0	0	115.1	390.8
Hourly Avg	0.0	0.0	0.0	0.0	0.0	3.1	64.1	156.5	226.3	205.8	237.9	325.0	300.2	215.8	175.2	146.1	112.9	78.8	46.3	14.0	0.2	0.0	0.0	0.0	0.0		
Hourly Max	0.1	0.1	0.1	0.1	0.1	20.9	234.5	402.3	593.4	435.3	557.1	587.1	512.1	396.7	349.1	284.1	193.6	124.2	81.6	41.6	2.2	0.1	0.1	0.1	0.1		

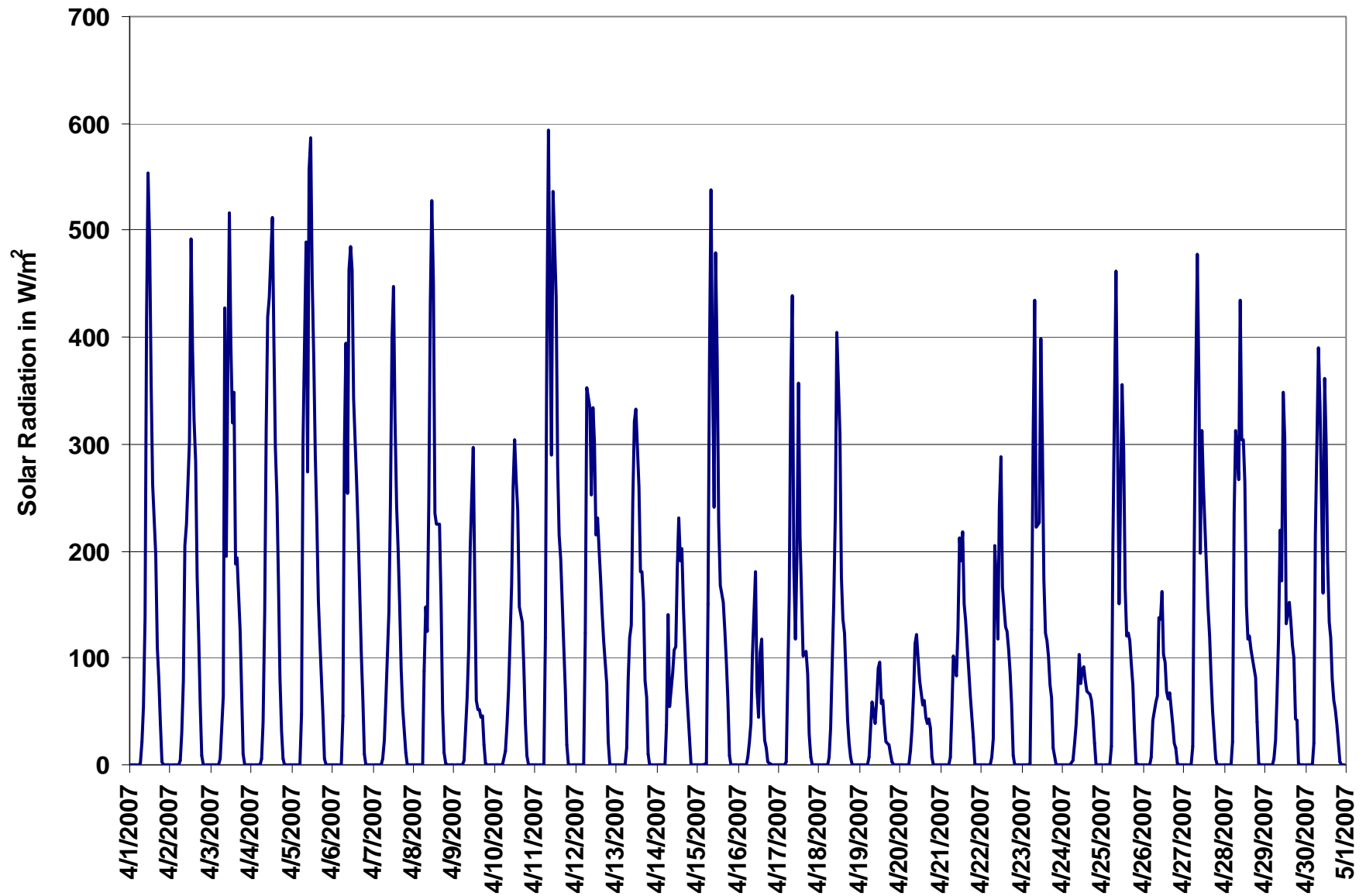


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

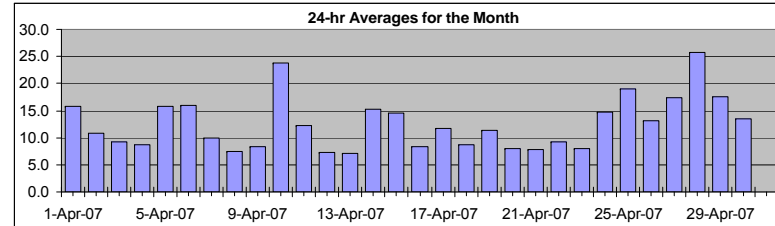
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	37.1	km/hr	28-Apr	9:00 10:00
Maximum 24-hr Value:	25.7	km/hr	28-Apr	

Calm Time:	0 hrs	0% calms	Operational Time:	715 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.3%				
Percentile	99	95	75	50	25	5	1	AverageS
	33.8	24.1	16.7	10.7	7.8	5.5	4.9	12.6 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Scalar Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	18	13	13	15	17	18	17	19	21	21	21	20	20	19	19	18	14	8	9	12	12	12	11	13	15.9	21.4	
2-Apr-07	13	10	11	13	15	15	14	13	15	12	9	10	11	12	11	8	7	8	8	9	10	8	8	8	10.8	14.9	
3-Apr-07	7	7	6	7	7	7	9	10	11	11	11	11	9	7	10	12	11	12	11	9	9	9	9	10	9.3	12.2	
4-Apr-07	9	7	7	7	6	5	5	7	7	7	8	9	10	10	11	12	11	12	10	9	11	9	7	10	8.6	12.2	
5-Apr-07	12	12	12	12	11	13	14	14	14	15	16	17	18	19	18	20	19	20	16	18	17	17	17	18	15.8	20.3	
6-Apr-07	17	16	17	15	16	18	16	15	14	15	15	16	16	19	18	21	21	18	16	13	13	12	14	15	14	16.0	20.7
7-Apr-07	13	12	11	9	9	9	9	9	8	8	8	10	11	11	11	12	12	11	10	10	11	10	8	5	9.9	12.7	
8-Apr-07	6	6	6	6	6	6	6	7	7	9	8	8	8	11	9	9	9	8	7	8	9	8	8	7	7.5	10.6	
9-Apr-07	8	6	6	5	8	8	6	8	8	7	9	9	7	6	9	8	7	5	6	5	7	13	20	16	8.3	20.4	
10-Apr-07	18	22	22	23	28	27	28	28	29	28	29	27	28	24	28	25	24	20	20	20	18	16	21	19	23.8	28.6	
11-Apr-07	19	13	12	10	11	8	10	10	12	18	20	20	18	18	17	17	12	10	9	6	5	5	7	5	12.2	20.5	
12-Apr-07	6	6	6	6	6	6	8	5	7	5	9	10	9	7	8	8	9	8	7	7	7	9	8	6	7.3	9.8	
13-Apr-07	7	6	5	5	6	7	5	5	5	6	6	8	11	10	10	11	10	9	7	7	5	6	6	7	7.1	11.2	
14-Apr-07	6	6	5	7	7	8	7	8	21	23	14	16	23	21	25	22	24	18	18	19	20	17	17	15	15.3	24.9	
15-Apr-07	8	11	13	12	13	14	10	14	18	19	18	19	18	21	24	25	19	17	10	8	9	8	9	10	14.5	24.8	
16-Apr-07	10	10	8	9	8	8	7	7	5	6	9	8	10	9	9	12	13	10	11	9	7	5	5	5	8.4	13.1	
17-Apr-07	6	7	10	6	5	6	16	19	17	17	17	15	16	16	14	15	15	16	12	11	8	7	7	6	11.8	19.3	
18-Apr-07	5	5	6	7	6	6	7	7	7	7	8	9	10	11	13	12	12	11	12	10	9	10	8	9	8.7	13.2	
19-Apr-07	10	7	8	8	7	8	9	10	11	11	13	15	16	15	17	16	16	13	12	10	9	10	10	9	11.3	16.7	
20-Apr-07	10	10	5	N	N	N	N	N	8	7	9	10	11	10	9	7	7	8	7	6	7	6	8	7	7.9	10.8	
21-Apr-07	7	7	5	5	4	7	5	5	5	8	9	10	11	11	11	12	10	12	11	10	7	6	6	6	7.9	11.9	
22-Apr-07	6	8	7	6	6	5	6	5	7	10	11	10	14	17	18	14	11	10	9	8	8	8	8	9	9.2	18.0	
23-Apr-07	8	6	9	6	6	5	5	6	7	8	10	9	9	8	10	10	10	11	10	10	8	9	8	6	8.1	10.9	
24-Apr-07	7	9	6	7	9	8	9	9	14	18	16	19	13	13	19	17	20	23	20	17	17	22	22	19	14.6	23.1	
25-Apr-07	17	22	21	17	18	19	22	20	19	20	21	22	23	22	20	20	20	19	23	18	14	15	14	11	19.0	23.0	
26-Apr-07	7	7	8	9	8	8	10	11	9	15	21	17	19	17	17	15	16	14	17	14	12	14	13	21	13.2	21.5	
27-Apr-07	20	14	9	24	20	15	19	34	30	24	25	23	20	16	14	9	7	7	6	12	23	17	15	13	17.3	34.0	
28-Apr-07	17	14	16	15	17	21	27	25	35	37	36	34	36	34	33	32	32	34	31	26	23	18	12	11	25.7	37.1	
29-Apr-07	11	12	11	12	9	11	14	11	15	19	21	24	23	24	27	26	25	26	24	21	16	14	15	12	17.6	27.1	
30-Apr-07	10	11	11	13	9	8	9	12	14	22	21	22	21	21	18	19	16	12	10	14	11	10	6	5	13.5	22.0	
1-hr Average	10.7	10.1	9.8	10.1	10.3	10.4	11.3	12.2	13.3	14.5	15.0	15.3	15.7	15.3	16.0	15.4	14.6	13.6	12.6	11.9	11.4	11.0	11.0	10.4			
Hourly Max	20.0	22.3	21.5	23.7	28.1	27.3	28.5	34.0	34.7	37.1	36.2	34.1	35.6	33.9	33.0	31.6	31.9	34.2	31.1	26.0	23.2	21.9	22.2	21.3			

PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

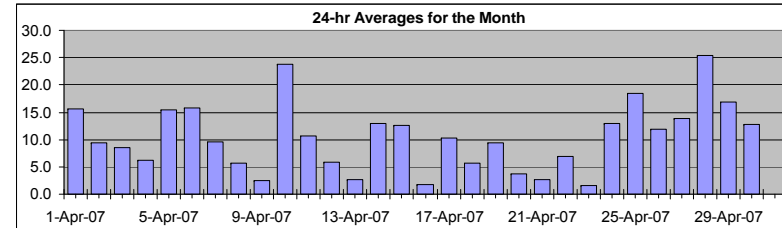
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	37.0	km/hr	28-Apr	9:00 10:00
Maximum 24-hr Value:	25.3	km/hr	28-Apr	



Calm Time:	0 hrs	0% calms	Operational Time:	715 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.3%				
Percentile	99	95	75	50	25	5	1	AverageV
	33.5	23.8	16.4	10.3	7.0	3.4	1.4	30.3 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07	18	13	13	15	17	18	17	19	20	21	21	20	19	19	19	17	14	7	7	11	12	12	11	13		15.6	21.2	
2-Apr-07	13	10	11	13	15	15	14	13	15	11	8	9	10	11	10	6	4	7	8	8	10	8	8	8		9.4	14.9	
3-Apr-07	7	7	6	7	7	7	8	10	11	11	11	11	8	4	9	12	10	12	11	9	9	9	9	10		8.5	12.0	
4-Apr-07	9	7	7	6	6	5	4	7	6	7	6	8	9	10	11	12	11	12	9	9	11	9	7	10		6.2	11.7	
5-Apr-07	12	12	12	12	11	13	14	14	14	15	16	17	18	18	18	20	19	20	16	18	17	17	17	17		15.4	20.1	
6-Apr-07	17	16	16	15	16	17	16	15	14	15	15	16	19	18	21	20	18	16	13	13	12	13	15	14		15.8	20.6	
7-Apr-07	13	12	11	9	9	9	9	9	8	7	8	9	10	11	11	12	12	10	10	9	11	10	8	4		9.6	12.7	
8-Apr-07	6	6	5	4	1	3	6	6	6	8	6	8	6	9	9	8	6	8	7	6	7	3	4	7		5.7	9.2	
9-Apr-07	8	5	6	2	5	3	2	4	6	7	8	9	7	6	8	6	5	4	5	4	5	12	20	16		2.5	20.4	
10-Apr-07	18	22	21	23	28	27	28	28	28	29	27	27	24	28	25	24	20	20	20	18	16	21	19		23.7	28.6		
11-Apr-07	19	13	12	9	11	8	10	10	12	18	20	19	18	18	17	16	12	9	9	6	3	2	5	3		10.6	20.3	
12-Apr-07	5	6	6	6	6	5	7	4	6	4	8	9	9	7	7	6	8	8	7	7	7	9	7	5		5.9	9.2	
13-Apr-07	7	6	5	3	6	1	3	3	3	4	6	8	11	10	10	10	10	8	6	5	2	4	4	7		2.6	10.8	
14-Apr-07	1	1	3	3	6	7	6	7	20	23	14	16	22	21	25	22	24	18	18	19	20	17	17	15		13.0	24.8	
15-Apr-07	7	11	13	12	13	13	10	14	18	19	18	19	18	21	24	25	19	17	10	8	8	9	10		12.6	24.7		
16-Apr-07	10	10	8	9	8	8	1	6	2	3	7	7	9	9	9	11	12	9	11	8	6	3	4	2		1.8	12.5	
17-Apr-07	2	5	10	5	5	5	16	19	17	16	16	14	16	16	14	15	15	16	12	11	7	7	7	4		10.4	19.2	
18-Apr-07	3	2	6	6	5	6	7	7	7	2	7	8	9	11	13	12	11	11	12	9	9	10	8	9		5.7	12.8	
19-Apr-07	10	6	8	8	6	7	9	10	11	10	13	15	16	14	16	16	15	13	12	10	9	10	10	9		9.5	16.5	
20-Apr-07	10	10	4	N	N	N	N	N	7	7	9	10	11	9	9	3	6	6	6	5	6	6	8	7		3.8	10.6	
21-Apr-07	7	7	4	4	1	7	5	5	2	8	8	9	10	10	10	11	9	11	10	10	6	6	6	6		2.6	11.1	
22-Apr-07	5	8	5	5	3	3	5	2	5	10	10	10	14	17	18	13	11	9	9	7	8	7	7	8		7.0	17.8	
23-Apr-07	8	5	9	5	5	4	3	6	6	6	9	8	6	5	8	9	8	10	9	10	7	9	8	4		1.6	10.5	
24-Apr-07	3	9	5	1	6	6	9	5	14	18	15	19	12	12	19	17	20	23	20	17	17	22	22	18		13.0	22.9	
25-Apr-07	17	22	21	16	18	19	22	20	19	20	21	21	22	21	19	20	20	19	23	18	14	15	14	10		18.5	22.7	
26-Apr-07	4	7	7	9	7	8	9	10	8	15	21	16	18	16	16	14	16	14	17	14	11	14	13	21		11.8	21.1	
27-Apr-07	19	14	9	24	19	15	19	34	30	24	25	22	19	16	13	6	4	3	5	9	21	17	14	11		13.8	33.9	
28-Apr-07	16	13	16	15	17	21	27	24	34	37	36	34	35	34	33	31	31	34	31	26	23	18	11	11		25.3	37.0	
29-Apr-07	11	12	11	11	8	10	14	11	15	19	20	23	22	24	26	25	24	26	23	21	16	14	15	12		16.8	26.4	
30-Apr-07	10	11	11	12	9	7	8	11	13	22	20	21	21	20	17	18	16	11	9	14	11	10	1	3		12.7	21.7	
1-hr Vector	3.2	3.4	4.0	3.6	4.4	3.3	4.1	5.3	7.9	9.0	9.6	10.1	9.4	8.5	9.4	7.9	7.1	5.2	4.7	3.6	3.4	2.7	3.0	3.0				
Hourly Max	19.5	22.2	21.4	23.6	28.0	27.2	28.4	33.9	34.5	37.0	35.9	33.8	35.3	33.6	32.6	31.2	31.5	34.1	30.9	25.9	22.9	21.8	22.1	21.1				

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	350.8	330.2	289.9	241.5	108.0	29.7	9.3	268 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																								24-hour Average	WD Sector		
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00			23:00	23:00
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07	316	300	285	295	288	290	294	300	300	299	297	296	289	288	287	291	290	298	341	303	307	319	315	305	298	298	WNW	
2-Apr-07	311	313	305	308	303	302	303	299	299	309	312	320	297	301	280	355	61	36	28	352	337	335	326	296	316	316	NW	
3-Apr-07	292	309	308	293	319	307	305	297	291	296	287	280	348	74	297	308	315	316	322	331	317	307	303	315	309	309	NW	
4-Apr-07	313	304	308	357	20	44	140	120	161	99	89	56	52	55	23	20	22	50	42	43	48	46	44	61	42	42	NE	
5-Apr-07	70	69	69	67	66	77	78	81	82	77	72	59	62	74	77	92	93	87	96	110	96	92	89	89	81	81	E	
6-Apr-07	89	88	86	85	85	87	89	85	82	77	73	71	69	64	67	67	62	65	67	75	74	76	83	85	77	77	ENE	
7-Apr-07	81	81	79	74	73	68	62	71	74	75	66	50	55	39	42	53	59	53	49	57	68	71	68	21	63	63	ENE	
8-Apr-07	325	311	333	301	298	21	72	130	331	304	299	285	274	291	343	346	325	296	327	317	319	340	354	57	323	323	NW	
9-Apr-07	88	68	25	65	297	66	111	118	318	324	284	278	271	310	291	281	202	158	145	108	170	255	240	238	259	259	W	
10-Apr-07	243	245	251	249	245	248	250	248	248	246	245	246	242	246	241	241	242	237	235	235	232	238	239	243	243	243	WSW	
11-Apr-07	240	230	221	224	230	236	204	218	226	240	242	242	250	250	273	280	272	274	272	288	94	19	209	246	246	246	WSW	
12-Apr-07	333	315	297	293	292	280	329	294	282	257	268	294	309	288	275	273	280	262	276	245	229	219	212	145	276	276	W	
13-Apr-07	147	132	108	123	95	303	23	107	177	274	264	289	331	1	4	2	293	302	339	9	9	264	329	99	343	343	NNW	
14-Apr-07	67	96	261	28	314	311	316	314	266	247	251	241	242	232	244	246	250	240	240	241	241	238	238	238	249	249	WSW	
15-Apr-07	256	264	238	229	232	243	235	253	238	237	251	258	257	267	265	266	273	276	285	257	226	144	145	145	250	250	WSW	
16-Apr-07	139	138	121	122	138	144	171	318	230	295	299	317	324	11	40	15	327	282	244	302	290	331	352	231	313	313	NW	
17-Apr-07	159	231	216	229	264	230	229	237	249	250	239	265	278	274	273	293	270	273	296	308	324	268	268	288	261	261	W	
18-Apr-07	279	272	354	327	280	338	328	305	289	12	51	30	45	32	28	35	31	62	69	70	70	89	104	70	31	31	NNE	
19-Apr-07	69	27	310	293	315	37	22	21	34	28	4	333	321	325	334	336	332	340	344	319	307	302	310	307	341	341	NNW	
20-Apr-07	309	320	334	8	8	340	346	304	273	274	274	279	272	291	318	36	349	18	19	44	79	82	101	110	328	328	NNW	
21-Apr-07	155	155	135	14	45	164	152	167	229	287	293	288	309	310	311	351	37	45	52	52	44	46	47	22	9	9	N	
22-Apr-07	315	323	310	331	13	112	91	99	290	304	302	325	330	316	318	338	3	21	17	31	43	31	356	317	341	341	NNW	
23-Apr-07	338	289	255	172	174	106	93	150	131	223	246	262	301	325	297	295	43	54	55	61	52	48	38	31	359	359	N	
24-Apr-07	251	309	287	227	241	312	301	232	321	310	294	278	294	275	248	245	264	271	265	242	236	239	245	236	265	265	W	
25-Apr-07	222	234	236	223	229	235	241	240	245	245	242	258	260	257	257	260	262	266	265	263	258	247	246	239	248	248	WSW	
26-Apr-07	223	143	183	151	172	167	178	172	182	215	233	229	209	209	231	234	238	236	243	226	222	229	228	244	217	217	SW	
27-Apr-07	238	232	231	240	241	240	242	264	263	238	233	235	254	253	260	279	253	28	40	119	189	152	180	246	238	238	WSW	
28-Apr-07	258	258	225	215	218	236	239	229	240	241	242	246	245	241	241	244	248	243	244	239	245	238	219	212	240	240	WSW	
29-Apr-07	224	214	221	206	214	219	233	229	222	234	237	247	249	253	260	247	261	246	266	271	254	230	238	225	243	243	WSW	
30-Apr-07	218	213	219	227	228	309	249	268	248	239	244	247	249	255	259	251	240	247	266	269	271	277	229	171	247	247	WSW	
Hourly Avg	256	257	252	246	252	259	249	247	259	260	261	270	277	279	282	289	285	286	293	283	263	251	251	241				N

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

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Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	55.4	43.1	17.9	9.9	6.2	4.2	3.5

Status Flag Characters

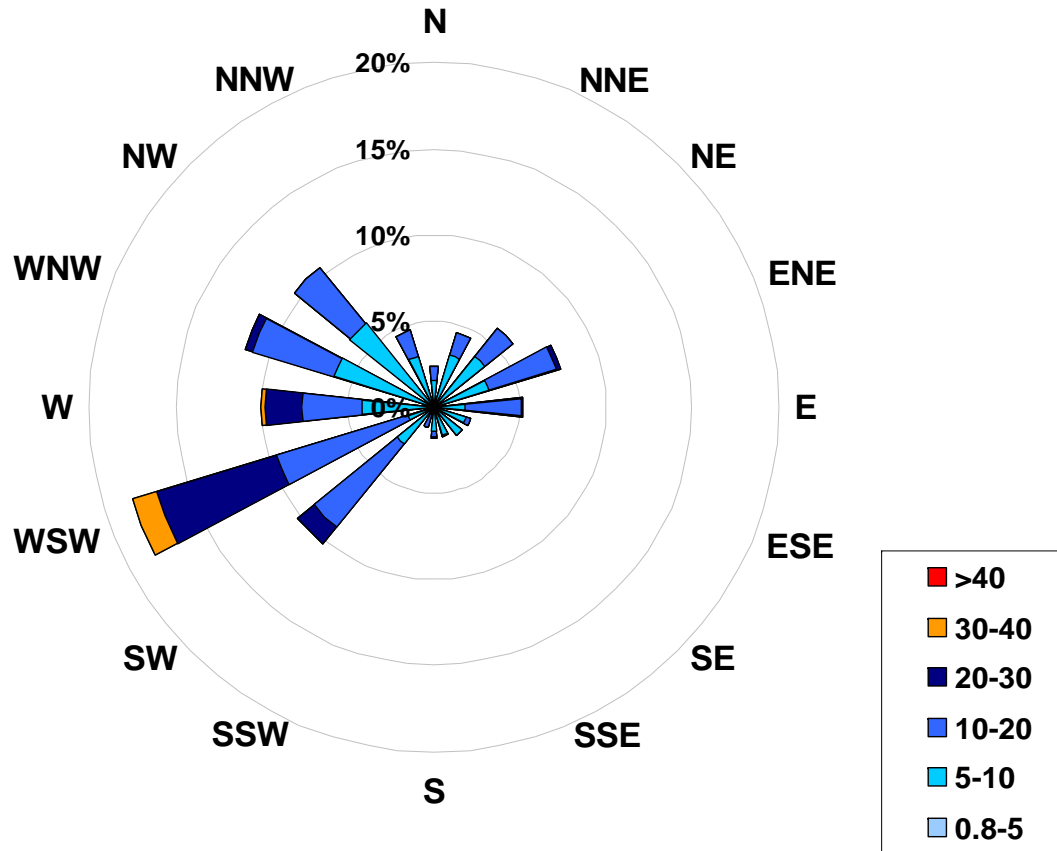
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00	Daily Maximum
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	4	7	5	5	4	4	4	4	5	6	6	8	8	10	10	9	8	32	34	17	6	6	6	4	34.2		
2-Apr-07	4	6	5	5	4	5	6	6	6	16	19	15	17	19	15	34	64	25	23	15	5	7	9	6	64.4		
3-Apr-07	9	9	12	7	6	8	10	7	7	8	10	15	26	58	34	10	12	9	7	6	7	6	6	5	58.0		
4-Apr-07	9	11	7	16	8	20	26	14	22	20	32	20	19	22	16	13	16	9	14	10	7	9	13	7	32.5		
5-Apr-07	5	8	4	5	5	4	5	6	6	6	8	8	7	9	10	8	9	5	6	7	6	6	5	5	9.6		
6-Apr-07	5	5	5	4	5	4	5	5	6	6	8	8	8	8	7	6	6	6	6	5	6	4	5	6	8.4		
7-Apr-07	5	5	5	10	6	7	8	9	10	20	20	16	14	10	10	9	11	10	8	8	6	7	9	31	31.4		
8-Apr-07	22	14	26	16	55	55	25	21	28	18	31	14	30	13	16	20	20	14	13	35	30	76	44	20	76.4		
9-Apr-07	10	18	17	55	31	52	53	36	20	27	10	7	10	11	19	30	49	42	12	28	33	11	3	4	54.8		
10-Apr-07	5	4	5	5	4	5	4	4	3	4	4	4	4	4	4	4	4	4	4	4	5	5	3	3	4.8		
11-Apr-07	4	6	5	9	8	25	8	10	8	6	6	6	6	7	4	4	4	7	13	11	36	49	29	43	49.1		
12-Apr-07	27	19	8	14	16	20	14	29	17	39	12	10	7	7	19	26	16	11	10	11	19	10	12	10	39.2		
13-Apr-07	6	7	7	55	19	32	44	56	47	23	10	10	10	15	12	17	11	12	21	24	35	41	21	15	55.9		
14-Apr-07	57	74	46	21	20	23	38	25	10	5	11	8	6	6	4	6	5	7	6	5	3	33	4	4	74.3		
15-Apr-07	27	8	9	5	5	7	13	9	6	6	7	6	7	5	4	5	3	2	8	8	20	11	5	4	27.2		
16-Apr-07	6	6	15	12	11	8	27	26	41	34	17	21	22	19	18	11	13	7	8	25	22	38	26	22	41.5		
17-Apr-07	28	18	10	6	9	9	5	4	6	7	5	6	5	3	4	7	7	4	6	8	45	13	10	18	45.4		
18-Apr-07	45	25	18	29	24	20	14	9	8	49	31	25	17	15	13	13	13	12	9	9	7	7	9	10	48.7		
19-Apr-07	15	20	9	6	23	13	15	13	13	14	8	8	10	14	9	6	6	8	6	7	6	5	5	6	23.4		
20-Apr-07	5	6	16	10	11	9	10	14	7	6	12	12	9	16	15	47	48	26	26	26	11	18	10	10	47.8		
21-Apr-07	11	9	21	37	52	6	17	20	48	20	22	19	16	26	19	20	21	17	14	11	18	13	15	24	51.6		
22-Apr-07	29	18	44	49	39	30	15	43	41	15	16	21	13	8	8	21	17	18	18	15	15	22	30	18	49.4		
23-Apr-07	11	18	9	19	17	40	43	22	36	33	17	26	40	51	34	35	43	15	10	13	13	9	13	32	51.1		
24-Apr-07	14	11	35	88	43	31	11	30	8	5	11	6	12	18	9	10	8	5	6	6	6	5	5	5	88.1		
25-Apr-07	8	4	5	7	5	5	4	5	8	9	11	12	9	15	14	12	10	10	6	4	5	5	6	8	14.7		
26-Apr-07	18	15	15	5	9	12	8	10	16	12	9	14	12	12	11	17	13	9	7	8	9	6	9	5	18.0		
27-Apr-07	10	9	13	5	5	5	6	5	6	8	9	12	13	18	19	46	55	45	48	18	12	5	10	16	54.8		
28-Apr-07	10	16	8	6	5	4	4	8	6	6	7	8	8	7	9	9	8	5	6	5	5	7	6	7	16.0		
29-Apr-07	7	7	7	8	11	8	5	9	8	7	10	12	14	12	12	11	12	9	6	6	4	7	4	5	13.6		
30-Apr-07	6	5	5	7	10	25	19	16	12	8	12	15	12	14	16	12	12	18	30	5	5	10	34	43	43.1		

Hourly Max	57	74	46	88	55	55	53	56	48	49	32	26	40	58	34	47	64	45	48	35	45	76	44	43
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1-hr Average Wind Rose (in km/hr) Located at the Henry Pirker Site for April 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	11
5	to	10	312
10	to	20	296
20	to	30	83
30	to	40	13
	>	40	0
Total Non-Zero Values			715

PASZA – Evergreen Park Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

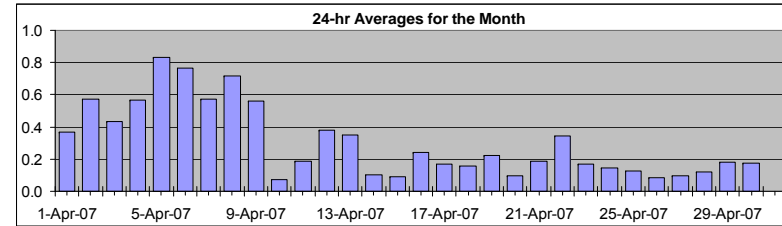
Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	2.1	ppb	12-Apr	17:00 18:00
Maximum 24-hr Average:	0.8	ppb	5-Apr	

AIC Time:	33 hrs	Operational Time:	684 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.0	0.4	0.2	0.1	0.0	0.0	0.3 ppb	0.2 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.5	
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	A	0	0.6	1.0	
3-Apr-07	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	A	0	0	0.4	1.1	
4-Apr-07	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	A	1	0	0	0.6	1.1	
5-Apr-07	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	A	1	1	1	2	0.8	1.7
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0	0	0	0	0	0.8	1.3	
7-Apr-07	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	A	1	1	0	0	0	0	0.6	1.7	
8-Apr-07	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	A	1	1	1	1	0	0	0	0.7	2.0	
9-Apr-07	0	0	0	0	0	0	0	0	1	1	2	2	2	1	0	A	0	0	0	0	0	0	0	0	0.6	2.1	
10-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.1	
11-Apr-07	0	0	0	0	0	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.2	0.6	
12-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	2	2	0	0	0	0	0	0.4	2.1	
13-Apr-07	0	0	0	0	0	0	0	0	0	1	1	A	1	1	1	0	1	0	0	0	0	0	0	0	0.3	1.1	
14-Apr-07	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
15-Apr-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
16-Apr-07	0	0	0	0	0	0	0	0	0	A	1	0	C	C	C	A	0	0	0	0	0	0	0	0	0.2	0.5	
17-Apr-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	
18-Apr-07	0	0	0	0	A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5	
19-Apr-07	0	0	0	A	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.0	
20-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
21-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.2	0.8	
22-Apr-07	A	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	A	0.3	0.9	
23-Apr-07	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	
24-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.1	0.2	
25-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.1	0.3	
26-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.1	0.2	
27-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.1	0.2	
28-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	1	0.1	0.5	
29-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.2	0.4	
30-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.2	0.4	
Hourly Avg	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2		
Hourly Max	1.3	1.0	0.7	0.9	0.9	1.0	1.0	0.8	1.1	1.7	1.8	2.1	2.0	1.7	1.7	2.0	0.9	2.1	1.7	0.7	0.7	0.9	1.4	1.7			

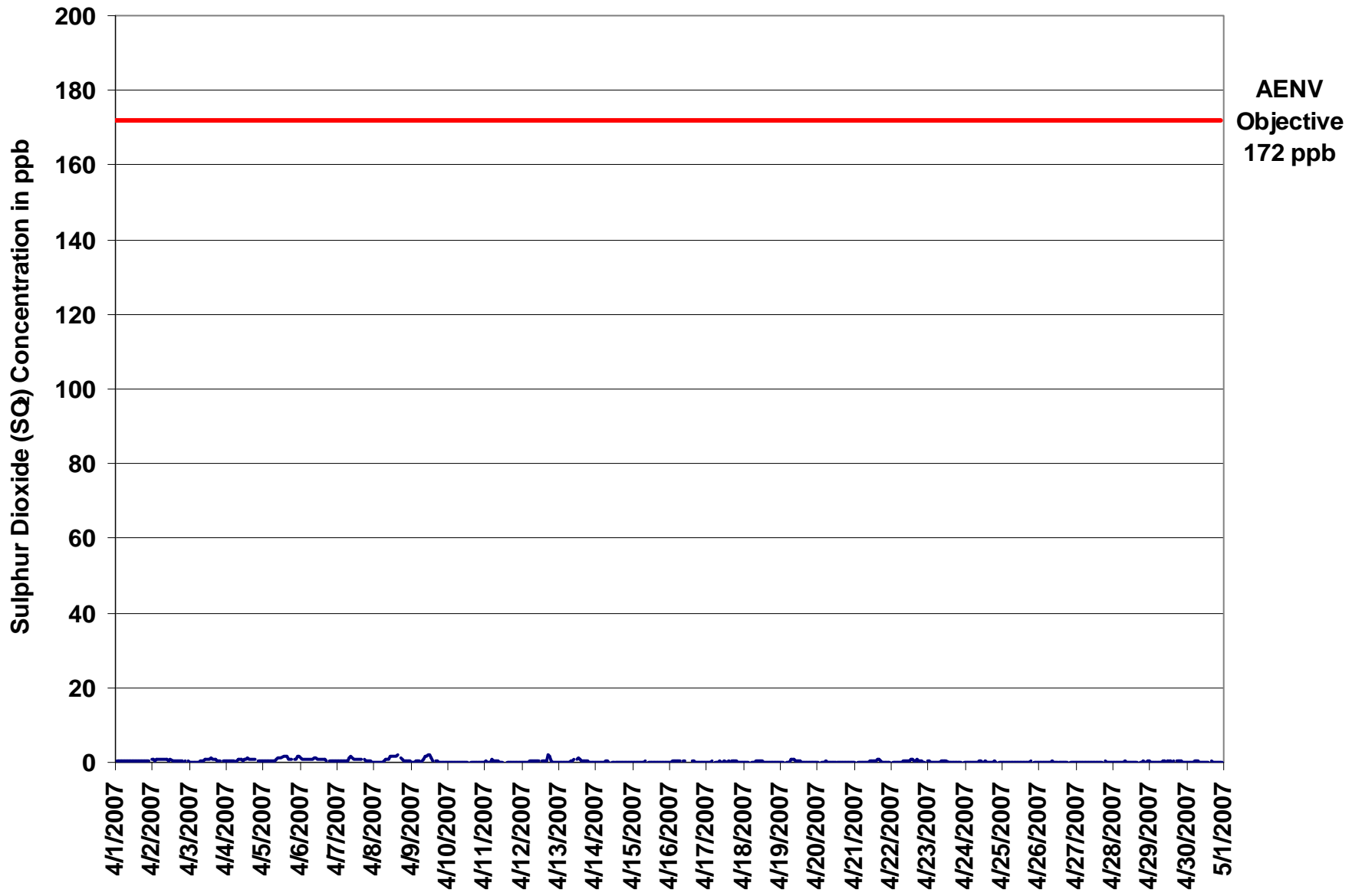


Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

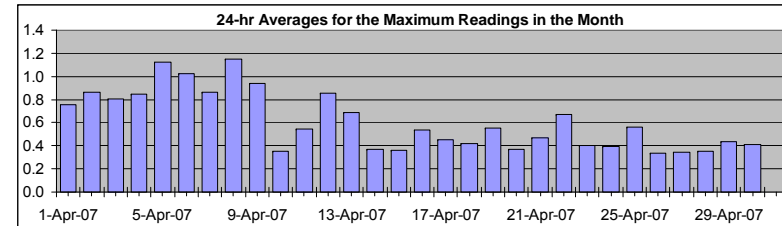
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	4.9	ppb	25-Apr	19:00 20:00
Maximum 24-hr Value:	1.2	ppb	8-Apr	

AIC Time:	33 hrs	Operational Time:	684 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	1.5	0.7	0.4	0.3	0.3	0.2	0.6 ppb	0.4 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Apr-07	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0.8	2.2
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	A	1	A	0.9	1.3
3-Apr-07	0	0	0	0	0	1	0	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0	0.8	1.8	
4-Apr-07	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	A	1	1	0	0.8	2.0	
5-Apr-07	0	0	0	0	0	1	0	1	1	2	2	1	2	2	2	2	1	1	A	1	1	2	2	1.1	2.2	
6-Apr-07	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	0	0	1.0	1.6	
7-Apr-07	0	0	0	0	1	1	0	1	3	2	2	1	1	1	1	1	A	1	1	1	1	0	0	0.9	2.7	
8-Apr-07	0	0	0	0	0	0	0	1	1	1	2	3	3	2	2	2	A	2	1	1	1	1	1	1.2	2.7	
9-Apr-07	0	0	0	0	0	0	0	1	1	2	3	3	3	2	1	A	0	0	0	0	0	0	0	0.9	3.1	
10-Apr-07	0	0	0	0	0	0	0	0	1	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.4	0.5	
11-Apr-07	0	0	1	0	1	1	1	1	1	0	0	0	A	0	0	0	0	2	0	0	0	0	0	0.5	1.7	
12-Apr-07	0	0	0	0	0	1	1	1	1	1	1	0	A	1	1	1	1	4	4	1	1	0	0	0.9	4.2	
13-Apr-07	0	0	0	0	0	0	0	0	1	1	1	A	2	2	1	1	1	1	1	0	0	0	0	0.7	1.8	
14-Apr-07	0	0	0	0	0	0	0	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6	
15-Apr-07	0	0	0	0	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9	
16-Apr-07	0	0	0	1	1	1	1	1	A	1	1	C	C	C	A	1	1	0	0	0	1	0	0	0.5	0.9	
17-Apr-07	0	0	0	0	0	A	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0.5	1.5	
18-Apr-07	0	0	0	0	A	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9	
19-Apr-07	0	0	0	A	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0.6	1.5	
20-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5	
21-Apr-07	0	A	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0.5	1.2	
22-Apr-07	A	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	0.7	1.3	
23-Apr-07	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.6	
24-Apr-07	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	A	0	0.4	0.8	
25-Apr-07	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	5	A	0	0	0.6	4.9	
26-Apr-07	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1	0	A	0	0	0	0.3	0.5	
27-Apr-07	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	A	1	1	0	0	0	0.3	0.8	
28-Apr-07	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0	1	0.4	0.8	
29-Apr-07	1	0	0	0	0	1	0	1	1	1	1	1	0	1	0	0	A	1	0	0	0	0	0	0.4	0.7	
30-Apr-07	0	0	0	0	1	1	1	1	1	0	0	0	1	0	1	A	1	0	0	0	0	1	0	0.4	0.6	
Hourly Avg	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.8	0.8	0.8	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4		
Hourly Max	1.6	1.3	1.0	1.2	1.3	1.4	1.3	1.8	2.7	2.2	3.0	3.1	2.7	2.2	2.1	2.4	2.2	4.2	4.2	4.9	1.0	1.2	1.8	2.0		

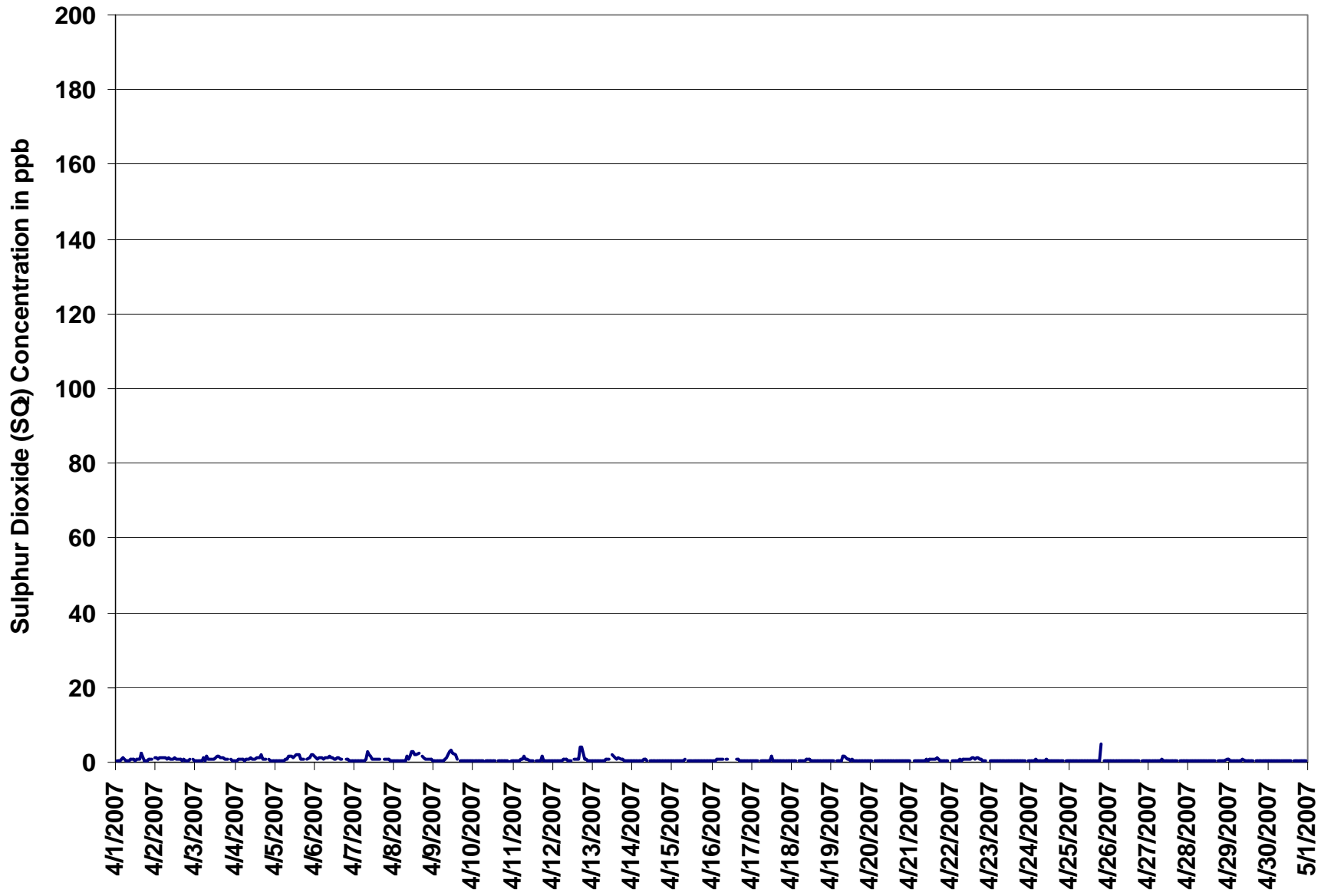
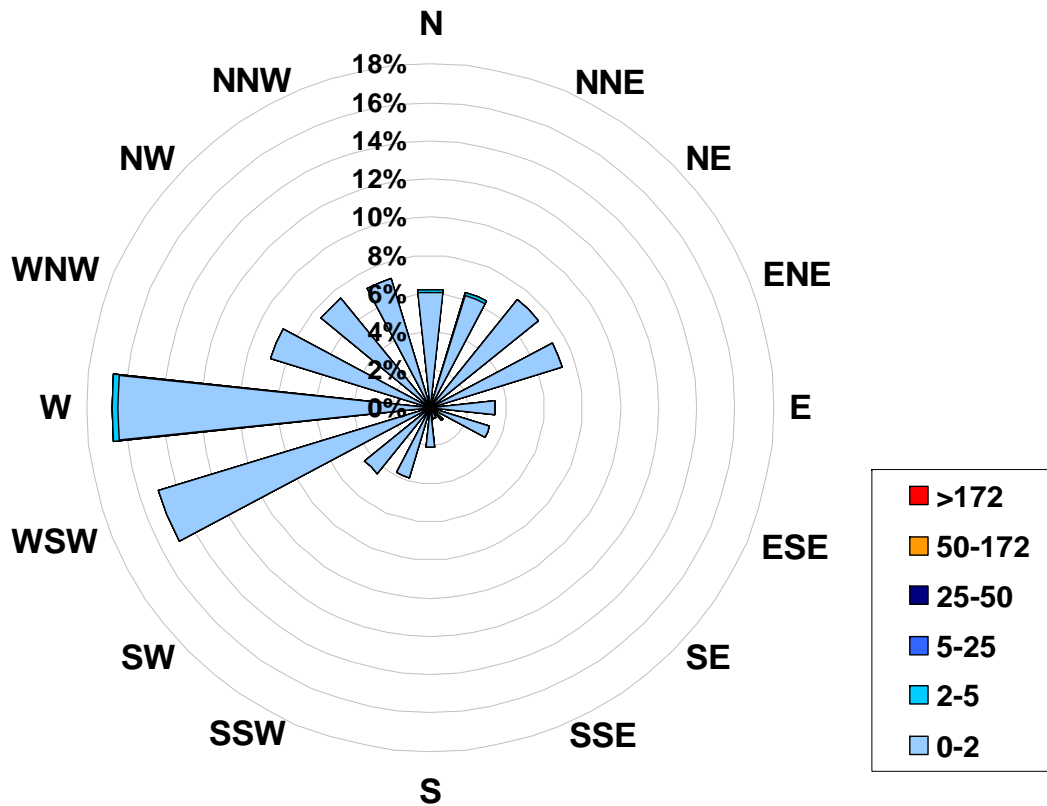


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Evergreen Park Site for April 2007



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2	680	
2	to 5	4	
5	to 25	0	
25	to 50	0	
50	to 172	0	
	> 172	0	
Total Non-Zero Values			684

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

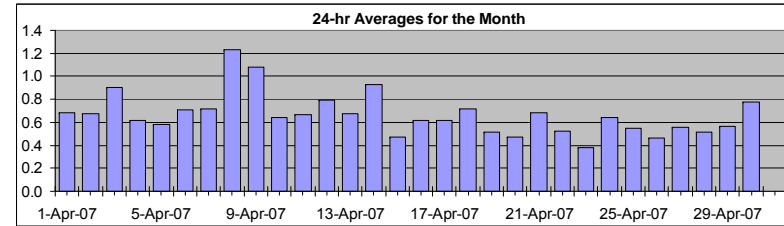
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
 Summary

Maximum 1-hr Average:	5.3	ppb	14-Apr	6:00 7:00
Maximum 24-hr Value:	1.2	ppb	8-Apr	

AIC Time:	33 hrs	Operational Time:	684 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.1	1.2	0.7	0.6	0.5	0.4	0.3	0.7 ppb	0.6 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.7	0.9
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	A	1	0.7	1.0	
3-Apr-07	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.9	2.8		
4-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	A	A	0	0	0.6	1.3		
5-Apr-07	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.6	0.7		
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.7	0.8		
7-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.7	1.0		
8-Apr-07	1	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	A	1	1	1	2	1	1	1.2	2.5		
9-Apr-07	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.1	1.7		
10-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.6	0.8		
11-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.7	0.8		
12-Apr-07	1	1	1	2	2	1	1	1	1	1	1	1	A	1	1	1	0	1	1	1	1	0	1	0.8	2.0		
13-Apr-07	1	1	0	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0	1	0	0.7	1.3		
14-Apr-07	0	0	0	1	1	3	5	3	1	1	A	0	0	0	0	0	0	0	0	0	0	0	1	0.9	5.3		
15-Apr-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	1	1	0	1	1	0	0.5	0.7		
16-Apr-07	0	0	0	1	0	0	1	1	A	1	1	C	C	C	A	1	0	1	1	1	1	1	1	0.6	1.1		
17-Apr-07	1	1	1	0	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8		
18-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0.7	1.4		
19-Apr-07	0	1	1	A	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0.5	0.7		
20-Apr-07	0	0	A	0	0	0	0	0	1	0	1	1	0	1	1	0	0	1	1	0	1	0	0	0.5	0.7		
21-Apr-07	0	A	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.0		
22-Apr-07	A	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	A	0.5	0.7		
23-Apr-07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.8		
24-Apr-07	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.8		
25-Apr-07	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	1	0	1	A	1	0	0.5	0.7		
26-Apr-07	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	A	1	1	0	0.5	0.6		
27-Apr-07	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	0	1	0	A	1	1	1	1	0.6	1.5		
28-Apr-07	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	A	1	0	1	0	1	0.5	1.5		
29-Apr-07	0	0	0	0	1	0	1	1	1	1	0	0	1	0	1	1	A	1	1	1	1	1	1	0.6	0.9		
30-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	2	1	1	0.8	2.1		
Hourly Avg	0.6	0.6	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6			
Hourly Max	1.5	1.4	2.5	1.8	2.0	3.1	5.3	3.3	2.1	1.3	1.2	1.4	1.1	1.2	1.1	0.9	0.9	1.1	0.9	1.1	2.1	1.3	1.2	1.5			

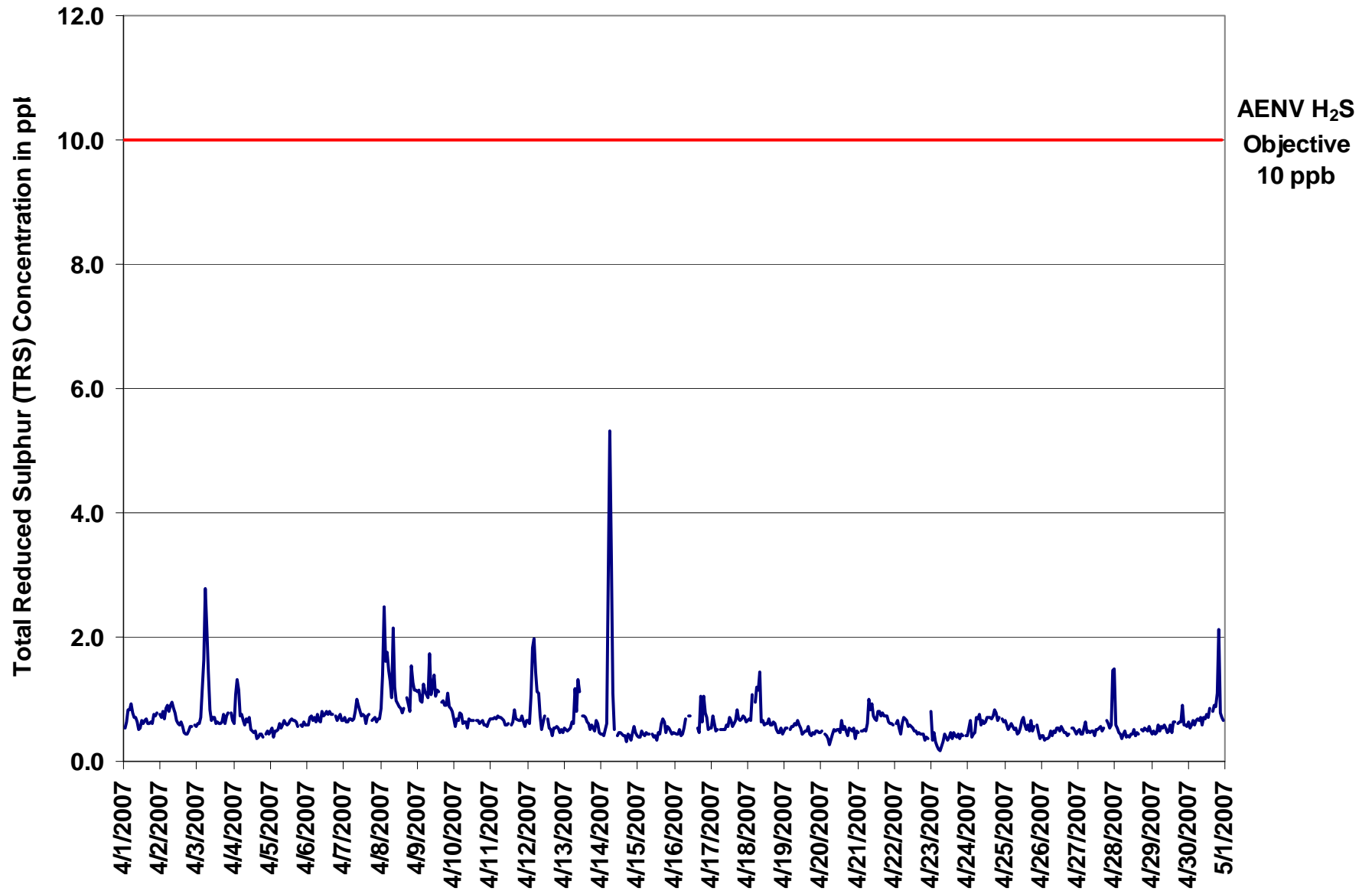


Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

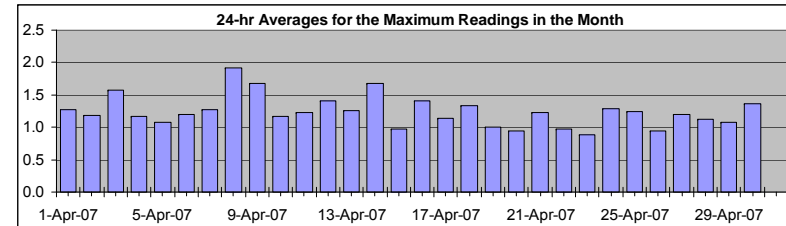
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	7.5	ppb	14-Apr	6:00 7:00
Maximum 24-hr Value:	1.9	ppb	8-Apr	

AIC Time:	33 hrs	Operational Time:	684 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.8	2.1	1.3	1.1	1.0	0.8	0.7	1.2 ppb	1.1 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	A	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1.3	2.0
2-Apr-07	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.2	1.6
3-Apr-07	1	1	1	1	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.6	3.9	
4-Apr-07	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1.2	2.1	
5-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1.1	1.3	
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1.2	1.3	
7-Apr-07	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1	1	1	1	1	1.3	1.5	
8-Apr-07	2	2	3	2	2	2	2	2	3	2	2	1	1	1	1	A	2	2	1	3	2	2	2	1.9	3.3	
9-Apr-07	2	2	1	2	2	2	2	2	2	2	2	2	2	2	A	1	2	1	1	2	1	1	1	1.7	2.5	
10-Apr-07	1	1	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1.2	1.5	
11-Apr-07	1	1	1	1	1	1	1	2	1	1	1	1	1	A	1	1	1	1	2	1	1	1	1	1.2	1.8	
12-Apr-07	1	1	3	3	3	2	2	2	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1.4	2.8	
13-Apr-07	1	1	1	1	1	1	1	3	1	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1.3	2.7	
14-Apr-07	1	1	1	1	2	5	8	4	3	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1.7	7.5	
15-Apr-07	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3	
16-Apr-07	1	1	1	1	1	1	1	2	A	1	1	C	C	C	A	1	1	3	3	3	2	1	1	1.4	3.2	
17-Apr-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.5	
18-Apr-07	1	1	1	2	A	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	3.1	
19-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3	
20-Apr-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.3	
21-Apr-07	1	A	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.6	
22-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.0	1.1	
23-Apr-07	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.6	
24-Apr-07	1	1	2	1	1	1	2	2	2	1	1	1	1	1	1	1	2	1	1	1	A	1	1	1.3	2.1	
25-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	A	1	1	1	1.2	3.4	
26-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1.0	1.2	
27-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	5	1.2	4.5	
28-Apr-07	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.1	5.0	
29-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	2	1	1	1.1	2.4	
30-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	1	1	2	2	4	1	1	1.4	4.5	
Hourly Avg	1.3	1.2	1.3	1.2	1.3	1.4	1.5	1.5	1.4	1.2	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.3	1.2	1.3	1.3	1.1	1.1	1.2		
Hourly Max	5.0	2.1	3.3	2.8	3.9	5.0	7.5	4.5	3.2	2.1	1.9	2.1	1.5	1.9	2.2	1.4	2.0	3.2	3.1	3.4	4.5	1.7	2.0	4.5		

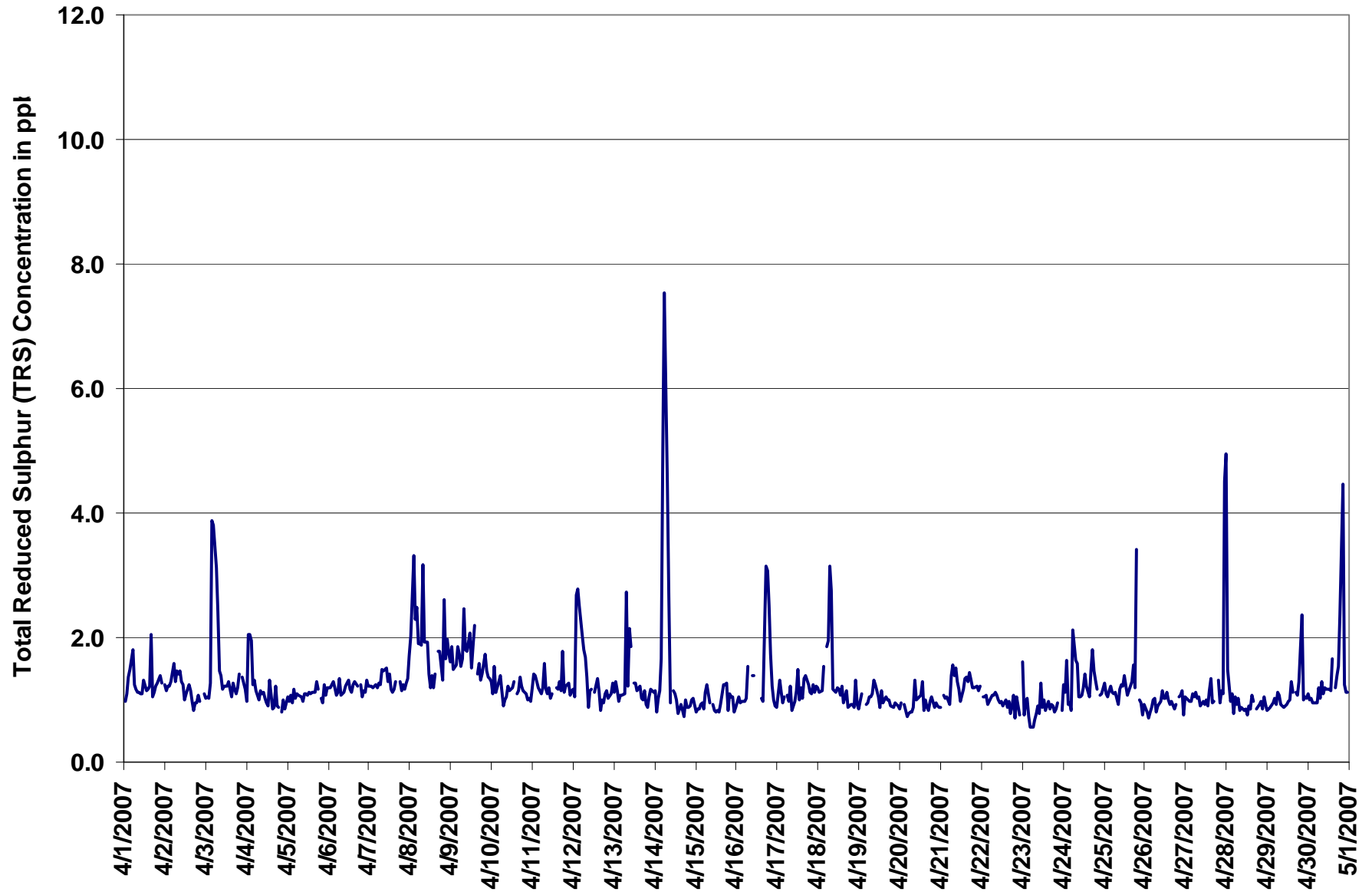
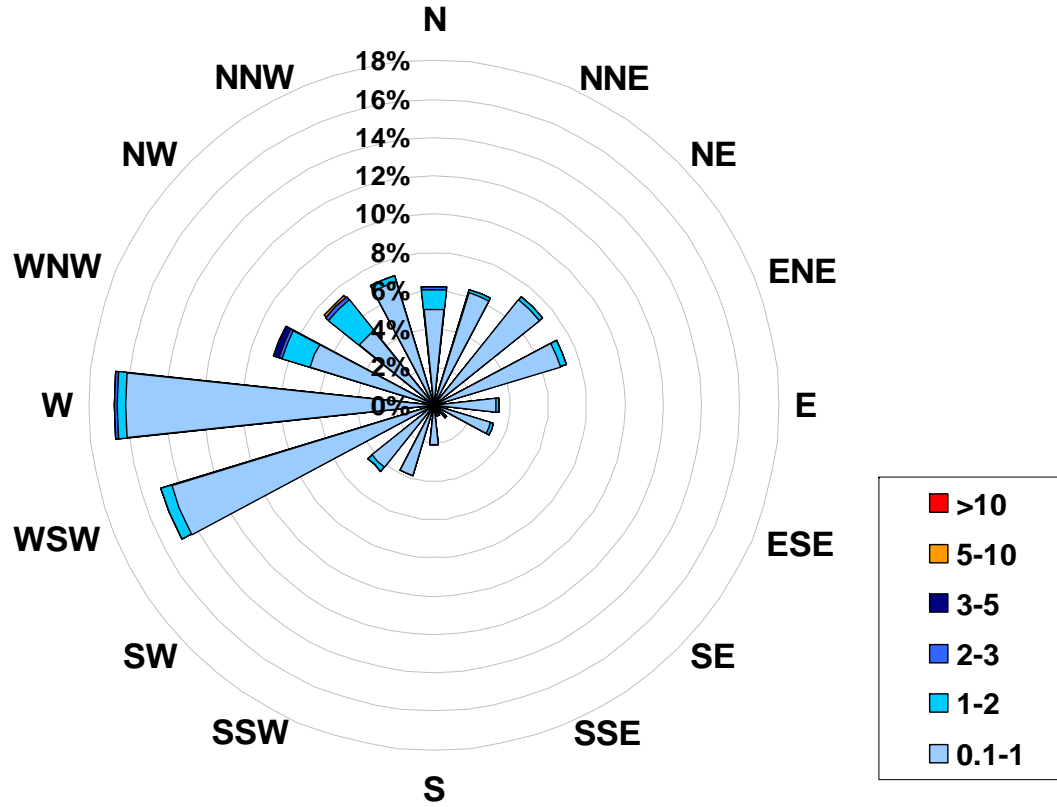


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Evergreen Park Site for April 2007**



Calms:	0%
---------------	-----------

Frequency Distribution of TRS in ppb			
Range		Frequency (hrs)	
0.1	< 1	625	
1	to 2	51	
2	to 3	5	
3	to 5	2	
5	to 10	1	
	> 10	0	
Total Non-Zero Values		684	

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

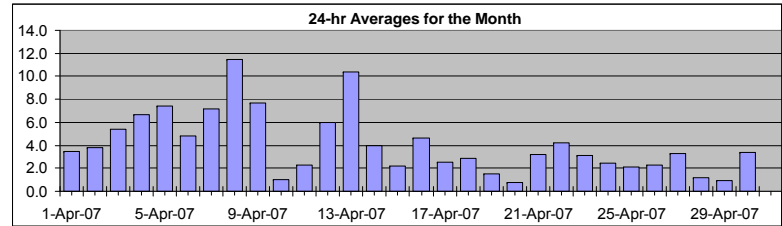
Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	31.3 µg/m ³ 13-Apr 13:00 14:00
Maximum 24-hr Value:	11.5 µg/m ³ 8-Apr

AIC Time:	0 hrs	Operational Time:	715 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.6%
Percentile	99	95	75
	16.7	10.4	5.7
	5.0	3.2	1.4
	25	5	1
	0.0	0.0	0.0
	Average / Median		4.1
			3 µg/m ³
			3.3 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Apr-07	1	2	2	2	2	2	2	3	1	2	4	8	8	7	7	7	5	3	4	4	4	1	2	3	3.5	8.2
2-Apr-07	1	2	3	2	3	3	4	4	3	4	3	4	3	3	8	4	6	8	3	3	4	4	4	6	3.8	7.7
3-Apr-07	5	5	4	3	5	5	6	6	3	3	4	4	5	5	6	7	6	6	5	5	9	8	8	6	5.4	9.4
4-Apr-07	5	5	5	5	6	7	6	7	7	13	11	10	8	9	7	5	4	5	6	6	6	7	5	5	6.6	12.9
5-Apr-07	6	8	7	10	10	10	13	15	12	6	6	5	6	5	5	5	5	6	6	6	5	7	7	6	7.4	15.5
6-Apr-07	6	5	5	6	5	5	5	5	5	5	6	5	6	6	6	6	4	4	4	4	3	3	3	3	4.8	6.2
7-Apr-07	4	4	5	6	7	7	8	8	8	10	10	8	9	9	8	7	7	7	7	6	6	6	7	9	7.2	10.2
8-Apr-07	7	8	9	9	9	7	9	7	14	12	7	9	14	13	17	15	10	16	16	18	16	14	11	9	11.5	17.6
9-Apr-07	9	8	8	8	7	7	6	7	9	10	11	13	10	15	12	12	10	4	1	0	0	D	D	0	7.7	14.7
10-Apr-07	0	0	0	0	0	0	0	0	1	1	2	1	2	3	4	3	2	1	1	1	2	1	0	0	1.0	3.8
11-Apr-07	1	0	1	0	1	2	2	2	3	2	3	2	2	1	1	2	1	1	2	4	6	5	5	5	2.3	5.9
12-Apr-07	3	5	5	5	5	7	10	17	10	6	6	7	7	7	2	4	9	4	4	4	6	4	4	3	6.0	16.8
13-Apr-07	3	2	1	2	3	9	8	7	5	13	30	12	26	31	9	5	6	8	9	5	8	17	21	9	10.4	31.3
14-Apr-07	5	6	4	6	8	11	9	9	10	0	6	0	0	3	1	1	2	2	2	2	2	3	2	2	3.9	11.3
15-Apr-07	1	1	1	2	2	4	3	2	2	1	1	2	0	1	1	2	1	0	2	5	7	8	1	1	2.2	8.0
16-Apr-07	0	1	1	1	4	2	7	7	14	12	12	8	7	C	C	0	2	2	5	3	5	3	2	4	4.6	13.7
17-Apr-07	4	4	4	2	3	2	2	1	1	3	3	1	1	1	2	1	3	2	2	2	4	3	4	4	2.5	4.1
18-Apr-07	5	4	3	3	7	6	7	7	7	2	0	0	0	0	0	0	1	2	2	4	2	3	2	2	2.9	7.4
19-Apr-07	1	1	1	2	2	2	3	1	2	2	3	1	1	2	2	2	1	1	1	2	1	1	0	1	1.5	3.0
20-Apr-07	1	0	0	0	0	0	1	0	0	0	1	1	0	1	1	3	2	1	1	1	1	2	1	1	0.8	2.6
21-Apr-07	1	2	1	2	3	3	4	4	4	3	4	3	4	4	5	5	3	3	2	2	3	4	3	5	3.2	5.0
22-Apr-07	5	4	4	3	2	6	7	5	3	2	4	5	4	5	5	5	4	4	3	3	4	4	5	6	4.2	7.0
23-Apr-07	5	5	6	3	3	4	5	8	7	6	4	0	0	0	0	1	3	1	2	1	1	2	2	8	3.2	8.4
24-Apr-07	7	3	4	2	8	5	8	3	4	2	2	1	2	1	2	2	0	0	0	1	1	0	1	1	2.4	7.9
25-Apr-07	0	0	0	0	2	1	4	4	3	2	0	0	0	1	1	4	3	1	1	7	5	7	3	2	2.1	7.1
26-Apr-07	5	7	2	2	1	5	5	3	2	1	0	0	0	1	3	4	2	2	2	1	0	1	1	4	2.3	6.8
27-Apr-07	1	2	2	0	0	1	2	4	5	5	4	4	4	3	2	2	2	6	6	6	7	2	5	5	3.3	7.1
28-Apr-07	3	1	2	2	1	0	1	1	0	1	1	2	2	1	0	1	1	1	1	1	3	2	2	1	1.2	2.9
29-Apr-07	1	1	1	0	0	0	2	1	0	0	D	0	0	0	0	1	0	1	2	2	3	2	2	1	0.9	3.1
30-Apr-07	1	1	1	2	2	2	3	2	3	2	2	3	2	2	3	4	6	2	2	3	4	10	9	9	3.3	10.0
Hourly Avg	3.2	3.3	3.0	3.0	3.7	4.2	5.0	5.0	4.9	4.4	5.2	4.0	4.4	4.8	4.1	3.9	3.8	3.4	3.4	3.8	4.3	4.5	4.3	4.0		
Hourly Max	9.4	8.4	9.0	9.8	10.0	11.3	13.1	16.8	13.7	12.9	30.4	12.8	26.0	31.3	17.3	15.5	10.5	16.1	16.1	17.6	15.7	17.3	21.3	9.3		

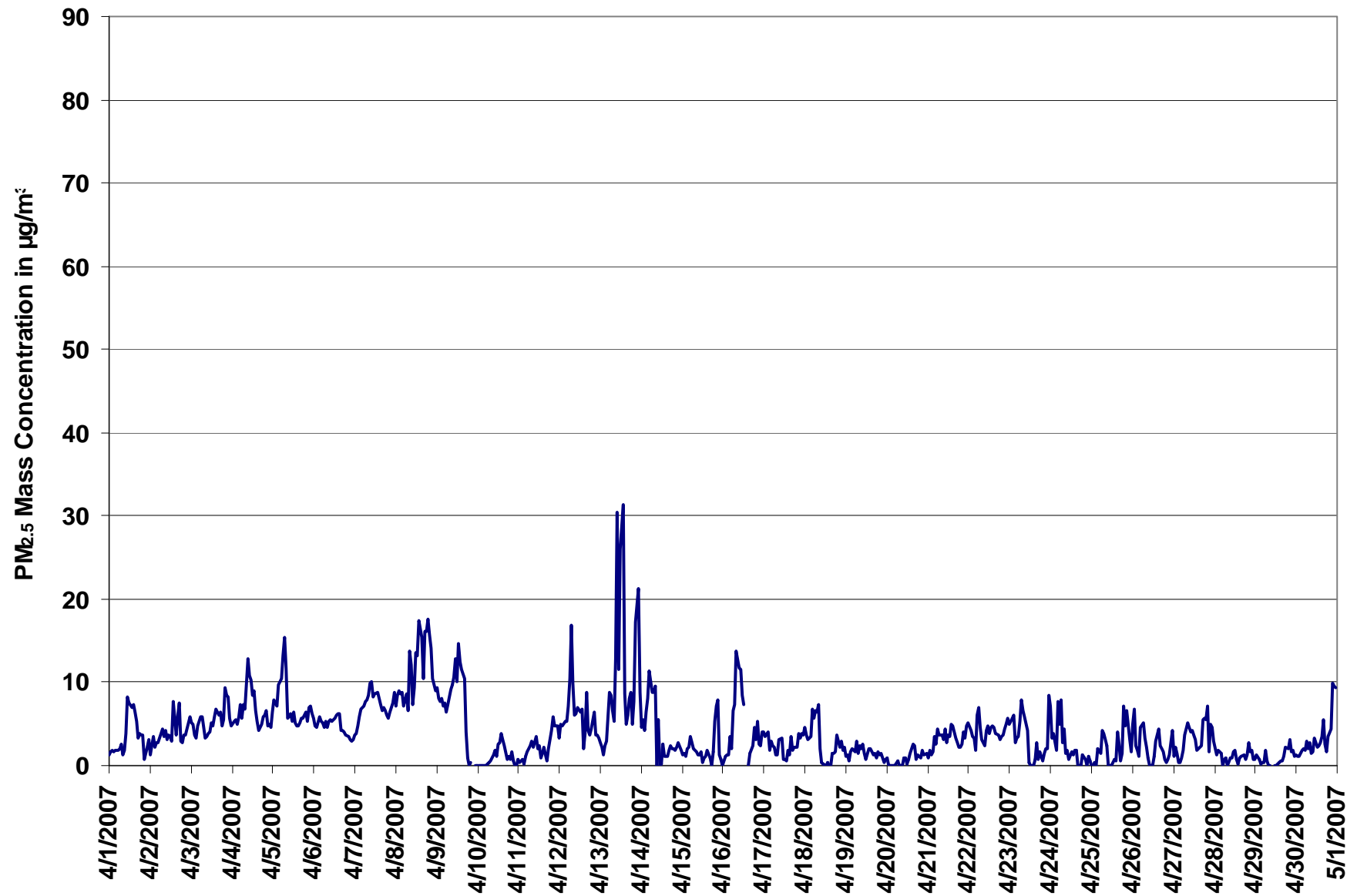


Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

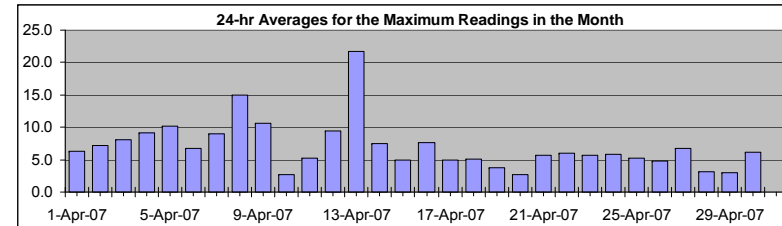
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	83.6	µg/m ³	13-Apr	12:00 13:00
Maximum 24-hr Value:	21.7	µg/m ³	13-Apr	



AIC Time:	0 hrs	Operational Time:	715 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	99.6%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	24.9	15.6	8.7	5.7	3.6	1.7	0.5	7.0	6.2 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	4	4	4	4	4	4	4	5	4	4	10	12	11	9	10	8	8	6	9	7	5	3	4	5	6.2	12.2
2-Apr-07	4	5	6	5	5	6	7	7	6	8	5	7	7	5	17	9	12	12	6	5	6	6	7	10	7.1	16.6
3-Apr-07	8	8	6	6	7	8	9	8	6	6	7	7	8	7	8	10	9	9	6	8	13	10	11	8	8.1	13.2
4-Apr-07	7	8	8	7	8	10	9	9	10	16	14	13	12	12	10	7	7	7	8	8	9	7	7	7	9.1	16.4
5-Apr-07	8	10	9	14	15	13	17	19	17	8	8	10	10	7	7	7	8	8	8	8	10	10	9	10.2	19.2	
6-Apr-07	10	7	7	9	7	7	6	7	7	8	7	7	7	8	8	8	7	6	5	5	6	5	4	5	6.7	9.5
7-Apr-07	5	6	6	8	8	9	9	10	11	13	12	11	11	10	10	10	9	9	8	7	7	8	9	12	9.0	12.8
8-Apr-07	9	10	12	11	12	10	11	10	19	15	14	12	18	17	20	18	13	25	19	21	20	16	16	12	15.0	24.8
9-Apr-07	12	11	10	10	11	12	9	13	12	11	17	16	12	18	15	14	14	7	3	1	6	D	D	0	10.6	18.1
10-Apr-07	0	0	1	2	0	1	2	2	2	4	4	3	5	5	7	6	5	3	3	4	3	2	1	2	2.7	6.5
11-Apr-07	2	2	2	2	4	3	4	5	5	5	8	4	4	5	4	5	5	4	6	6	11	10	12	7	5.2	11.7
12-Apr-07	5	11	6	7	7	10	14	24	16	11	9	9	9	10	6	6	12	9	6	8	15	6	5	6	9.5	23.8
13-Apr-07	5	4	3	4	9	12	12	9	8	39	50	73	84	49	18	10	11	12	16	8	10	29	30	17	21.7	83.6
14-Apr-07	12	10	7	13	12	14	12	12	16	7	10	2	4	6	5	4	5	5	4	3	4	4	6	3	7.5	15.7
15-Apr-07	3	4	2	4	4	5	5	4	3	3	4	5	2	3	4	3	3	2	4	9	16	13	6	3	4.9	15.9
16-Apr-07	2	3	4	3	5	5	12	15	18	15	16	11	9	C	C	2	3	4	10	6	10	4	5	6	7.6	17.5
17-Apr-07	6	7	7	5	5	6	5	5	4	5	5	3	2	2	4	4	5	5	3	3	6	5	7	7	4.9	7.4
18-Apr-07	7	6	7	6	10	10	10	9	9	6	2	1	2	2	0	0	5	5	3	7	3	4	3	4	5.1	10.0
19-Apr-07	4	2	3	3	4	4	5	4	4	4	5	3	4	5	5	4	3	2	3	4	4	5	3	3	3.8	5.5
20-Apr-07	4	2	2	1	2	1	2	2	2	1	3	3	2	2	4	4	5	3	2	3	3	4	4	4	2.7	4.7
21-Apr-07	3	5	5	5	6	5	7	5	5	5	8	5	9	8	9	7	5	4	4	3	4	6	5	6	5.6	8.8
22-Apr-07	7	7	6	6	4	10	9	8	6	4	6	6	6	6	6	6	5	6	4	4	5	5	6	8	6.1	9.5
23-Apr-07	6	6	8	5	6	7	13	13	8	7	6	3	1	2	2	3	7	2	3	3	3	5	7	10	5.6	12.7
24-Apr-07	10	6	5	4	23	18	13	6	7	4	4	2	3	3	3	5	3	3	3	3	2	3	4	2	5.8	23.5
25-Apr-07	2	1	3	3	6	3	7	8	5	4	2	3	2	2	4	8	7	2	4	25	6	9	7	3	5.2	24.9
26-Apr-07	10	10	6	5	3	11	10	8	4	3	1	1	0	3	6	7	4	4	3	2	2	3	3	8	4.8	10.6
27-Apr-07	12	5	3	2	2	2	4	7	8	7	6	7	9	8	5	4	5	11	10	11	14	5	8	8	6.7	14.0
28-Apr-07	7	4	3	4	5	1	3	4	3	3	2	3	3	3	2	2	2	3	2	3	4	4	3	2	3.1	6.6
29-Apr-07	3	4	2	4	2	3	5	5	2	1	D	0	1	2	5	4	3	3	4	3	5	4	3	2	3.0	5.1
30-Apr-07	3	4	3	5	4	4	5	5	5	2	4	6	4	7	6	7	12	6	4	5	12	12	11	12	6.2	12.4
Hourly Avg	5.9	5.7	5.3	5.5	6.7	7.1	8.0	8.3	7.8	7.6	8.5	8.3	8.7	7.8	7.1	6.4	6.7	6.2	5.8	6.5	7.5	7.1	7.1	6.4		
Hourly Max	12.0	11.1	11.8	13.7	23.5	18.3	17.1	23.8	18.6	39.0	50.2	73.3	83.6	48.5	20.1	17.9	13.8	24.8	18.7	24.9	19.9	28.9	30.1	16.9		

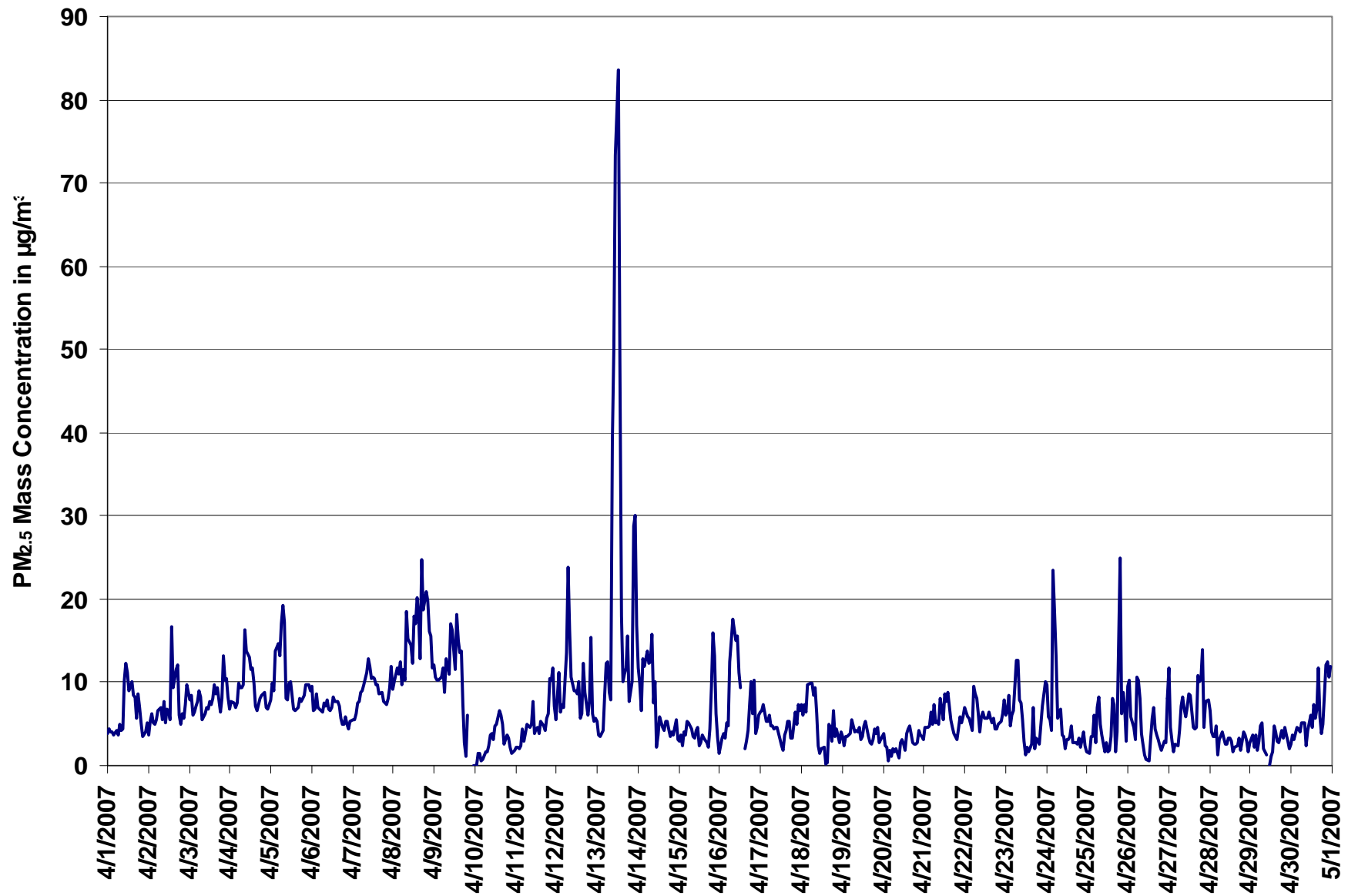
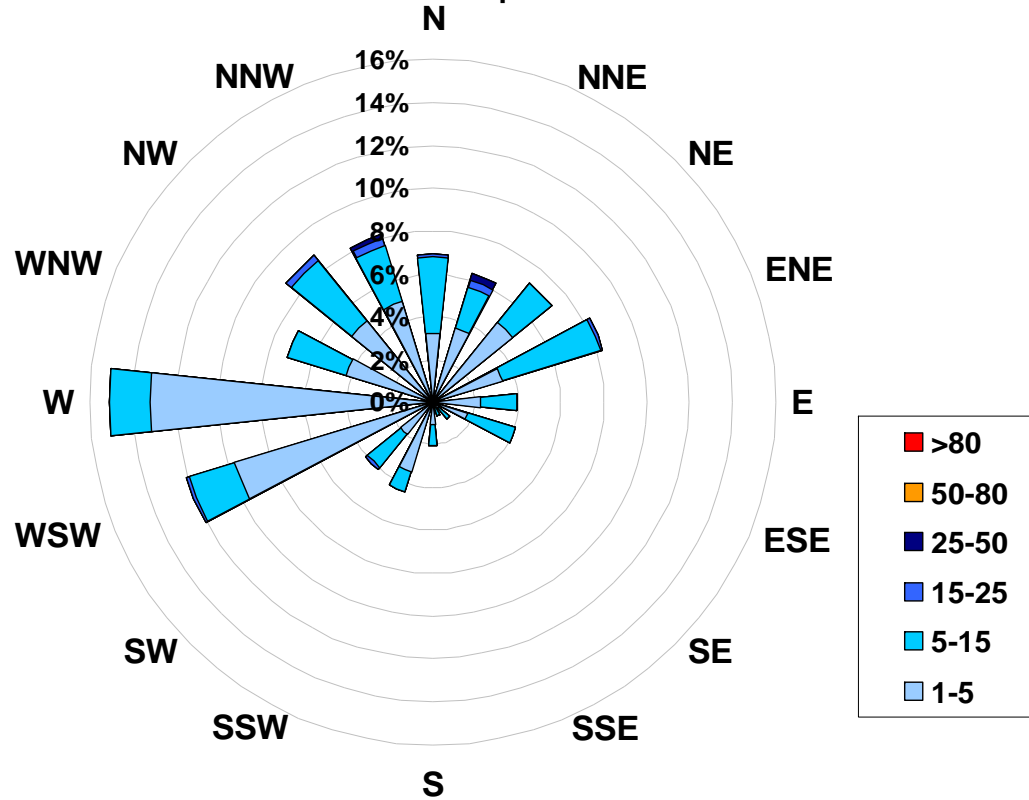


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Evergreen Park Site for April 2007



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			Frequency (hrs)
Range			
1.0	< 5		494
5	to 15		208
15	to 25		10
25	to 50		3
50	to 80		0
	> 80		0
Total Non-Zero Values			715

PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

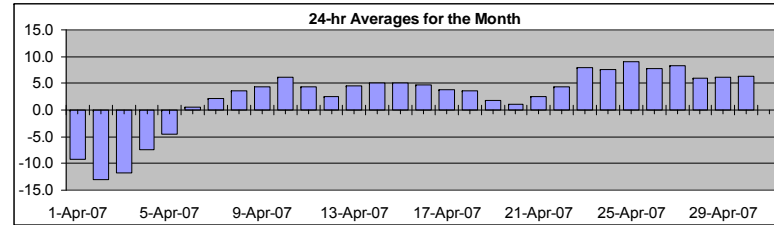
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	15.7	°C	23-Apr	15:00 16:00
Maximum 24-hr Value:	9.0	°C	25-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	13.8	11.5	7.3	3.6	-0.3	-12.0	-15.1	2.4 °C	3.6 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	-9	-9	-10	-10	-10	-10	-10	-10	-10	-10	-9	-9	-8	-7	-7	-7	-8	-8	-8	-8	-9	-10	-11	-12	-9.1	-7.2	
2-Apr-07	-13	-13	-13	-14	-14	-15	-15	-15	-15	-14	-13	-12	-12	-11	-11	-10	-10	-10	-11	-13	-13	-14	-14	-14	-12.9	-9.9	
3-Apr-07	-14	-14	-15	-16	-18	-17	-17	-16	-14	-13	-11	-10	-10	-9	-7	-7	-7	-7	-8	-10	-11	-10	-11	-11	-11.8	-7.0	
4-Apr-07	-11	-11	-11	-11	-12	-13	-13	-12	-9	-8	-7	-6	-5	-4	-3	-2	-2	-2	-3	-4	-5	-7	-8	-9	-7.4	-1.6	
5-Apr-07	-10	-11	-12	-13	-13	-13	-13	-12	-8	-4	-2	0	1	2	2	3	2	2	1	-1	-2	-3	-3	-3	-4.6	2.6	
6-Apr-07	-4	-4	-5	-5	-5	-5	-5	-3	-1	1	2	4	5	5	5	5	6	6	5	3	2	1	0	-1	0.6	6.4	
7-Apr-07	-2	-2	-1	-1	-1	-1	-1	-1	0	2	3	4	6	6	7	7	8	7	6	4	2	1	-1	-2	2.1	7.7	
8-Apr-07	-3	-3	-3	-3	-2	-2	-2	1	3	4	6	8	9	9	10	10	11	8	7	5	5	4	3	2	3.7	10.8	
9-Apr-07	1	0	0	2	2	2	2	1	2	4	5	6	8	8	7	5	5	6	7	7	6	5	5	6	6	4.4	8.4
10-Apr-07	6	6	6	5	5	5	4	5	5	5	6	7	8	8	8	8	8	8	8	7	6	6	5	5	6.2	8.5	
11-Apr-07	4	3	2	2	2	1	-1	2	4	5	6	7	8	8	9	9	10	10	10	7	1	-1	-2	-3	4.3	9.9	
12-Apr-07	-4	-4	-5	-5	-6	-6	-6	-2	1	4	7	8	8	10	11	11	11	11	10	7	3	1	-1	-2	2.6	11.4	
13-Apr-07	-3	-3	-3	-3	-3	-3	-2	0	3	6	7	10	11	11	11	12	12	11	11	9	6	4	3	2	4.6	12.2	
14-Apr-07	2	2	1	0	0	0	1	3	5	6	7	8	8	9	9	9	9	9	9	7	6	5	5	4	5.1	9.1	
15-Apr-07	3	3	3	2	2	2	2	4	5	6	7	8	8	9	9	9	9	9	8	6	2	0	2	5	5.0	8.8	
16-Apr-07	5	5	4	4	4	3	3	3	4	6	8	7	7	8	9	8	7	5	4	3	3	2	1	0	4.7	9.0	
17-Apr-07	0	0	0	0	0	2	3	5	5	6	7	7	8	8	9	7	7	7	7	5	3	0	-1	-1	3.7	8.8	
18-Apr-07	0	0	-1	-1	-2	-1	0	1	2	4	5	6	7	7	8	8	8	7	7	6	4	4	4	3	3.6	8.3	
19-Apr-07	2	2	2	2	2	1	1	2	2	2	2	3	3	3	3	3	2	2	2	1	1	0	0	0	1.8	3.3	
20-Apr-07	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	3	3	2	2	1	0	0	0	1.1	2.8	
21-Apr-07	0	0	0	0	0	0	0	1	2	4	5	5	6	6	6	6	6	6	5	4	1	0	-2	-1	2.5	6.4	
22-Apr-07	0	0	0	0	-1	-1	0	1	4	5	5	6	7	8	8	9	9	9	9	6	5	5	4	4	4.3	9.1	
23-Apr-07	4	3	3	2	1	-1	0	4	6	9	11	12	13	14	15	16	16	14	14	12	9	6	5	5	8.0	15.7	
24-Apr-07	4	5	4	4	5	5	6	6	8	9	10	10	10	10	10	9	9	10	9	8	8	8	7	6	7.5	10.4	
25-Apr-07	5	5	5	4	4	4	5	6	7	9	10	11	12	13	14	14	14	14	13	12	10	8	8	6	9.0	13.8	
26-Apr-07	4	1	0	0	1	1	3	5	6	9	11	12	12	12	12	12	13	12	12	11	10	9	8	7	7.7	12.9	
27-Apr-07	8	6	5	6	5	4	5	6	7	8	8	10	11	12	13	13	13	13	12	11	8	6	6	4	8.2	13.2	
28-Apr-07	3	3	2	2	2	2	3	4	5	6	7	8	8	9	10	10	10	10	10	9	7	6	5	4	6.0	10.2	
29-Apr-07	3	2	0	0	0	0	1	3	5	6	9	10	10	11	11	11	11	11	11	10	10	7	6	5	5	6.1	11.4
30-Apr-07	4	3	1	0	-1	1	3	5	7	8	10	10	11	11	12	12	11	11	11	12	11	8	4	1	0	6.4	11.9
Hourly Avg	-0.4	-0.9	-1.4	-1.6	-1.8	-1.9	-1.5	-0.1	1.5	2.8	4.1	5.1	5.8	6.3	6.6	6.8	6.8	6.5	5.9	4.5	2.7	1.6	0.9	0.4			
Hourly Max	7.6	6.0	5.6	5.5	5.5	5.0	5.9	6.2	7.6	9.1	11.5	11.9	13.0	14.0	14.7	15.7	15.5	14.4	14.1	12.1	9.8	8.8	8.1	7.3			

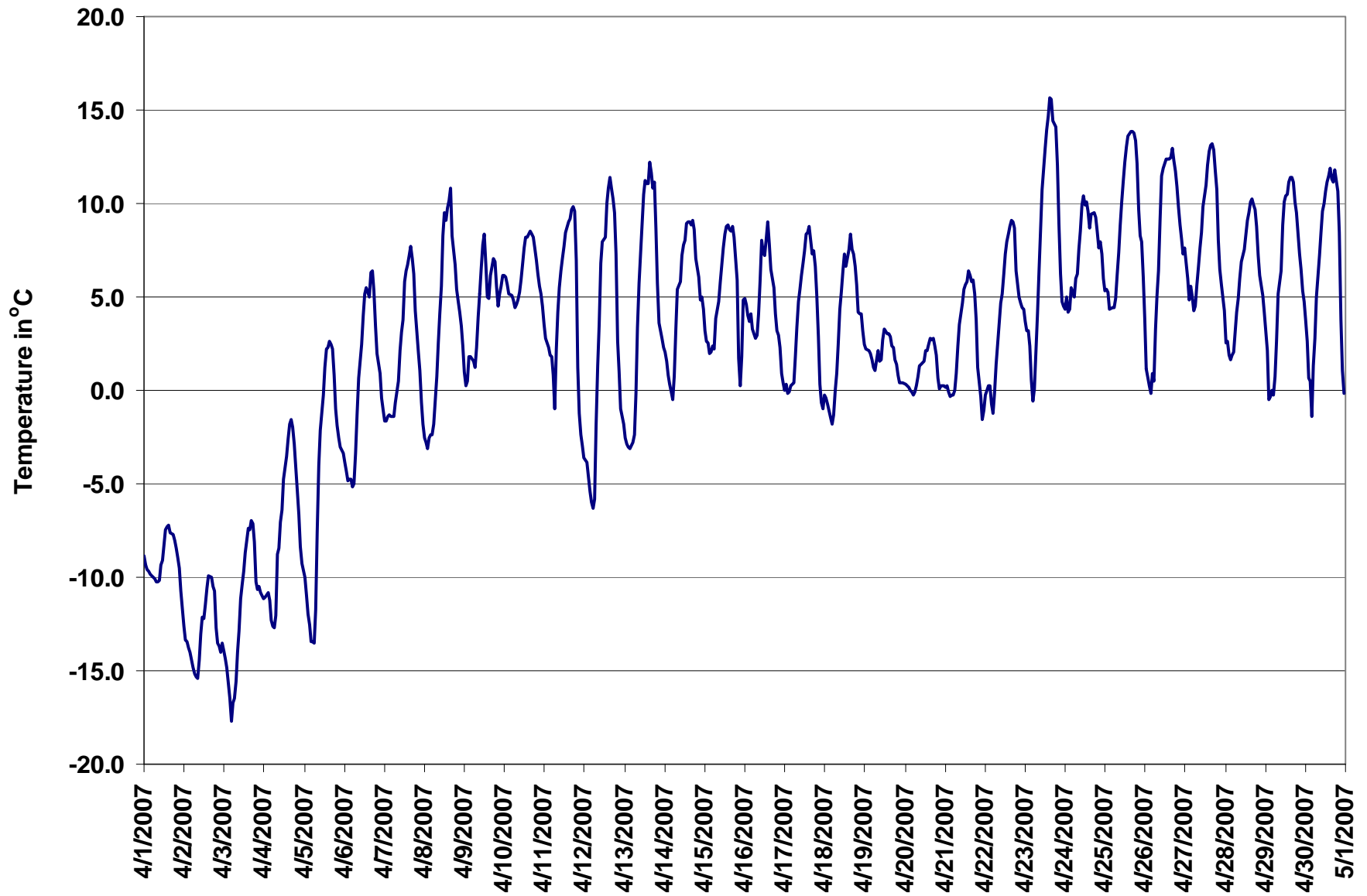


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

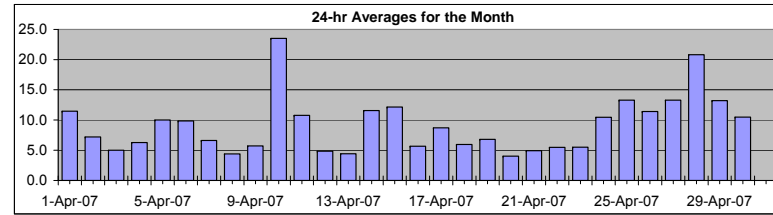
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	32.7	km/hr	28-Apr	11:00 12:00
Maximum 24-hr Value:	23.5	km/hr	10-Apr	

Calm Time:	0 hrs	0% calms	Operational Time:	714 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.2%				
Percentile	99	95	75	50	25	5	1	AverageS
	28.9	19.9	12.3	7.4	4.5	2.6	2.1	9.2 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																								24-hr Scalar Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	14	10	10	12	11	12	12	12	16	17	17	16	14	14	14	14	13	9	5	5	8	7	8	7	11.5	17.2	
2-Apr-07	8	9	7	10	9	10	10	8	9	8	6	6	7	7	8	8	6	7	7	5	5	5	3	2	7.2	10.3	
3-Apr-07	2	3	2	2	4	3	4	5	7	6	7	7	6	6	5	6	7	7	6	4	5	5	6	5	5.0	7.0	
4-Apr-07	5	4	3	3	4	4	3	4	3	7	5	7	9	9	9	9	10	9	7	6	7	7	7	7	6.3	9.8	
5-Apr-07	7	7	7	6	7	7	6	6	6	8	12	11	10	13	15	14	14	13	13	12	12	11	11	11	10.0	14.9	
6-Apr-07	11	10	9	9	8	8	9	8	9	11	10	9	11	11	11	12	12	12	11	10	11	8	8	8	9.9	11.8	
7-Apr-07	7	6	6	5	5	4	4	3	5	4	6	8	9	11	12	12	10	10	9	7	6	4	3	3	6.6	12.2	
8-Apr-07	3	3	2	3	3	3	3	2	4	5	5	5	7	7	6	6	6	6	3	4	4	4	5	3	4.4	7.2	
9-Apr-07	3	3	4	4	5	4	4	5	5	5	6	7	5	5	8	6	4	5	5	3	4	4	10	13	14	5.7	14.2
10-Apr-07	17	23	25	22	22	24	23	25	29	29	30	30	27	28	31	23	23	20	19	19	20	19	20	17	23.5	31.2	
11-Apr-07	16	15	13	10	11	8	5	7	10	18	21	20	18	15	14	14	11	9	7	4	3	3	3	3	10.8	20.6	
12-Apr-07	3	3	2	2	3	3	3	3	7	6	5	6	5	4	5	6	11	11	9	4	5	5	3	3	4.8	11.4	
13-Apr-07	3	3	2	3	3	3	3	3	3	4	5	6	7	8	8	8	8	6	6	3	3	3	3	3	4.4	8.3	
14-Apr-07	3	3	3	3	3	3	4	4	15	18	16	17	17	14	17	17	19	19	17	14	15	10	14	12	11.6	18.8	
15-Apr-07	8	10	9	10	13	16	11	14	17	18	18	17	16	16	18	18	16	11	9	6	3	4	6	7	12.2	18.4	
16-Apr-07	8	6	6	7	7	6	4	3	3	4	7	6	5	7	9	8	8	7	9	5	4	3	3	3	5.7	9.3	
17-Apr-07	3	3	5	3	1	4	12	14	16	17	14	12	11	11	13	14	13	11	9	8	5	4	3	3	8.7	17.0	
18-Apr-07	3	2	2	2	3	3	2	2	3	5	6	9	10	10	11	13	12	11	8	6	4	5	4	5	6.0	13.3	
19-Apr-07	5	3	4	4	4	3	3	6	8	7	7	10	13	11	11	11	9	7	6	6	5	5	6	6	6.8	13.2	
20-Apr-07	4	5	N	N	N	N	N	N	4	3	3	4	5	6	5	4	4	6	5	3	2	2	3	2	4.0	6.0	
21-Apr-07	2	3	2	3	3	3	2	2	3	5	6	7	7	7	7	9	9	10	10	7	5	3	2	2	4.9	9.7	
22-Apr-07	3	3	4	2	3	2	2	3	4	6	7	8	8	9	9	9	8	7	7	5	5	4	4	6	5.5	9.3	
23-Apr-07	4	3	6	4	3	3	3	4	5	4	6	8	9	9	9	6	8	9	9	7	4	3	4	4	5.5	9.4	
24-Apr-07	4	4	3	5	5	4	7	7	6	9	9	10	11	13	16	10	14	15	16	14	14	19	21	14	10.4	20.8	
25-Apr-07	14	18	19	17	18	17	12	13	14	12	14	14	13	15	14	14	14	12	14	11	6	7	10	9	13.3	18.9	
26-Apr-07	6	2	4	5	6	5	6	7	6	13	19	17	16	17	13	11	15	15	20	18	14	11	13	15	11.4	19.9	
27-Apr-07	20	10	10	18	18	15	14	18	19	19	24	19	14	12	7	7	6	5	5	13	19	9	10	9	13.3	23.6	
28-Apr-07	11	10	11	12	16	16	15	19	27	29	30	33	30	27	28	27	28	27	25	25	18	15	11	11	20.8	32.7	
29-Apr-07	9	10	4	9	9	6	5	8	12	15	16	19	18	18	19	20	21	22	17	15	10	12	10	12	13.2	21.9	
30-Apr-07	10	9	6	6	4	11	11	14	16	19	17	19	17	15	13	13	13	9	7	9	5	2	2	2	10.5	19.2	
1-hr Average	7.3	6.8	6.6	6.9	7.2	7.2	7.0	8.0	9.7	11.0	11.8	12.3	11.9	11.8	12.2	11.7	11.7	10.9	10.0	8.7	7.6	7.0	7.3	7.0			
Hourly Max	19.9	22.7	24.5	21.7	21.9	24.5	23.3	25.3	29.0	29.0	30.2	32.7	29.8	27.5	31.2	27.2	28.0	27.4	24.7	24.6	19.8	18.9	20.8	17.1			

PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

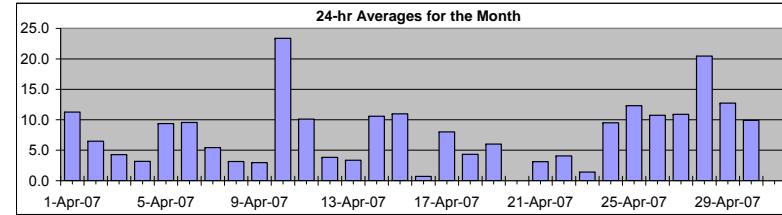
Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	32.4	km/hr	28-Apr	11:00 12:00
Maximum 24-hr Value:	23.4	km/hr	10-Apr	

Calm Time:	11 hrs	2% calms	Operational Time:	703 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.2%				
Percentile	99	95	75	50	25	5	1	AverageV
	28.8	19.8	12.0	7.2	3.8	1.6	1.0	19.1 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
1-Apr-07	14	9	10	11	11	12	12	12	16	17	17	15	13	13	13	13	12	8	2	4	8	7	8	7	11.2	16.9
2-Apr-07	8	9	7	10	9	10	10	8	9	8	5	5	7	6	7	7	5	6	7	5	5	2	1	6.5	10.2	
3-Apr-07	1	1	1	2	4	3	4	5	6	6	6	5	5	4	1	5	6	6	6	4	4	5	6	5	4.3	6.4
4-Apr-07	5	4	3	3	4	4	3	4	3	7	4	7	9	8	9	8	9	9	7	6	7	7	7	7	3.2	9.3
5-Apr-07	7	7	7	6	7	7	6	6	6	8	11	10	9	12	14	13	13	12	13	12	12	11	11	11	9.4	13.9
6-Apr-07	11	10	9	9	8	8	8	8	8	9	10	9	9	10	10	10	12	11	11	11	10	10	8	7	9.5	11.5
7-Apr-07	6	6	6	5	4	4	4	3	4	3	4	7	9	11	12	12	10	10	9	7	6	4	2	3	5.5	12.0
8-Apr-07	3	2	2	1	1	2	calm	2	4	5	4	4	7	7	5	6	5	5	3	2	3	3	1	2	3.1	6.7
9-Apr-07	calm	3	4	3	3	1	1	2	4	4	5	7	5	5	8	6	3	5	5	1	3	10	13	14	3.0	14.1
10-Apr-07	17	23	24	22	22	24	23	25	29	29	30	30	27	27	31	22	23	20	19	19	20	19	20	17	23.4	31.0
11-Apr-07	15	15	13	10	11	8	4	6	10	18	20	20	17	15	14	14	11	8	7	4	2	3	calm	3	10.1	20.5
12-Apr-07	3	2	2	2	2	2	2	2	7	5	4	5	5	3	3	6	10	11	8	4	5	5	3	1	3.8	11.2
13-Apr-07	2	2	2	2	2	2	1	calm	1	3	5	3	6	8	8	8	6	6	3	2	2	1	1	1	3.4	8.0
14-Apr-07	calm	2	2	2	2	2	calm	3	15	18	15	17	17	14	17	17	19	19	17	14	15	10	14	12	10.6	18.6
15-Apr-07	8	10	9	10	13	16	11	14	16	18	18	17	16	16	18	18	15	10	8	6	2	4	6	7	11.0	18.1
16-Apr-07	8	6	6	7	6	6	3	2	1	2	6	5	5	6	9	7	7	7	8	1	2	3	1	3	0.7	8.8
17-Apr-07	1	2	4	3	1	4	12	14	16	17	14	12	11	10	13	12	12	10	7	8	3	2	2	3	8.0	16.8
18-Apr-07	2	2	2	1	3	2	2	2	2	4	5	8	10	10	11	13	12	10	8	6	4	5	4	4	4.3	12.9
19-Apr-07	5	3	3	4	4	3	3	6	8	7	7	10	13	10	10	11	9	7	6	5	5	5	6	6	6.0	12.9
20-Apr-07	4	5	N	N	N	N	N	N	4	3	3	3	3	6	3	4	4	6	5	3	2	2	3	calm	N	5.7
21-Apr-07	1	3	1	3	2	3	calm	1	2	3	4	6	6	6	6	9	9	9	9	6	5	3	2	calm	3.1	9.4
22-Apr-07	3	3	calm	2	2	1	1	3	1	5	6	7	7	8	8	8	8	7	7	5	5	4	4	5	4.1	8.4
23-Apr-07	4	2	5	3	1	2	2	2	5	3	4	7	7	8	7	2	7	9	9	7	4	3	3	3	1.4	9.1
24-Apr-07	3	4	2	2	4	4	6	3	4	9	8	10	11	12	16	9	14	14	16	13	14	18	21	14	9.5	20.7
25-Apr-07	14	18	19	16	17	17	11	13	13	11	13	12	13	13	13	14	13	11	13	11	6	7	10	8	12.3	18.8
26-Apr-07	6	1	3	4	6	5	6	7	6	12	18	16	15	17	13	11	15	15	20	18	14	11	12	15	10.8	19.6
27-Apr-07	19	10	10	17	18	15	14	17	19	19	23	18	13	10	4	3	3	4	5	11	19	8	7	9	10.9	23.2
28-Apr-07	11	9	11	12	15	16	14	19	27	28	30	32	29	27	28	27	28	27	24	24	18	15	11	11	20.5	32.4
29-Apr-07	9	10	2	9	9	4	4	8	12	15	16	19	18	17	18	20	21	22	17	14	10	12	10	12	12.7	21.6
30-Apr-07	10	9	6	6	4	11	11	14	16	18	17	18	16	14	12	12	13	8	6	9	5	2	calm	1	9.9	18.4
1-hr Vector	3.2	3.3	2.9	3.6	4.2	3.8	3.7	4.9	6.5	7.1	8.0	7.6	6.3	6.4	6.5	5.6	4.9	4.1	3.3	2.9	2.7	2.8	3.2	3.3		
Hourly Max	19.5	22.6	24.4	21.6	21.8	24.4	23.2	25.2	28.8	28.8	29.8	32.4	29.4	27.3	31.0	26.7	27.6	27.0	24.4	24.4	19.8	18.8	20.7	17.0		

PASZA - Evergreen Park - Wind Direction Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	356.2	345.2	283.7	250.2	92.4	22.2	3.8	282 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																								24-hour Average	WD Sector
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
1-Apr-07	344	322	312	320	319	324	321	326	335	336	331	325	316	316	313	318	330	323	307	321	344	2	338	349	327	NNW
2-Apr-07	352	345	342	340	337	336	334	327	317	325	359	345	349	5	10	21	15	3	47	44	44	37	46	334	354	N
3-Apr-07	237	10	30	297	306	304	301	307	322	332	342	346	2	315	321	356	20	20	38	27	341	331	336	346	342	NNW
4-Apr-07	335	320	296	268	257	242	212	219	256	225	342	22	50	45	47	43	58	67	63	64	66	69	69	72	43	NE
5-Apr-07	74	76	77	76	77	78	77	75	70	88	115	108	101	131	133	121	119	114	133	123	108	103	105	105	106	ESE
6-Apr-07	104	103	99	100	99	94	93	100	110	126	118	123	104	95	63	63	92	104	104	102	103	93	98	99	99	E
7-Apr-07	95	90	99	96	83	77	61	55	146	140	351	1	46	53	54	52	63	54	63	60	67	60	347	295	61	ENE
8-Apr-07	291	298	324	294	250	44	89	297	351	356	302	281	344	354	23	17	14	316	340	4	306	258	62	12	341	NNW
9-Apr-07	306	39	61	233	351	148	104	354	5	1	306	281	354	306	292	270	206	196	191	345	243	254	257	262	282	WNW
10-Apr-07	259	262	267	265	265	265	262	261	265	269	267	270	267	268	262	269	262	259	257	253	248	250	253	249	262	W
11-Apr-07	249	248	255	250	246	249	225	249	263	269	268	272	274	280	279	281	301	301	273	267	183	313	288	201	266	W
12-Apr-07	203	302	291	320	228	310	291	248	263	273	332	354	359	283	305	270	272	275	276	275	218	213	211	285	277	W
13-Apr-07	43	70	2	28	337	337	310	71	343	340	345	249	18	32	29	27	30	32	39	57	354	231	346	13	15	NNE
14-Apr-07	162	169	80	349	356	285	315	301	281	271	256	253	270	277	281	279	279	266	263	269	268	258	261	250	270	W
15-Apr-07	248	247	244	247	250	251	247	265	271	269	274	280	288	279	282	282	284	296	289	265	177	188	183	186	266	W
16-Apr-07	186	188	180	179	189	194	200	306	347	348	304	23	61	52	47	35	6	308	273	318	252	327	102	221	308	NW
17-Apr-07	275	268	251	251	258	248	259	255	271	271	274	282	299	297	278	296	304	290	310	338	306	246	241	197	280	W
18-Apr-07	330	235	10	284	221	343	307	285	351	5	29	33	55	35	46	52	56	75	75	70	75	117	132	86	50	NE
19-Apr-07	70	36	319	324	352	14	22	47	60	44	40	29	38	21	22	31	31	29	24	1	343	319	329	343	21	NNE
20-Apr-07	342	354	16	30	45	38	32	10	46	68	26	28	360	297	7	79	61	53	45	72	31	91	119	203	33	NNE
21-Apr-07	240	211	42	59	199	195	218	217	259	343	356	22	32	44	45	56	52	57	66	65	46	37	340	348	42	NE
22-Apr-07	8	360	75	353	223	285	196	185	285	359	343	11	30	30	26	50	44	40	42	36	39	21	358	316	20	NNE
23-Apr-07	26	252	247	198	247	40	52	223	219	211	247	282	297	279	289	304	65	64	66	66	42	22	359	238	310	NW
24-Apr-07	262	269	223	224	243	17	228	303	297	336	277	275	276	281	277	250	278	278	267	256	251	256	257	245	268	W
25-Apr-07	239	243	247	233	251	255	263	259	260	274	283	300	299	293	291	287	296	299	288	277	259	269	269	228	269	W
26-Apr-07	210	186	208	205	199	208	200	197	211	224	241	229	228	244	254	262	241	247	258	250	245	244	244	271	239	WSW
27-Apr-07	252	251	241	252	240	250	261	284	282	272	256	261	281	306	325	304	237	74	58	191	219	201	216	307	258	WSW
28-Apr-07	286	251	238	247	241	246	255	251	252	260	264	266	264	272	271	269	270	271	267	264	263	247	242	241	261	W
29-Apr-07	237	232	253	235	225	237	262	230	244	266	267	253	265	265	272	280	271	263	278	280	261	247	246	246	259	W
30-Apr-07	247	237	255	256	265	248	251	251	257	260	271	270	285	274	286	271	280	305	313	292	281	227	223	191	268	W
Hourly Avg	267	261	262	259	255	265	265	270	276	281	283	287	304	301	306	311	309	307	299	286	264	255	258	259		N

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

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Determined by the Yamartino 15-min interval calculation

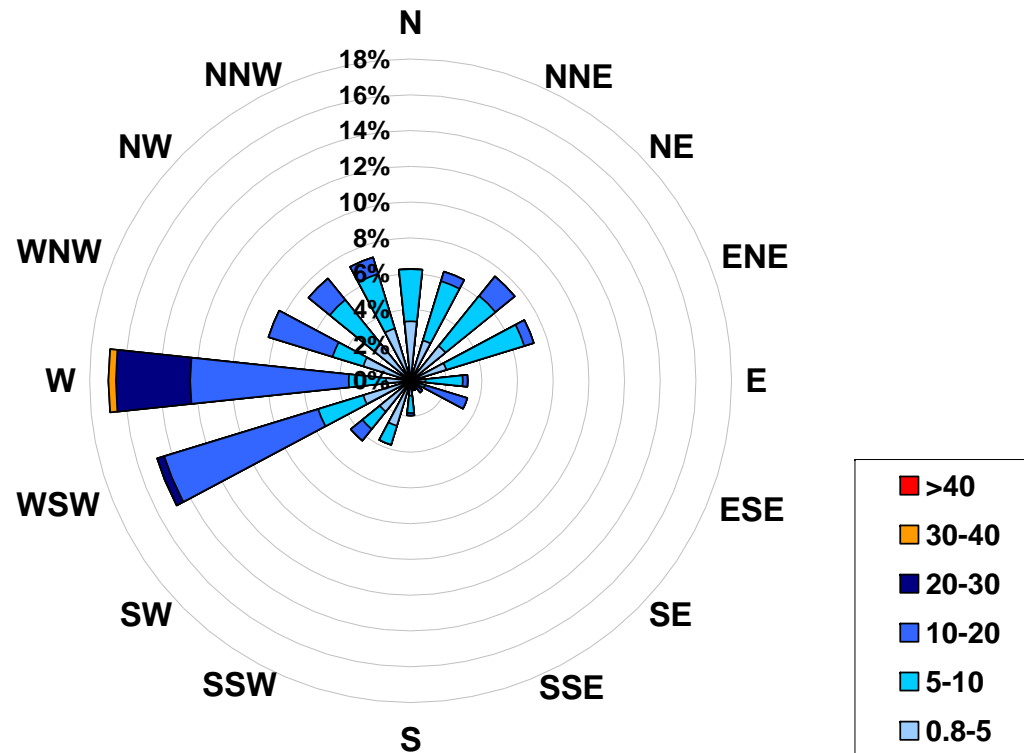
Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	65.4	45.9	25.5	14.7	9.4	5.1	4.1

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

Day	Mountain Standard Time																								Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	
1-Apr-07	10	14	13	13	13	12	12	12	9	9	14	15	18	17	21	20	15	19	26	47	17	17	7	10	47.2
2-Apr-07	11	11	8	8	9	10	8	16	15	21	29	32	25	35	34	26	34	24	16	8	7	11	46	31	46.1
3-Apr-07	48	30	60	15	8	14	11	14	20	25	23	34	33	44	53	31	20	22	15	11	12	11	8	15	59.9
4-Apr-07	8	12	18	12	10	10	9	11	17	7	27	21	14	22	17	21	21	16	12	14	8	8	6	5	27.1
5-Apr-07	7	6	5	6	5	6	5	7	18	21	17	22	31	19	18	19	16	15	15	14	10	13	11	11	30.6
6-Apr-07	11	12	10	13	14	12	12	16	19	23	28	28	25	24	20	15	18	15	13	10	12	11	10	12	27.8
7-Apr-07	12	13	15	20	15	16	14	32	32	62	40	26	14	14	12	11	18	8	10	8	7	22	34	17	62.5
8-Apr-07	31	34	18	43	57	38	47	39	26	23	39	24	23	17	20	19	20	29	20	46	48	45	63	47	62.8
9-Apr-07	73	27	20	33	49	42	69	48	33	21	25	13	23	27	13	17	32	13	10	43	21	5	4	5	73.5
10-Apr-07	5	5	5	5	5	4	4	5	5	6	6	6	6	6	7	6	7	6	6	5	5	5	5	6	6.6
11-Apr-07	5	4	4	6	8	11	46	13	9	10	6	7	9	10	12	12	19	20	11	14	29	23	60	32	60.4
12-Apr-07	27	31	17	13	24	30	38	37	13	19	24	31	24	29	31	21	11	9	14	6	17	6	29	42	41.5
13-Apr-07	31	32	26	36	40	31	31	51	42	38	18	23	18	15	14	17	15	16	12	24	45	41	62	30	61.8
14-Apr-07	49	46	36	48	42	33	68	40	14	6	9	9	7	9	10	9	9	7	7	6	7	11	16	13	67.8
15-Apr-07	9	5	6	5	9	6	14	9	7	10	9	11	12	10	11	9	11	16	14	8	44	17	8	9	43.9
16-Apr-07	9	11	18	9	8	21	23	40	49	39	25	18	21	22	15	12	16	11	12	40	29	14	42	25	48.7
17-Apr-07	44	17	14	5	5	5	3	5	8	7	9	13	16	18	14	18	17	15	15	14	19	34	40	28	43.7
18-Apr-07	37	16	27	32	17	37	30	19	27	37	27	19	19	14	15	11	10	16	15	10	9	14	19	12	37.4
19-Apr-07	13	17	17	11	17	11	16	10	12	15	12	11	14	17	14	12	13	16	17	14	10	7	7	7	17.4
20-Apr-07	14	15	17	8	4	1	3	19	26	44	33	30	29	19	39	27	22	18	15	24	12	11	16	36	44.0
21-Apr-07	25	11	31	27	22	17	47	52	48	43	41	28	29	24	24	15	16	20	13	11	7	28	14	38	52.4
22-Apr-07	39	25	45	47	43	32	75	31	31	29	36	28	33	28	25	24	19	19	12	9	7	15	31	26	75.3
23-Apr-07	20	46	16	29	40	22	32	34	24	44	50	30	41	33	32	61	25	13	11	11	15	14	21	10	61.0
24-Apr-07	13	33	28	74	44	19	26	19	28	29	27	15	14	15	11	13	12	13	10	7	6	7	6	6	73.9
25-Apr-07	7	5	5	5	5	4	7	8	10	15	18	19	25	26	21	17	17	20	14	8	9	9	8	8	25.8
26-Apr-07	9	69	42	15	11	11	10	9	11	11	11	13	13	12	12	13	13	13	9	7	6	5	5	8	69.1
27-Apr-07	7	7	11	6	7	7	7	9	13	11	10	15	21	27	66	66	53	45	16	19	8	9	41	12	66.4
28-Apr-07	13	15	8	6	5	4	7	6	7	10	8	8	8	10	10	11	9	8	8	7	5	6	6	7	15.5
29-Apr-07	6	5	30	9	4	30	15	7	8	10	13	11	13	13	20	14	11	9	10	11	7	5	5	5	30.3
30-Apr-07	5	6	7	6	12	4	6	8	9	13	15	16	17	18	25	27	17	23	27	11	14	27	54	38	54.5

Hourly Max	73	69	60	74	57	42	75	52	49	62	50	34	41	44	66	66	53	45	27	47	48	45	63	47
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1-hr Average Wind Rose (in km/hr) Located at the Evergreen Park Site for April 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	215
5	to	10	240
10	to	20	223
20	to	30	33
30	to	40	3
	>	40	0
Total Non-Zero Values			714

PASZA – Smoky Heights Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Smoky Heights - Sulphur Dioxide Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

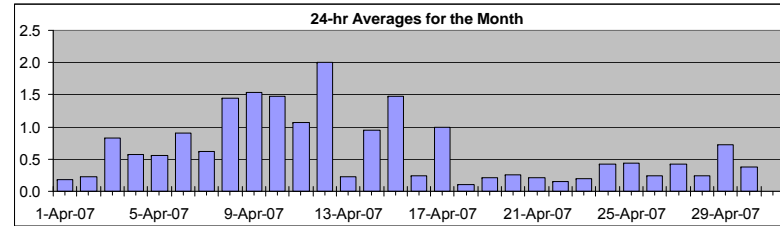
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	10.1 ppb	15-Apr	8:00	9:00
Maximum 24-hr Average:	2.0 ppb	12-Apr		



AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	6.8	2.2	0.7	0.3	0.1	0.0	0.0	0.6 ppb	0.3 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
2-Apr-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
3-Apr-07	0	1	1	1	A	1	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.8	1.7	
4-Apr-07	1	1	1	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0.6	1.0	
5-Apr-07	0	0	A	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	2	0.6	1.6	
6-Apr-07	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0.9	1.9	
7-Apr-07	A	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	0.6	1.0	
8-Apr-07	1	1	0	1	0	1	1	1	1	1	2	10	7	2	1	1	1	1	1	1	0	0	A	0	1.4	10.1	
9-Apr-07	1	1	1	2	2	2	1	2	2	2	2	1	1	1	1	9	2	1	1	1	0	A	0	0	1.5	8.5	
10-Apr-07	0	0	0	0	0	1	2	3	4	2	2	2	0	4	1	1	3	0	0	1	A	2	2	2	1.5	4.1	
11-Apr-07	0	0	0	0	4	2	1	1	2	1	0	3	2	1	1	1	1	0	3	A	0	0	0	0	1.1	3.9	
12-Apr-07	0	0	0	0	0	0	0	0	0	5	2	2	6	7	2	0	1	2	A	8	3	1	3	2	2.0	8.1	
13-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.2	0.5	
14-Apr-07	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	A	0	0	0	4	5	2	3	0.9	5.0	
15-Apr-07	2	2	7	1	1	1	4	1	10	0	0	0	0	0	0	A	2	0	0	0	1	0	0	0	1.5	10.1	
16-Apr-07	0	0	0	0	0	0	0	0	0	1	1	0	0	1	A	0	0	0	0	0	0	0	0	0	0.2	0.7	
17-Apr-07	0	0	0	1	3	9	2	2	1	1	1	0	0	A	1	1	1	0	0	0	0	0	0	0	1.0	9.1	
18-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.5	
19-Apr-07	0	0	0	0	0	1	1	1	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8	
20-Apr-07	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	2	2	1	0	0.3	2.1	
21-Apr-07	0	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8	
22-Apr-07	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
23-Apr-07	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0.2	0.5	
24-Apr-07	0	0	0	0	0	0	A	1	1	1	0	0	1	0	0	1	0	0	1	0	2	1	0	0	0.4	1.6	
25-Apr-07	0	0	0	1	1	A	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0.4	1.3	
26-Apr-07	1	0	0	0	A	0	0	0	0	C	C	C	A	0	0	0	0	0	0	1	0	0	0	0	0.2	1.5	
27-Apr-07	0	0	0	0	2	A	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.4	1.8	
28-Apr-07	1	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.2	
29-Apr-07	0	3	1	A	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	1	0	0.7	4.9	
30-Apr-07	2	0	A	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.4	2.0	
Hourly Avg	0.5	0.4	0.6	0.4	0.6	0.9	0.8	0.7	1.1	0.7	0.7	0.9	0.9	0.8	0.5	0.7	0.6	0.4	0.4	0.6	0.6	0.8	0.5	0.6			
Hourly Max	2.3	3.1	7.0	1.7	3.9	9.1	4.0	2.7	10.1	4.8	2.4	10.1	6.9	6.8	2.2	8.5	3.3	2.1	2.7	8.1	3.8	5.0	3.0	3.1			

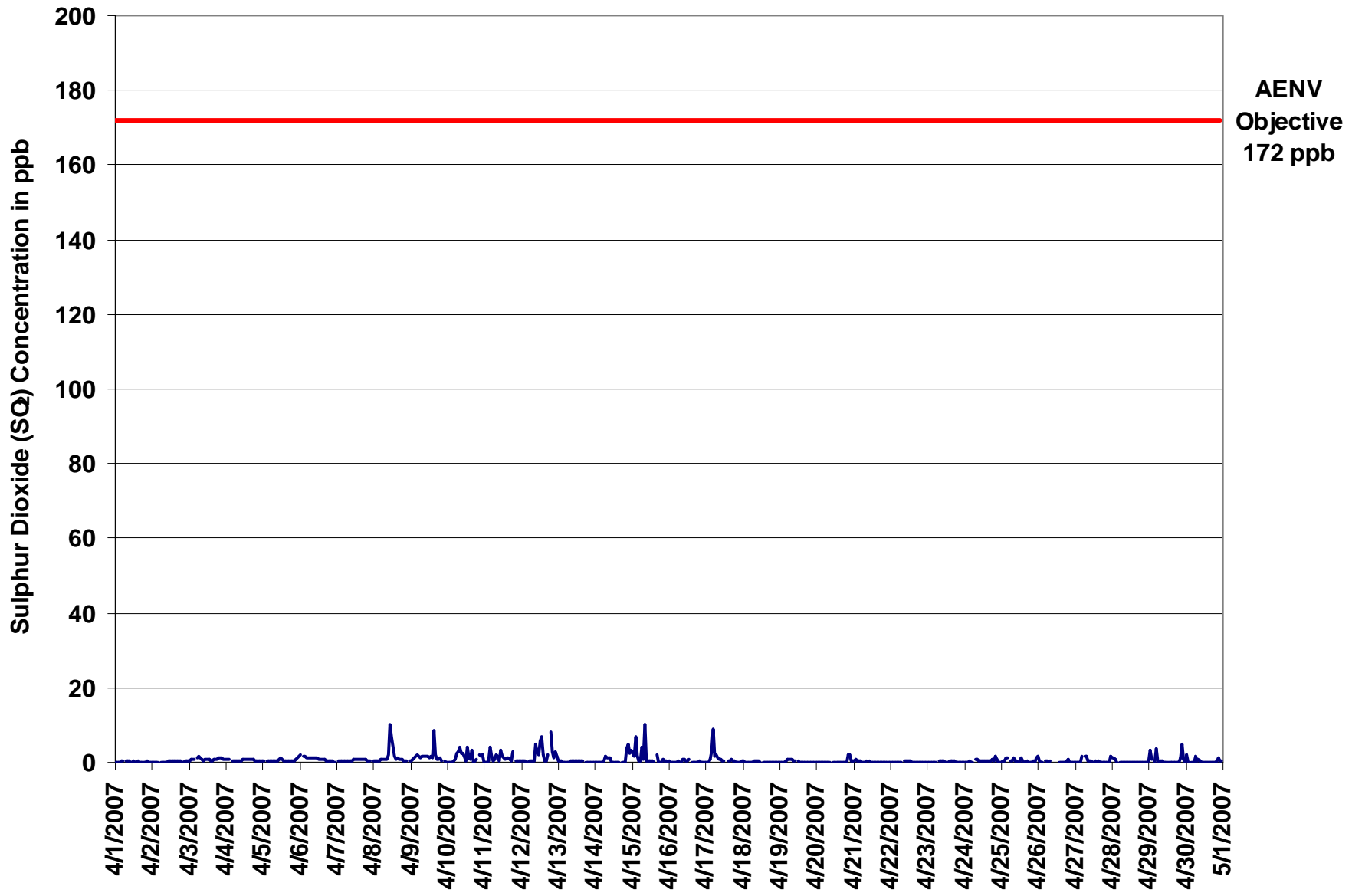


Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

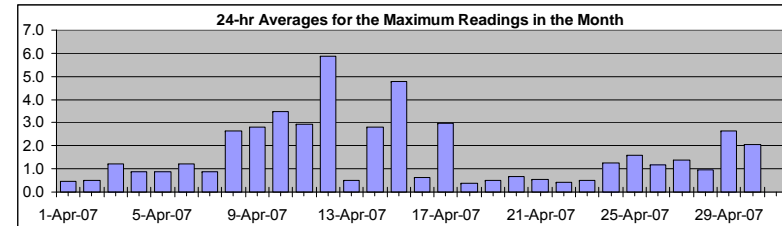
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	34.0	ppb	17-Apr	5:00 6:00
Maximum 24-hr Value:	5.9	ppb	12-Apr	

AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	16.9	7.5	1.2	0.6	0.4	0.3	0.2	1.7 ppb	0.6 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Apr-07	0	0	0	0	1	1	A	1	1	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0.5	0.7	
2-Apr-07	0	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0.5	0.8
3-Apr-07	1	1	1	1	A	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1.2	2.0
4-Apr-07	1	1	1	A	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
5-Apr-07	1	1	A	1	0	1	0	0	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	0.9	2.2
6-Apr-07	2	A	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1.2	2.2
7-Apr-07	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.3
8-Apr-07	1	1	1	1	1	1	1	1	1	1	7	17	12	5	1	2	2	2	1	1	1	1	A	1	2.6	16.6
9-Apr-07	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	23	6	1	1	2	1	A	0	0	2.8	23.1
10-Apr-07	0	1	0	0	1	2	3	4	5	4	6	10	1	9	5	2	14	0	1	1	A	3	2	4	3.5	13.7
11-Apr-07	1	0	0	1	14	6	1	2	3	2	1	14	7	1	2	2	1	7	A	1	1	1	1	1	2.9	13.7
12-Apr-07	0	1	0	0	0	1	1	1	1	19	8	6	26	19	7	1	1	7	A	13	5	2	11	4	5.9	26.0
13-Apr-07	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	A	0	0	0	0	0	0	0	0.5	0.7
14-Apr-07	0	0	1	0	0	0	1	3	2	5	6	0	0	0	0	A	0	0	0	0	13	12	5	12	2.8	12.8
15-Apr-07	6	6	13	10	1	2	11	10	23	1	1	1	1	1	1	A	19	0	0	0	2	1	1	0	4.8	23.0
16-Apr-07	0	0	0	0	0	0	0	0	0	1	1	1	1	2	A	0	0	0	0	0	1	0	0	0	0.6	2.1
17-Apr-07	0	0	0	3	8	34	5	3	2	1	2	1	1	A	1	1	2	1	1	1	1	0	0	1	3.0	34.0
18-Apr-07	1	0	0	0	0	0	0	0	1	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9
19-Apr-07	0	0	0	0	1	1	1	1	1	1	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0.5	1.3
20-Apr-07	0	0	0	0	0	0	0	0	0	0	A	0	1	0	0	0	0	0	0	0	4	4	1	1	0.7	4.1
21-Apr-07	1	1	2	0	0	0	0	0	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.7
22-Apr-07	0	0	0	0	0	0	0	0	A	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	0.4	0.8
23-Apr-07	0	0	0	0	0	0	0	A	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0.5	1.2
24-Apr-07	1	0	0	1	0	0	A	1	1	1	1	2	1	1	1	1	1	1	3	1	4	5	0	0	1.2	4.5
25-Apr-07	0	1	1	5	5	A	1	1	4	0	1	0	1	2	1	1	1	1	1	0	0	1	0	9	1.6	8.5
26-Apr-07	9	1	0	0	A	1	1	1	1	C	C	C	A	0	0	0	0	0	1	5	0	0	0	1	1.2	8.5
27-Apr-07	0	0	0	0	5	A	4	4	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	8	1.4	7.6
28-Apr-07	7	3	4	0	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1.0	7.1
29-Apr-07	1	12	3	A	2	6	1	0	0	0	0	0	0	1	0	0	0	0	0	0	9	11	10	0	2.6	11.9
30-Apr-07	14	0	A	0	0	0	10	10	2	1	0	0	0	0	0	0	0	0	0	1	1	3	2	1	2.1	13.7
Hourly Avg	1.8	1.2	1.3	1.2	1.8	2.5	1.8	1.8	2.0	1.8	1.7	2.3	2.4	1.9	1.1	1.5	2.0	0.9	0.9	1.2	1.7	1.8	1.5	1.7		
Hourly Max	13.7	11.9	13.1	9.7	13.7	34.0	10.9	10.2	23.0	19.5	8.0	16.6	26.0	18.5	7.3	23.1	18.7	6.6	7.0	13.5	12.8	12.3	11.5	12.1		

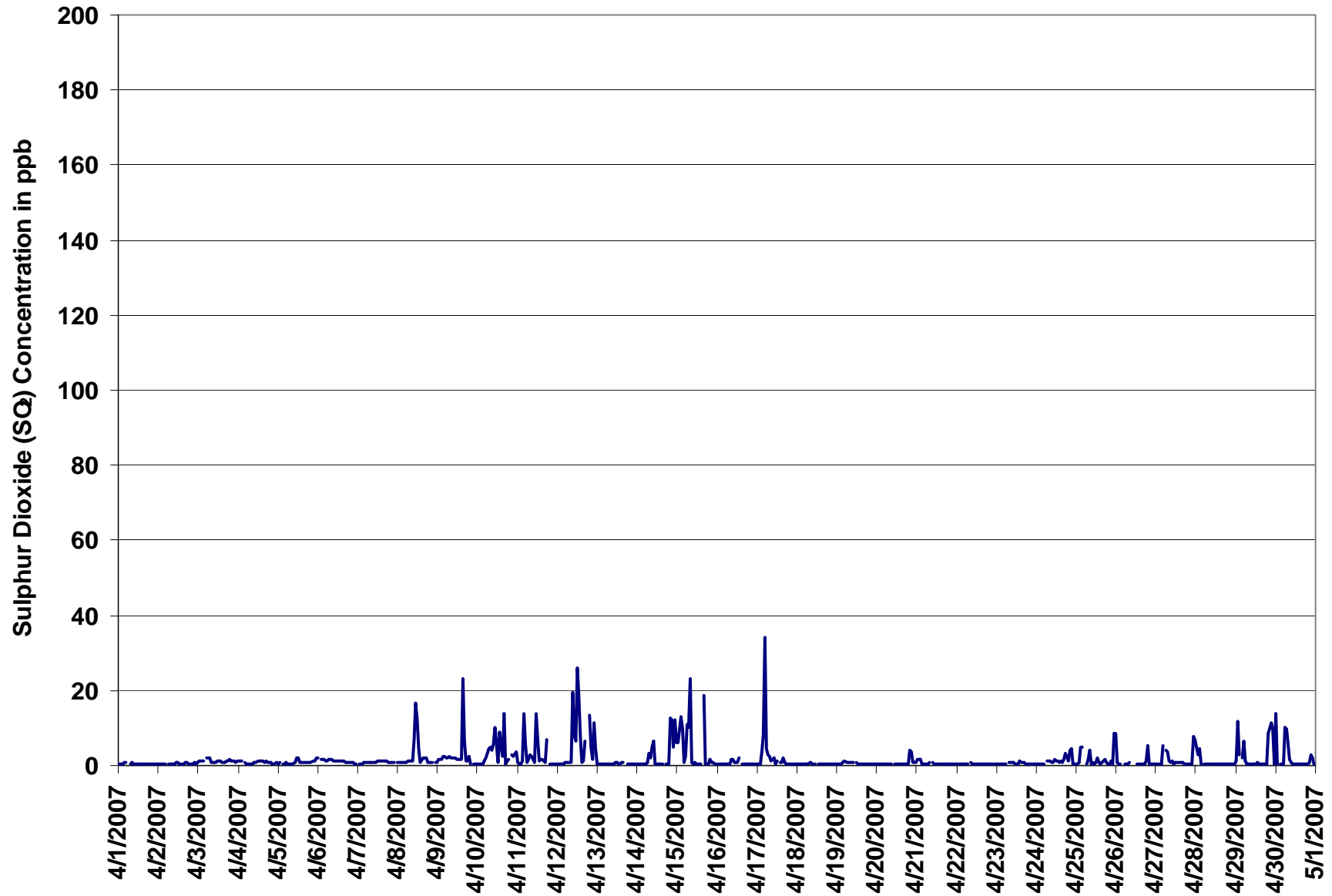
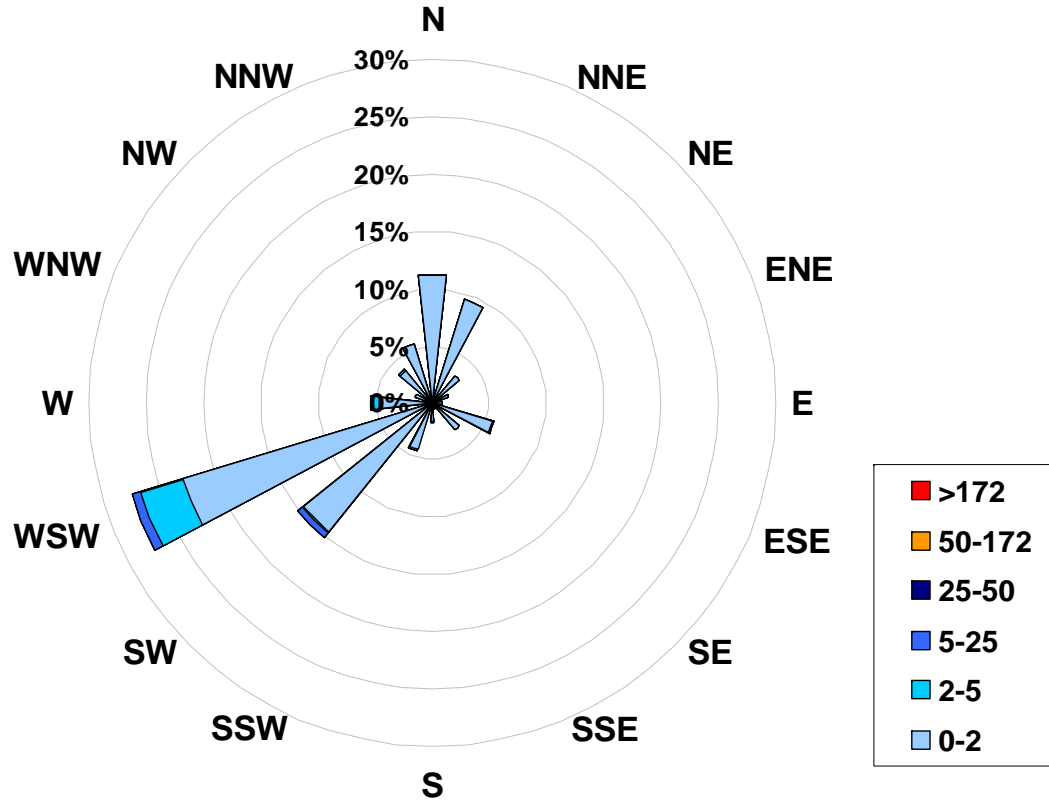


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Smoky Heights Site for April 2007



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2		640
2	to 5		36
5	to 25		9
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			685

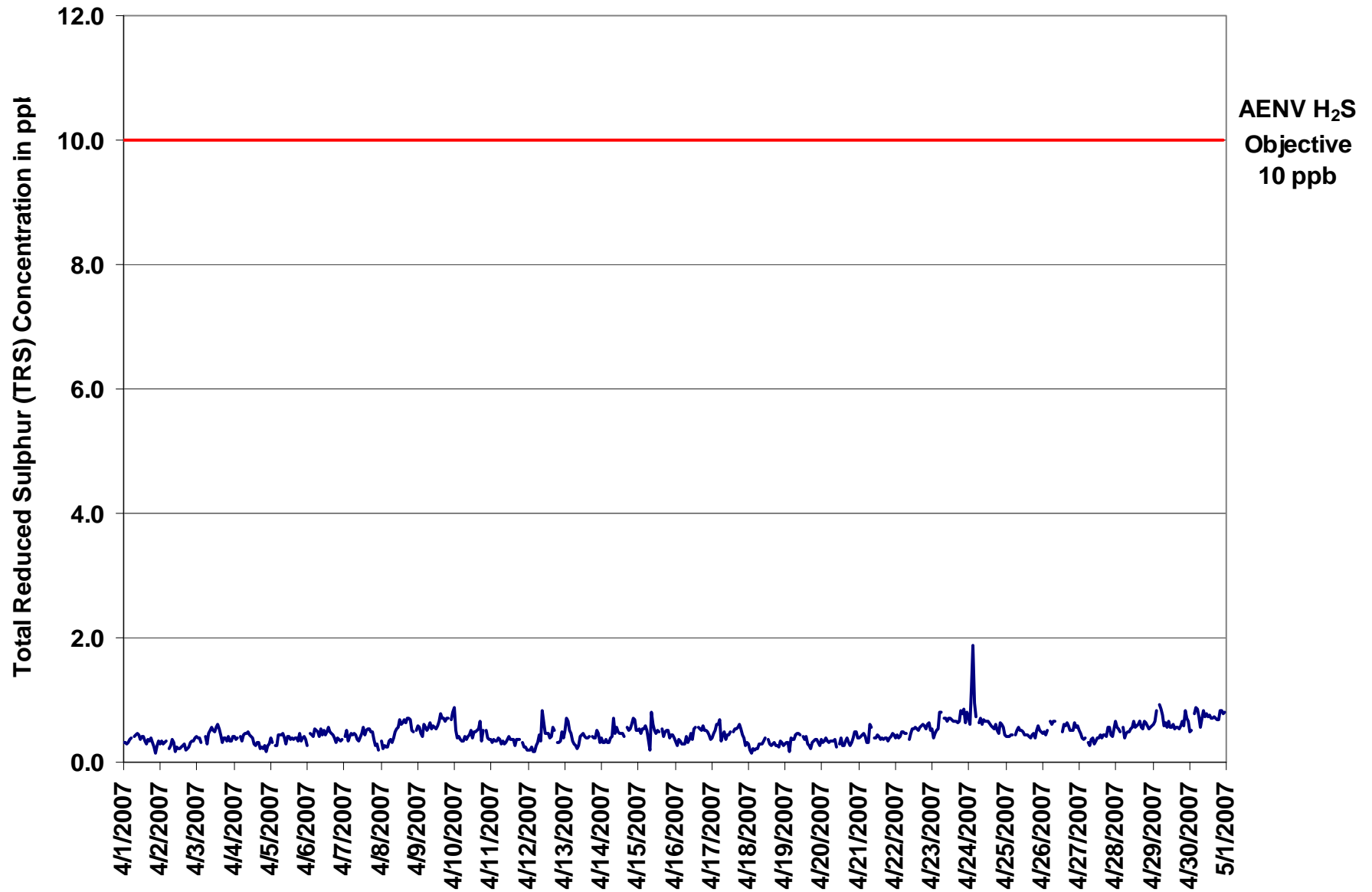


Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

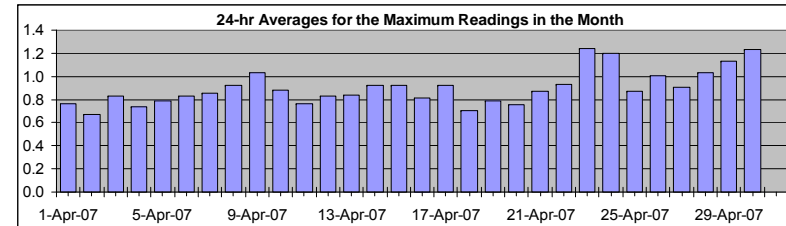
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	3.3	ppb	23-Apr	19:00 20:00
Maximum 24-hr Value:	1.2	ppb	23-Apr	

AIC Time:	32 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.8	1.2	1.0	0.9	0.8	0.6	0.6	0.9 ppb	0.9 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
2-Apr-07	1	1	1	1	1	A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.7	0.9
3-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
4-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.7	1.0
5-Apr-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
6-Apr-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
7-Apr-07	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	1.0
8-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.2
9-Apr-07	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	1.3
10-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.9	1.4
11-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.8	1.0
12-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.5
13-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.8	1.2
14-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.9	1.4
15-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.9	1.2
16-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.8	1.0
17-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0.9	1.2
18-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.7	1.1
19-Apr-07	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
20-Apr-07	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
21-Apr-07	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
22-Apr-07	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
23-Apr-07	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	3	2	2	1	1	1.2	3.3
24-Apr-07	1	1	2	3	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.0
25-Apr-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.0
26-Apr-07	1	1	1	1	A	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3
27-Apr-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
28-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.2
29-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.5
30-Apr-07	1	1	A	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.7
Hourly Avg	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9		
Hourly Max	1.4	1.2	2.5	3.0	1.6	1.7	1.4	1.1	1.4	1.5	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.2	1.2	3.3	1.8	2.0	1.4	1.4		

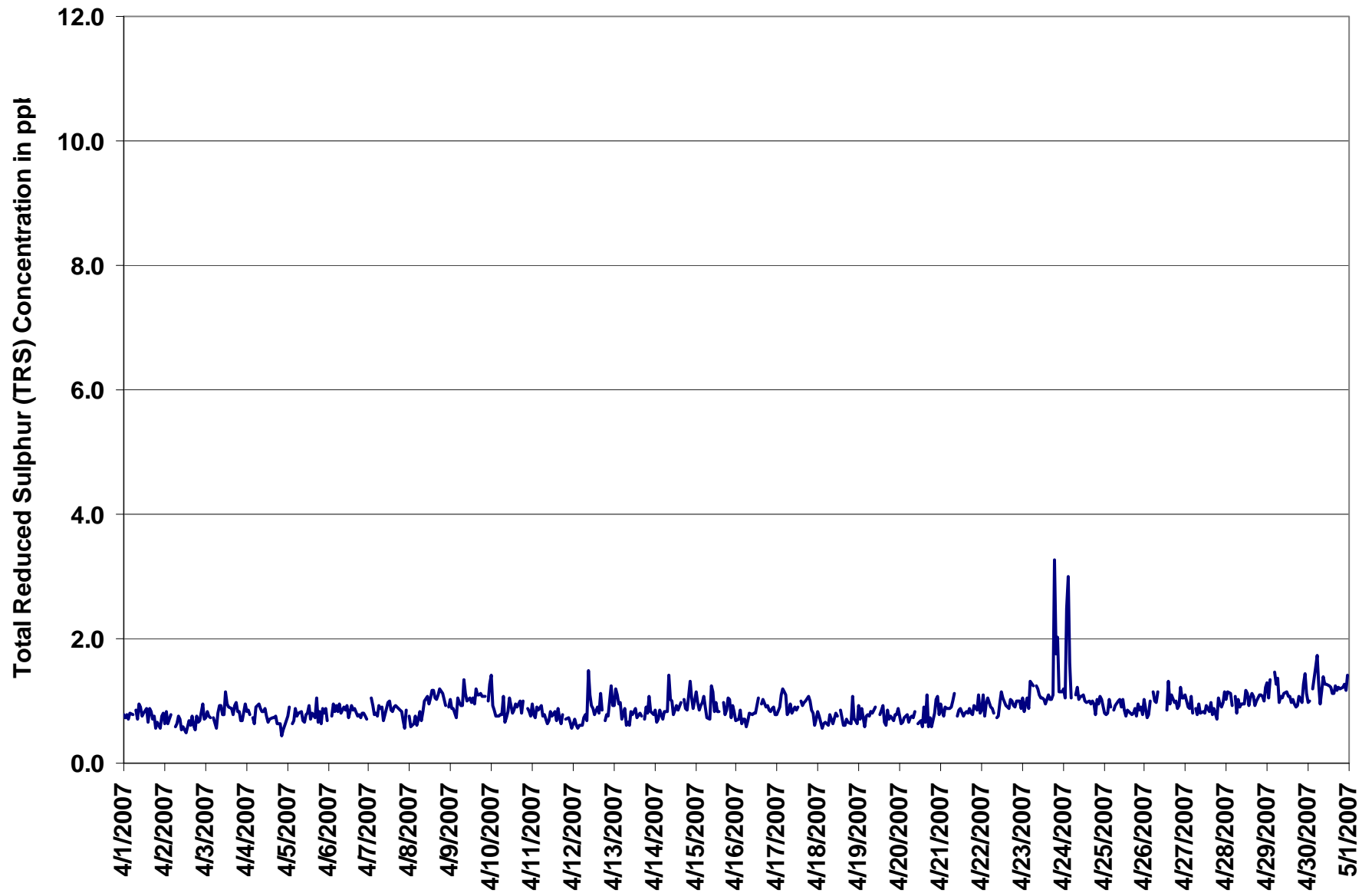
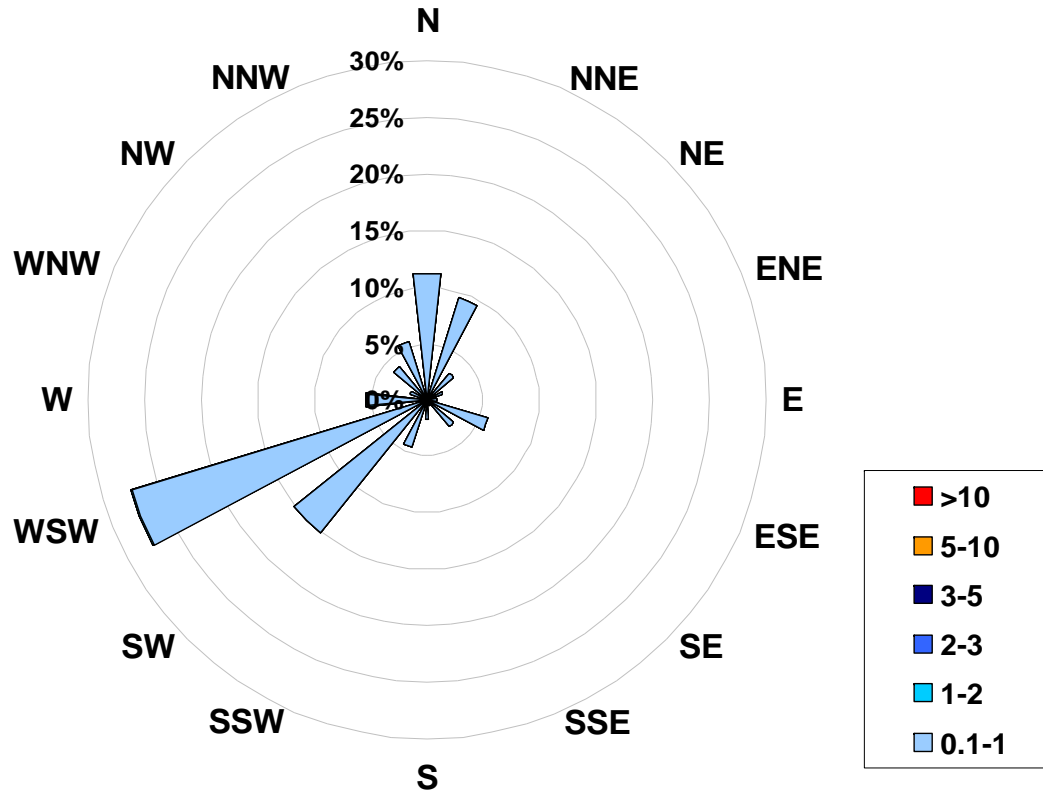


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Smoky Heights Site for April 2007**



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	683
1	to	2	2
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			685

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

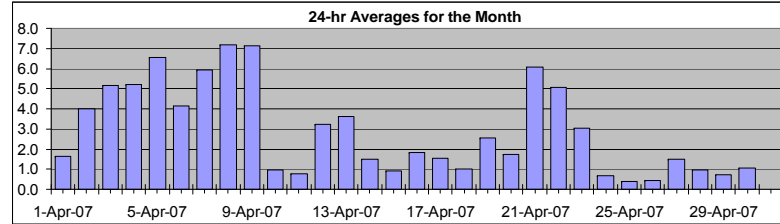
Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	92.7 µg/m ³ 21-Apr 22:00 23:00
Maximum 24-hr Value:	7.2 µg/m ³ 8-Apr

AIC Time:	0 hrs	Operational Time:	714 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.4%
Percentile	99	95	75
	19.1	8.1	4.1
	1.6	0.4	0.0
	5	1	0.0
	0.0	2.9	2 µg/m ³
	Average / Median	Geomean	2.1 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Apr-07	1	1	2	1	2	2	1	1	1	1	1	1	1	1	2	2	2	1	2	3	3	1	5	2	1.6	5.1
2-Apr-07	2	2	2	2	2	2	3	3	9	7	5	8	8	7	2	6	6	3	6	6	2	1	1	4	4.0	8.8
3-Apr-07	3	5	2	3	2	2	3	4	19	8	6	4	4	7	4	4	5	8	5	5	5	4	4	7	5.2	19.4
4-Apr-07	6	4	4	4	4	4	4	4	7	7	8	5	7	8	3	4	4	4	4	5	11	5	4	5	5.2	11.1
5-Apr-07	5	6	7	6	8	5	7	20	6	8	10	8	4	6	5	4	4	4	4	4	5	6	7	7	6.6	19.9
6-Apr-07	5	5	5	5	5	4	4	5	5	5	6	5	5	5	4	4	3	3	2	2	3	3	3	3	4.1	6.1
7-Apr-07	3	4	4	6	6	6	7	6	7	7	7	7	7	7	6	5	6	5	7	7	7	6	5	5	5.9	7.4
8-Apr-07	4	4	4	5	5	5	4	5	5	4	6	7	8	11	11	8	12	33	15	3	4	3	2	2	7.2	32.9
9-Apr-07	3	3	4	5	6	5	5	12	20	3	4	5	7	6	8	12	12	17	9	8	6	5	4	3	7.1	20.4
10-Apr-07	9	4	D	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1	1	0	0	0.9	9.2
11-Apr-07	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	0	0	0	6	0	3	1	1	0.8	6.4
12-Apr-07	1	1	1	2	1	1	3	1	2	5	8	5	4	3	0	4	4	6	2	5	4	6	6	3	3.2	7.5
13-Apr-07	3	3	2	2	3	4	4	9	10	5	7	4	7	4	0	1	4	1	3	3	1	2	1	2	3.6	9.8
14-Apr-07	0	3	1	4	2	2	3	1	3	3	0	0	0	0	0	2	1	1	1	3	2	2	1	1	1.5	3.7
15-Apr-07	0	0	0	0	1	1	2	2	2	2	1	1	1	0	0	2	0	0	1	1	1	2	0	0	0.9	2.4
16-Apr-07	0	0	0	0	1	0	5	2	0	1	3	0	3	2	4	2	2	5	3	3	1	2	1	1	1.9	5.4
17-Apr-07	1	1	1	2	1	0	3	2	0	0	0	0	0	2	5	2	3	4	4	0	1	0	2	1	1.5	4.9
18-Apr-07	0	0	0	0	0	0	0	5	2	0	1	1	0	0	0	0	0	0	1	1	1	8	2	1	1.0	8.0
19-Apr-07	0	0	0	1	1	1	8	7	7	5	1	1	1	1	1	2	1	1	0	1	11	11	0	0	2.6	11.4
20-Apr-07	0	0	0	0	0	0	0	4	1	0	0	0	2	0	4	23	0	0	1	0	0	1	3	2	1.7	23.1
21-Apr-07	3	3	3	2	1	1	2	1	1	1	1	2	2	2	2	2	1	2	1	1	3	8	93	D	6.1	92.7
22-Apr-07	0	1	3	2	1	8	0	0	0	0	2	1	2	2	2	3	3	3	3	3	3	29	46	D	5.1	45.6
23-Apr-07	0	0	1	1	1	3	2	3	3	5	4	5	0	0	0	0	0	D	2	14	12	0	0	11	3.0	14.2
24-Apr-07	3	5	1	1	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0.7	4.8
25-Apr-07	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	0	0.4	1.8
26-Apr-07	1	0	0	0	0	0	1	1	0	2	1	0	C	C	0	0	0	0	0	0	0	0	0	1	0.4	2.4
27-Apr-07	0	1	0	1	0	0	2	1	0	1	0	1	2	1	1	1	2	2	2	4	6	2	2	4	1.5	6.1
28-Apr-07	4	1	3	1	2	1	1	0	0	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1.0	3.7
29-Apr-07	1	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0.7	2.2
30-Apr-07	1	1	1	1	1	1	2	0	0	1	0	0	0	0	0	1	0	1	1	2	2	4	4	2	1.1	4.3
Hourly Avg	2.0	1.9	1.8	1.9	1.9	2.1	2.6	3.5	3.8	2.9	2.8	2.5	2.7	2.6	2.3	3.2	2.5	3.6	2.8	3.2	3.3	4.0	6.8	2.5		
Hourly Max	9.2	5.6	7.0	6.3	8.0	8.1	7.7	19.9	20.4	8.1	10.3	8.4	8.4	11.4	11.3	23.1	12.1	32.9	15.3	14.2	11.8	28.5	92.7	11.3		

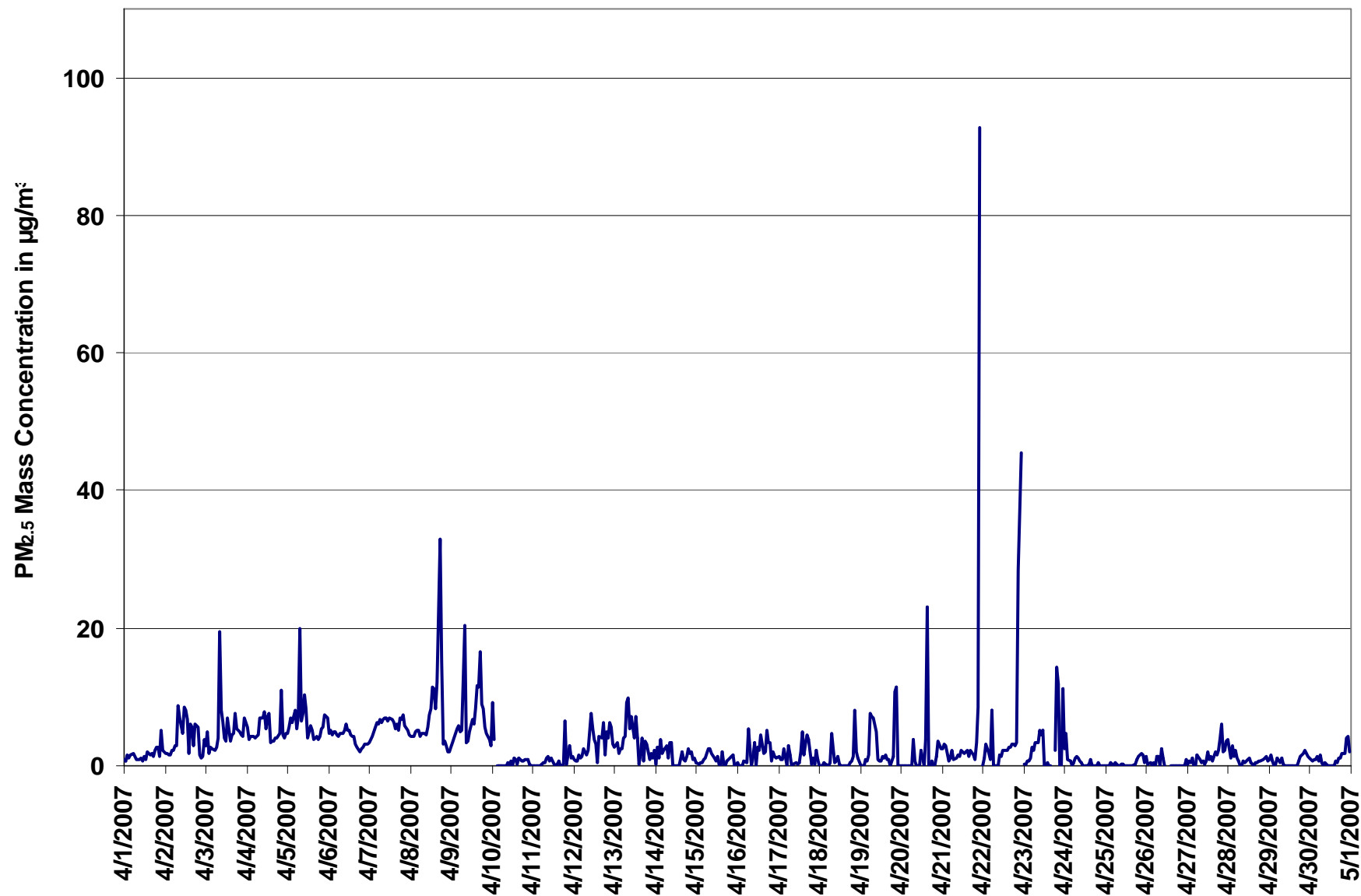


Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

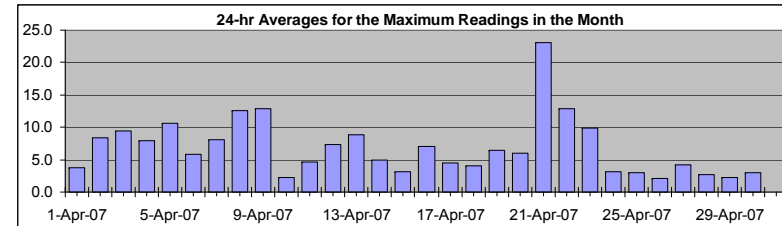
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	366.2	µg/m ³	21-Apr	22:00 23:00
Maximum 24-hr Value:	23.1	µg/m ³	21-Apr	



AIC Time:	0 hrs	Operational Time:	714 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	99.4%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	51.0	17.9	7.3	4.2	2.5	0.8	0.0	6.8 4 µg/m ³	5.7 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Apr-07	2	2	3	3	3	3	3	3	3	2	3	4	5	4	3	4	3	5	5	4	4	13	6	3.8	12.8	
2-Apr-07	4	4	3	3	4	4	5	5	15	13	11	22	15	10	5	13	9	6	13	20	3	3	4	10	8.5	21.7
3-Apr-07	9	12	9	4	4	3	5	7	35	20	13	7	6	12	6	7	6	16	8	7	7	6	5	10	9.4	34.8
4-Apr-07	9	5	6	6	5	6	6	6	11	9	10	8	10	19	6	5	6	6	5	7	19	8	6	7	7.9	19.4
5-Apr-07	7	8	11	9	10	8	22	33	9	11	19	19	7	8	8	6	6	6	5	6	7	9	10	10	10.7	33.0
6-Apr-07	6	6	6	6	6	6	6	7	7	9	7	7	8	8	6	6	6	5	4	4	4	4	5	5	5.9	8.8
7-Apr-07	5	5	6	7	8	8	8	8	8	9	9	9	9	9	9	8	10	7	8	12	11	7	7	7	8.1	11.6
8-Apr-07	6	6	6	7	9	10	6	6	6	7	8	11	12	20	23	12	26	60	41	5	5	4	4	3	12.6	60.1
9-Apr-07	5	5	6	8	7	7	7	31	75	6	6	7	10	8	10	16	16	23	14	12	12	8	6	5	12.9	74.6
10-Apr-07	12	6	D	0	0	0	1	0	1	2	1	3	1	3	3	2	4	2	3	2	2	2	1	1	2.3	12.4
11-Apr-07	1	1	1	1	1	1	2	2	2	3	3	3	2	2	3	3	2	3	5	38	4	11	8	7	4.6	37.8
12-Apr-07	5	2	2	3	3	3	4	3	5	10	11	9	8	13	8	12	9	15	10	9	7	11	11	4	7.3	14.8
13-Apr-07	6	5	4	4	6	6	6	12	12	13	20	9	16	11	5	10	10	12	7	9	6	5	6	10	8.8	19.5
14-Apr-07	11	10	6	10	6	4	8	4	9	8	2	0	0	5	1	4	4	3	4	5	5	4	2	3	5.0	10.6
15-Apr-07	1	2	2	2	3	3	4	4	3	3	3	2	7	3	1	5	4	1	3	6	4	5	2	3	3.1	6.8
16-Apr-07	4	2	8	3	5	8	18	8	7	5	12	2	8	8	8	6	6	19	9	5	3	6	3	6	7.1	19.4
17-Apr-07	3	2	4	4	3	1	5	6	1	2	1	2	2	5	14	9	11	8	7	3	2	1	7	4	4.5	13.8
18-Apr-07	1	2	1	4	2	2	3	7	13	2	3	7	2	2	1	1	1	1	2	2	5	27	3	2	4.0	27.1
19-Apr-07	3	2	2	4	4	4	21	14	10	9	2	2	3	3	3	4	3	2	1	4	27	25	0	2	6.4	26.6
20-Apr-07	3	2	1	0	0	0	1	21	3	5	0	0	9	3	13	51	7	4	3	1	2	3	6	4	5.9	51.1
21-Apr-07	4	4	5	3	3	3	3	2	2	4	3	5	4	3	4	4	4	5	4	3	7	89	366	D	23.1	366.2
22-Apr-07	5	15	9	17	16	19	3	1	2	2	5	3	5	5	5	5	4	5	5	4	4	70	85	D	12.8	85.1
23-Apr-07	5	3	4	3	3	5	4	5	6	8	7	9	5	3	5	4	1	D	17	51	51	0	4	23	9.8	51.0
24-Apr-07	8	18	3	5	2	3	4	5	3	5	4	3	1	1	1	2	0	0	1	2	3	1	1	0	3.1	17.5
25-Apr-07	1	1	1	2	2	1	1	3	2	3	4	4	3	3	4	2	4	3	5	5	4	7	3	3	3.0	7.4
26-Apr-07	3	2	2	1	3	2	3	3	4	5	4	3	C	C	0	2	0	2	2	1	0	1	2	2	2.1	5.5
27-Apr-07	1	2	2	3	1	2	3	3	3	2	2	3	8	4	4	3	4	4	5	11	10	8	4	6	4.2	10.9
28-Apr-07	6	4	4	3	4	2	2	2	1	2	2	4	3	3	3	3	2	2	2	2	2	2	3	1	2.7	6.2
29-Apr-07	3	4	2	1	2	3	2	2	2	1	0	1	0	3	1	2	2	3	4	3	3	3	4	2	2.2	4.0
30-Apr-07	2	2	2	3	3	2	3	2	1	2	2	1	0	2	2	2	2	3	2	3	4	9	13	3	2.9	12.8
Hourly Avg	4.8	4.8	4.2	4.3	4.2	4.3	5.7	7.1	8.7	6.0	5.9	5.5	5.8	6.4	5.5	7.0	5.7	7.9	6.8	8.2	7.6	11.5	19.7	5.4		
Hourly Max	12.4	17.5	11.0	17.2	16.0	19.0	22.2	33.0	74.6	20.0	19.5	21.7	16.4	19.9	22.5	51.1	26.1	60.1	40.8	50.5	51.0	88.9	366.2	23.5		

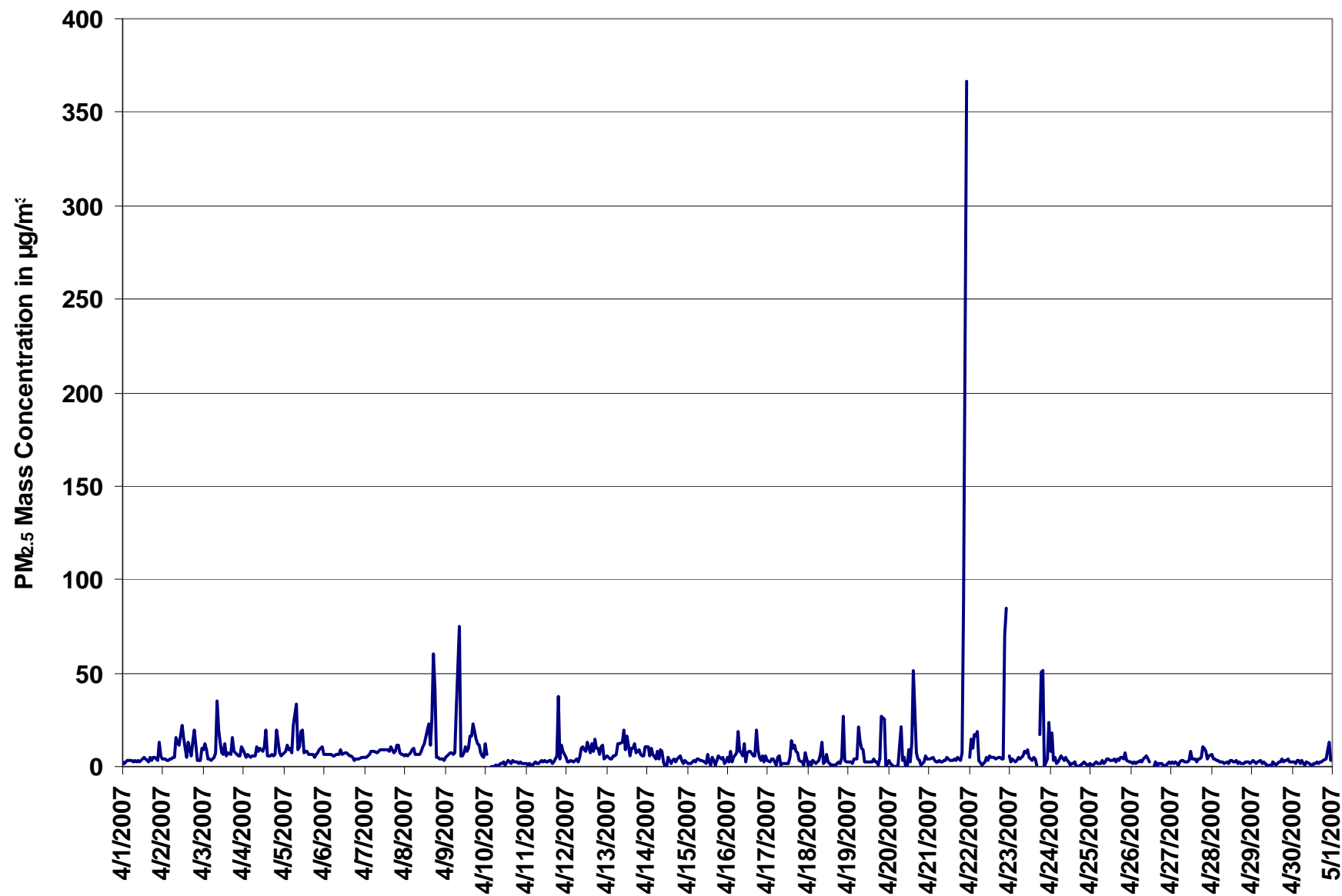
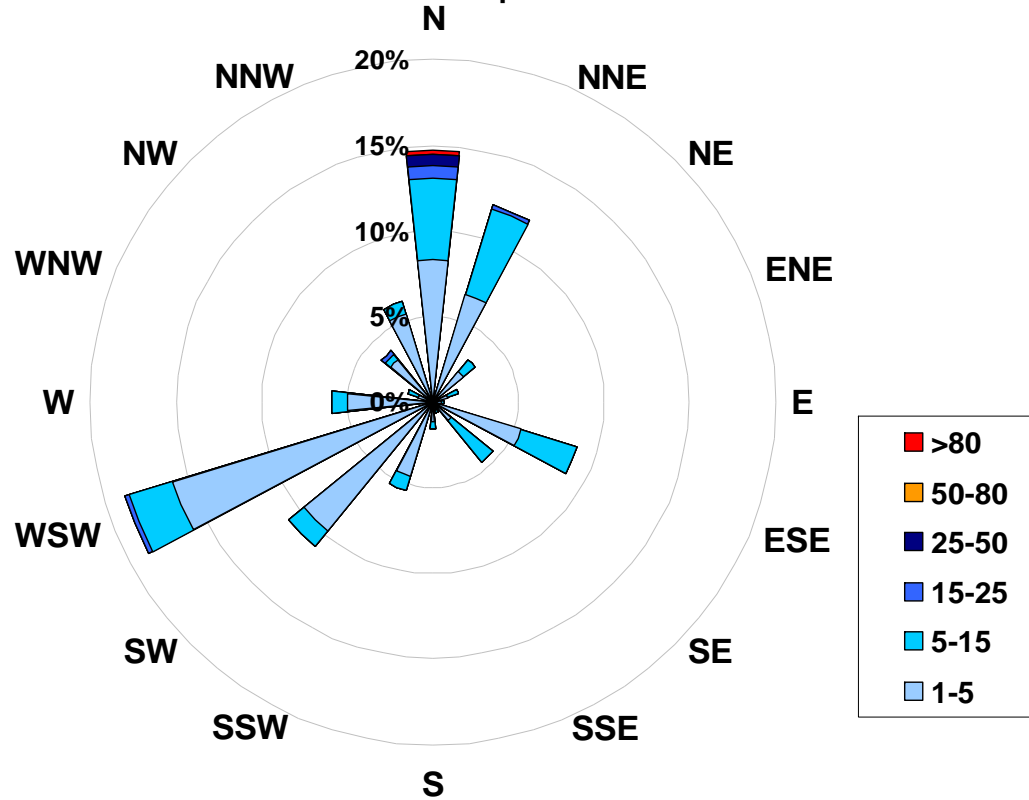


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Smoky Heights Site for April 2007



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	< 5	587	
5	to 15	117	
15	to 25	6	
25	to 50	3	
50	to 80	0	
	> 80	1	
Total Non-Zero Values			714

PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

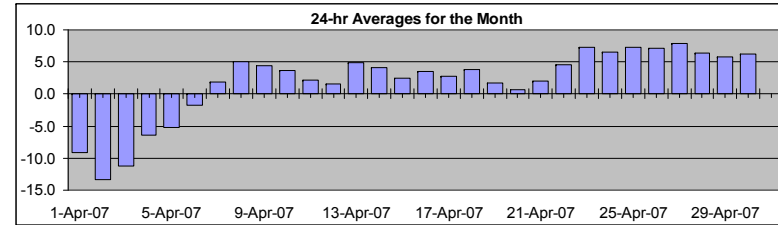
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	14.2	°C	23-Apr	17:00 18:00
Maximum 24-hr Value:	7.9	°C	27-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	12.7	11.0	6.1	2.8	-0.6	-11.1	-15.3	1.9 °C	2.8 °C

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	24-hour	Daily
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	Average	Maximum
1-Apr-07	-9	-10	-9	-9	-10	-10	-10	-10	-10	-10	-9	-9	-8	-8	-8	-7	-7	-7	-8	-9	-10	-10	-11	-11	-11	-9.1	-7.3
2-Apr-07	-12	-13	-14	-14	-15	-15	-16	-16	-16	-16	-15	-14	-13	-12	-11	-11	-10	-10	-11	-11	-13	-14	-14	-15	-16	-13.4	-10.2
3-Apr-07	-15	-15	-15	-14	-15	-15	-15	-15	-14	-13	-11	-10	-9	-8	-8	-7	-7	-8	-9	-10	-10	-10	-10	-9	-11.3	-6.8	
4-Apr-07	-10	-10	-10	-10	-11	-11	-11	-11	-10	-8	-6	-4	-3	-2	-2	-2	-2	-2	-4	-5	-5	-6	-6	-7	-6.5	-1.8	
5-Apr-07	-8	-8	-10	-11	-12	-12	-12	-11	-9	-7	-4	-1	-1	-1	0	0	0	-1	-1	-2	-3	-3	-4	-4	-5.3	0.3	
6-Apr-07	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-2	-1	0	1	1	2	3	3	2	1	0	-1	-2	-2	-1.8	2.6	
7-Apr-07	-2	-3	-3	-3	-3	-2	-2	-2	-1	0	1	3	3	5	8	7	7	8	7	5	3	2	2	2	1.8	7.8	
8-Apr-07	0	-1	-2	-1	-1	-1	-1	0	2	4	4	7	10	13	12	10	9	11	9	8	7	7	6	5	5.0	13.4	
9-Apr-07	4	4	3	3	4	3	3	3	5	6	8	9	10	9	6	4	3	3	3	2	3	3	2	2	4.4	9.6	
10-Apr-07	2	3	3	3	3	3	3	4	4	4	4	4	4	5	6	5	5	6	5	4	4	3	3	2	3.7	5.7	
11-Apr-07	1	1	-1	-1	-1	-1	-2	-1	1	2	3	4	5	6	6	6	6	6	8	5	3	0	0	-2	2.2	7.6	
12-Apr-07	-2	-2	-3	-3	-4	-3	-4	-2	-1	2	3	4	5	6	7	7	7	7	7	5	3	2	1	0	1.6	7.3	
13-Apr-07	-1	-1	-3	-3	-2	-1	-1	-1	2	4	6	9	9	12	14	12	12	10	8	6	6	5	4	4	4.8	13.6	
14-Apr-07	4	3	3	4	3	2	3	5	5	5	5	5	6	6	6	6	6	6	6	4	3	2	1	0	4.1	6.2	
15-Apr-07	0	-1	-1	-1	-1	-2	-1	0	1	2	3	5	5	6	7	6	6	6	6	4	2	2	2	3	2.5	6.7	
16-Apr-07	3	3	2	0	2	2	2	2	3	3	5	7	7	6	6	6	6	6	5	4	2	2	2	1	3.6	7.5	
17-Apr-07	1	1	0	0	0	-1	-1	0	2	3	4	4	5	5	5	6	7	5	4	4	3	3	3	3	2.7	7.2	
18-Apr-07	2	1	0	0	-1	-1	-2	0	3	5	6	8	8	7	8	8	7	6	7	6	5	4	4	3	3.9	8.0	
19-Apr-07	2	2	3	3	2	2	1	2	2	1	2	2	2	3	3	2	2	2	1	1	1	1	0	0	1.7	2.8	
20-Apr-07	0	0	0	0	0	-1	-1	0	0	1	1	1	2	2	2	3	3	2	1	0	0	-1	-1	0	0.7	3.0	
21-Apr-07	0	0	0	-1	0	0	0	0	2	3	4	4	4	4	4	3	3	4	3	3	2	2	2	2	2.0	4.2	
22-Apr-07	1	1	1	1	1	1	1	2	3	5	6	7	7	8	9	9	8	7	6	4	4	4	4	4	4.6	9.4	
23-Apr-07	4	2	2	2	1	1	1	3	6	7	9	9	9	10	11	13	14	14	13	11	8	9	9	7	7.3	14.2	
24-Apr-07	7	5	4	4	4	4	5	6	6	9	10	10	8	7	8	8	8	8	7	7	6	5	5	5	6.5	10.4	
25-Apr-07	4	3	3	3	2	2	3	4	5	6	8	8	10	11	12	13	13	13	12	11	9	7	7	6	7.3	12.7	
26-Apr-07	5	4	3	2	2	0	2	5	7	7	8	10	11	12	12	12	11	11	11	9	8	8	6	6	7.2	11.8	
27-Apr-07	7	6	5	4	4	4	4	5	6	7	8	9	10	11	11	11	12	13	12	11	9	8	7	6	7.9	12.6	
28-Apr-07	5	4	4	3	3	2	3	4	5	6	7	8	9	10	10	10	10	10	9	8	7	6	5	4	6.4	10.4	
29-Apr-07	3	2	1	0	0	0	1	2	4	6	8	9	10	11	11	11	11	11	11	10	9	7	5	4	5.8	11.4	
30-Apr-07	2	2	2	0	-1	-1	1	4	5	7	8	10	10	11	11	12	12	12	11	10	8	6	5	2	6.3	11.9	

Hourly Avg	-0.3	-0.7	-1.2	-1.5	-1.7	-1.9	-1.7	-0.7	0.5	1.7	2.8	3.9	4.6	5.2	5.5	5.7	5.6	5.4	4.8	3.6	2.3	1.6	1.2	0.6
Hourly Max	6.7	6.2	4.7	4.2	4.0	4.5	4.7	6.2	6.6	8.6	10.4	9.8	11.0	13.4	12.0	13.6	13.6	14.2	12.8	11.4	8.9	9.3	9.3	7.5

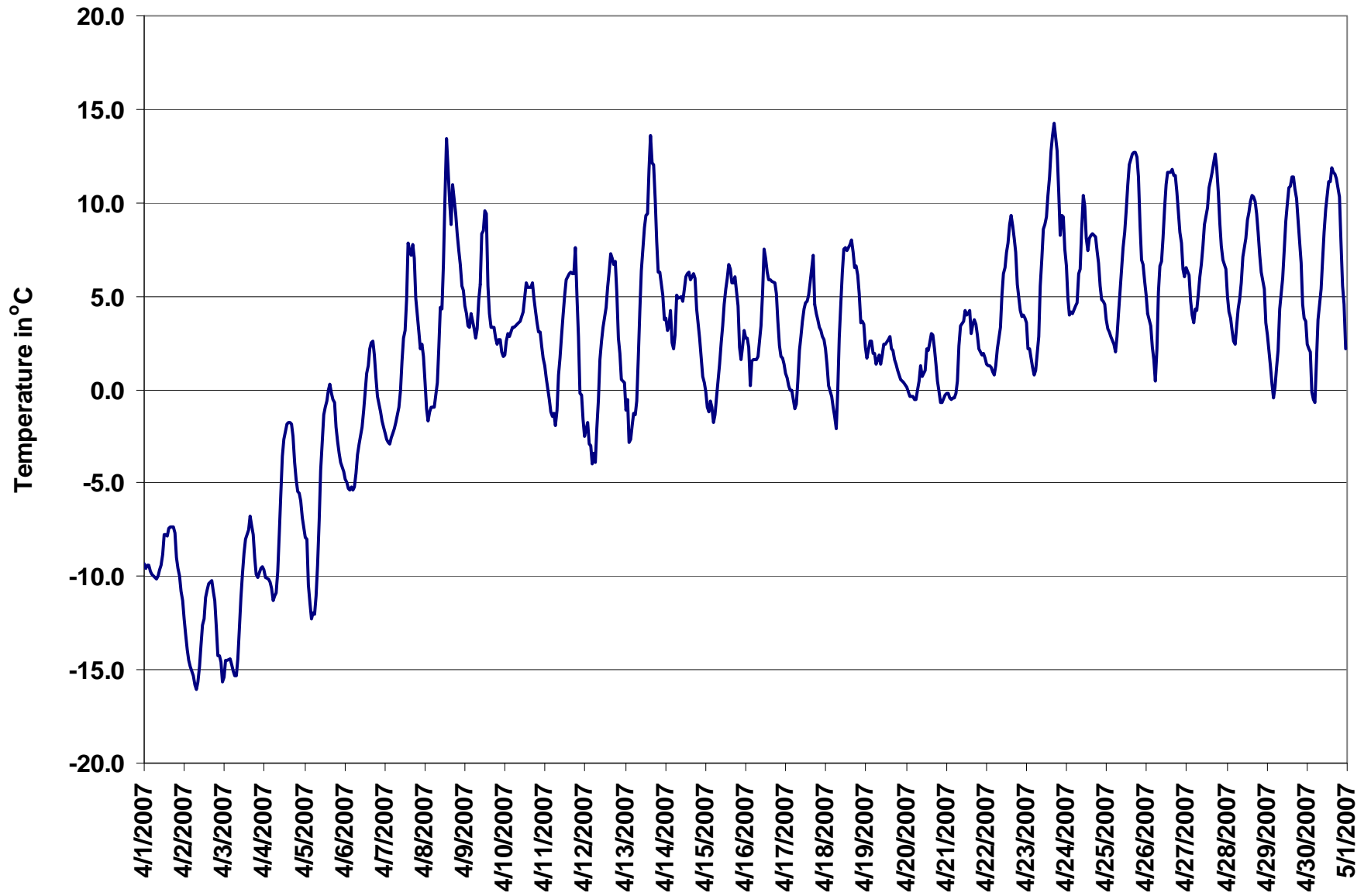


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

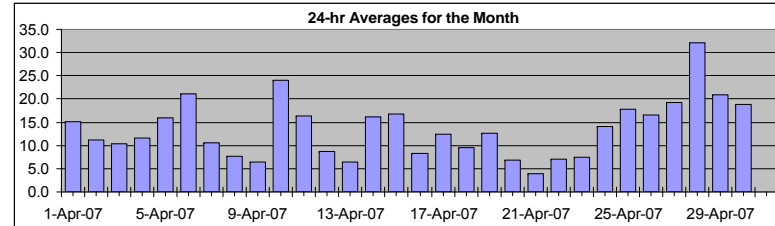
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	46.4	km/hr	28-Apr	8:00 9:00
Maximum 24-hr Value:	32.0	km/hr	28-Apr	

Calm Time:	0 hrs	0% calms	Operational Time:	718 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%				
Percentile	99	95	75	50	25	5	1	AverageS
	38.9	28.4	18.6	11.9	7.1	3.4	2.6	13.5 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							24-hr Scalar Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	16	16	16	17	18	17	16	16	18	19	18	17	12	12	15	14	12	13	13	14	15	11	14	13	15.2	18.9	
2-Apr-07	9	9	11	11	12	14	17	17	14	14	12	13	13	13	13	11	10	8	7	8	8	7	6	11.2	16.9		
3-Apr-07	6	8	9	11	9	9	10	11	11	12	9	10	11	11	10	9	9	10	11	10	12	12	13	13	10.3	13.0	
4-Apr-07	13	12	12	10	10	9	11	11	9	9	8	6	11	12	13	16	17	19	15	13	11	9	11	12	11.5	18.7	
5-Apr-07	12	10	7	7	9	11	10	10	12	11	13	10	18	18	21	24	24	23	21	21	25	20	20	22	15.8	25.1	
6-Apr-07	20	20	20	17	17	16	15	17	20	27	26	26	25	25	25	21	22	22	22	20	21	22	21	21	21.2	26.8	
7-Apr-07	21	16	15	13	12	12	11	12	12	13	13	12	10	7	5	11	11	9	7	4	6	6	6	6	10.5	20.8	
8-Apr-07	5	3	5	6	8	5	6	6	6	3	9	6	5	4	5	9	7	12	12	12	13	14	14	10	7.8	14.4	
9-Apr-07	8	6	6	7	5	4	5	5	4	5	3	4	4	3	10	14	9	7	8	8	6	7	5	7	6.3	13.7	
10-Apr-07	11	14	20	18	21	24	28	31	33	34	31	28	30	29	27	28	27	24	24	18	19	18	19	22	24.0	33.6	
11-Apr-07	22	24	22	18	20	23	21	21	26	23	24	20	15	17	19	18	17	15	6	5	6	3	3	3	16.3	25.6	
12-Apr-07	3	5	5	7	9	9	9	8	8	9	10	12	10	7	10	8	12	11	7	6	9	9	13	12	8.8	12.8	
13-Apr-07	11	8	8	6	7	8	8	9	8	5	3	3	4	6	5	3	5	7	9	8	8	8	6	3	6.5	10.7	
14-Apr-07	2	3	4	5	6	6	7	11	16	33	23	22	26	27	27	24	21	22	23	17	14	17	13	17	16.2	33.3	
15-Apr-07	19	18	14	16	18	16	13	18	21	21	19	19	19	17	14	19	25	24	18	11	12	10	10	10	16.8	24.9	
16-Apr-07	9	11	8	4	5	6	5	6	7	7	6	7	6	12	15	16	14	7	7	12	6	12	10	4	8.3	15.7	
17-Apr-07	6	7	7	11	14	N	N	10	21	23	24	23	18	16	9	5	4	11	6	10	12	14	9	15	12.4	24.2	
18-Apr-07	11	5	3	5	3	4	3	3	6	8	7	9	14	22	20	20	19	17	13	9	7	4	9	6	9.5	22.2	
19-Apr-07	4	9	10	13	12	11	12	15	14	15	13	14	18	16	15	14	13	13	13	13	13	11	11	11	12.5	17.9	
20-Apr-07	11	9	9	7	7	7	8	9	7	6	6	4	6	8	8	6	7	7	5	6	5	5	6	5	6.8	11.4	
21-Apr-07	7	5	3	3	3	3	3	4	3	2	3	3	4	5	3	5	2	2	6	5	4	5	6	6	3.9	6.7	
22-Apr-07	5	4	6	5	3	4	4	3	2	4	5	6	6	7	8	9	12	11	11	12	12	12	10	9	7.0	12.1	
23-Apr-07	6	3	4	3	6	5	7	9	4	6	7	12	14	12	10	6	5	3	4	6	11	14	14	9	7.5	14.4	
24-Apr-07	7	3	9	8	8	8	8	12	12	8	8	11	17	17	20	18	20	23	20	19	19	14	24	24	14.1	23.7	
25-Apr-07	21	18	17	21	20	16	17	15	21	25	23	21	19	17	17	23	20	18	15	11	10	12	17	15	17.9	25.2	
26-Apr-07	14	12	12	7	4	5	9	11	13	17	21	21	21	21	21	28	28	30	21	14	20	19	12	17	16.5	29.7	
27-Apr-07	22	20	17	9	11	26	24	30	34	40	35	29	25	21	17	13	9	5	3	4	12	19	11	23	19.3	39.8	
28-Apr-07	22	21	21	23	28	22	23	37	46	44	40	40	38	39	40	38	39	37	37	31	29	30	25	18	32.0	46.4	
29-Apr-07	18	18	16	10	8	11	12	14	21	24	29	29	31	32	30	30	30	26	25	23	18	13	15	19	20.9	32.0	
30-Apr-07	18	19	19	17	18	16	17	17	21	25	25	26	25	27	25	25	24	24	20	14	10	6	8	9	18.9	26.6	
1-hr Average	12.0	11.3	11.1	10.5	11.1	11.3	11.7	13.2	15.0	16.4	15.9	15.5	15.9	16.0	15.9	16.2	15.8	15.4	13.6	12.1	12.3	12.2	12.1	12.2			
Hourly Max	22.2	24.3	22.2	22.6	28.4	25.5	28.5	36.6	46.4	44.4	39.9	40.4	37.6	39.3	39.7	37.6	39.1	37.0	37.0	31.2	28.8	30.0	25.5	23.7			

PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

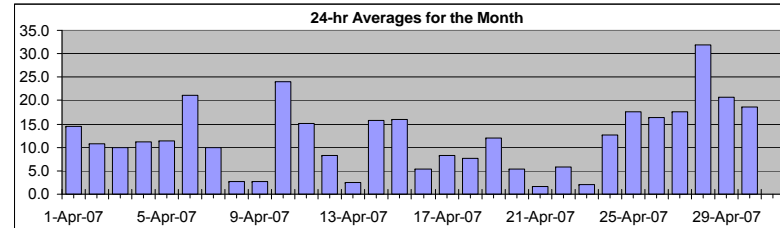
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	46.3	km/hr	28-Apr	8:00 9:00
Maximum 24-hr Value:	31.9	km/hr	28-Apr	



Calm Time:	2 hrs	0% calms	Operational Time:	716 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%				
Percentile	99	95	75	50	25	5	1	AverageV
	38.6	28.4	18.4	11.7	6.8	2.7	1.5	34.2 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																								24-hr Vector Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07	16	16	15	17	18	17	16	16	18	19	17	17	12	14	14	13	12	13	13	14	15	11	13	13		14.6	18.7	
2-Apr-07	9	9	11	11	12	14	17	17	14	14	12	13	13	13	12	12	10	8	7	8	8	6	5		10.7	16.8		
3-Apr-07	6	8	9	11	9	9	10	11	11	12	9	10	11	11	10	8	9	10	10	10	12	12	12	13		10.0	12.9	
4-Apr-07	13	12	11	10	10	9	11	11	9	9	8	6	11	12	13	16	16	19	15	13	10	9	11	12		11.1	18.6	
5-Apr-07	12	10	6	7	9	11	10	10	12	11	13	8	18	18	21	24	24	23	21	21	25	20	20	22		11.4	25.0	
6-Apr-07	20	20	20	17	17	16	15	17	19	27	26	26	24	24	24	21	22	22	22	21	20	21	22	21	21		21.0	26.6
7-Apr-07	21	16	15	13	12	12	11	12	12	13	13	12	10	7	5	11	11	9	7	3	6	5	6	6		9.9	20.7	
8-Apr-07	5	3	5	6	8	5	5	6	6	calm	9	6	4	4	5	7	6	12	12	12	13	14	14	9		2.6	14.3	
9-Apr-07	8	6	6	5	4	3	5	4	4	5	2	3	4	2	10	14	9	5	7	8	5	7	5	7		2.7	13.7	
10-Apr-07	11	14	20	18	21	24	28	31	33	34	31	28	30	29	27	28	27	24	24	18	19	18	19	22		23.9	33.6	
11-Apr-07	21	24	22	18	19	23	21	21	26	23	24	20	15	17	19	18	17	15	5	5	6	1	3	2		15.2	25.6	
12-Apr-07	2	5	5	7	9	9	9	8	7	8	10	12	10	7	10	8	12	11	7	6	9	9	13	12		8.2	12.7	
13-Apr-07	10	8	7	6	7	8	8	8	8	5	1	2	4	6	5	2	5	7	9	7	8	8	6	2		2.5	10.3	
14-Apr-07	1	1	4	5	5	5	7	11	16	33	23	22	26	27	27	24	20	22	23	17	14	17	13	17		15.8	33.2	
15-Apr-07	19	18	14	16	18	15	13	18	21	21	21	19	19	17	14	19	24	24	18	10	12	10	10	10		16.0	24.5	
16-Apr-07	8	11	7	3	4	5	4	4	6	7	3	7	4	11	15	15	14	5	6	12	4	11	10	2		5.4	15.5	
17-Apr-07	5	6	7	11	14	N	N	10	21	23	24	23	17	16	6	1	3	10	5	9	12	13	9	15		8.4	24.1	
18-Apr-07	11	5	2	4	2	3	calm	3	6	8	7	8	13	22	20	20	19	17	13	8	7	2	8	6		7.6	22.1	
19-Apr-07	2	9	9	13	12	11	12	15	14	15	13	14	18	16	15	13	13	13	13	12	12	11	11	11		12.0	17.7	
20-Apr-07	11	9	9	7	7	7	8	9	7	6	6	4	5	8	7	6	7	7	3	6	5	4	6	4		5.4	11.3	
21-Apr-07	7	5	3	3	3	3	2	4	3	2	3	3	4	4	2	5	2	1	6	5	4	5	6	6		1.6	6.7	
22-Apr-07	5	4	6	2	3	3	4	2	1	3	5	5	6	7	7	9	11	11	11	12	12	12	10	9		5.9	12.1	
23-Apr-07	5	2	4	2	5	3	6	9	2	5	7	12	14	12	9	6	4	2	4	6	11	14	13	9		2.0	14.3	
24-Apr-07	7	2	9	8	7	8	8	10	3	8	11	17	17	17	20	18	20	23	20	18	18	14	24	24		12.6	23.7	
25-Apr-07	20	18	17	20	20	15	17	15	21	25	23	21	18	17	17	23	19	18	15	11	10	12	17	15		17.6	25.1	
26-Apr-07	14	12	12	6	3	5	9	11	13	17	21	21	21	21	20	27	28	29	20	14	20	19	12	17		16.4	29.0	
27-Apr-07	22	20	16	9	10	25	24	30	33	40	35	29	25	20	17	13	8	4	2	3	11	18	11	23		17.7	39.6	
28-Apr-07	22	20	21	22	28	22	23	36	46	44	40	40	37	39	39	37	39	37	37	31	29	30	25	18		31.9	46.3	
29-Apr-07	18	18	16	9	8	11	12	14	20	24	28	29	30	31	30	30	29	25	24	23	18	13	15	18		20.6	31.1	
30-Apr-07	18	19	19	17	18	16	17	17	21	25	25	25	24	25	24	24	24	24	20	14	9	6	6	8		18.6	25.4	
1-hr Vector	4.6	5.0	5.1	4.4	5.6	5.6	5.2	6.1	8.1	9.0	9.3	9.3	8.6	8.4	8.0	7.6	6.8	5.5	4.4	3.7	3.4	3.6	3.2	3.6				
Hourly Max	22.2	24.3	22.1	22.5	28.4	25.4	28.5	36.4	46.3	44.2	39.6	40.1	37.2	39.0	39.5	37.1	38.8	36.8	36.9	31.2	28.8	30.0	25.4	23.6				

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	357.3	348.7	252.7	236.0	119.1	8.9	2.0	253 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																								24-hour Average	WD Sector
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Apr-07	333	326	319	316	307	309	320	322	318	322	313	321	338	357	346	347	342	330	324	316	329	354	23	328	NNW	
2-Apr-07	356	347	345	344	349	4	21	28	17	14	348	351	2	0	352	7	7	352	2	353	323	321	338	26	359	N
3-Apr-07	347	21	350	341	334	3	351	352	8	18	11	346	342	349	341	335	324	354	345	341	347	349	349	2	351	N
4-Apr-07	5	5	10	14	16	17	28	29	21	20	14	9	15	43	42	45	45	47	53	55	22	8	26	36	29	NNE
5-Apr-07	58	68	37	14	19	21	23	19	23	17	19	59	118	134	131	128	137	132	122	121	121	113	118	118	100	E
6-Apr-07	115	117	109	107	108	107	109	105	119	124	124	123	128	121	121	117	113	115	105	107	111	117	116	118	116	ESE
7-Apr-07	125	125	123	126	112	112	119	120	125	138	134	130	140	156	129	111	118	102	128	19	54	87	131	159	122	ESE
8-Apr-07	157	234	254	258	230	208	214	206	192	245	262	225	108	25	294	271	323	6	8	5	4	16	26	16	324	NW
9-Apr-07	17	7	20	119	187	193	22	360	324	245	142	26	5	318	261	257	240	240	248	222	234	237	227	241	262	W
10-Apr-07	251	242	241	244	246	247	249	249	248	251	250	253	248	244	236	240	246	238	238	240	241	244	248	245	245	WSW
11-Apr-07	251	248	251	248	248	244	244	244	240	242	242	246	238	228	226	225	223	224	316	356	2	195	252	253	243	WSW
12-Apr-07	260	220	223	210	219	231	242	190	209	226	256	256	247	236	242	260	270	265	238	216	213	238	257	247	239	WSW
13-Apr-07	243	238	220	204	205	200	214	210	208	204	295	303	286	278	297	358	9	343	1	360	6	17	3	32	273	W
14-Apr-07	12	211	240	275	233	228	243	242	252	252	242	229	229	236	237	237	239	234	232	241	253	257	260	245	241	WSW
15-Apr-07	249	249	239	232	248	251	240	238	244	240	237	234	233	233	236	237	249	264	272	244	215	218	184	166	240	WSW
16-Apr-07	181	179	194	199	198	239	246	201	191	228	193	124	173	256	265	297	308	327	196	214	266	260	279	337	238	WSW
17-Apr-07	199	214	246	241	241	251	221	232	231	236	237	236	241	249	271	202	13	3	353	324	318	318	17	346	259	W
18-Apr-07	338	31	92	16	182	276	235	357	29	36	29	15	32	50	54	55	57	90	74	79	82	58	104	99	53	NE
19-Apr-07	260	300	356	13	17	2	4	16	13	12	352	349	340	351	347	354	346	351	346	353	2	4	355	10	356	N
20-Apr-07	17	10	16	5	357	359	22	22	19	17	331	310	12	344	0	8	30	20	312	253	274	277	270	276	355	N
21-Apr-07	271	272	240	235	258	247	228	194	198	176	218	224	233	230	179	233	262	299	37	47	5	7	359	348	268	W
22-Apr-07	359	355	357	62	48	29	36	66	91	18	53	281	279	298	335	347	358	10	12	13	6	11	9	351	3	N
23-Apr-07	338	226	284	141	215	250	173	195	213	249	242	256	246	242	238	236	282	345	21	14	46	45	49	17	268	W
24-Apr-07	1	319	246	269	205	217	262	271	270	123	187	228	235	237	243	236	232	240	255	241	240	231	238	251	241	WSW
25-Apr-07	238	229	240	260	236	240	239	253	235	233	234	237	244	265	246	252	259	255	258	258	247	243	259	254	246	WSW
26-Apr-07	237	213	218	233	276	227	221	225	234	233	236	244	246	245	239	240	240	229	231	239	236	232	233	234	235	SW
27-Apr-07	244	240	235	238	269	252	264	247	249	253	259	248	235	239	223	225	247	278	62	73	184	192	222	241	243	WSW
28-Apr-07	245	252	237	239	236	236	235	239	242	239	244	245	248	236	238	240	239	240	234	237	236	243	247	246	240	WSW
29-Apr-07	244	249	246	242	238	245	248	220	225	236	235	237	232	240	237	242	238	245	263	259	253	247	244	245	242	WSW
30-Apr-07	250	243	248	255	255	258	249	235	231	239	239	226	222	240	232	237	236	228	231	229	219	236	249	219	237	WSW
Hourly Avg	263	250	254	260	251	257	260	249	247	247	248	248	243	249	246	248	254	257	266	268	267	265	271	263		N

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

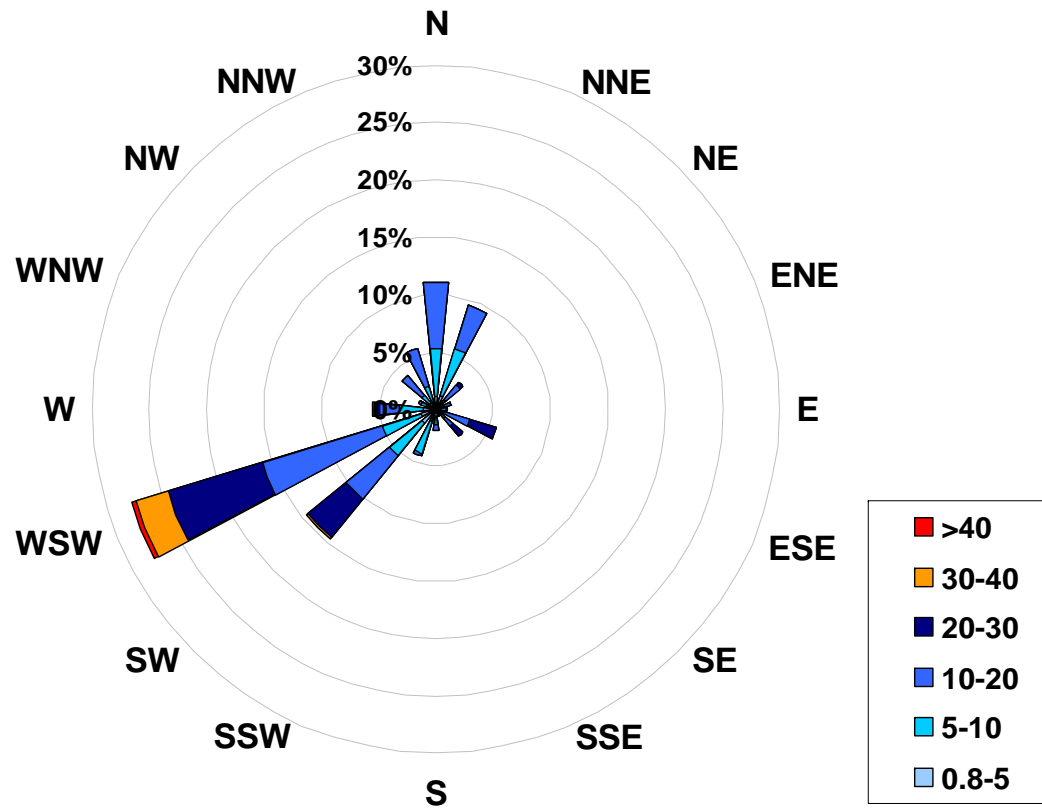
Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	50.6	32.2	10.3	6.4	4.1	2.4	2.0

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

Day	Mountain Standard Time																								Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	7	6	7	7	7	6	6	6	6	6	7	8	10	18	17	12	15	14	10	7	4	5	6	6	7	18.5
2-Apr-07	7	5	5	4	6	5	4	5	5	7	12	12	11	11	13	12	15	12	8	5	3	2	13	5	15.3	
3-Apr-07	8	10	8	3	3	11	6	6	5	3	8	12	9	13	14	16	8	10	6	5	4	5	5	5	16.4	
4-Apr-07	4	4	4	3	2	3	3	5	7	4	7	15	9	10	8	8	7	6	4	5	7	5	5	6	15.1	
5-Apr-07	7	6	16	5	3	2	3	2	2	3	4	11	9	7	7	7	5	4	4	4	3	5	4	5	16.4	
6-Apr-07	5	6	4	4	4	4	4	6	7	6	8	7	7	7	6	8	8	6	8	4	5	4	5	4	8.2	
7-Apr-07	4	5	5	5	4	4	5	3	6	6	8	5	7	7	11	7	8	5	14	16	12	14	9	10	16.3	
8-Apr-07	10	14	6	4	7	25	7	8	20	51	5	13	22	25	22	37	16	7	4	5	5	3	10	7	50.7	
9-Apr-07	6	9	8	41	21	36	16	14	18	14	22	35	19	38	7	3	12	21	10	6	28	13	10	4	40.8	
10-Apr-07	5	2	2	3	3	3	2	2	3	2	2	2	2	3	3	3	5	2	2	2	2	4	3	2	5.2	
11-Apr-07	3	2	2	4	4	4	4	4	2	3	3	4	5	4	2	3	3	2	30	19	5	46	18	36	45.8	
12-Apr-07	18	10	8	5	4	5	4	3	6	8	5	4	5	5	3	7	3	3	11	10	5	5	4	4	18.4	
13-Apr-07	19	7	6	5	5	4	5	5	7	10	35	32	9	4	10	37	14	12	6	8	7	5	8	61	61.2	
14-Apr-07	38	31	9	11	15	17	13	7	4	3	3	37	4	3	3	3	4	2	3	4	3	2	5	3	38.5	
15-Apr-07	4	3	6	2	4	5	10	3	3	3	2	3	2	3	4	4	6	2	2	5	5	6	7	8	9.7	
16-Apr-07	20	8	13	45	22	18	36	34	11	11	30	5	12	9	4	5	4	24	26	9	20	5	3	32	44.8	
17-Apr-07	13	9	8	11	5	3	9	7	3	2	2	2	5	5	41	57	33	10	14	11	3	3	21	6	56.9	
18-Apr-07	21	25	52	20	22	30	21	17	6	7	11	13	9	7	6	9	10	7	8	7	10	30	32	6	52.2	
19-Apr-07	18	4	8	4	3	6	5	3	4	5	9	7	8	8	7	7	7	6	6	7	7	8	8	6	18.1	
20-Apr-07	6	7	5	9	10	10	5	5	4	12	10	10	22	12	13	13	4	6	23	4	5	6	3	9	22.7	
21-Apr-07	4	4	11	8	8	7	7	6	10	16	6	7	4	22	50	5	26	32	6	8	6	5	6	4	50.0	
22-Apr-07	11	17	10	28	24	13	11	22	39	44	15	33	13	13	18	14	9	4	5	3	5	3	6	9	43.5	
23-Apr-07	43	45	8	53	14	12	10	4	39	8	8	2	2	3	6	12	20	54	20	10	5	5	12	5	53.7	
24-Apr-07	5	15	8	34	27	10	12	13	16	35	14	5	5	5	3	3	3	3	3	7	4	3	2	5	35.0	
25-Apr-07	3	3	4	8	4	3	3	7	4	4	4	5	5	8	9	10	9	9	7	6	5	3	6	3	10.4	
26-Apr-07	4	4	5	10	15	12	7	5	8	4	5	7	7	6	7	6	6	10	7	5	2	3	4	4	15.0	
27-Apr-07	4	4	4	13	8	6	4	4	5	6	6	10	11	11	15	14	25	66	55	39	38	9	10	5	65.7	
28-Apr-07	6	10	4	5	3	3	4	4	4	5	6	6	8	6	6	8	7	6	4	3	3	3	4	3	9.5	
29-Apr-07	5	5	3	7	11	6	6	5	6	7	8	7	9	11	8	11	10	8	6	3	2	3	3	3	10.8	
30-Apr-07	3	3	3	2	1	2	3	6	6	7	9	8	13	14	10	12	10	9	7	6	3	7	15	5	14.5	

Hourly Max	43	45	52	53	27	36	36	34	39	51	35	37	22	38	50	57	33	66	55	39	38	46	32	61
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1-hr Average Wind Rose (in km/hr) Located at the Smoky Heights Site for April 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range		Frequency (hrs)	
0.8	< 5	83	
5	to 10	201	
10	to 20	281	
20	to 30	126	
30	to 40	24	
	> 40	3	
Total Non-Zero Values			718

PASZA – Beaverlodge Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Beaverlodge - AQI Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: April 1, 2007 to May 1, 2007

Alberta's Air Quality Index

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

Summary

Number of 1-hr Good Readings:	627
Number of 1-hr Fair Readings:	55
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day	Mountain Standard Time																							
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00
1-Apr-07	20	21	21	21	N	20	20	19	20	21	21	21	21	22	22	23	23	22	22	22	21	21	21	19
2-Apr-07	20	18	19	19	N	19	19	19	20	20	20	21	21	22	22	22	22	21	20	18	18	18	15	13
3-Apr-07	12	15	17	14	N	15	10	9	14	15	17	20	18	20	20	21	21	20	18	17	19	19	17	16
4-Apr-07	16	15	14	11	N	9	9	12	13	11	13	15	16	18	20	20	21	21	21	21	21	21	21	20
5-Apr-07	19	18	17	16	N	14	13	14	14	16	17	18	19	21	22	22	22	22	21	21	20	19	19	17
6-Apr-07	18	19	19	19	N	18	18	18	18	19	19	20	21	21	22	22	22	21	21	20	20	19	19	19
7-Apr-07	17	16	16	16	N	15	12	12	15	15	16	17	19	21	23	25	27	27	26	24	23	20	20	21
8-Apr-07	20	18	16	14	N	16	10	13	14	16	17	18	21	23	25	33	36	35	32	33	30	28	31	25
9-Apr-07	25	26	24	22	N	23	17	19	21	20	19	21	19	19	19	23	27	27	23	22	20	22	21	21
10-Apr-07	21	21	22	22	N	21	21	22	22	22	23	24	24	24	24	24	24	24	24	24	24	23	23	23
11-Apr-07	23	23	23	23	N	22	20	22	23	24	25	26	26	26	26	26	24	25	24	24	24	23	23	24
12-Apr-07	24	22	23	22	N	21	15	14	17	19	20	19	20	21	22	24	26	27	27	25	25	24	24	24
13-Apr-07	23	23	23	22	N	21	21	17	17	20	21	23	31	36	31	33	35	32	31	29	30	26	27	27
14-Apr-07	28	24	22	20	N	19	20	18	22	23	25	24	25	26	25	24	24	25	24	23	22	22	22	22
15-Apr-07	23	23	23	22	N	21	22	22	21	22	23	22	23	22	22	23	23	24	23	22	22	22	23	23
16-Apr-07	23	23	22	21	N	21	21	22	19	21	21	21	23	27	28	28	24	26	26	24	23	22	21	22
17-Apr-07	22	19	15	14	N	14	16	16	16	18	20	21	N	N	22	22	21	22	22	22	22	17	18	19
18-Apr-07	21	21	20	19	N	14	18	19	17	12	18	22	24	27	24	23	23	23	22	22	21	21	20	20
19-Apr-07	21	20	20	20	N	18	19	18	18	18	19	20	20	21	21	21	21	21	21	21	21	21	21	19
20-Apr-07	19	18	17	18	N	18	19	19	19	20	21	21	22	22	23	24	24	23	23	23	19	18	18	18
21-Apr-07	17	15	15	15	N	13	12	12	14	16	20	22	24	25	26	25	24	23	21	19	18	17	16	16
22-Apr-07	16	15	15	17	N	13	10	9	11	12	15	18	20	21	22	22	22	23	22	19	17	14	16	17
23-Apr-07	20	18	18	18	N	16	16	13	14	15	17	1	N	N	N	N	N	24	23	24	24	24	22	19
24-Apr-07	21	19	14	11	N	15	17	15	18	19	20	20	21	21	21	20	20	19	19	19	19	18	20	20
25-Apr-07	20	19	19	18	N	17	17	18	18	19	22	23	23	23	23	23	23	22	22	21	19	20	19	19
26-Apr-07	20	19	18	17	N	16	17	16	17	19	21	22	22	23	23	22	21	21	21	19	17	16	19	22
27-Apr-07	21	19	17	21	N	24	24	25	25	26	27	27	29	30	31	31	31	30	26	27	26	23	22	23
28-Apr-07	24	22	20	18	N	22	21	21	22	23	23	23	23	22	21	19	19	19	19	18	17	17	15	14
29-Apr-07	14	14	14	13	N	13	12	13	15	16	N	20	20	20	21	22	22	21	20	19	18	17	17	16
30-Apr-07	16	17	15	15	N	12	13	15	17	19	19	20	21	21	21	21	21	21	21	20	19	18	17	18

PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

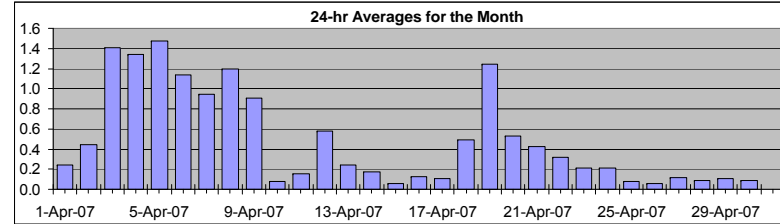
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	6.5 ppb 19-Apr 11:00 12:00
Maximum 24-hr Average:	1.5 ppb 5-Apr

AIC Time:	31 hrs	Operational Time:	687 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.6	1.6	0.7	0.2	0.1	0.0	0.0	0.5 ppb	0.2 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
2-Apr-07	0	0	0	0	A	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0.4	0.9
3-Apr-07	0	0	1	1	A	1	1	1	1	1	2	3	4	2	2	2	2	1	1	1	1	1	1	2	1.4	4.3	
4-Apr-07	2	3	2	1	A	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	2.6	
5-Apr-07	1	1	2	2	A	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.5	2.3	
6-Apr-07	3	2	2	1	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1.1	2.6	
7-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.3	
8-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2	1.6	
9-Apr-07	1	1	1	1	A	1	1	1	1	1	1	2	2	2	1	1	0	1	0	0	0	0	0	0	0.9	2.3	
10-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
11-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	
12-Apr-07	0	0	0	0	A	0	0	0	0	0	0	1	2	1	1	5	1	0	0	0	0	0	0	0	0.6	5.3	
13-Apr-07	0	0	0	0	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.2	0.6	
14-Apr-07	1	1	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.9	
15-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
16-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.1	0.5	
17-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0.1	0.3	
18-Apr-07	0	0	0	0	A	0	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	1.6	
19-Apr-07	0	0	0	0	A	2	2	1	1	3	6	6	1	1	1	0	0	0	0	0	0	0	1	0	1.2	6.5	
20-Apr-07	0	0	0	0	A	0	0	0	1	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	3.6	
21-Apr-07	0	0	0	0	A	0	0	0	0	1	1	0	0	0	0	0	0	0	2	1	1	1	0	0	0.4	1.9	
22-Apr-07	0	0	0	0	A	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0.3	0.7	
23-Apr-07	0	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5	
24-Apr-07	0	0	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8	
25-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
26-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
27-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
28-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
29-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
30-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
Hourly Avg	0.4	0.4	0.4	0.4	N	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.7	0.5	0.5	0.6	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4			
Hourly Max	2.6	2.6	2.3	2.0	0.0	2.3	2.3	1.8	2.1	3.0	6.2	6.5	4.3	2.3	2.2	5.3	1.9	1.9	1.4	1.1	1.5	1.6	1.6	2.2			

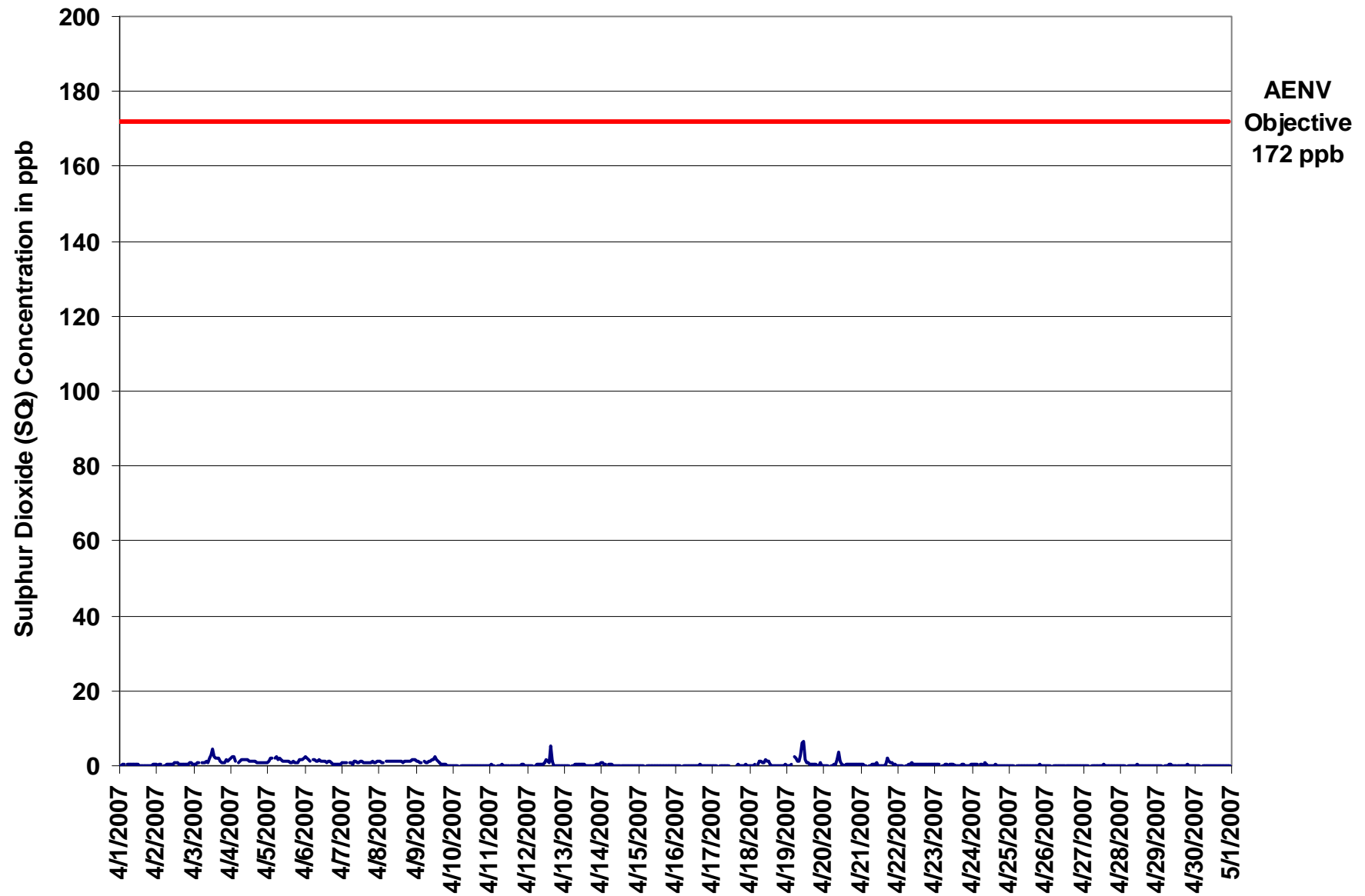


Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

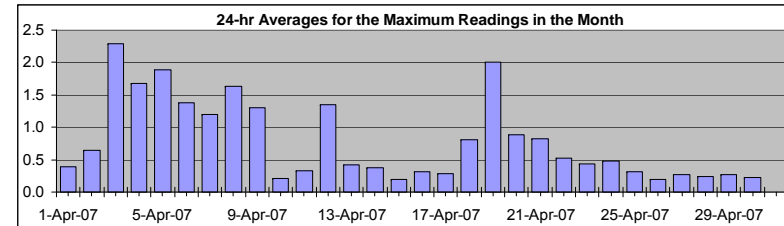
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	13.4	ppb	12-Apr	15:00 16:00
Maximum 24-hr Value:	2.3	ppb	3-Apr	

AIC Time:	31 hrs	Operational Time:	687 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.4	2.2	1.1	0.4	0.2	0.2	0.1	0.8 ppb	0.4 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	0	0	0	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
2-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	2	1	1	0	0	1	1	1	1	1	1	1	0.6	1.6
3-Apr-07	0	1	1	1	A	1	1	1	1	2	6	5	9	3	2	2	2	2	1	1	1	2	2	3	2.3	9.1
4-Apr-07	3	3	3	2	A	1	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1.7	3.3
5-Apr-07	1	2	2	2	A	3	3	2	3	2	2	2	2	1	1	1	2	1	1	2	2	3	2	2	1.9	2.7
6-Apr-07	3	3	2	1	A	2	2	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1.4	2.8
7-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1.2	1.6
8-Apr-07	2	2	1	1	A	2	2	2	2	1	1	1	1	2	2	1	1	1	1	2	2	2	2	2	1.6	2.4
9-Apr-07	2	2	1	1	A	2	2	2	2	2	2	2	3	2	2	1	1	1	1	0	0	0	0	0	1.3	3.2
10-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
11-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.3	0.6
12-Apr-07	0	0	0	0	A	0	1	1	0	0	1	1	2	1	1	13	6	0	0	0	0	0	0	0	1.3	13.4
13-Apr-07	0	0	0	0	A	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0.4	1.0
14-Apr-07	1	1	1	1	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.3
15-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
16-Apr-07	0	0	0	0	A	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	1.0
17-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	C	C	A	0	1	0	0	0	0	1	0	0	0.3	0.8
18-Apr-07	0	0	1	1	A	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	1	0.8	2.0
19-Apr-07	1	0	0	0	A	4	5	2	1	5	8	8	4	1	1	1	0	1	1	1	0	0	2	0	2.0	8.4
20-Apr-07	0	0	0	0	A	0	0	1	1	3	5	3	1	0	0	1	1	0	1	1	1	1	1	1	0.9	5.0
21-Apr-07	0	0	0	0	A	0	0	0	0	2	2	0	0	0	0	0	1	3	4	1	1	1	0	0	0.8	3.8
22-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	1	0.5	1.2
23-Apr-07	0	2	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0.4	1.6
24-Apr-07	1	0	0	0	A	0	0	0	2	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0.5	2.2
25-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0.3	1.8
26-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
27-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.3	0.6
28-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
29-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0.3	0.6
30-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
Hourly Avg	0.6	0.7	0.6	0.6	N	0.8	0.9	0.8	0.9	1.0	1.3	1.2	1.1	0.8	0.6	1.0	0.8	0.7	0.6	0.5	0.6	0.6	0.6	0.6		
Hourly Max	2.9	3.2	3.3	2.4	0.0	4.4	4.6	2.2	2.7	5.4	7.8	8.4	9.1	3.2	2.4	13.4	5.6	3.0	3.8	1.7	2.2	2.6	2.4	2.6		

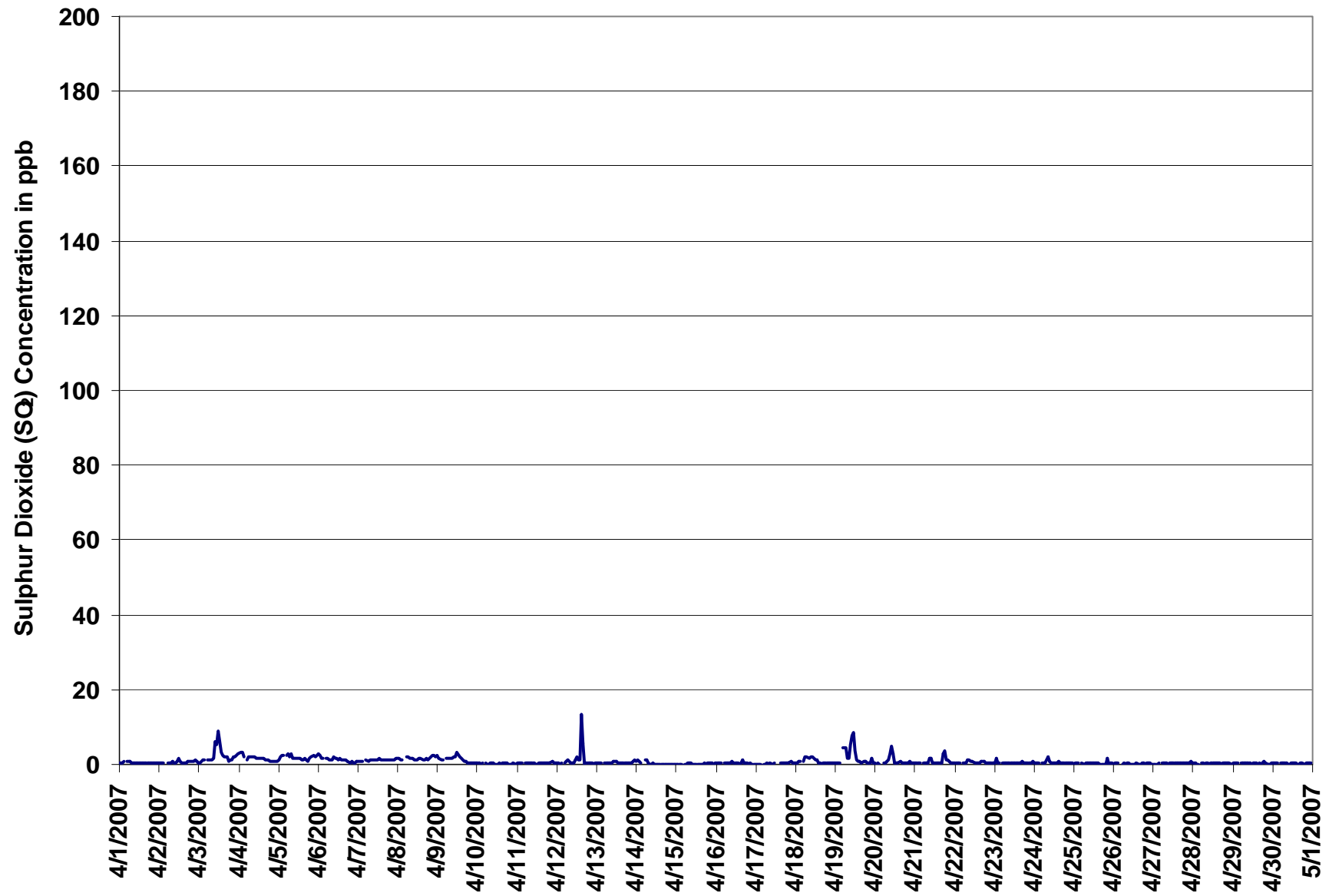
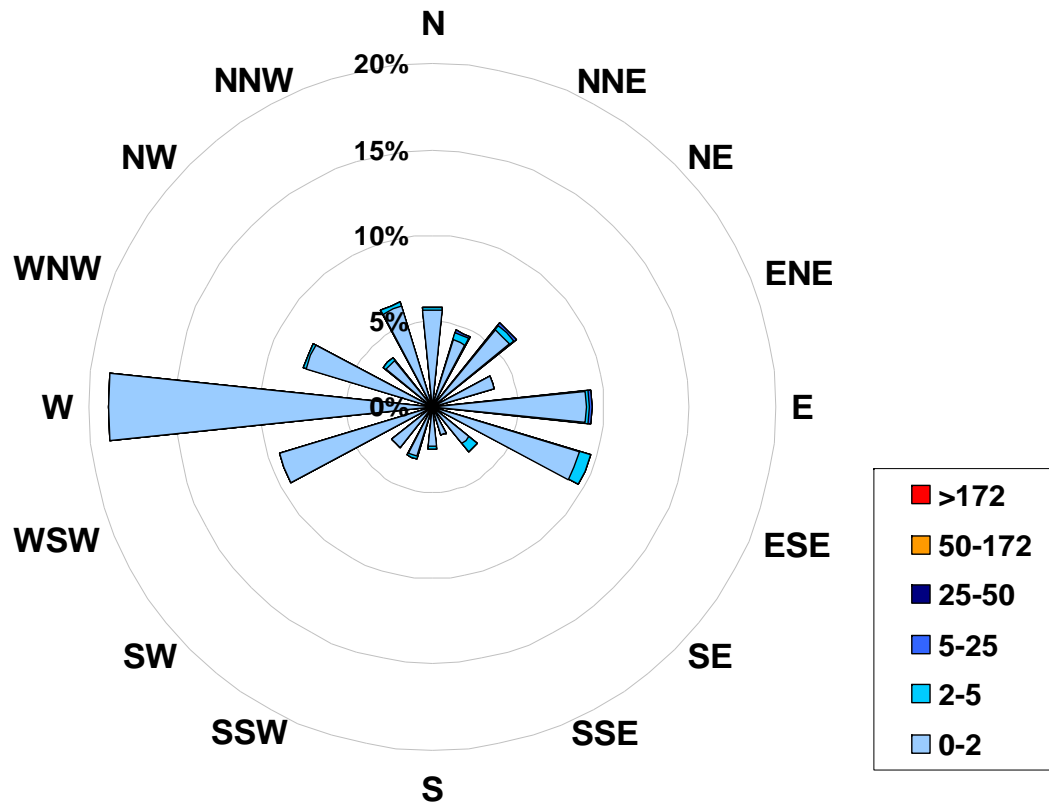


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Beaverlodge Site for April 2007



Calms: 1%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2		663
2	to 5		21
5	to 25		3
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			687

PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

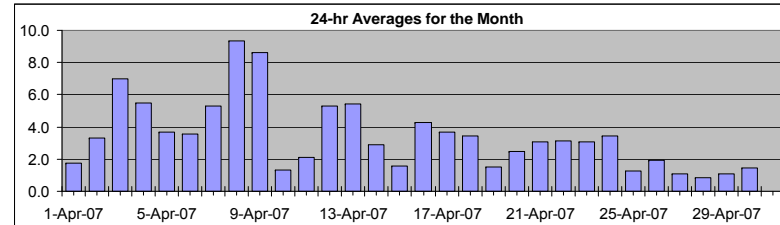
Nitrogen Dioxide (NO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0				
Number of 24-hr Exceedances:	0				
Maximum 1-hr Average:	22.6	ppb	3-Apr	12:00	13:00
Maximum 24-hr Average:	9.3	ppb	8-Apr		



AIC Time:	31 hrs	Operational Time:	685 hrs					
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%					
Percentile 99	95	75	50	25	5	1	Average	Median
15.0	10.3	4.3	2.3	1.2	0.9	0.4	3.4 ppb	2.3 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																								24-hour Average	Daily Maximum
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	3	2	1	2	A	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	2	3	2	3	1.7	4.2
2-Apr-07	2	6	3	4	A	4	4	5	3	2	2	1	1	1	1	1	1	1	2	4	3	5	8	10	3.3	10.1
3-Apr-07	12	8	5	10	A	8	18	17	8	6	5	3	23	2	2	2	2	6	8	4	4	4	3	7.0	22.6	
4-Apr-07	3	4	7	13	A	15	13	8	6	13	8	6	5	5	3	3	2	2	2	2	2	2	2	2	5.5	14.6
5-Apr-07	2	3	4	4	A	5	6	5	5	4	4	3	3	3	3	3	3	3	4	3	3	4	4	6	3.7	6.1
6-Apr-07	5	4	5	4	A	5	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3.5	5.3
7-Apr-07	4	4	4	4	A	4	10	11	5	5	4	5	4	4	4	4	5	5	5	7	6	9	6	4	5.3	10.9
8-Apr-07	5	7	11	11	A	6	19	11	11	7	7	8	7	8	9	7	6	8	12	12	11	13	9	12	9.3	18.5
9-Apr-07	10	7	6	9	A	6	15	9	8	11	13	9	12	13	15	12	8	8	7	7	7	3	3	3	8.6	14.9
10-Apr-07	2	2	2	1	A	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1.3	2.0
11-Apr-07	1	1	2	1	A	3	5	2	2	1	1	1	1	1	1	2	3	2	3	3	3	3	4	2	2.1	5.1
12-Apr-07	2	4	2	3	A	4	16	17	10	8	6	7	5	6	7	4	2	2	2	4	2	3	2	3	5.3	16.8
13-Apr-07	3	3	3	3	A	4	5	11	11	7	8	7	6	3	3	2	4	5	5	5	10	7	8	5.4	10.9	
14-Apr-07	4	4	4	4	A	7	9	12	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2.9	11.8
15-Apr-07	1	1	1	1	A	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	3	2	2	2	1.6	3.4
16-Apr-07	2	2	2	4	A	4	4	4	7	6	6	7	5	2	1	2	7	4	3	5	6	6	3	4.3	7.0	
17-Apr-07	4	3	4	4	A	4	4	4	3	C	C	C	C	A	2	2	3	2	2	2	10	6	5	3.7	10.3	
18-Apr-07	4	4	4	3	A	10	5	5	6	10	5	3	3	2	1	1	1	1	1	1	2	2	3	3.4	10.2	
19-Apr-07	2	1	1	1	A	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	3	1.5	3.3
20-Apr-07	4	4	6	3	A	3	2	2	2	1	1	1	1	1	1	1	1	2	2	2	3	4	5	3	2.5	6.2
21-Apr-07	4	4	4	4	A	5	7	7	5	4	2	2	2	1	1	1	2	2	2	2	2	3	3	3	3.0	7.0
22-Apr-07	3	2	3	2	A	3	5	7	5	5	3	2	2	2	2	2	2	2	3	3	6	3	3	3.1	7.4	
23-Apr-07	3	4	4	4	A	5	5	8	5	3	3	3	2	2	1	2	2	1	2	2	2	1	3	4	3.1	8.1
24-Apr-07	3	8	9	15	A	6	6	6	5	4	2	2	1	1	1	1	1	2	2	1	1	1	1	1	3.4	15.4
25-Apr-07	1	1	1	1	A	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1.3	2.5
26-Apr-07	1	3	2	2	A	4	3	3	3	2	1	1	1	1	2	2	2	2	1	3	3	1	1	1.9	3.7	
27-Apr-07	1	1	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1.1	2.2
28-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2
29-Apr-07	1	1	1	2	A	2	3	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1.1	3.1
30-Apr-07	1	1	2	2	A	5	3	2	1	1	0	0	0	1	0	1	1	1	1	1	3	3	2	1	1.4	5.2
Hourly Avg	3.1	3.3	3.6	4.2	N	4.5	6.1	5.8	4.2	3.9	3.2	2.8	3.3	2.4	2.4	2.1	2.2	2.2	2.6	3.0	3.1	3.9	3.2	3.3		
Hourly Max	11.5	7.5	10.7	15.4	0.0	14.6	18.5	16.8	11.2	12.7	12.7	8.7	22.6	13.1	14.9	11.6	7.9	8.4	11.6	11.6	11.4	13.3	8.8	12.3		

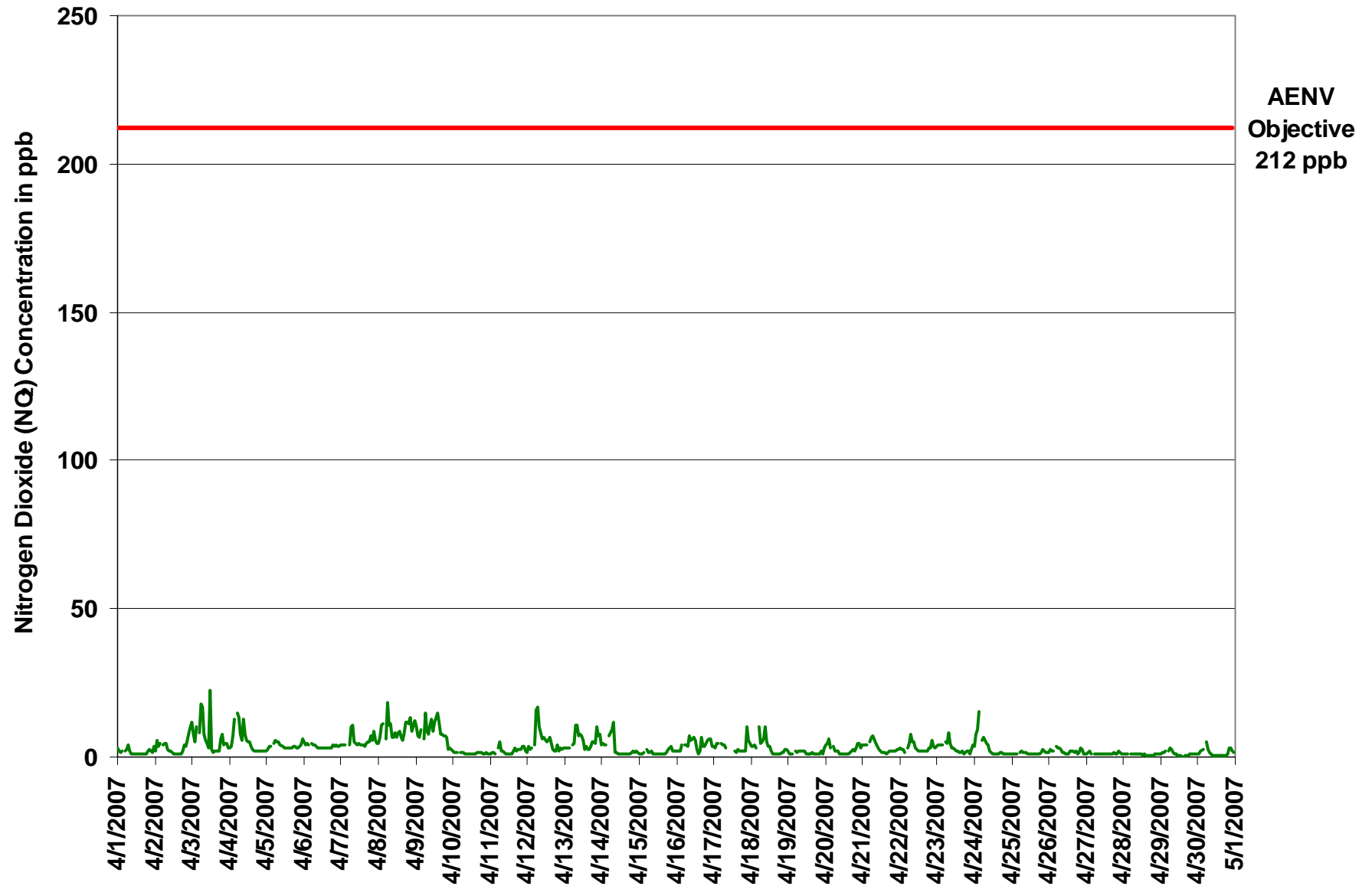


Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

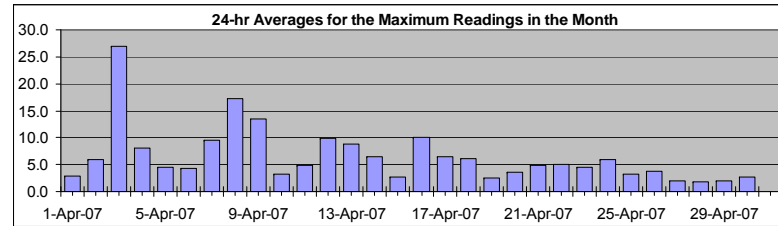
Nitrogen Dioxide (NO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	369.1	ppb	3-Apr	12:00 13:00
Maximum 24-hr Value:	27.0	ppb	3-Apr	

AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	31.2	18.3	6.8	3.9	2.5	1.1	0.9	6.5 ppb	3.9 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-Apr-07	5	3	4	2	A	3	3	6	4	2	2	1	1	1	2	1	2	3	2	2	4	4	3	7	2.9	6.8
2-Apr-07	4	15	14	9	A	5	6	8	4	3	2	2	2	2	1	1	2	3	8	7	14	14	14	14	5.9	14.7
3-Apr-07	14	10	10	30	A	13	26	23	12	7	5	4	369	36	2	2	2	5	10	18	5	6	6	5	27.0	369.1
4-Apr-07	4	5	10	19	A	20	16	11	17	16	13	7	6	7	5	3	4	4	3	3	4	3	5	2	8.0	19.6
5-Apr-07	2	4	4	4	A	6	8	6	6	6	4	4	3	3	3	4	5	4	4	4	4	4	5	7	4.5	7.8
6-Apr-07	7	5	6	4	A	5	5	5	4	4	4	4	3	3	4	4	4	4	6	4	4	4	4	4	4.3	6.8
7-Apr-07	4	6	4	5	A	5	26	26	7	7	5	6	5	5	4	5	6	8	8	14	11	42	8	6	9.6	42.1
8-Apr-07	6	9	22	18	A	13	39	30	19	10	8	13	9	14	13	13	8	11	30	24	25	25	18	21	17.3	39.0
9-Apr-07	12	9	11	11	A	9	26	11	14	21	16	14	16	25	24	21	12	10	8	15	11	6	7	6	13.5	26.2
10-Apr-07	4	3	3	3	A	3	3	4	3	2	2	3	2	3	3	3	3	5	5	3	3	6	4	2	3.2	5.7
11-Apr-07	4	6	4	3	A	11	9	4	4	4	4	3	2	3	3	4	5	3	7	7	6	6	7	4	4.8	11.1
12-Apr-07	3	12	4	4	A	9	41	36	15	11	8	10	7	12	10	7	4	4	6	7	6	6	4	4	9.9	40.9
13-Apr-07	4	3	3	3	A	6	7	17	14	13	10	10	9	4	6	3	5	8	11	17	11	15	10	15	8.8	17.3
14-Apr-07	6	6	5	8	A	23	28	26	3	3	2	2	3	2	3	2	3	2	5	4	4	4	4	3	6.5	28.0
15-Apr-07	2	3	2	2	A	4	3	4	3	2	1	2	2	2	2	1	2	2	3	5	6	5	3	3	2.7	5.8
16-Apr-07	2	4	3	6	A	5	9	7	16	11	61	12	11	7	3	7	14	9	7	9	8	8	9	6	10.1	61.0
17-Apr-07	7	4	6	6	A	6	8	7	5	C	C	C	C	A	4	3	6	4	3	2	3	22	14	9	6.5	22.2
18-Apr-07	4	6	6	4	A	20	9	16	15	14	7	5	5	3	3	2	2	2	3	3	3	3	3	3	6.0	20.5
19-Apr-07	2	3	2	2	A	4	2	2	2	4	3	3	2	2	2	3	3	2	2	2	3	3	3	5	2.6	4.9
20-Apr-07	5	6	9	6	A	6	3	3	6	2	1	1	1	2	1	2	2	3	3	4	5	6	6	3	3.6	8.8
21-Apr-07	6	5	4	5	A	18	10	10	6	5	4	2	2	2	2	2	3	4	3	5	4	4	5	4.8	18.2	
22-Apr-07	6	4	4	2	A	6	9	16	7	6	4	3	2	2	2	3	3	3	2	8	6	13	5	5	5.1	15.6
23-Apr-07	6	6	6	5	A	6	6	13	8	4	4	4	3	4	2	3	3	2	2	3	4	2	7	6	4.6	12.6
24-Apr-07	5	13	15	22	A	8	11	15	8	12	3	3	2	2	2	1	3	3	2	2	3	2	1	6.0	22.4	
25-Apr-07	2	3	3	4	A	5	3	4	3	6	2	2	2	2	1	2	2	3	6	3	6	7	3	4	3.2	6.8
26-Apr-07	2	4	3	3	A	9	5	6	4	3	2	2	2	2	3	7	3	5	5	4	6	7	2	1	3.8	8.7
27-Apr-07	2	3	3	2	A	3	3	2	2	1	1	1	1	2	1	1	1	3	2	2	2	4	3	2	2.0	3.7
28-Apr-07	2	3	3	2	A	1	2	3	1	2	2	1	1	1	1	1	1	1	1	1	2	3	3	2	1.7	3.2
29-Apr-07	2	3	2	3	A	3	5	3	4	2	1	1	1	1	1	1	1	1	2	2	3	3	2	3	2.1	4.9
30-Apr-07	2	2	5	4	A	7	4	3	2	1	1	1	2	2	1	2	2	1	2	3	9	5	4	2	2.7	8.7
Hourly Avg	4.4	5.5	5.9	6.7	N	8.0	11.1	10.8	7.1	6.2	6.2	4.3	16.3	5.3	3.8	3.8	3.6	3.9	5.1	6.2	5.8	8.0	5.6	5.2		
Hourly Max	13.7	14.7	21.5	30.0	0.0	23.1	40.9	35.7	18.6	20.5	61.0	13.7	369.1	35.8	24.2	21.1	13.8	10.5	30.4	24.3	25.0	42.1	18.5	21.3		

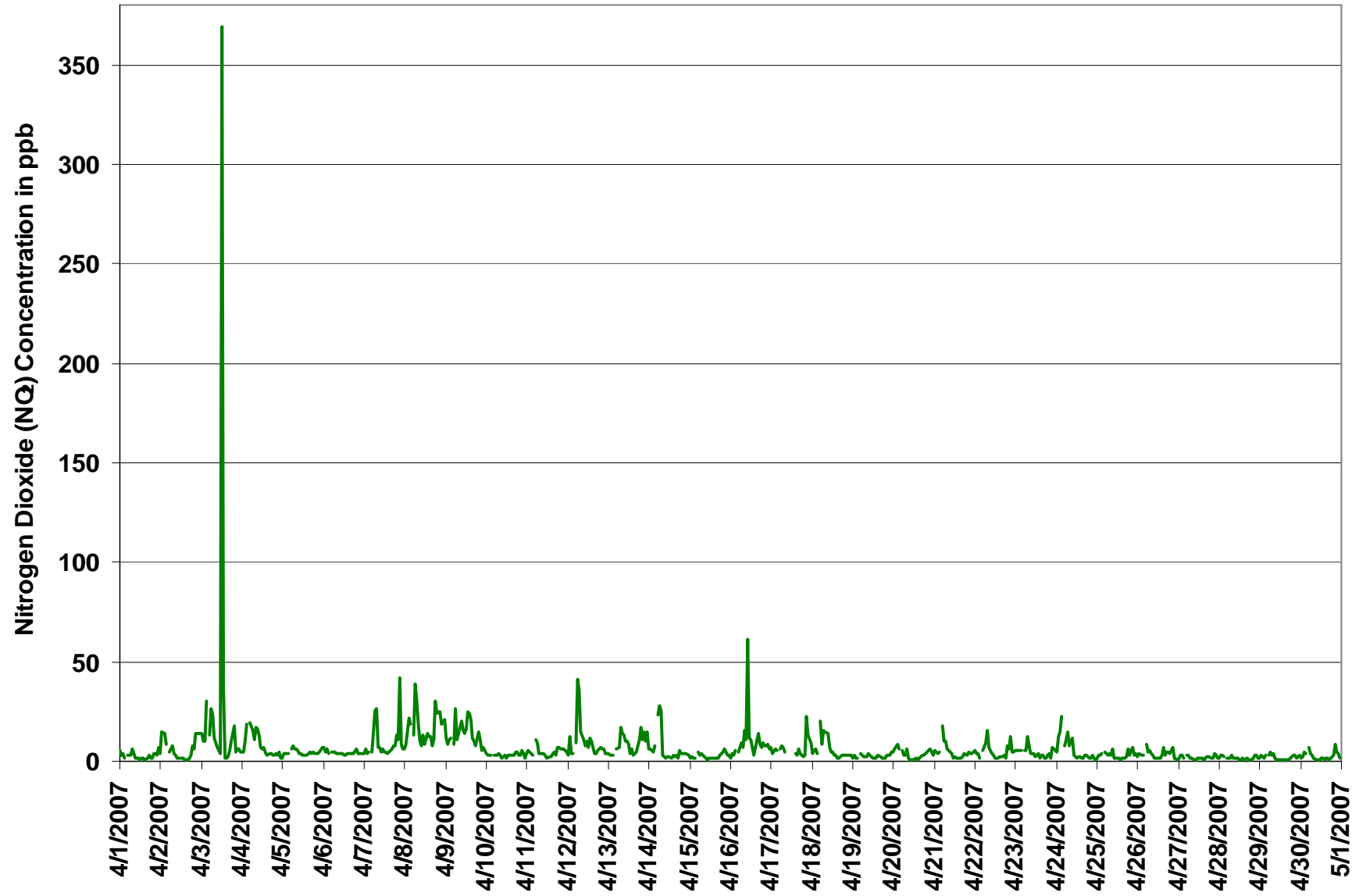
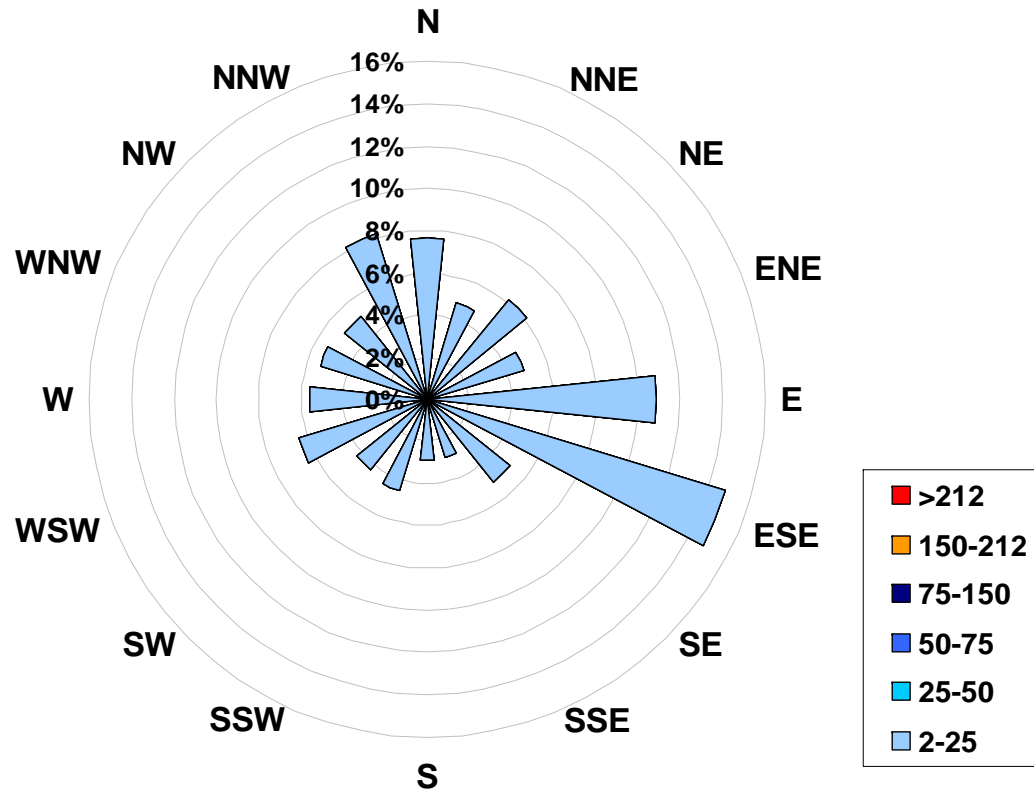


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Nitrogen Dioxide (in ppb) Located at the Beaverlodge Site for April 2007



Calms: 1%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		684
25	to 50		1
50	to 75		0
75	to 150		0
150	to 212		0
	> 212		0
Total Non-Zero Values			685

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

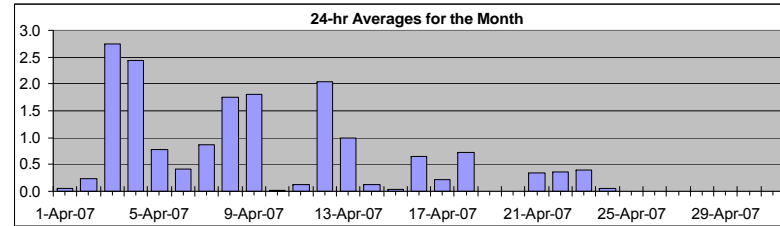
Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	29.2	ppb	3-Apr	12:00 13:00
Maximum 24-hr Average:	2.7	ppb	3-Apr	

AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	7.0	3.6	0.1	0.0	0.0	0.0	0.0	0.6 ppb	0.0 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
2-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.4
3-Apr-07	0	0	0	0	A	0	1	7	6	6	5	3	29	1	1	1	1	0	1	0	0	0	0	0	2.7	29.2	
4-Apr-07	0	0	0	0	A	0	1	2	4	18	11	7	6	5	2	1	0	0	0	0	0	0	0	0	2.4	17.7	
5-Apr-07	0	0	0	0	A	0	0	1	3	3	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0.8	3.3	
6-Apr-07	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0.4	1.2	
7-Apr-07	0	0	0	0	A	0	1	2	1	2	3	3	2	2	1	0	1	1	0	0	0	0	0	0	0.9	3.4	
8-Apr-07	0	0	0	0	A	0	6	3	7	3	4	4	3	4	3	1	0	0	0	0	0	0	0	0	1.7	6.8	
9-Apr-07	0	0	0	0	A	0	0	1	2	4	6	4	5	6	7	4	1	1	0	0	0	0	0	0	1.8	6.9	
10-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
11-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0.1	1.0	
12-Apr-07	0	0	0	0	A	0	5	10	6	5	4	4	3	4	4	2	1	0	0	0	0	0	0	0	2.0	9.9	
13-Apr-07	0	0	0	0	A	0	0	2	4	4	5	4	3	0	1	0	0	0	0	0	0	0	0	0	1.0	4.7	
14-Apr-07	0	0	0	0	A	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	2.2	
15-Apr-07	0	0	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.6	
16-Apr-07	0	0	0	0	A	0	0	0	2	3	3	3	2	1	0	0	1	0	0	0	0	0	0	0	0.6	2.9	
17-Apr-07	0	0	0	0	A	0	0	1	2	C	C	C	C	A	0	0	1	0	0	0	0	0	0	0	0.2	2.0	
18-Apr-07	0	0	0	0	A	0	0	1	3	7	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.7	7.2	
19-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
20-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
21-Apr-07	0	0	0	0	A	0	0	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.2	
22-Apr-07	0	0	0	0	A	0	0	3	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2.7	
23-Apr-07	0	0	0	0	A	0	0	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4	3.4	
24-Apr-07	0	0	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5	
25-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	
26-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
27-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
28-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
29-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
30-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
Hourly Avg	0.0	0.0	0.0	0.0	N	0.0	0.5	1.5	1.7	2.2	1.8	1.4	2.0	0.9	0.7	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0			
Hourly Max	0.0	0.0	0.0	0.0	0.0	0.0	5.9	9.9	6.8	17.7	10.6	7.1	29.2	6.1	6.9	4.3	1.2	1.0	1.3	0.3	0.0	0.0	0.0	0.0			

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

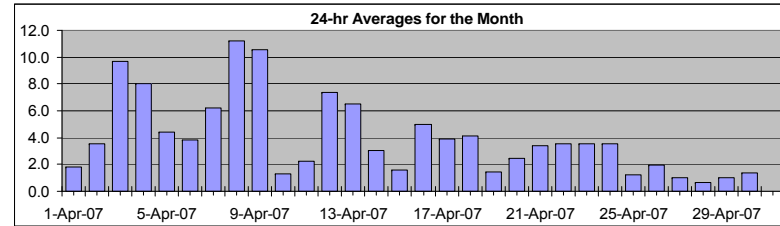
Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	50.2	ppb	3-Apr	12:00 13:00
Maximum 24-hr Average:	11.2	ppb	8-Apr	

AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	19.8	12.4	4.6	2.4	1.2	0.6	0.1	4.0 ppb	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																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Apr-07	3	2	1	2	A	2	2	5	3	2	2	1	1	1	1	1	1	1	1	1	2	3	1	3	1.8	4.8
2-Apr-07	2	6	3	4	A	4	4	5	3	3	3	2	2	1	1	1	1	2	2	4	3	5	8	10	3.6	10.1
3-Apr-07	12	8	5	10	A	8	19	24	14	11	10	6	50	4	2	2	2	8	8	4	4	4	3	9.7	50.2	
4-Apr-07	3	3	7	13	A	15	15	10	10	31	19	13	11	10	5	3	3	2	2	2	2	2	1	8.0	30.7	
5-Apr-07	2	3	3	3	A	5	6	7	8	8	6	5	4	4	3	4	4	4	4	2	3	4	4	6	4.4	8.1
6-Apr-07	5	4	4	4	A	4	4	4	4	5	4	4	4	4	3	3	3	4	4	3	4	3	3	3.8	5.1	
7-Apr-07	4	4	4	4	A	4	12	14	6	7	7	8	7	6	5	4	6	6	6	7	5	9	6	4	6.3	13.6
8-Apr-07	4	7	11	11	A	6	25	14	18	10	11	13	10	12	12	9	6	9	12	12	12	13	9	12	11.2	24.8
9-Apr-07	10	7	6	9	A	6	15	10	9	16	19	13	17	20	22	16	9	9	7	7	7	3	3	2	10.6	22.2
10-Apr-07	2	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1.3	1.7
11-Apr-07	1	1	1	1	A	3	5	2	2	2	2	1	1	1	1	1	2	4	2	3	3	2	3	2	2.3	5.3
12-Apr-07	1	3	2	3	A	4	21	27	16	14	10	11	8	10	11	6	3	2	2	4	2	3	2	3	7.3	27.0
13-Apr-07	3	3	3	3	A	4	5	14	15	11	13	12	9	3	4	3	3	4	5	5	10	7	8	6.5	14.9	
14-Apr-07	4	4	4	4	A	7	10	14	2	2	1	1	1	1	1	1	1	1	1	1	2	1	2	1	3.0	14.2
15-Apr-07	1	1	1	1	A	2	1	2	2	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1.6	3.4	
16-Apr-07	2	2	2	4	A	4	4	4	9	8	9	10	8	3	1	2	8	4	3	5	6	6	3	5.0	9.6	
17-Apr-07	4	3	4	4	A	4	5	5	5	C	C	C	C	A	2	2	3	2	2	2	2	10	6	5	3.9	10.3
18-Apr-07	3	3	4	3	A	10	5	7	9	17	8	5	5	3	1	1	1	1	1	1	1	1	2	2	4.1	17.4
19-Apr-07	1	1	1	1	A	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	3	1.5	3.1
20-Apr-07	4	4	6	3	A	3	2	2	2	1	1	1	1	1	1	1	1	2	2	2	3	4	4	3	2.5	6.1
21-Apr-07	4	4	4	4	A	5	7	9	7	6	4	3	2	1	1	1	1	2	2	2	2	2	3	2	3.4	9.0
22-Apr-07	3	2	2	1	A	3	5	10	7	7	4	3	2	2	2	2	2	2	2	3	3	6	3	3	3.5	10.4
23-Apr-07	3	4	4	4	A	5	5	12	7	4	4	4	2	3	2	2	2	1	2	2	2	1	3	4	3.5	11.6
24-Apr-07	3	8	9	15	A	5	6	6	5	5	2	2	1	1	1	1	1	2	2	1	1	1	1	1	3.5	15.5
25-Apr-07	1	1	1	1	A	2	2	2	2	2	1	1	0	1	1	1	1	1	1	1	2	2	1	1	1.2	2.3
26-Apr-07	1	2	2	2	A	4	3	3	3	2	2	1	1	1	2	2	2	2	1	1	3	3	1	0	1.9	3.6
27-Apr-07	1	1	2	1	A	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1.0	2.1
28-Apr-07	1	1	1	1	A	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	0.6	1.1
29-Apr-07	1	1	1	2	A	2	3	3	2	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1.0	3.2
30-Apr-07	1	1	2	2	A	5	3	2	1	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	1.3	5.3
Hourly Avg	3.0	3.2	3.5	4.1	N	4.4	6.7	7.4	5.9	6.2	5.1	4.3	5.2	3.3	3.1	2.6	2.5	2.4	2.8	2.9	2.9	3.8	3.1	3.2		
Hourly Max	11.6	7.5	10.8	15.5	0.0	14.8	24.8	27.0	18.3	30.7	19.1	12.9	50.2	19.6	22.2	16.3	9.2	9.1	12.4	11.8	11.5	13.4	8.8	12.4		

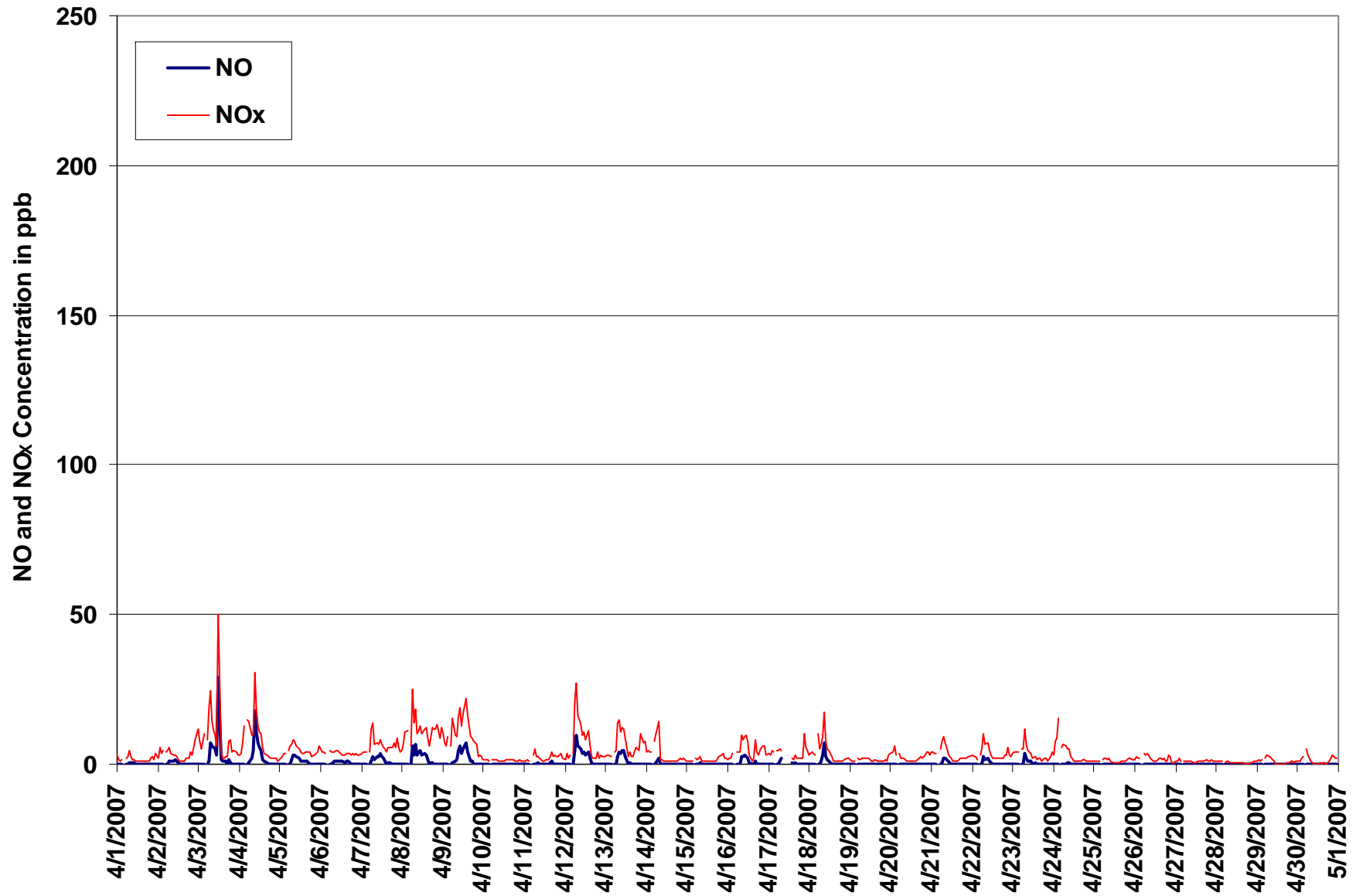


Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

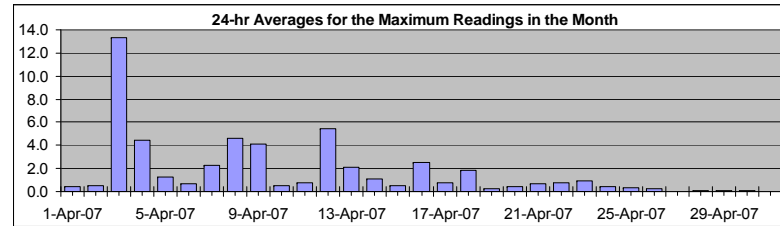
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	217.3	ppb	3-Apr	12:00 13:00
Maximum 24-hr Value:	13.3	ppb	3-Apr	



AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	19.6	7.8	1.0	0.0	0.0	0.0	0.0	1.7 ppb	0.0 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0.4	1.0
2-Apr-07	0	0	0	0	A	0	1	1	1	1	2	2	2	1	0	0	0	1	0	0	0	0	0	0	0.5	2.0
3-Apr-07	0	0	1	1	A	0	9	10	9	8	6	4	217	32	2	1	1	2	2	1	0	0	0	0	13.3	217.3
4-Apr-07	0	0	0	0	A	0	3	4	24	24	19	9	6	7	3	1	1	1	0	0	0	0	0	0	4.4	23.9
5-Apr-07	0	0	0	0	A	0	2	2	4	5	3	3	3	2	1	1	2	1	1	0	0	0	0	0	1.3	5.3
6-Apr-07	0	0	0	0	A	0	0	1	1	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0.7	2.0
7-Apr-07	0	0	0	0	A	0	6	16	3	3	4	5	3	2	2	1	2	2	1	1	0	1	0	0	2.2	16.0
8-Apr-07	0	0	0	0	A	1	28	11	15	6	6	7	5	12	6	5	1	1	3	0	0	0	0	0	4.6	28.3
9-Apr-07	0	0	0	0	A	0	1	2	6	14	8	8	8	15	15	12	2	2	1	0	0	0	0	0	4.1	15.1
10-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0.5	1.9
11-Apr-07	0	0	0	0	A	0	1	1	1	2	1	2	1	2	1	1	2	1	1	0	0	0	0	0	0.7	2.0
12-Apr-07	0	0	0	0	A	0	28	35	10	7	6	7	4	12	8	4	2	1	1	0	0	0	0	0	5.4	34.8
13-Apr-07	0	0	0	0	A	0	1	4	6	10	8	7	5	1	2	1	1	1	1	0	0	0	0	0	2.1	10.0
14-Apr-07	0	0	0	0	A	1	6	7	1	1	1	1	1	1	2	1	1	0	1	0	0	0	0	0	1.1	7.0
15-Apr-07	0	0	0	0	A	0	0	1	1	1	0	1	1	1	2	1	1	0	1	0	0	0	0	0	0.5	1.7
16-Apr-07	0	0	0	0	A	0	1	2	8	8	15	6	9	4	1	2	3	1	0	0	0	0	0	0	2.5	14.6
17-Apr-07	0	0	0	0	A	0	1	2	4	C	C	C	C	A	2	1	2	1	0	0	0	0	0	0	0.7	4.4
18-Apr-07	0	0	0	0	A	0	2	8	11	12	4	3	2	1	1	0	0	1	0	0	0	0	0	0	1.9	11.8
19-Apr-07	0	0	0	0	A	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0.3	1.0
20-Apr-07	0	0	0	0	A	0	0	0	8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.4	8.0
21-Apr-07	0	0	0	0	A	2	1	3	3	2	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0.7	2.9
22-Apr-07	0	0	0	0	A	0	1	8	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0.8	7.9
23-Apr-07	0	0	0	0	A	0	1	7	4	2	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0.9	6.7
24-Apr-07	0	0	0	0	A	0	1	3	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	3.9
25-Apr-07	0	0	0	0	A	0	0	1	1	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0.3	3.7
26-Apr-07	0	0	0	0	A	0	0	1	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0.2	1.0
27-Apr-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
28-Apr-07	0	0	0	0	A	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.8
29-Apr-07	0	0	0	0	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
30-Apr-07	0	0	0	0	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.0
Hourly Avg	0.0	0.0	0.0	0.0	N	0.1	3.1	4.4	4.3	4.2	3.2	2.5	9.4	3.3	1.7	1.2	0.8	0.7	0.5	0.1	0.0	0.1	0.0	0.0		
Hourly Max	0.0	0.0	0.9	0.9	0.0	1.9	28.3	34.8	23.5	23.9	18.8	8.9	217.3	31.6	15.1	12.3	3.0	2.4	3.0	0.9	0.0	1.0	0.0	0.0		

Station: Beaverlodge
 Station Owner: PASZA

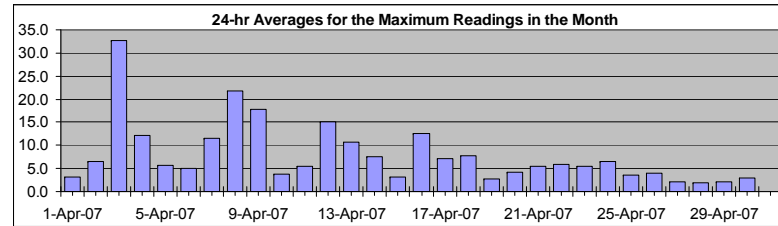
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	415.3	ppb	3-Apr	12:00 13:00
Maximum 24-hr Value:	32.6	ppb	3-Apr	



AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	41.0	23.7	8.0	4.4	2.9	1.3	0.9	7.9 ppb	4.4 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-Apr-07	5	3	4	2	A	2	3	7	5	3	3	2	2	2	2	1	2	4	2	2	4	3	7	3.2	7.1		
2-Apr-07	3	15	14	9	A	5	7	9	5	4	4	4	3	3	1	2	2	2	3	8	7	15	15	14	6.6	15.0	
3-Apr-07	14	10	10	32	A	14	32	34	18	15	12	8	415	68	4	3	3	7	11	19	5	6	6	5	32.6	415.3	
4-Apr-07	4	5	10	19	A	20	17	14	40	39	31	16	12	13	8	4	5	5	3	3	4	3	5	2	12.3	40.1	
5-Apr-07	2	3	4	4	A	6	9	8	9	11	7	6	6	5	4	5	7	5	6	4	5	4	5	7	5.7	10.7	
6-Apr-07	7	5	6	4	A	5	5	6	6	6	6	6	5	4	5	5	5	5	7	4	4	4	4	4	5.1	6.9	
7-Apr-07	4	7	4	5	A	5	32	37	10	10	9	10	9	6	6	5	8	10	9	14	11	44	8	6	11.6	43.6	
8-Apr-07	6	8	22	19	A	14	64	41	34	16	14	21	13	25	19	18	8	11	34	24	25	25	19	21	21.8	64.2	
9-Apr-07	12	9	11	11	A	9	27	12	20	35	24	22	25	40	39	34	14	12	9	16	11	5	7	6	17.7	40.5	
10-Apr-07	4	3	3	3	A	3	3	5	4	2	4	4	3	5	4	4	4	6	6	4	3	6	4	2	3.8	5.8	
11-Apr-07	4	5	4	3	A	12	10	4	5	6	5	5	3	4	4	5	7	4	8	7	6	6	6	4	5.5	11.7	
12-Apr-07	3	12	4	4	A	10	65	71	25	18	14	16	11	22	18	10	6	6	6	7	6	6	4	4	15.1	71.3	
13-Apr-07	3	3	3	3	A	6	8	20	20	22	18	17	14	5	8	4	5	9	12	18	10	15	9	15	10.7	21.7	
14-Apr-07	6	6	5	8	A	24	34	33	4	3	3	4	3	2	4	4	4	3	6	4	4	4	4	3	7.6	34.2	
15-Apr-07	2	2	1	2	A	4	3	5	4	3	2	3	3	3	4	2	3	2	4	5	6	5	3	3	3.1	5.5	
16-Apr-07	2	4	3	5	A	5	10	9	23	18	78	17	20	11	3	8	17	11	7	10	7	8	9	6	12.6	78.3	
17-Apr-07	7	4	6	6	A	6	8	9	8	C	C	C	C	A	6	4	8	4	3	2	3	23	14	9	7.2	22.8	
18-Apr-07	4	6	6	4	A	21	11	22	24	26	11	8	7	4	3	2	2	2	3	3	2	3	3	3	7.8	25.8	
19-Apr-07	2	3	2	2	A	4	2	3	3	5	3	3	2	2	2	3	3	2	2	2	4	3	3	5	2.7	4.9	
20-Apr-07	5	6	9	6	A	5	3	3	15	2	1	1	2	2	1	2	2	4	4	3	5	6	6	3	4.2	14.8	
21-Apr-07	6	5	4	5	A	20	10	12	9	7	6	3	3	2	2	2	2	3	4	3	5	4	4	5	5.4	20.4	
22-Apr-07	6	4	4	2	A	5	11	24	10	9	6	4	3	2	2	3	3	3	2	8	7	13	4	4	6.0	23.8	
23-Apr-07	6	5	6	5	A	6	7	19	11	5	5	6	3	5	3	4	4	2	2	2	4	1	7	6	5.4	18.8	
24-Apr-07	5	13	15	23	A	8	11	18	9	15	3	3	2	3	3	3	1	3	3	2	2	3	2	1	6.5	22.8	
25-Apr-07	2	3	3	5	A	5	3	5	3	10	2	2	2	2	2	1	2	2	3	7	4	6	7	3	3	3.6	9.8
26-Apr-07	2	3	3	3	A	9	5	6	5	4	3	2	2	2	4	8	3	6	5	4	6	7	2	1	4.1	8.9	
27-Apr-07	2	3	3	2	A	3	4	2	2	1	1	1	1	2	1	1	1	3	2	2	2	3	2	2	2.0	3.6	
28-Apr-07	1	3	3	2	A	1	2	4	2	2	2	2	1	1	1	1	2	2	1	1	2	3	3	1	1.9	4.1	
29-Apr-07	1	2	2	2	A	3	5	4	5	2	2	1	1	1	1	1	1	1	2	2	3	3	2	2	2.1	4.9	
30-Apr-07	2	2	5	4	A	7	5	3	2	1	2	1	2	2	1	2	3	1	2	3	9	4	4	3	2.9	8.8	
Hourly Avg	4.4	5.4	5.9	6.7	N	8.2	13.8	14.9	11.2	10.3	9.6	6.8	19.9	8.5	5.4	5.0	4.5	4.6	5.7	6.4	5.8	8.0	5.6	5.2			
Hourly Max	14.0	15.0	21.9	31.6	0.0	24.2	64.8	71.3	40.1	39.0	78.3	21.9	415.3	68.1	38.9	33.7	17.4	11.7	34.0	24.5	25.5	43.6	18.6	21.3			

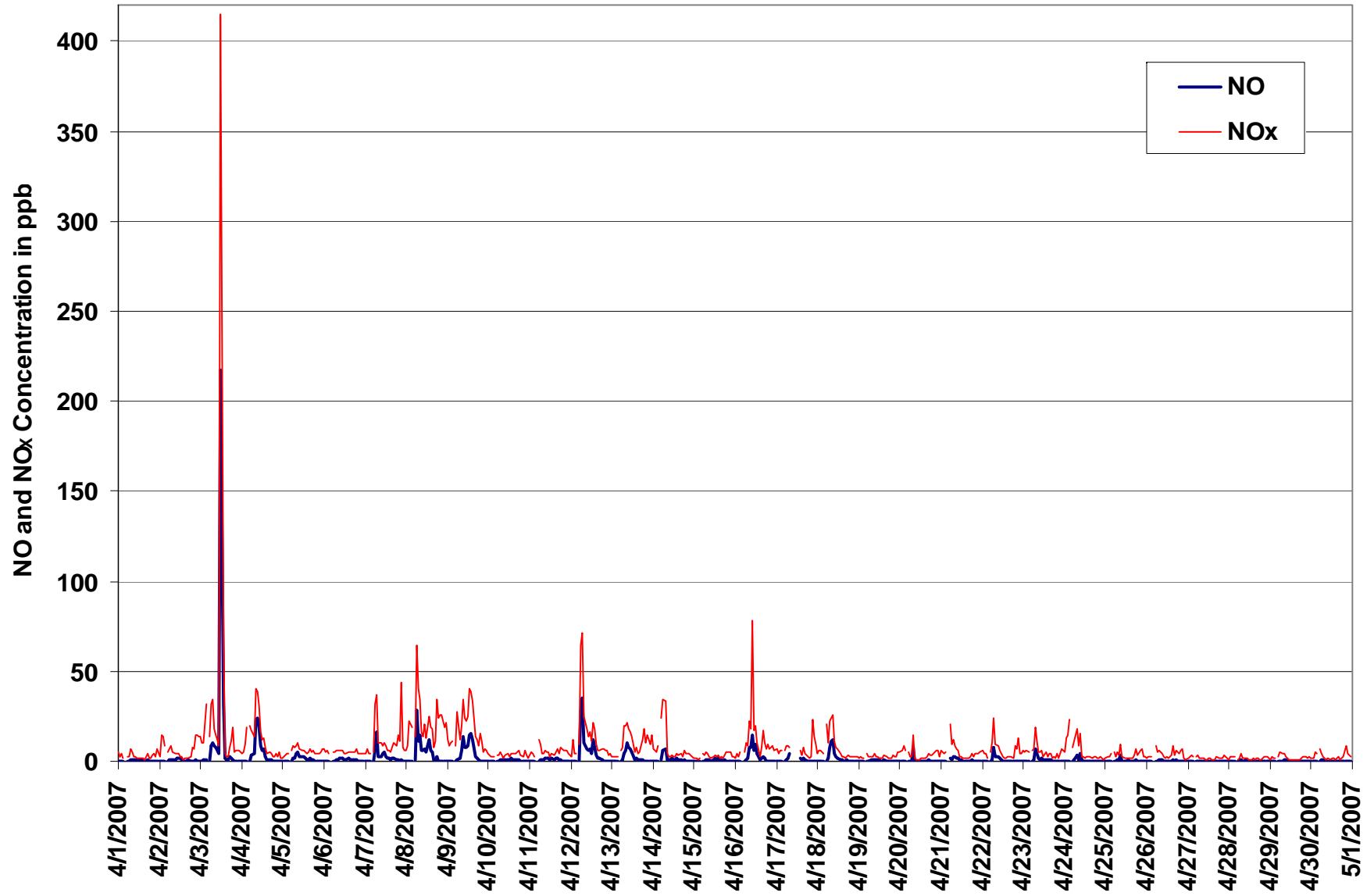


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

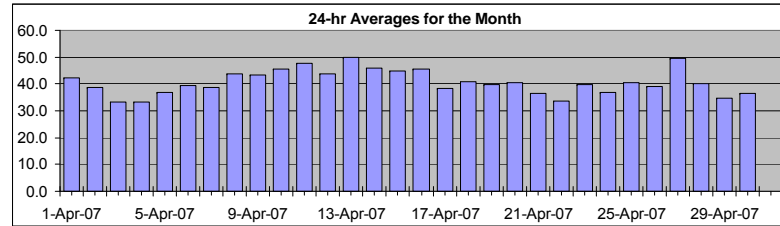
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:	0		
Maximum 1-hr Average:	63.1 ppb	8-Apr	16:00 17:00
Maximum 24-hr Average:	49.7 ppb	13-Apr	

AIC Time:	31 hrs	Operational Time:	687 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	59.0	52.1	45.3	41.3	36.4	27.1	21.5	40.6 ppb	41.3 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																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
1-Apr-07	41	42	42	41	A	40	40	38	41	42	42	42	43	44	44	45	45	45	44	44	42	41	41	39	42.1	45.5	
2-Apr-07	40	36	39	38	A	38	38	38	39	39	39	40	41	43	43	43	43	42	41	36	37	36	30	26	38.5	43.4	
3-Apr-07	24	29	34	29	A	30	20	19	27	30	34	39	37	39	40	41	41	41	36	34	38	38	34	32	33.4	41.4	
4-Apr-07	32	31	27	22	A	18	19	25	27	22	27	30	32	37	39	40	41	42	43	43	42	42	41	41	33.1	42.9	
5-Apr-07	39	36	34	32	A	29	27	28	29	32	34	36	39	42	44	45	43	44	42	42	40	39	38	35	36.9	44.8	
6-Apr-07	35	37	37	38	A	35	36	37	37	38	39	40	42	43	44	44	43	42	42	41	40	38	38	38	39.3	44.4	
7-Apr-07	35	33	32	31	A	30	24	24	30	31	33	35	38	41	47	50	53	52	51	47	47	40	41	43	38.6	52.8	
8-Apr-07	41	36	31	28	A	32	20	27	28	32	34	36	42	45	50	59	63	62	59	59	56	54	57	50	43.6	63.1	
9-Apr-07	50	51	48	44	A	45	34	39	43	40	39	42	39	37	37	45	53	52	47	43	41	44	43	42	43.4	52.5	
10-Apr-07	42	43	43	44	A	42	43	44	44	45	46	47	48	47	47	48	48	48	47	47	47	47	46	46	45.6	48.0	
11-Apr-07	46	46	45	46	A	43	41	44	45	47	49	51	51	51	52	51	49	50	49	49	49	47	46	47	47.6	51.8	
12-Apr-07	48	45	46	43	A	41	29	28	34	38	39	38	41	42	43	48	52	52	52	50	50	48	49	47	43.6	52.2	
13-Apr-07	47	46	45	45	A	42	41	34	35	39	41	46	57	63	57	60	62	59	57	55	56	51	53	52	49.7	63.0	
14-Apr-07	53	49	44	40	A	37	39	36	44	47	49	49	50	52	50	48	49	49	47	46	45	45	44	45	46.0	53.2	
15-Apr-07	46	45	45	45	A	43	44	43	43	44	45	45	45	45	44	45	46	47	46	44	44	44	46	46	44.8	47.1	
16-Apr-07	46	45	45	42	A	42	42	43	39	42	43	43	46	52	53	54	48	51	51	47	46	44	43	45	45.7	53.6	
17-Apr-07	43	39	31	27	A	28	32	32	33	36	40	42	43	43	44	44	43	45	44	45	43	34	37	38	38.5	44.8	
18-Apr-07	42	41	39	38	A	28	36	38	35	25	37	44	48	52	47	46	46	46	45	43	42	42	40	40	40.8	52.0	
19-Apr-07	41	40	40	40	A	37	37	36	36	37	37	37	39	40	42	42	42	41	42	41	43	41	41	38	39.6	42.7	
20-Apr-07	37	36	34	37	A	37	38	38	38	40	42	43	44	44	46	48	48	47	46	45	39	36	36	36	40.6	48.2	
21-Apr-07	34	30	30	30	A	26	23	24	27	32	40	43	47	50	51	50	47	47	42	38	35	34	32	32	36.7	50.8	
22-Apr-07	31	31	30	33	A	27	20	19	22	24	31	36	39	41	43	45	45	45	44	37	34	27	33	33	33.5	45.2	
23-Apr-07	39	37	36	36	A	31	31	25	29	30	34	C	C	A	48	49	48	47	47	48	48	48	43	38	39.6	48.6	
24-Apr-07	41	37	29	22	A	30	33	31	37	37	41	41	43	41	42	41	41	39	38	38	35	35	39	40	37.0	42.6	
25-Apr-07	39	38	37	37	A	35	34	36	37	39	43	46	47	46	46	46	46	45	43	41	38	39	39	38	40.6	46.5	
26-Apr-07	40	38	36	34	A	31	33	32	34	38	42	44	45	46	46	44	43	41	41	39	34	32	38	44	38.9	46.3	
27-Apr-07	41	38	35	42	A	48	48	49	50	51	52	53	54	57	58	58	58	56	52	52	51	46	45	46	49.5	57.6	
28-Apr-07	47	43	39	37	A	44	42	43	44	45	46	46	46	44	41	39	38	38	38	36	34	33	30	28	40.2	47.3	
29-Apr-07	28	28	27	27	A	26	24	25	30	33	38	40	40	41	43	43	43	41	40	39	37	33	34	33	34.5	43.2	
30-Apr-07	32	33	30	30	A	24	27	30	35	37	39	40	41	42	43	43	42	43	43	40	38	36	35	36	36.4	42.9	
Hourly Avg	40.1	38.7	37.0	35.9	N	34.6	33.2	33.5	35.7	37.0	39.8	41.9	43.7	45.2	45.9	46.8	46.9	46.7	45.2	43.6	42.4	40.5	40.4	39.8			
Hourly Max	53.2	51.4	48.2	46.1	0.0	48.4	48.3	49.4	50.2	51.2	52.3	52.9	57.0	63.0	57.6	60.2	63.1	62.2	59.0	59.2	56.4	53.6	56.7	51.9			

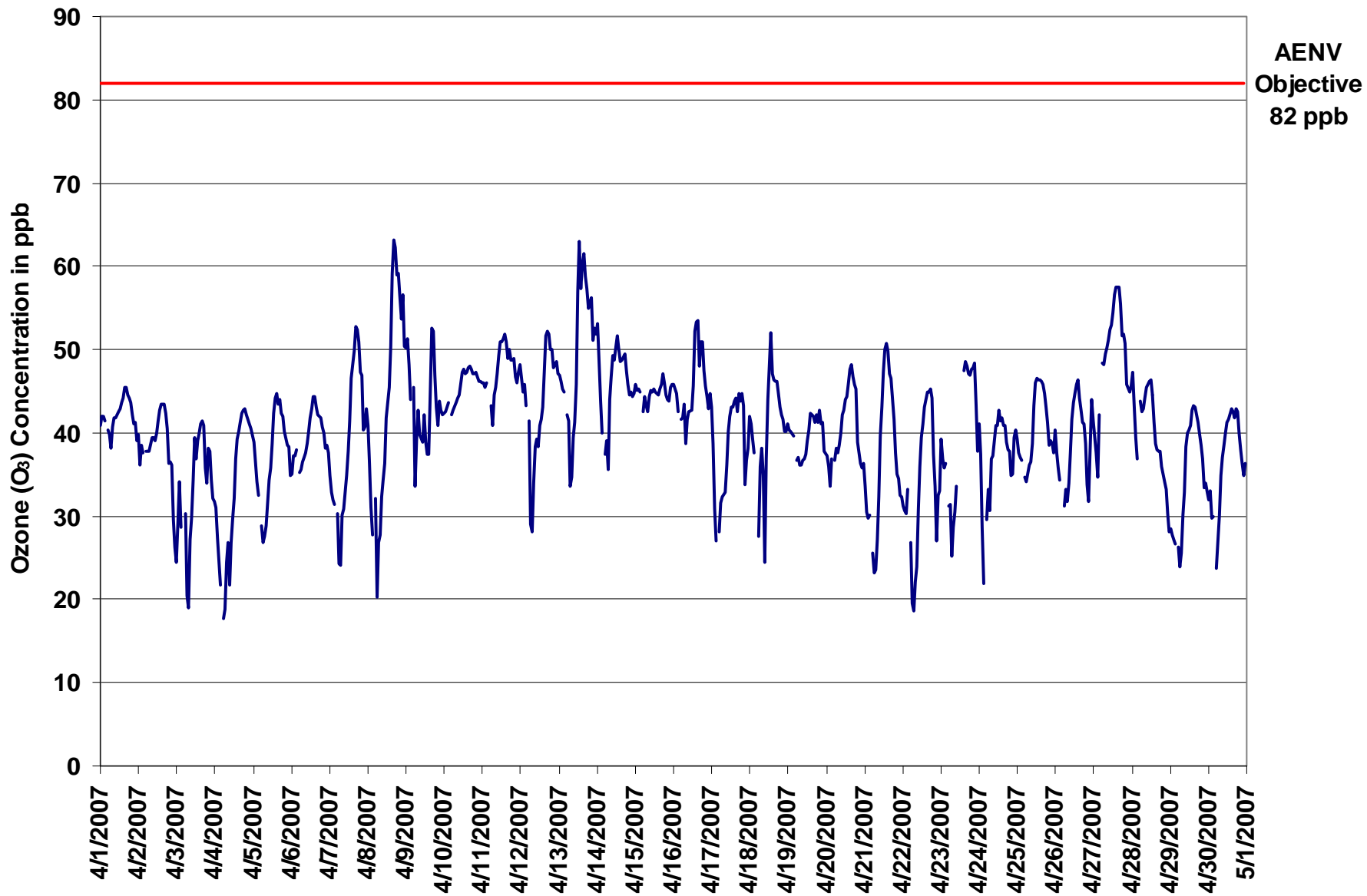


Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

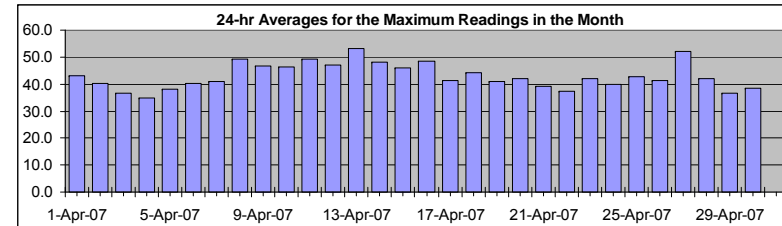
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	68.5	ppb	8-Apr	18:00 19:00
Maximum 24-hr Value:	53.2	ppb	13-Apr	

AIC Time:	31 hrs	Operational Time:	687 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	63.2	54.4	46.8	43.3	38.7	30.2	26.2	43.0 ppb	43.3 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-Apr-07	42	43	43	42	A	41	40	40	42	43	43	43	43	44	45	47	46	46	45	44	43	43	42	41	43.1	46.8	
2-Apr-07	41	40	40	40	A	39	39	39	40	40	40	41	42	44	44	44	44	43	42	39	39	41	32	32	40.2	44.0	
3-Apr-07	27	35	38	39	A	33	28	25	30	33	37	41	41	40	41	42	42	42	41	39	39	39	37	33	36.5	42.1	
4-Apr-07	32	32	29	26	A	21	24	29	29	26	30	32	33	41	40	41	42	43	43	43	43	42	41	41	35.0	43.4	
5-Apr-07	40	38	35	33	A	30	28	28	30	34	35	37	41	44	45	46	45	45	44	43	42	39	39	37	38.2	45.9	
6-Apr-07	37	38	38	38	A	36	36	37	37	38	39	41	43	44	45	45	44	43	42	42	41	39	39	39	40.1	45.3	
7-Apr-07	36	34	32	32	A	31	30	29	31	32	34	38	40	44	48	52	54	55	53	53	49	45	42	45	40.9	54.9	
8-Apr-07	43	39	36	36	A	34	33	35	34	36	37	39	43	49	61	63	66	66	69	68	63	63	62	57	49.3	68.5	
9-Apr-07	55	52	51	46	A	48	46	41	44	43	42	45	44	41	44	53	54	54	50	45	43	45	44	43	46.8	55.3	
10-Apr-07	43	43	44	44	A	43	44	44	45	45	47	48	48	48	48	49	49	49	48	48	48	48	47	47	46.5	48.9	
11-Apr-07	47	47	47	47	A	45	44	46	46	49	52	52	52	52	53	53	51	51	51	52	51	49	48	48	49.2	52.9	
12-Apr-07	49	48	47	45	A	43	43	44	43	41	41	40	42	44	46	51	53	53	53	52	52	50	50	49	46.9	53.3	
13-Apr-07	48	47	46	45	A	43	44	43	38	42	45	53	67	66	61	62	63	62	59	59	59	59	59	56	53.2	67.3	
14-Apr-07	54	52	46	42	A	46	46	43	47	51	50	50	51	53	51	50	50	51	49	47	46	46	45	46	48.3	54.1	
15-Apr-07	46	46	46	46	A	45	46	45	44	45	46	46	46	46	45	46	47	48	48	46	46	47	47	47	46.0	47.8	
16-Apr-07	46	46	46	44	A	44	44	45	45	44	46	47	53	54	54	56	53	55	55	51	49	47	47	48	48.6	55.6	
17-Apr-07	47	43	33	30	A	37	36	34	34	38	42	43	44	44	45	45	44	46	45	46	45	44	43	42	41.3	46.8	
18-Apr-07	45	46	47	39	A	35	41	45	43	32	44	46	51	53	52	47	47	47	46	44	43	43	41	41	44.2	52.9	
19-Apr-07	42	41	41	40	A	38	38	37	37	37	38	39	40	42	43	43	43	42	43	43	43	43	43	41	40.8	43.3	
20-Apr-07	39	37	36	40	A	39	39	39	39	41	43	43	45	46	47	49	49	48	47	46	42	38	37	38	42.0	48.9	
21-Apr-07	36	32	31	32	A	31	25	27	30	39	42	46	49	51	53	53	48	49	46	39	36	36	34	34	39.1	53.4	
22-Apr-07	34	33	34	34	A	34	29	28	30	29	36	38	42	42	45	46	46	46	46	46	42	37	34	36	36	37.3	46.4
23-Apr-07	44	41	39	38	A	34	32	30	30	33	37	C	C	A	50	50	49	48	48	50	50	49	48	42	42.0	50.1	
24-Apr-07	42	42	34	27	A	37	39	37	41	42	42	43	44	43	43	42	42	41	40	40	37	39	41	42	40.0	44.2	
25-Apr-07	41	39	38	38	A	36	38	38	38	42	46	47	48	48	48	47	48	47	45	44	41	42	41	40	42.6	47.7	
26-Apr-07	42	39	37	36	A	35	37	34	37	40	45	45	46	48	48	46	44	44	43	41	37	37	43	46	41.4	48.1	
27-Apr-07	43	39	39	48	A	50	50	51	51	53	54	55	57	59	59	59	59	59	54	54	54	50	52	48	52.1	59.4	
28-Apr-07	49	48	43	39	A	45	44	45	46	47	47	48	48	47	43	41	40	39	39	38	35	35	32	30	42.0	49.1	
29-Apr-07	30	29	29	28	A	30	26	28	32	36	41	41	41	43	44	46	47	44	42	40	40	35	35	34	36.6	46.6	
30-Apr-07	34	34	32	33	A	26	30	34	37	38	41	41	44	43	45	45	43	44	44	43	39	40	37	39	38.6	44.8	
Hourly Avg	41.9	40.8	39.2	38.3	N	37.6	37.3	37.3	38.4	39.6	42.0	43.7	45.8	47.0	47.9	48.6	48.4	48.4	47.3	46.0	44.5	43.5	42.8	42.1			
Hourly Max	55.3	52.4	51.4	47.6	0.0	50.1	50.1	51.0	51.4	52.5	53.9	54.9	67.3	65.6	61.5	63.2	66.3	66.0	68.5	68.2	63.1	62.8	62.2	57.4			

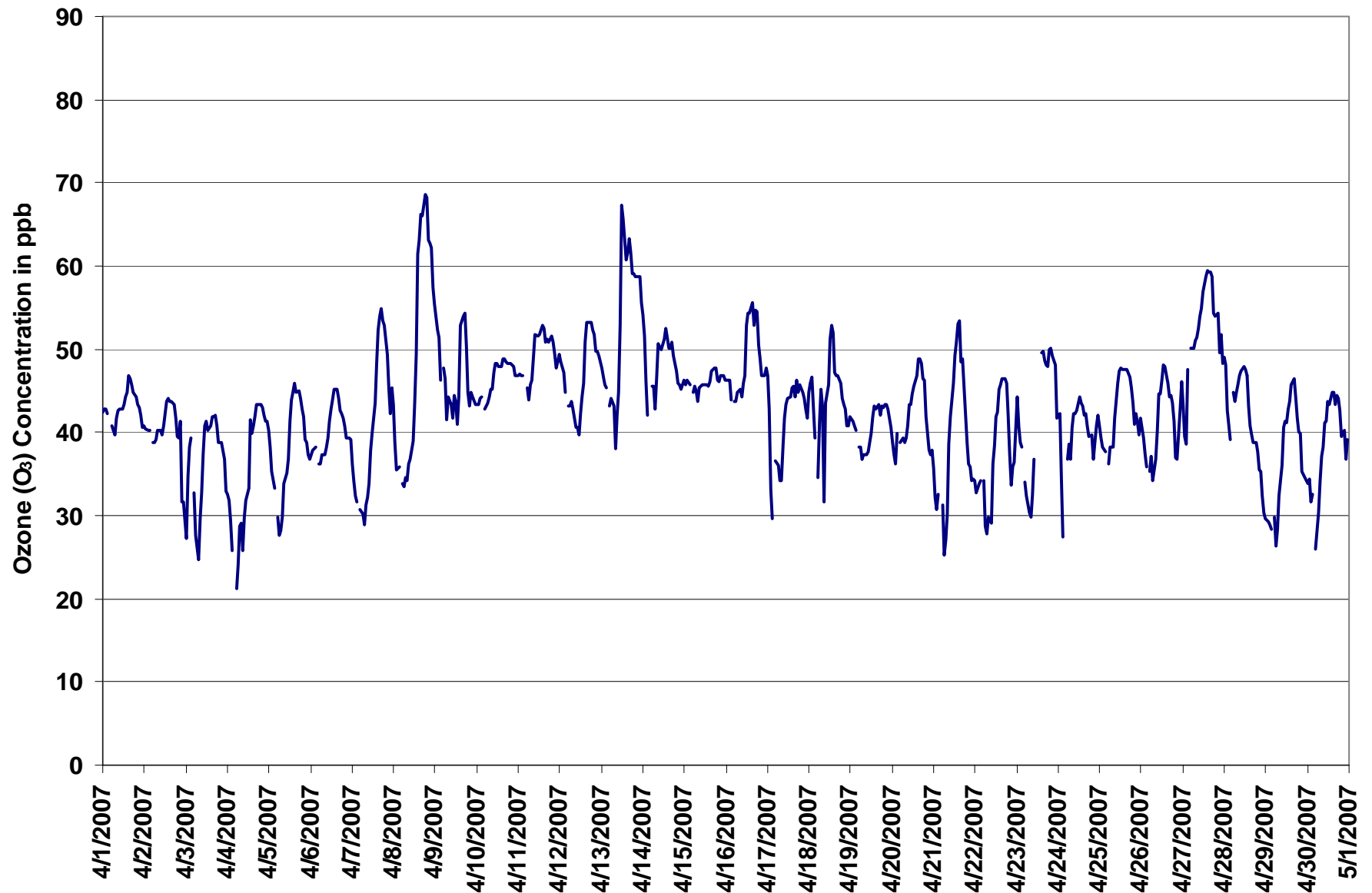
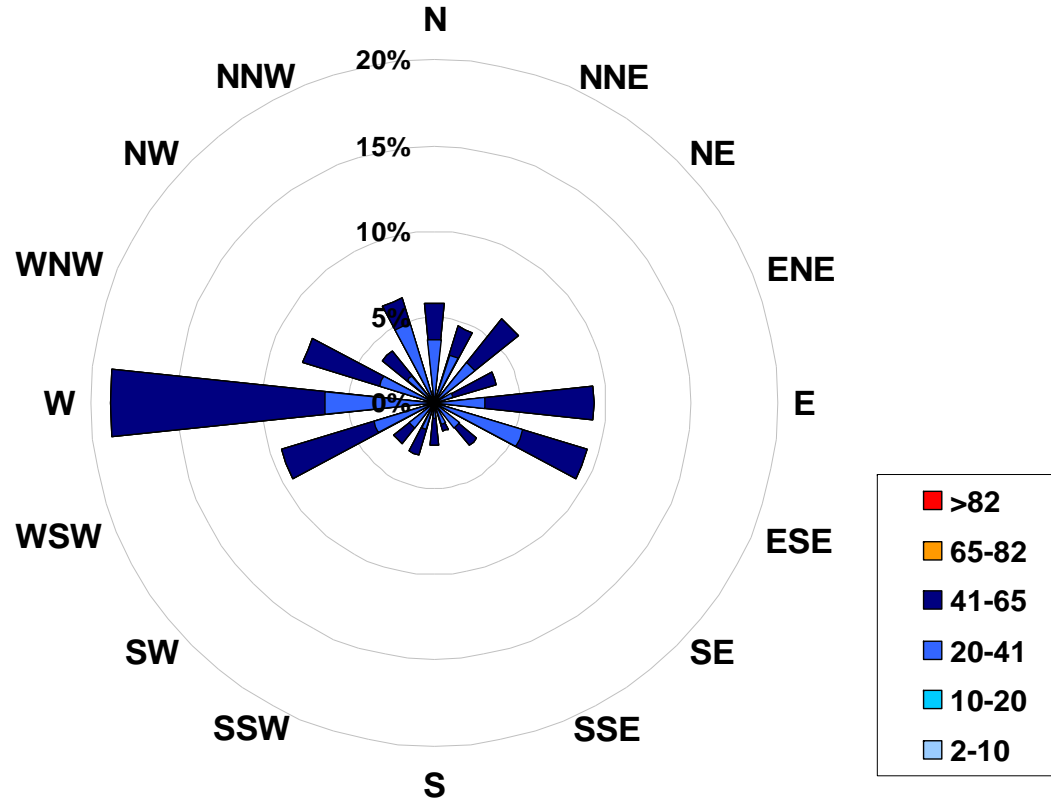


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Beaverlodge Site for April 2007



Calms: 1%

Frequency Distribution of O ₃ in ppb			
Range		Frequency (hrs)	
2.0	< 10	0	
10	to 20	5	
20	to 41	320	
41	to 65	362	
65	to 82	0	
	> 82	0	
Total Non-Zero Values			687

PASZA - Beaverlodge Ozone Eight Hour Average Summary

Station: Beaverlodge
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

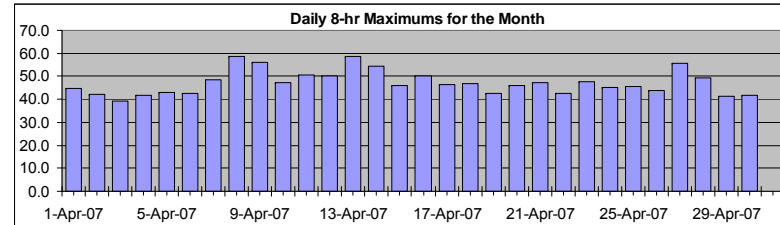
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 8-hr Exceedances:	0						
Maximum 8-hr Average:	58.8	ppb	13-Apr	19:00	20:00		

Percentile	99	95	75	50	25	5	1
	56.8	50.4	44.7	40.9	36.7	29.0	25.1



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	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Daily Maximum	
1-Apr-07	45	44	44	43	43	42	41	41	41	41	41	41	41	41	42	43	43	44	44	44	44	44	43	43	44.8	
2-Apr-07	42	41	40	39	39	39	38	38	38	38	38	39	39	40	40	41	42	42	42	42	42	41	40	39	36	42.2
3-Apr-07	34	32	32	31	30	29	28	27	27	27	27	29	30	31	33	36	38	39	39	39	39	39	38	37	39.3	
4-Apr-07	36	34	33	32	31	28	26	25	24	23	23	24	25	27	30	32	33	36	38	40	41	42	42	42	41.9	
5-Apr-07	42	41	40	38	38	36	34	32	31	30	30	31	32	33	35	38	39	41	42	43	43	43	42	40	42.9	
6-Apr-07	39	39	38	37	37	37	36	36	37	37	37	37	38	39	40	41	42	42	43	43	42	42	41	40	42.7	
7-Apr-07	39	38	37	36	35	34	32	30	29	29	29	30	31	32	35	38	41	44	46	47	49	48	48	47	48.5	
8-Apr-07	45	43	41	38	37	36	33	31	29	28	29	30	31	33	37	41	45	49	52	55	57	58	59	58	58.7	
9-Apr-07	56	55	53	51	51	49	46	45	43	42	40	40	40	39	40	40	42	43	44	44	44	44	45	46	56.0	
10-Apr-07	44	43	43	43	43	43	43	43	43	43	44	44	45	45	46	46	47	47	47	47	47	47	47	47	47.4	
11-Apr-07	47	47	46	46	46	46	45	45	45	45	45	46	47	48	49	50	50	50	50	50	50	49	49	48	50.5	
12-Apr-07	48	47	47	46	46	45	43	40	38	37	36	35	36	36	38	40	43	44	46	47	49	49	50	50	50.0	
13-Apr-07	49	49	48	47	47	46	45	43	41	40	40	40	42	45	47	50	53	56	58	59	59	57	57	56	58.8	
14-Apr-07	54	53	52	50	49	47	45	43	41	41	42	43	44	46	47	49	49	50	49	49	48	47	47	46	54.5	
15-Apr-07	46	45	45	45	45	45	45	44	44	44	44	44	44	44	44	45	45	45	45	45	45	45	45	45	45.9	
16-Apr-07	45	45	45	45	45	44	44	44	43	42	42	42	42	44	45	46	47	49	50	50	50	49	48	47	50.3	
17-Apr-07	46	45	42	40	39	37	35	33	32	31	33	35	36	38	39	41	42	43	43	44	44	43	42	41	46.3	
18-Apr-07	41	40	40	39	38	37	37	37	36	34	34	35	36	39	41	42	43	46	47	47	46	45	44	43	46.8	
19-Apr-07	42	42	41	41	40	40	39	39	38	38	37	37	37	37	38	39	40	40	41	41	41	42	42	41	42.4	
20-Apr-07	41	40	39	38	38	37	37	37	37	37	39	39	40	41	42	43	44	45	46	46	45	44	43	42	46.0	
21-Apr-07	40	38	36	34	33	32	30	28	27	27	29	31	33	36	39	43	45	47	47	46	45	43	41	38	47.0	
22-Apr-07	36	34	33	32	32	31	29	27	26	25	25	27	29	32	35	38	41	42	43	42	40	39	37		42.5	
23-Apr-07	37	35	34	34	34	35	35	34	32	31	N	N	N	N	N	N	N	N	N	N	48	48	47	46	47.8	
24-Apr-07	45	44	42	38	37	34	33	32	31	31	33	36	37	38	39	40	41	41	41	40	39	39	38	38	45.0	
25-Apr-07	38	38	38	38	38	38	37	37	36	36	37	39	40	41	42	44	45	46	46	45	44	43	42	41	45.7	
26-Apr-07	40	40	39	38	38	37	36	35	34	34	35	36	37	39	41	42	43	44	44	43	42	40	39	39	43.8	
27-Apr-07	39	38	37	38	39	41	42	43	44	46	49	50	51	52	53	54	55	56	55	55	55	54	52	50	55.6	
28-Apr-07	49	48	46	44	43	43	43	42	42	42	43	44	45	45	45	44	43	42	41	40	38	37	36	34	49.2	
29-Apr-07	33	32	31	30	29	28	27	27	27	27	29	31	32	34	36	39	40	41	41	41	41	40	39	38	41.4	
30-Apr-07	36	35	34	33	32	31	30	29	30	30	32	33	34	36	38	40	41	41	42	42	42	41	40	39	42.0	

Hourly Max	56.0	54.6	53.3	51.4	50.6	49.5	46.2	44.6	44.5	46.3	48.9	50.4	50.9	51.9	53.1	54.1	55.0	55.6	57.6	58.8	58.7	57.9	58.7	57.6
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PASZA - Beaverlodge - Particulate Matter (less than 2.5 microns) Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

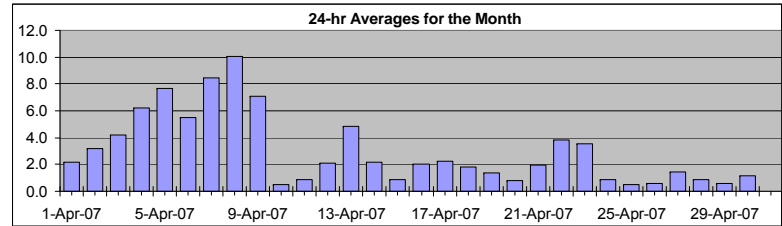
Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	23.0 µg/m ³ 8-Apr 21:00 22:00
Maximum 24-hr Value:	10.1 µg/m ³ 8-Apr

AIC Time:	0 hrs	Operational Time:	712 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	99.6%
Percentile	99	95	75
	12.6	9.4	4.6
	50	25	5
	1.9	0.5	0.0
	1	0.0	0.0
	Average / Median		3.0
	2 µg/m ³		2.0 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	2	2	2	2	2	4	3	2	1	2	2	2	2	2	1	1	3	2	2	3	2	3	3	2	2.1	3.8	
2-Apr-07	2	3	2	3	3	3	3	3	5	3	4	4	3	3	3	3	3	2	2	3	4	4	5	5	3.2	5.5	
3-Apr-07	5	4	4	5	3	3	5	5	3	4	5	4	4	3	3	4	8	2	4	4	4	5	5	5	4.2	8.2	
4-Apr-07	5	5	5	6	6	5	6	6	6	8	8	9	9	10	10	7	7	5	4	5	5	5	5	5	6.2	9.8	
5-Apr-07	5	6	6	7	8	8	12	10	10	10	9	9	8	9	7	7	7	7	6	6	6	7	7	7	7.6	11.6	
6-Apr-07	8	5	6	6	5	6	5	5	5	7	7	8	8	7	5	6	5	5	4	3	4	3	3	3	5.5	8.2	
7-Apr-07	3	4	5	6	7	7	8	6	8	8	11	12	11	10	9	8	12	13	9	11	9	8	9	8.4	12.6		
8-Apr-07	8	7	10	9	7	8	9	8	9	7	10	8	9	13	8	8	8	14	14	13	12	23	8	13	10.1	23.0	
9-Apr-07	11	7	5	11	8	6	9	8	8	9	10	9	12	12	11	11	10	7	5	3	0	0	0	0	7.1	12.0	
10-Apr-07	0	0	0	0	0	0	1	1	1	0	2	1	1	1	1	0	1	0	0	2	1	1	0	0	0.5	1.9	
11-Apr-07	0	0	0	0	0	1	0	2	6	0	0	0	0	0	0	2	0	2	1	0	1	3	0	2	0.9	5.8	
12-Apr-07	0	1	0	2	1	1	3	6	3	3	2	2	3	2	3	4	3	2	1	2	2	2	0	1	2.1	5.6	
13-Apr-07	1	1	0	2	0	1	1	1	2	1	6	9	13	5	3	2	2	16	13	8	6	10	8	5	4.9	16.2	
14-Apr-07	5	4	3	4	2	4	5	7	2	0	0	0	1	1	1	2	0	2	1	2	2	2	1	1	2.1	7.4	
15-Apr-07	1	1	0	1	1	2	2	1	2	0	0	1	1	1	1	0	0	0	1	0	0	2	1	0	0.9	2.3	
16-Apr-07	0	0	0	0	0	0	2	1	2	2	3	2	3	1	1	3	5	6	4	3	3	2	3	2	2.0	6.1	
17-Apr-07	1	0	0	0	1	1	1	0	0	8	0	0	D	D	3	8	4	3	1	2	2	6	2	4	2.2	8.3	
18-Apr-07	2	2	1	1	4	5	1	1	2	6	2	2	0	0	0	0	1	2	1	2	1	1	3	3	1.8	5.8	
19-Apr-07	2	1	1	0	1	0	0	1	1	1	4	3	3	2	3	3	2	2	1	1	0	0	0	1	1.4	3.6	
20-Apr-07	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2	2	1	2	2	1	1	1	2	0.8	2.1	
21-Apr-07	1	2	2	2	1	1	3	3	1	0	0	2	0	1	1	3	4	2	3	4	4	3	3	2	2.0	3.7	
22-Apr-07	2	2	2	2	2	3	3	4	2	3	2	2	3	4	2	4	8	6	7	6	5	6	6	6	3.8	7.8	
23-Apr-07	5	8	5	6	7	5	6	4	4	5	4	0	C	C	C	C	C	0	0	0	2	1	0	1	2	3.5	8.5
24-Apr-07	2	2	2	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	3.2	
25-Apr-07	1	0	0	1	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	3	3	0	1	0.5	2.9	
26-Apr-07	0	1	1	0	0	1	0	2	1	0	0	0	0	0	0	0	0	1	1	0	2	1	1	2	0.6	2.3	
27-Apr-07	0	1	0	0	1	1	2	1	1	2	1	0	0	0	0	1	1	1	3	4	5	5	3	3	1.5	4.8	
28-Apr-07	0	2	2	1	1	0	1	1	2	2	2	1	0	0	1	0	1	1	0	0	1	2	1	0	0.9	2.4	
29-Apr-07	0	1	0	0	0	0	0	0	0	0	D	0	0	0	0	0	0	3	1	1	2	1	1	2	0.6	2.8	
30-Apr-07	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	5	5	3	1.2	5.3	
Hourly Avg	2.4	2.5	2.2	2.6	2.7	2.7	3.1	3.0	3.0	3.1	3.3	3.0	3.3	3.1	2.6	3.1	3.3	3.7	3.1	3.1	3.1	3.9	2.8	2.9			
Hourly Max	10.7	8.5	9.6	11.1	8.1	8.3	11.6	9.6	10.4	9.9	11.1	12.0	12.6	12.8	11.5	10.7	12.2	16.2	14.1	12.7	11.9	23.0	8.4	12.6			

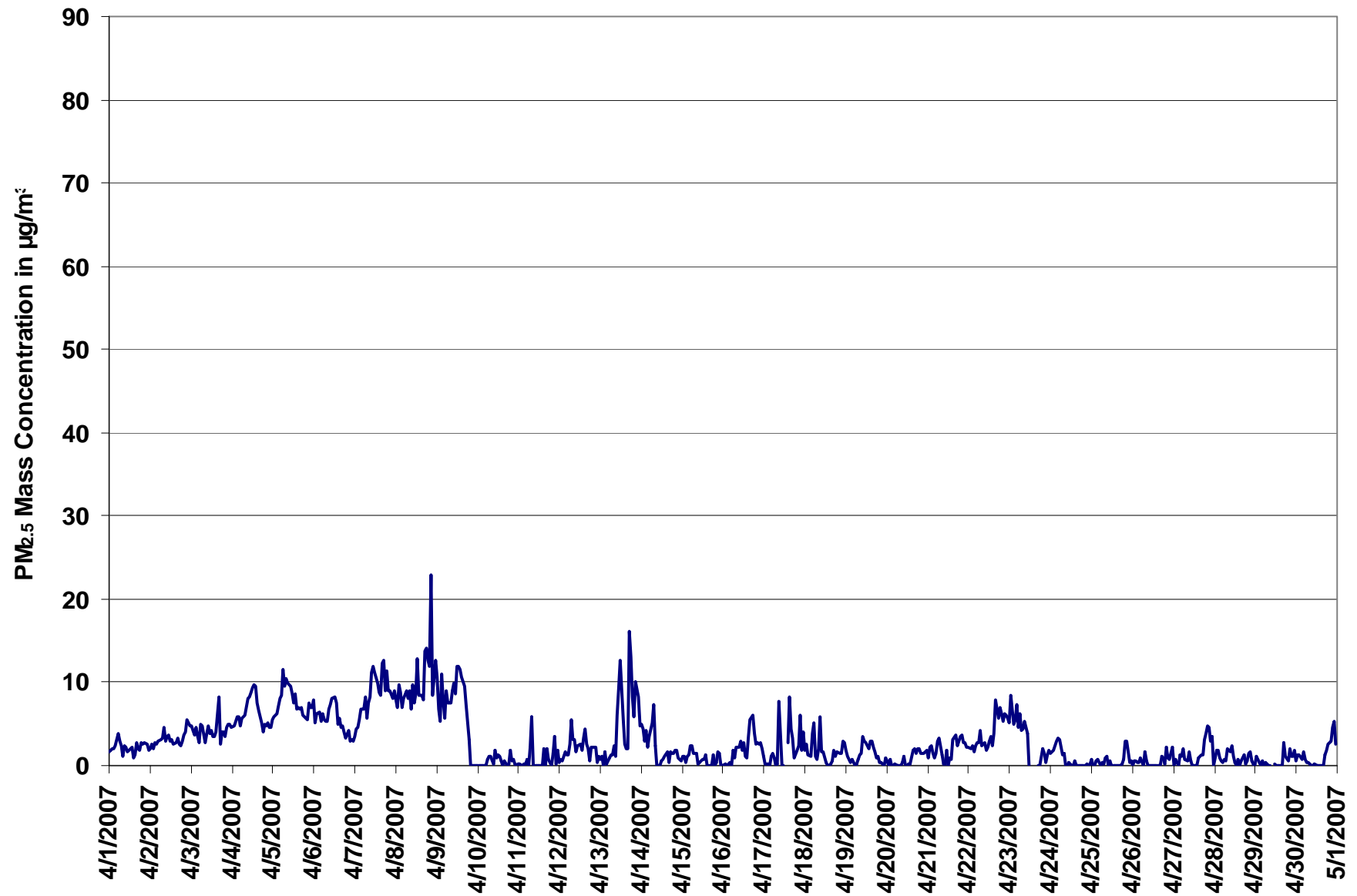


Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

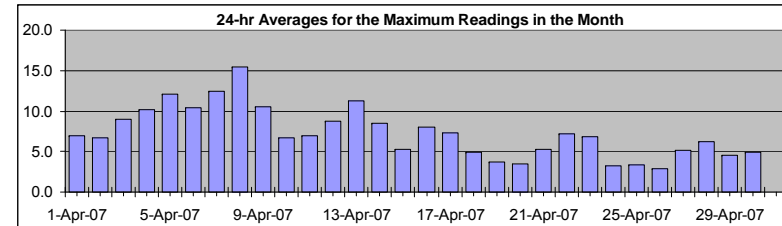
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	52.8	µg/m ³	8-Apr	21:00 22:00
Maximum 24-hr Value:	15.4	µg/m ³	8-Apr	



AIC Time:	0 hrs	Operational Time:	712 hrs							
Calibration Time:	5 hrs	AMD Operational Uptime:	99.6%							
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean	
	21.1	14.3	9.2	6.6	4.5	2.0	0.7	7.3	7 µg/m ³	6.6 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	6	7	5	6	7	9	9	9	7	8	9	6	8	8	7	6	8	5	6	7	6	6	7	6	7.0	9.1
2-Apr-07	7	9	7	7	7	7	8	7	10	6	6	7	6	5	5	5	6	5	6	6	6	7	8	8	6.7	9.7
3-Apr-07	8	6	7	8	6	6	8	8	6	9	8	7	7	18	7	26	7	8	9	8	10	10	9	9	8.9	25.8
4-Apr-07	9	9	9	10	11	9	9	10	10	13	12	12	13	15	14	11	9	10	6	9	8	8	8	8	10.2	15.1
5-Apr-07	9	11	11	13	15	14	17	15	14	14	14	11	10	11	9	11	11	11	9	11	10	13	12	13	12.1	16.7
6-Apr-07	14	10	11	12	12	12	12	10	10	12	14	14	14	12	11	11	9	8	7	6	7	7	8	7	10.5	14.0
7-Apr-07	7	8	9	9	11	11	12	12	12	15	16	18	15	12	14	13	14	16	14	15	12	13	11	12	12.5	17.5
8-Apr-07	11	11	14	14	13	11	13	12	13	12	13	12	14	21	10	13	11	16	21	18	15	53	12	16	15.4	52.8
9-Apr-07	14	11	9	15	13	9	13	10	10	12	14	12	14	17	18	14	13	9	9	7	7	1	1	1	10.6	18.2
10-Apr-07	1	2	2	3	4	3	7	7	9	11	12	10	10	9	10	11	7	6	6	8	7	6	6	5	6.7	11.7
11-Apr-07	6	8	7	6	7	7	7	11	14	6	4	4	4	3	4	7	8	7	6	6	7	12	7	9	6.9	13.8
12-Apr-07	7	8	7	9	8	7	12	15	12	11	12	10	7	8	8	10	5	7	9	9	8	8	7	9	8.7	14.6
13-Apr-07	8	7	6	9	6	7	8	7	7	9	22	23	16	9	6	5	9	24	22	14	10	13	13	9	11.3	24.5
14-Apr-07	8	8	7	9	8	8	13	14	11	7	7	8	9	7	9	9	6	8	7	10	10	9	6	7	8.4	14.4
15-Apr-07	6	6	5	6	6	8	7	6	6	3	3	5	6	3	5	4	3	3	7	5	6	7	6	4	5.3	7.8
16-Apr-07	7	8	8	5	6	6	9	8	18	7	9	7	9	7	4	6	11	11	10	8	8	7	7	7	8.0	18.3
17-Apr-07	6	6	5	6	7	7	7	6	8	24	0	2	D	D	6	12	7	5	4	5	6	16	6	10	7.3	24.3
18-Apr-07	5	5	4	5	9	11	6	6	6	11	6	4	4	1	0	3	3	5	4	5	4	4	5	5	4.9	10.7
19-Apr-07	4	4	2	3	4	1	2	3	4	4	6	5	5	4	5	6	4	5	3	3	3	3	2	3	3.7	5.8
20-Apr-07	3	2	4	2	3	3	2	2	3	3	4	4	2	3	2	4	6	6	4	5	4	4	4	4	3.5	6.1
21-Apr-07	4	5	5	6	4	4	7	9	6	6	3	4	1	3	3	7	6	5	6	7	6	6	6	6	5.2	8.7
22-Apr-07	6	7	6	5	6	5	6	9	7	5	5	5	6	6	4	7	10	8	8	10	9	10	9	12	7.2	11.6
23-Apr-07	8	12	9	9	12	9	10	10	8	8	8	1	C	C	C	C	C	2	4	7	4	2	5	5	6.9	11.9
24-Apr-07	4	4	5	7	7	7	5	4	4	3	1	2	0	1	1	1	2	2	3	3	2	3	3	3	3.2	7.5
25-Apr-07	4	4	4	5	5	4	4	3	4	3	3	6	3	4	1	2	1	1	2	2	4	5	3	3	3.4	6.0
26-Apr-07	3	4	3	3	4	4	3	3	4	3	1	0	0	1	1	1	1	3	2	2	4	5	5	7	2.9	7.2
27-Apr-07	3	5	4	3	5	8	7	6	6	7	4	2	2	3	2	5	7	4	7	6	7	8	5	7	5.2	8.2
28-Apr-07	7	5	5	5	5	5	5	7	7	11	9	9	10	5	6	5	7	5	5	5	7	6	5	5	6.3	11.0
29-Apr-07	4	6	5	5	5	4	6	5	5	3	D	4	3	4	3	2	1	6	6	6	6	6	5	5	4.5	6.1
30-Apr-07	5	5	5	6	6	6	6	4	5	5	4	3	3	3	2	2	2	4	3	4	6	11	10	7	4.9	11.1
Hourly Avg	6.5	6.7	6.4	7.0	7.4	7.1	7.9	7.9	8.2	8.4	7.9	7.2	7.2	6.9	6.4	6.8	7.4	7.2	7.2	7.2	7.0	8.9	6.8	7.1		
Hourly Max	14.2	11.9	14.2	14.7	14.7	14.0	16.7	15.3	18.3	24.3	21.9	23.1	15.7	21.2	18.2	13.7	25.8	24.5	21.8	17.9	15.0	52.8	13.4	15.7		

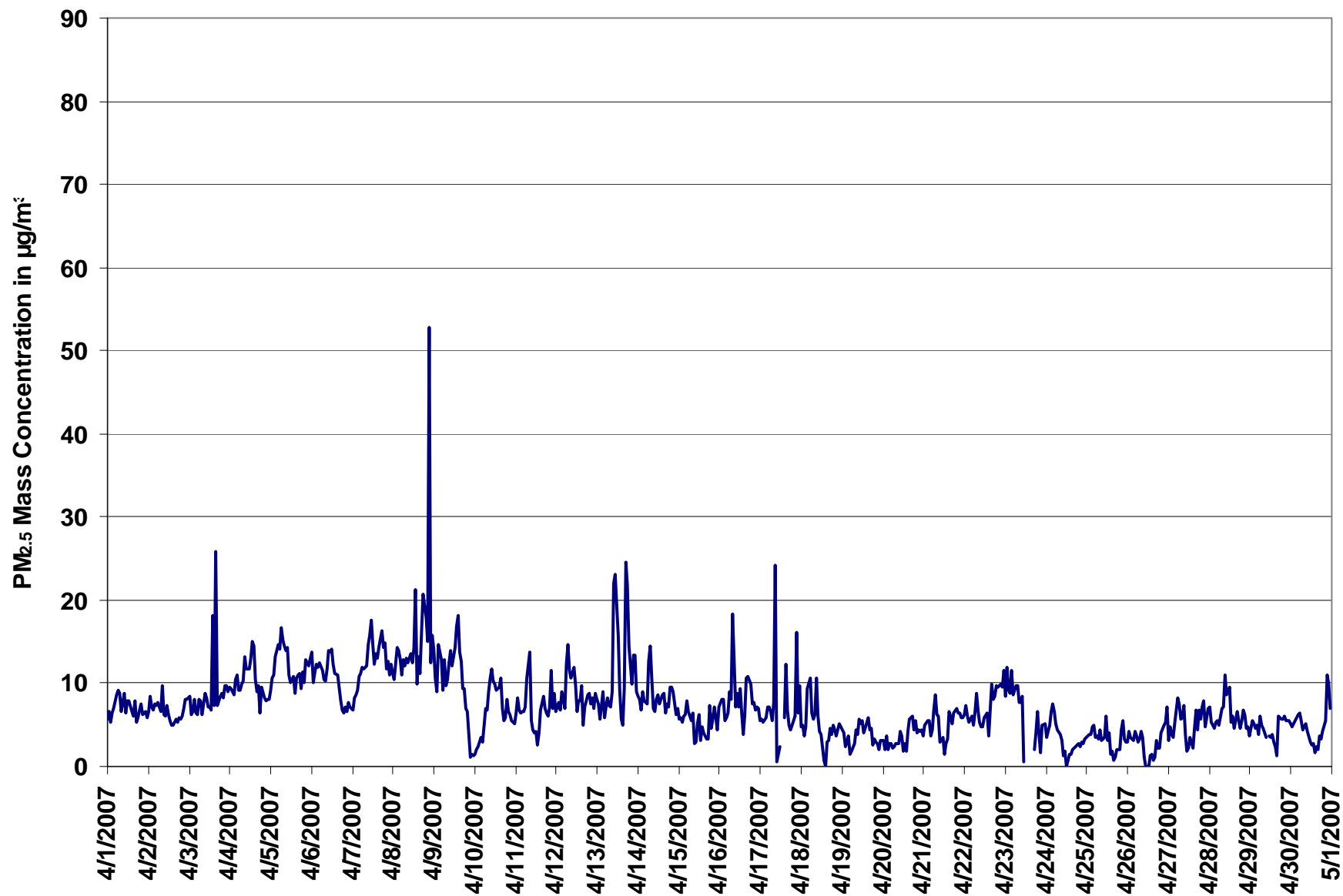
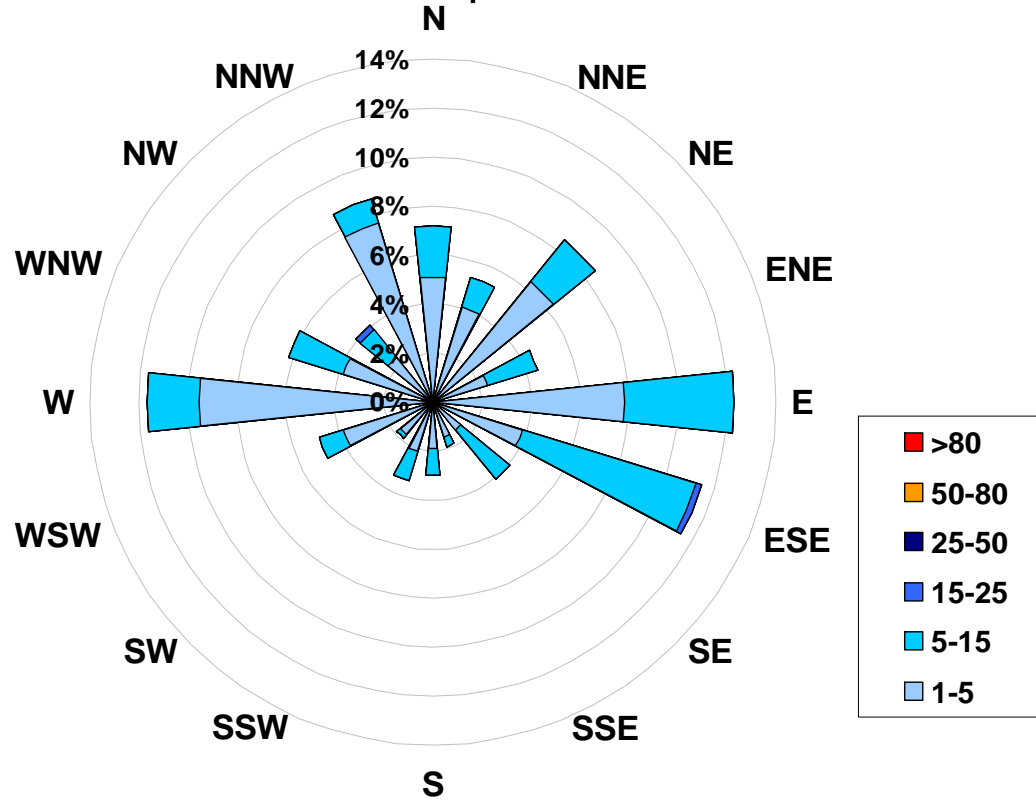


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Particulate Matter (less than 2.5 microns) (in micrograms per cubic meter) Located at the Beaverlodge Site for April 2007



Calms:	1%
---------------	-----------

Frequency Distribution of PM _{2.5} in µg/m ³			Frequency (hrs)
Range			
1.0	< 5		554
5	to 15		156
15	to 25		2
25	to 50		0
50	to 80		0
	> 80		0
Total Non-Zero Values			712

PASZA - Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

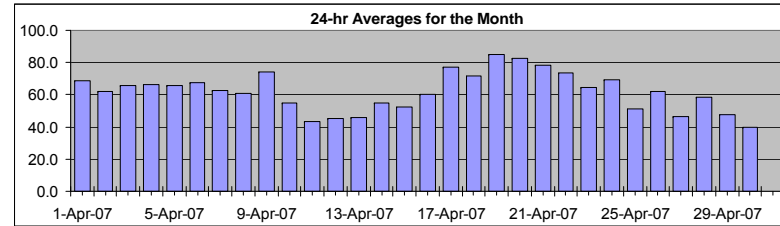
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	96.6 %	17-Apr	3:00 4:00
Maximum 24-hr Value:	84.8 %	19-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	95.5	91.7	75.4	62.4	49.4	29.8	21.4	61.9 %	62.4 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	65	68	72	74	76	77	80	81	79	69	67	65	58	56	56	53	57	63	64	67	71	76	78	78	68.8	81.2	
2-Apr-07	77	78	79	79	81	81	80	78	73	70	64	55	52	45	40	37	37	42	48	54	58	60	60	64	62.1	80.9	
3-Apr-07	67	69	71	79	83	83	81	78	68	62	56	57	47	43	57	44	42	60	62	68	71	70	76	80	65.5	83.1	
4-Apr-07	82	84	84	85	85	85	85	83	75	65	56	44	33	46	57	54	56	62	62	59	59	60	62	61	66.0	85.4	
5-Apr-07	67	70	72	74	78	82	84	81	74	69	66	63	59	56	54	54	52	53	59	58	61	62	64	68	65.8	84.2	
6-Apr-07	71	72	74	76	78	79	78	76	74	66	62	59	57	58	60	60	61	61	62	64	64	66	68	71	67.3	78.7	
7-Apr-07	73	74	74	75	74	75	78	80	71	65	50	45	49	49	42	40	46	47	52	63	66	69	72	71	62.6	80.4	
8-Apr-07	72	72	77	82	83	77	78	73	62	62	49	53	40	43	40	33	42	49	55	59	63	65	65	69	61.0	82.9	
9-Apr-07	72	63	69	74	75	70	83	83	70	62	62	55	64	73	79	82	85	84	89	92	81	71	72	72	74.2	91.9	
10-Apr-07	72	73	68	68	67	67	63	60	55	50	44	39	39	40	40	39	40	44	50	53	57	61	63	63	54.8	73.1	
11-Apr-07	59	57	60	54	59	59	60	58	56	52	44	33	32	32	30	30	29	30	30	30	32	38	41	40	43.5	59.9	
12-Apr-07	40	44	44	51	54	55	58	61	56	42	41	39	38	31	26	29	32	42	41	38	50	56	56	58	45.1	60.6	
13-Apr-07	58	57	57	55	55	58	60	63	54	46	40	34	34	32	33	28	28	35	37	43	44	53	52	47	45.9	62.9	
14-Apr-07	48	51	54	60	62	71	68	71	66	66	55	51	45	43	42	41	40	39	43	51	60	61	61	61	54.6	71.5	
15-Apr-07	62	61	60	60	66	74	70	67	60	49	44	42	39	43	45	39	40	39	47	51	49	50	51	52	52.5	73.6	
16-Apr-07	54	52	53	51	50	52	52	47	52	42	43	40	41	40	45	47	59	69	85	92	94	94	94	95	60.1	95.2	
17-Apr-07	96	96	96	97	97	94	86	83	75	63	58	54	51	50	57	75	71	70	70	77	81	82	88	87	77.2	96.6	
18-Apr-07	85	88	88	90	91	93	91	86	84	80	58	60	55	41	53	58	52	55	60	63	66	67	72	79	71.4	92.6	
19-Apr-07	82	89	92	92	92	83	76	75	72	71	78	83	84	81	76	83	86	85	88	91	94	94	94	95	84.8	95.5	
20-Apr-07	96	96	96	95	95	95	93	91	82	77	70	65	58	72	73	72	76	77	80	82	85	85	86	87	82.7	95.7	
21-Apr-07	88	92	93	93	90	92	94	85	70	68	69	68	60	57	58	58	65	72	75	81	84	86	88	88	78.1	93.7	
22-Apr-07	89	93	91	88	86	88	90	86	83	74	69	55	58	51	48	52	62	61	62	69	71	76	76	84	73.4	92.6	
23-Apr-07	85	88	91	92	93	94	89	75	71	70	63	59	47	46	39	40	44	46	49	51	50	46	53	63	64.4	94.3	
24-Apr-07	60	59	70	69	70	73	69	82	75	74	75	78	72	68	66	69	67	67	66	64	69	69	65	63	69.2	81.6	
25-Apr-07	66	69	70	70	72	72	66	60	60	54	40	33	31	29	29	29	30	35	38	41	48	56	65	70	51.3	72.3	
26-Apr-07	65	68	71	72	78	79	77	78	71	62	52	47	45	46	50	49	50	52	52	56	65	69	68	71	62.3	79.4	
27-Apr-07	77	85	83	64	52	49	46	41	38	35	30	30	24	18	17	17	17	21	29	36	58	78	84	92	46.7	92.4	
28-Apr-07	91	92	92	86	75	70	68	64	60	52	47	43	38	35	34	34	36	39	40	46	54	61	68	72	58.2	91.8	
29-Apr-07	74	75	77	79	80	75	76	71	58	49	35	29	26	23	20	19	20	23	26	29	33	45	50	54	47.8	79.5	
30-Apr-07	56	55	61	59	64	66	57	52	43	35	30	27	24	24	22	24	24	25	26	28	33	38	44	42	40.0	66.2	
Hourly Avg	71.7	73.0	74.6	74.7	75.3	75.6	74.6	72.3	66.2	60.1	54.0	50.1	46.6	45.8	46.2	46.3	48.2	51.6	54.9	58.6	62.3	65.5	67.9	69.9			
Hourly Max	95.7	96.0	96.4	96.6	96.5	94.6	93.7	90.6	83.7	80.3	78.0	83.4	83.5	80.6	78.8	82.8	85.6	85.4	88.7	91.9	93.9	94.1	94.4	95.5			

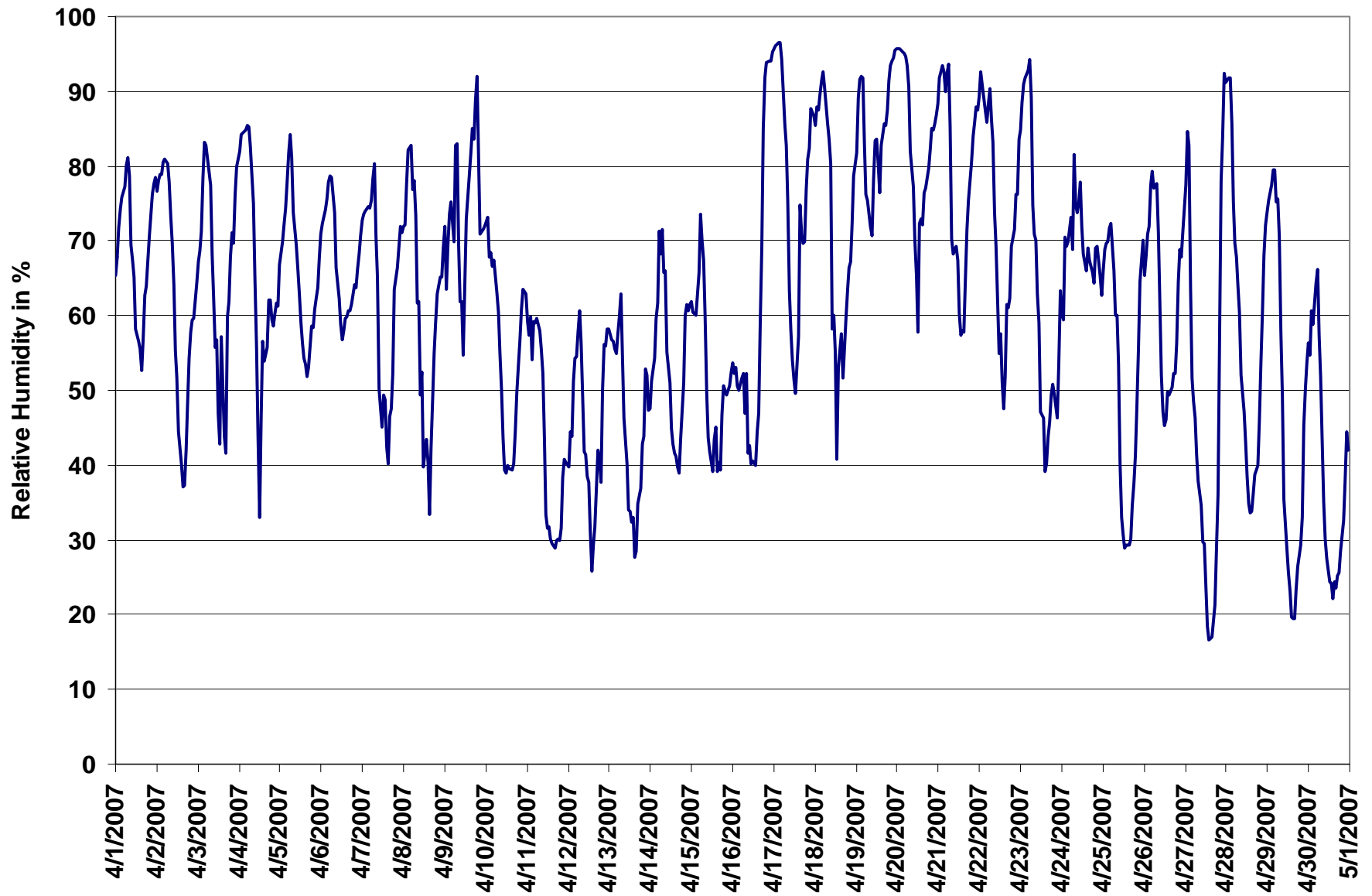


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

PASZA - Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

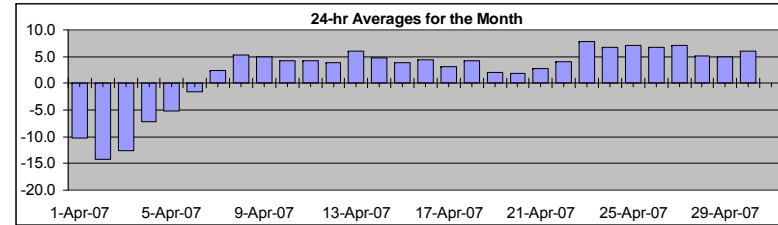
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	14.3	°C	8-Apr	15:00 16:00
Maximum 24-hr Value:	7.8	°C	23-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	12.6	10.7	6.6	3.0	0.1	-12.1	-17.1	2.1 °C	3.0 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			0:00
1-Apr-07	-10	-10	-11	-11	-11	-11	-11	-11	-11	-11	-10	-10	-9	-9	-9	-8	-7	-8	-8	-9	-10	-11	-12	-12	-13	-10.2	-7.3
2-Apr-07	-14	-15	-16	-16	-17	-17	-17	-18	-17	-17	-15	-13	-12	-11	-11	-10	-9	-10	-12	-13	-14	-14	-16	-17	-12.6	-5.0	
3-Apr-07	-17	-17	-17	-17	-18	-19	-19	-18	-15	-14	-11	-11	-7	-5	-8	-5	-5	-9	-10	-11	-13	-12	-12	-11	-12.6	-5.0	
4-Apr-07	-12	-12	-12	-13	-13	-13	-13	-12	-10	-8	-5	-2	2	-2	-4	-3	-3	-4	-5	-5	-5	-6	-6	-7	-7.2	2.1	
5-Apr-07	-7	-8	-8	-9	-10	-11	-11	-10	-8	-7	-5	-4	-3	-2	-1	0	0	0	-2	-2	-3	-4	-4	-5	-5.1	0.1	
6-Apr-07	-5	-5	-5	-5	-6	-6	-6	-5	-4	-2	-1	0	2	2	2	2	2	2	1	1	1	0	-1	-2	-1.6	1.8	
7-Apr-07	-2	-2	-2	-2	-2	-2	-2	-2	0	1	5	7	6	6	8	10	7	7	6	4	3	2	1	1	2.4	9.5	
8-Apr-07	1	1	0	0	0	0	1	2	4	5	8	7	11	10	11	14	11	9	7	6	5	5	4	4	5.3	14.3	
9-Apr-07	3	5	4	3	3	4	2	2	4	6	6	8	7	6	6	6	5	7	7	6	5	5	4	4	5.0	8.4	
10-Apr-07	4	3	4	3	3	3	3	4	4	5	6	7	7	7	7	7	6	5	4	4	3	2	1	1	4.3	6.9	
11-Apr-07	1	1	0	0	0	0	-1	0	2	3	5	7	7	8	9	11	11	9	8	7	5	3	2	2	4.1	10.7	
12-Apr-07	2	1	0	-1	-1	-2	-2	-2	0	6	5	6	7	10	13	11	10	7	7	7	4	3	3	2	3.9	12.5	
13-Apr-07	2	2	1	2	2	2	1	1	4	6	8	10	10	10	10	12	12	10	9	8	7	5	5	6	6.1	12.5	
14-Apr-07	6	6	6	5	5	2	3	3	5	4	5	5	6	6	7	7	7	6	5	2	2	1	1	1	4.7	7.0	
15-Apr-07	1	1	1	1	0	-1	1	1	3	5	6	7	7	7	7	7	7	7	5	4	4	3	4	4	3.9	7.4	
16-Apr-07	3	3	3	3	3	2	3	4	3	6	7	7	8	10	9	9	5	5	3	2	2	2	2	1	4.4	9.7	
17-Apr-07	1	1	0	0	0	0	1	1	3	5	6	7	7	8	7	4	5	5	5	4	3	2	1	1	3.2	7.9	
18-Apr-07	2	2	2	1	0	0	1	2	3	3	8	8	9	13	7	6	6	6	5	5	4	4	3	3	4.2	12.7	
19-Apr-07	3	2	1	2	1	2	2	2	3	3	2	2	3	4	4	3	3	3	2	1	1	1	0	0	2.1	4.3	
20-Apr-07	0	0	0	0	0	0	0	1	2	2	4	5	7	3	3	3	3	3	2	2	1	1	1	1	1.8	7.4	
21-Apr-07	0	0	0	0	0	0	0	2	5	5	5	4	6	6	6	7	6	4	3	2	1	1	1	0	2.8	6.5	
22-Apr-07	0	-1	0	0	0	0	0	1	2	4	4	8	7	9	10	9	7	7	7	5	5	4	4	3	4.0	10.3	
23-Apr-07	3	2	2	2	2	1	3	6	7	7	10	10	12	12	14	13	12	12	11	10	10	10	9	6	7.8	14.1	
24-Apr-07	7	7	5	5	6	5	7	6	8	8	8	7	8	9	9	8	8	8	8	7	6	5	4	4	6.8	8.8	
25-Apr-07	3	2	2	2	2	1	3	4	5	7	9	11	12	13	13	13	13	12	11	10	8	7	5	4	7.2	13.1	
26-Apr-07	5	4	3	3	2	2	3	4	5	8	9	10	10	10	10	10	10	10	10	9	7	6	6	6	6.8	10.4	
27-Apr-07	4	3	3	4	4	4	4	5	6	7	8	9	10	12	12	12	12	12	11	10	7	5	4	3	7.1	12.3	
28-Apr-07	3	2	1	1	2	2	2	3	4	6	7	7	8	9	9	10	9	9	8	7	5	4	2	1	5.1	9.6	
29-Apr-07	1	1	0	0	-1	0	0	1	3	5	8	9	10	10	11	11	11	9	9	8	6	3	3	2	5.0	10.9	
30-Apr-07	1	1	0	0	-1	-1	2	4	6	8	9	9	10	10	11	11	11	11	11	10	8	6	4	5	6.1	11.4	
Hourly Avg	-0.4	-0.7	-1.1	-1.2	-1.5	-1.7	-1.4	-0.6	0.8	2.2	3.7	4.7	5.6	6.0	6.1	6.3	5.8	5.0	4.3	3.4	2.2	1.4	0.9	0.4			
Hourly Max	6.9	7.4	6.0	5.5	5.5	5.3	6.7	6.0	7.9	8.1	9.8	11.1	12.2	12.7	14.1	14.3	12.9	12.0	11.3	10.4	10.0	10.4	8.8	6.4			

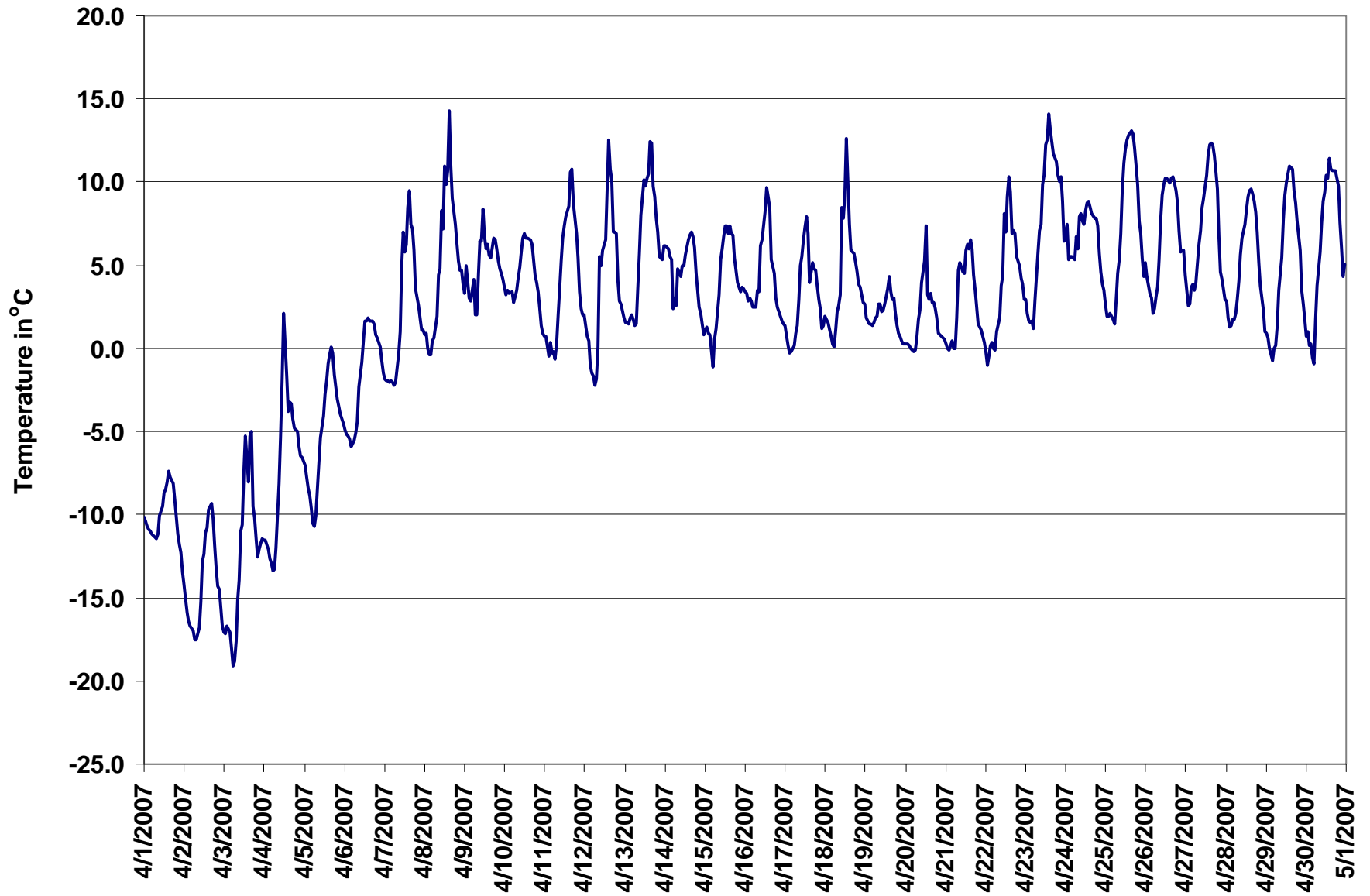


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

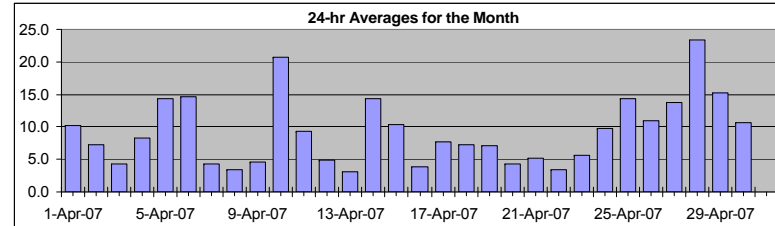
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	34.6	km/hr	28-Apr	14:00 15:00
Maximum 24-hr Value:	23.4	km/hr	28-Apr	

Calm Time:	5 hrs	1% calms	Operational Time:	715 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	30.5	23.4	13.3	7.2	3.7	1.8	1.2	9.2 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																								24-hr Scalar Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	12	12	11	10	12	10	9	9	10	11	12	14	13	13	11	10	10	9	8	7	6	8	11	8	10.2	13.9	
2-Apr-07	8	9	9	8	7	8	8	9	12	14	13	9	8	8	8	6	5	4	3	4	5	4	5	3	7.3	13.6	
3-Apr-07	1	calm	2	1	2	1	2	2	6	7	6	7	5	4	5	2	2	6	3	2	7	8	9	9	4.3	9.0	
4-Apr-07	8	6	7	6	6	8	7	6	5	4	2	2	1	5	6	7	7	10	16	16	18	17	17	16	8.3	17.6	
5-Apr-07	14	13	12	12	12	10	9	10	9	11	11	14	15	18	18	17	15	16	16	17	18	19	19	19	14.3	19.2	
6-Apr-07	18	18	18	17	15	14	15	12	10	9	11	10	11	14	15	19	19	19	18	15	13	14	13	12	14.6	19.0	
7-Apr-07	12	10	8	6	4	3	3	2	2	3	2	3	4	5	3	3	4	3	3	5	4	4	3	2	4.2	11.9	
8-Apr-07	2	3	3	3	2	2	2	2	3	4	3	3	3	3	3	3	4	2	2	3	5	9	4	8	3.5	9.4	
9-Apr-07	6	3	3	4	3	5	6	6	4	2	5	4	6	6	4	4	5	3	2	2	4	8	6	7	4.6	8.1	
10-Apr-07	13	14	11	12	9	13	18	24	25	28	27	29	32	30	28	25	23	21	19	22	22	19	17	16	20.7	31.7	
11-Apr-07	16	11	3	5	6	6	6	11	13	15	17	21	19	16	14	5	4	6	7	5	5	4	3	3	9.3	21.1	
12-Apr-07	1	2	2	2	calm	calm	3	7	4	2	2	2	3	3	2	3	11	16	12	8	12	7	3	4	4.9	15.8	
13-Apr-07	4	3	3	4	2	3	4	2	2	1	2	3	5	4	6	3	3	3	3	2	2	3	5	5	3.1	6.1	
14-Apr-07	6	4	6	3	7	8	8	10	23	16	24	28	27	24	21	20	19	21	16	12	11	14	9	10	14.4	28.1	
15-Apr-07	10	5	5	6	6	5	5	9	5	14	21	18	20	14	17	20	20	16	10	7	3	4	6	5	10.4	21.1	
16-Apr-07	4	7	4	4	3	3	2	3	2	2	3	3	4	5	6	4	8	6	6	3	2	2	3	2	3.8	7.8	
17-Apr-07	3	3	3	2	1	4	7	6	7	10	15	16	13	9	10	16	7	11	11	9	8	7	4	6	7.7	16.1	
18-Apr-07	4	5	7	7	8	3	4	4	4	3	2	2	2	2	9	13	17	18	15	11	11	9	9	5	7.3	18.5	
19-Apr-07	8	6	8	7	7	7	9	8	5	8	8	7	7	7	8	6	7	9	9	6	6	5	6	5	7.0	9.4	
20-Apr-07	6	6	7	7	7	7	5	4	4	4	2	2	1	5	6	6	5	4	4	2	2	1	2	3	4.2	6.8	
21-Apr-07	3	2	calm	4	3	2	2	2	1	2	6	8	5	5	6	8	9	10	9	11	8	5	5	4	5.1	11.0	
22-Apr-07	4	1	3	4	3	1	calm	2	2	2	3	2	4	3	2	5	9	4	1	4	3	7	6	5	3.4	9.0	
23-Apr-07	6	8	3	4	3	4	4	2	2	3	3	4	5	6	5	8	8	7	8	8	6	7	6	13	5.6	13.2	
24-Apr-07	10	7	4	1	3	2	4	3	4	9	12	12	10	13	17	14	17	15	13	16	14	12	15	8	9.8	17.0	
25-Apr-07	13	4	12	17	13	11	3	9	10	12	18	23	24	25	23	22	19	17	16	15	12	14	9	2	14.3	25.3	
26-Apr-07	4	5	3	4	4	7	4	5	4	11	16	16	16	15	18	19	18	15	13	10	8	7	16	28	11.0	27.7	
27-Apr-07	16	4	14	22	21	21	18	16	17	18	15	13	18	17	12	8	7	7	8	13	15	8	10	9	13.8	22.3	
28-Apr-07	12	9	11	18	17	24	22	25	29	31	31	29	32	33	35	33	31	29	28	25	20	18	13	8	23.4	34.6	
29-Apr-07	9	10	6	5	8	7	4	6	17	20	23	25	23	23	24	24	24	21	20	17	15	13	13	10	15.2	25.2	
30-Apr-07	6	8	7	5	6	3	5	9	19	22	20	16	16	18	21	16	11	16	13	9	4	3	1	1	10.6	21.6	
1-hr Average	8.0	6.9	6.6	7.0	6.9	7.0	6.9	7.5	8.7	9.9	11.1	11.5	11.7	11.8	12.1	11.5	11.6	11.5	10.4	9.5	9.0	8.5	8.2	7.8			
Hourly Max	18.4	17.9	17.6	22.3	21.0	23.8	22.2	24.8	29.1	31.3	30.8	29.5	32.0	32.7	34.6	33.1	30.5	29.1	28.0	24.6	21.6	18.5	19.2	27.7			

PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

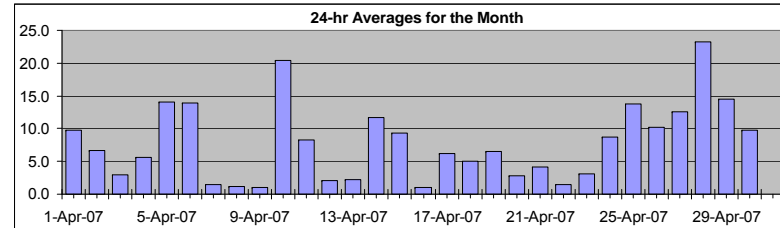
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	34.3	km/hr	28-Apr	14:00 15:00
Maximum 24-hr Value:	23.2	km/hr	28-Apr	



Calm Time:	23 hrs	3% calms	Operational Time:	697 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	30.2	23.2	13.2	7.2	3.4	1.4	0.9	11.7 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07	12	12	11	10	12	10	9	9	9	11	12	14	13	12	10	9	10	8	3	7	6	8	11	8		9.8	13.8	
2-Apr-07	8	9	9	8	7	8	7	8	12	14	12	9	8	7	8	5	4	3	3	3	5	3	4	3		6.6	13.5	
3-Apr-07	calm	calm	1	calm	1	calm	2	2	6	7	6	7	4	calm	5	2	1	6	3	2	7	8	9	9		2.9	8.9	
4-Apr-07	8	6	7	6	6	8	7	6	5	4	2	2	calm	4	6	7	7	10	16	16	18	17	17	16		5.7	17.6	
5-Apr-07	14	13	12	12	12	10	9	10	9	11	11	14	15	18	17	17	15	16	15	17	19	18	19	19		14.1	19.1	
6-Apr-07	18	18	18	17	15	14	15	12	10	9	11	10	11	14	15	19	19	19	18	15	13	14	13	12		14.0	18.9	
7-Apr-07	12	10	8	6	4	3	calm	2	2	3	2	1	1	4	3	2	4	3	3	4	4	2	1	2		1.4	11.9	
8-Apr-07	2	3	3	calm	2	2	calm	calm	3	3	3	1	2	3	3	2	1	1	1	calm	3	8	4	7		1.2	8.3	
9-Apr-07	5	3	2	3	1	5	calm	1	3	1	5	3	6	4	1	3	5	3	2	1	4	8	6	7		1.1	8.1	
10-Apr-07	13	14	10	12	9	13	18	24	25	28	27	29	32	30	28	25	23	21	19	22	22	19	17	16		20.4	31.6	
11-Apr-07	16	11	2	5	5	6	6	11	13	15	16	21	19	16	13	5	4	6	7	5	5	1	1	3		8.2	21.0	
12-Apr-07	calm	calm	2	2	calm	calm	2	3	2	calm	2	2	3	2	2	2	10	16	12	8	11	7	2	2		2.0	15.7	
13-Apr-07	4	3	3	4	2	2	4	2	2	1	calm	3	4	4	6	3	3	3	3	1	2	2	5	4		2.2	6.1	
14-Apr-07	6	4	6	2	6	5	6	9	23	16	24	28	26	24	21	20	18	21	16	12	11	14	9	10		11.7	28.1	
15-Apr-07	9	5	4	6	6	4	5	8	5	13	21	18	20	14	17	20	20	16	9	7	2	3	6	5		9.3	21.1	
16-Apr-07	3	4	2	4	3	3	2	2	2	1	3	3	2	5	5	3	8	5	6	2	2	2	3	2		1.1	7.7	
17-Apr-07	2	3	3	2	1	3	7	5	7	10	15	16	13	9	10	15	7	11	11	9	8	7	1	6		6.2	16.0	
18-Apr-07	4	4	7	6	7	3	4	4	2	2	1	2	2	1	9	13	17	18	15	11	11	8	9	5		5.0	18.4	
19-Apr-07	8	6	8	7	6	7	9	8	5	8	8	7	6	7	8	6	7	9	9	6	6	4	5	5		6.4	9.4	
20-Apr-07	6	6	7	7	7	7	5	4	4	4	1	2	1	5	5	6	5	4	4	2	2	1	1	3		2.8	6.7	
21-Apr-07	3	2	calm	3	2	1	2	2	calm	2	6	8	5	5	6	7	9	10	9	11	8	5	5	2		4.1	10.9	
22-Apr-07	4	1	3	4	2	calm	calm	2	2	calm	3	1	3	2	1	3	9	4	1	4	2	7	5	4		1.5	9.0	
23-Apr-07	3	8	2	4	3	3	3	2	2	3	3	4	5	6	5	8	8	7	8	8	6	7	2	13		3.2	13.1	
24-Apr-07	10	7	1	1	2	1	3	3	4	9	12	12	10	13	17	14	17	15	13	16	14	12	15	8		8.7	16.9	
25-Apr-07	13	2	12	17	13	11	1	9	10	12	17	23	24	25	23	21	18	17	16	15	12	14	8	1		13.8	25.1	
26-Apr-07	4	4	2	3	4	7	4	4	4	10	16	15	15	15	18	19	18	14	12	10	8	6	16	27		10.2	27.3	
27-Apr-07	16	4	14	22	21	21	18	16	17	17	14	12	18	16	11	7	7	7	7	11	12	7	10	9		12.6	21.9	
28-Apr-07	11	9	11	18	17	24	22	25	29	31	31	29	32	32	34	33	30	29	28	25	20	18	13	8		23.2	34.3	
29-Apr-07	9	10	6	4	8	7	3	4	17	20	22	25	22	23	24	24	24	20	20	16	15	13	13	10		14.5	24.7	
30-Apr-07	6	7	7	5	6	2	4	9	19	21	19	15	15	18	21	13	11	15	13	9	4	2	1	1		9.7	21.4	
1-hr Vector	1.3	0.9	0.7	1.5	2.1	2.3	2.5	3.1	4.6	6.2	7.2	7.3	6.6	5.8	5.4	4.2	4.1	3.7	2.6	2.6	1.9	2.1	1.2	1.6				
Hourly Max	18.3	17.8	17.5	21.9	20.9	23.8	22.0	24.7	29.0	31.2	30.6	29.4	31.7	32.4	34.3	32.7	30.2	28.9	27.8	24.6	21.6	18.5	19.1	27.3				

PASZA - Beaverlodge - Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	357.0	343.6	277.1	235.4	97.4	27.8	5.7	283 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																								24-hour Average	WD Sector
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	0:00	0:00
1-Apr-07	353	352	336	327	324	327	330	338	335	338	334	334	327	334	3	350	352	350	7	5	17	21	358	343	NNW	
2-Apr-07	346	344	348	344	340	332	336	333	331	329	335	358	42	45	41	20	349	25	27	357	32	344	331	338	352	N
3-Apr-07	359	57	354	115	45	80	341	357	346	335	336	325	348	26	196	190	108	38	131	16	32	34	34	28	14	NNE
4-Apr-07	20	23	352	351	342	343	352	10	29	293	247	235	292	136	111	111	91	92	86	83	85	85	87	92	66	ENE
5-Apr-07	112	120	113	111	110	108	98	110	114	116	122	113	99	97	96	102	108	109	112	127	127	125	124	124	113	ESE
6-Apr-07	125	124	122	124	124	120	123	122	118	118	109	99	97	103	82	81	81	84	86	81	101	109	109	100	105	ESE
7-Apr-07	94	105	105	105	108	122	295	272	147	143	147	266	130	89	86	93	303	300	283	266	306	274	24	358	99	E
8-Apr-07	49	58	276	9	69	71	321	281	313	62	256	183	135	90	80	346	268	238	53	270	47	311	42	287	347	NNW
9-Apr-07	32	62	53	200	191	18	213	111	293	307	321	323	301	322	332	184	64	95	101	85	243	263	250	244	295	WNW
10-Apr-07	256	261	259	254	254	266	276	278	280	282	284	281	274	274	276	275	272	264	266	260	261	263	265	263	271	W
11-Apr-07	267	272	191	218	213	236	221	261	257	252	264	286	287	284	284	250	240	251	266	278	292	307	358	96	267	W
12-Apr-07	112	10	112	108	85	22	281	21	57	33	88	94	97	104	206	92	271	269	270	280	257	255	227	146	269	W
13-Apr-07	118	125	127	74	87	122	72	177	113	224	253	80	57	43	32	59	90	103	82	70	170	196	104	111	93	E
14-Apr-07	102	95	102	37	339	11	6	287	281	253	254	256	260	262	261	265	274	279	276	255	246	257	272	271	269	W
15-Apr-07	265	242	261	251	259	235	266	240	197	277	290	291	287	264	266	280	276	282	263	245	196	172	187	187	267	W
16-Apr-07	130	176	111	102	90	103	64	57	105	323	45	287	32	317	6	83	175	202	216	245	138	127	174	168	132	SE
17-Apr-07	194	210	222	165	156	233	255	254	250	292	304	305	314	323	297	278	299	319	319	337	355	353	10	312	301	WNW
18-Apr-07	323	354	337	346	3	40	39	35	50	201	276	203	215	85	98	88	88	88	91	97	91	101	113	109	77	ENE
19-Apr-07	100	81	53	27	332	35	27	28	49	43	38	33	43	29	37	37	35	31	40	36	34	14	11	336	35	NE
20-Apr-07	342	335	343	352	345	353	0	1	27	53	129	167	132	83	61	59	55	50	49	74	200	153	96	100	26	NNE
21-Apr-07	122	151	66	12	17	254	273	284	149	157	74	72	78	75	72	48	44	56	88	88	96	87	53	39	70	ENE
22-Apr-07	358	52	66	97	44	2	180	262	283	193	233	189	181	184	111	43	35	58	90	24	350	326	358	56	32	NNE
23-Apr-07	60	272	114	106	131	111	122	156	130	199	127	109	124	112	110	123	123	115	112	83	76	91	352	326	102	ESE
24-Apr-07	335	5	333	288	260	297	296	47	324	320	319	307	286	272	287	282	283	298	286	274	258	258	262	261	289	WNW
25-Apr-07	258	266	261	269	255	260	348	252	243	233	267	277	274	284	281	279	272	258	262	276	283	295	282	176	270	W
26-Apr-07	237	204	168	211	191	239	217	207	131	244	243	240	233	238	238	243	241	250	264	267	237	246	272	270	244	WSW
27-Apr-07	264	260	258	260	281	288	279	280	289	281	279	252	265	270	243	231	237	202	175	213	265	274	241	261	263	W
28-Apr-07	304	279	266	262	268	261	261	259	265	277	276	275	274	279	276	276	268	266	265	263	264	268	263	253	270	W
29-Apr-07	259	252	266	232	249	251	208	228	260	247	257	267	285	289	286	277	273	295	300	285	273	263	267	264	271	W
30-Apr-07	262	260	227	225	220	190	221	243	257	261	268	269	282	283	280	256	291	270	281	301	309	281	88	75	267	W
Hourly Avg	310	285	290	274	285	288	292	279	279	275	280	281	283	286	286	280	284	287	282	279	272	281	296	281		N

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	54.5	44.0	18.8	8.6	5.1	3.0	2.2

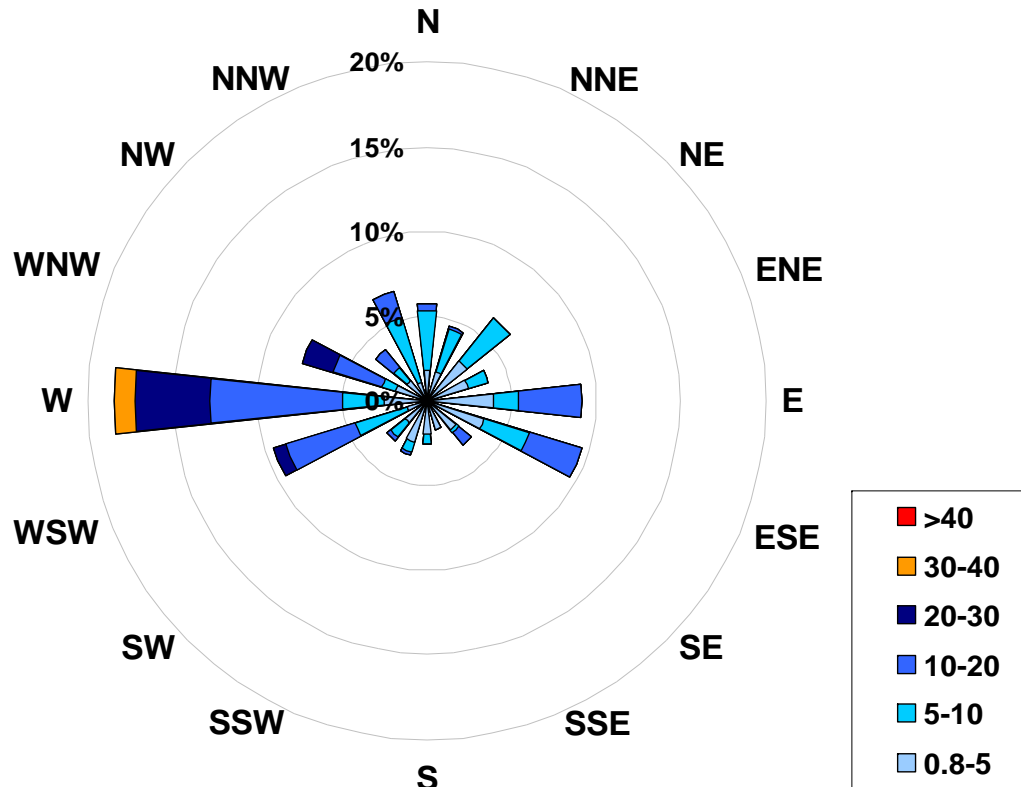
Status Flag Characters

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

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00	Daily Maximum
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	9	10	6	5	5	6	6	7	8	8	10	8	11	9	13	17	13	13	12	9	8	7	5	8		16.8	
2-Apr-07	4	4	6	6	4	4	5	5	6	4	8	15	12	13	11	27	30	30	17	9	8	11	40	19		40.2	
3-Apr-07	44	46	46	43	29	50	38	39	7	5	6	8	26	51	11	21	22	7	13	15	6	3	3	5		50.9	
4-Apr-07	5	11	6	10	10	3	7	7	24	11	9	16	17	22	8	7	7	6	3	3	3	3	3	3		24.2	
5-Apr-07	6	4	4	3	3	4	4	4	4	4	6	5	6	7	5	6	5	4	4	4	3	3	3	3		6.6	
6-Apr-07	3	4	4	4	3	4	4	4	4	3	4	4	6	6	5	6	3	4	3	3	3	6	4	5	5		6.2
7-Apr-07	5	6	6	5	6	5	20	23	19	30	20	29	31	14	22	15	20	11	28	8	20	35	41	40		40.9	
8-Apr-07	40	7	32	36	37	10	29	39	28	44	46	51	37	14	14	39	22	40	42	31	43	13	41	47		51.4	
9-Apr-07	23	23	40	16	37	27	48	40	21	61	21	28	26	36	46	17	16	13	24	37	31	3	4	7		60.7	
10-Apr-07	2	2	7	5	9	4	3	3	3	2	3	4	4	4	3	5	4	4	3	3	2	2	2	2		9.4	
11-Apr-07	3	10	37	20	25	20	16	5	7	3	5	3	4	5	8	11	8	6	4	5	5	32	29	15		37.2	
12-Apr-07	34	46	16	12	44	23	54	47	54	79	36	17	7	30	38	18	22	4	3	9	11	31	32	20		78.9	
13-Apr-07	8	8	9	7	22	30	22	38	34	41	51	10	6	12	5	7	5	10	11	29	23	22	8	13		50.7	
14-Apr-07	11	11	6	44	34	41	43	30	4	3	4	3	4	3	3	4	6	4	4	9	6	5	12	8		44.3	
15-Apr-07	4	17	34	17	15	22	15	9	8	10	4	4	3	6	5	6	4	3	11	5	19	15	7	4		34.0	
16-Apr-07	30	31	57	9	22	11	13	24	46	34	33	26	24	11	17	25	7	16	11	36	14	24	10	11		57.2	
17-Apr-07	14	8	17	6	0	26	7	9	5	9	4	4	7	11	29	8	6	4	4	7	8	8	36	4		36.2	
18-Apr-07	18	27	21	24	17	55	9	18	17	21	19	16	18	32	7	5	4	3	4	4	3	3	4	7		54.6	
19-Apr-07	5	7	3	6	11	9	5	5	13	6	5	5	6	8	5	4	4	4	4	6	6	11	7	5		13.2	
20-Apr-07	6	6	6	8	6	6	7	10	10	7	21	13	18	14	5	7	4	11	7	46	15	22	8	6		45.8	
21-Apr-07	8	7	8	10	34	37	9	18	30	24	9	6	13	10	9	8	5	4	8	5	6	8	6	26		37.1	
22-Apr-07	19	37	43	9	27	64	54	42	18	45	11	51	45	44	44	38	4	15	22	5	24	8	35	35		63.7	
23-Apr-07	23	10	29	13	19	10	11	11	13	16	14	9	7	5	10	13	11	3	4	11	9	9	36	3		36.3	
24-Apr-07	3	16	25	62	55	59	15	23	11	11	4	5	8	9	6	6	6	5	5	10	9	5	3	10		62.4	
25-Apr-07	5	38	5	3	5	3	49	6	8	6	12	7	7	7	7	7	8	6	4	3	2	3	15	53		52.8	
26-Apr-07	16	9	16	21	11	14	19	15	17	20	8	7	8	6	3	5	3	11	6	11	8	13	8	10		20.6	
27-Apr-07	5	38	5	4	3	2	4	5	7	9	21	14	12	11	18	22	19	15	16	26	26	18	6	7		38.5	
28-Apr-07	21	9	6	4	4	3	6	5	5	5	5	7	7	8	7	8	8	6	6	4	4	4	3	13		21.2	
29-Apr-07	5	4	8	29	5	12	12	18	6	7	11	10	9	9	9	9	11	7	6	4	5	2	2	3		29.0	
30-Apr-07	5	17	10	11	5	15	14	17	6	8	11	14	18	9	11	19	14	8	9	5	7	45	44	24		44.7	
Hourly Max	44	46	57	62	55	64	54	47	54	79	51	51	45	51	46	39	30	40	42	46	43	45	44	53			

1-hr Average Wind Rose (in km/hr) Located at the Beaverlodge Site for April 2007



Calms: 1%

Frequency Distribution of Wind in km/hr Range			Frequency (hrs)
0.8	<	5	252
5	to	10	208
10	to	20	196
20	to	30	50
30	to	40	9
	>	40	0
Total Non-Zero Values			715

PASZA – Portable Falher Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Portable-Falher - Sulphur Dioxide Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

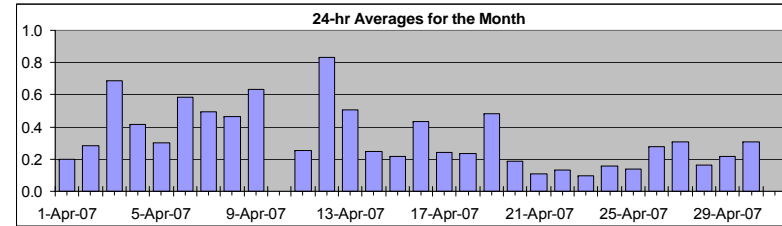
Monitoring Dates: April 1, 2007 to May 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	6.1	ppb	12-Apr	15:00 16:00
Maximum 24-hr Average:	0.8	ppb	12-Apr	

AIC Time:	35 hrs	Operational Time:	675 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	0.9	0.4	0.2	0.1	0.0	0.0	0.3 ppb	0.2 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0.2	0.5
2-Apr-07	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	A	0	0	1	0.3	0.8
3-Apr-07	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	A	1	1	1	1	0.7	1.6
4-Apr-07	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	1	1	1	0	0.4	0.6
5-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.3	0.4
6-Apr-07	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	A	0	1	1	0	0	0	0	0.6	1.1
7-Apr-07	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	A	0	0	0	0	0	0	0	0	0.5	0.9
8-Apr-07	0	0	0	0	0	0	0	1	1	1	0	0	0	A	0	0	0	0	0	0	0	0	0	1	0.5	1.2
9-Apr-07	1	1	1	1	1	0	0	0	0	1	1	1	1	A	3	1	0	0	0	0	0	0	0	0	0.6	2.9
10-Apr-07	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	N	0.3
11-Apr-07	0	0	0	0	0	1	1	1	0	1	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0.3	0.7
12-Apr-07	0	0	0	0	0	0	0	0	0	1	0	1	2	A	A	6	2	2	2	1	0	0	0	0	0.8	6.1
13-Apr-07	0	0	0	A	0	0	0	1	0	0	0	2	1	1	2	1	0	0	0	0	0	0	0	0	0.5	1.9
14-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
15-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
16-Apr-07	A	0	1	0	0	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	A	0.4	1.5
17-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	A	0.2	0.8
18-Apr-07	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	0.4
19-Apr-07	0	1	1	2	1	1	1	0	0	M	M	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.6
20-Apr-07	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.2	1.0
21-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
22-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
23-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.1	0.2
24-Apr-07	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	C	C	C	A	0	0	0	0	0.2	0.5
25-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
26-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4
27-Apr-07	0	0	0	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.5
28-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
29-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3
30-Apr-07	A	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.3	0.5
Hourly Avg	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3		
Hourly Max	1.3	1.2	1.3	1.6	1.2	1.1	1.5	0.7	0.8	1.2	1.1	1.7	1.8	1.6	2.9	6.1	2.2	2.0	1.7	1.1	1.0	1.0	0.7	1.2		

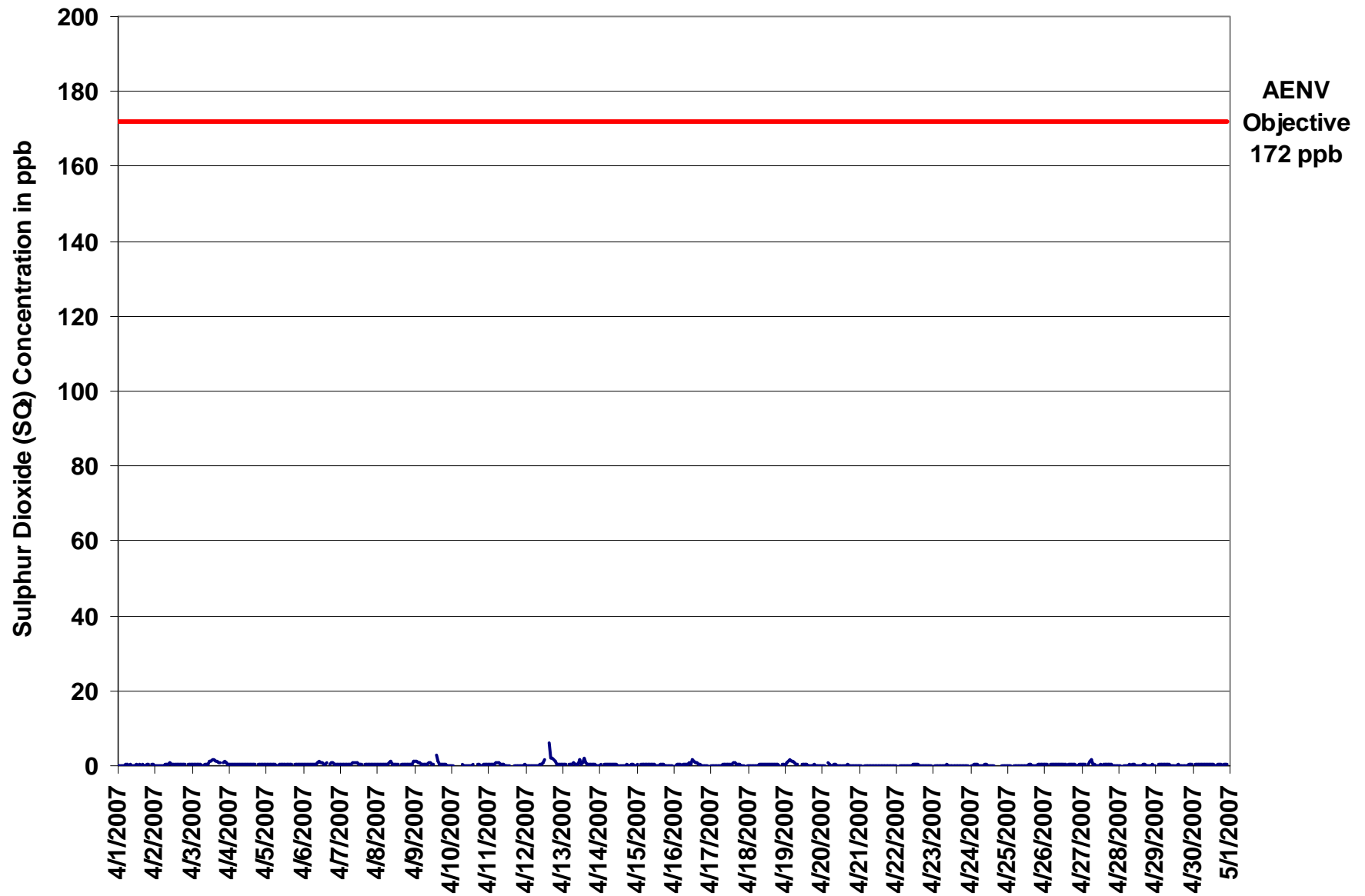


Figure 46. PASZA - Portable-Falher Sulphur Dioxide 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

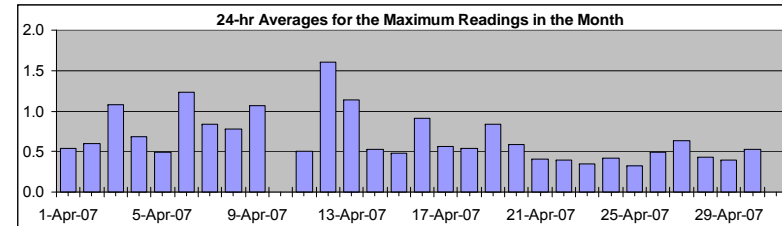
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	10.8	ppb	12-Apr	15:00 16:00
Maximum 24-hr Value:	1.6	ppb	12-Apr	

AIC Time:	35 hrs	Operational Time:	675 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.6	1.5	0.8	0.5	0.4	0.2	0.1	0.7 ppb	0.5 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	A	1	1	0.5	1.0	
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.5	
3-Apr-07	1	1	1	1	1	1	1	1	1	0	1	2	2	2	2	2	1	1	A	2	2	1	1	1.1	2.1	
4-Apr-07	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.7	1.1	
5-Apr-07	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.5	0.5	
6-Apr-07	0	0	0	1	1	1	1	1	1	2	2	1	1	1	0	1	A	1	4	4	1	1	1	1.2	4.3	
7-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0	0	0	0	0	0	1	0.8	1.0	
8-Apr-07	1	1	1	0	0	0	1	1	2	2	1	1	1	1	A	0	0	0	1	0	0	0	1	0.8	2.0	
9-Apr-07	1	1	1	1	1	0	1	0	1	1	1	1	1	A	5	4	1	1	0	0	0	0	0	1.1	4.7	
10-Apr-07	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	A	A	1	0	0	0	0	1	N	0.9	
11-Apr-07	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	A	A	0	0	0	0	0	0	0.5	1.4	
12-Apr-07	1	0	0	0	0	0	1	1	1	1	1	2	3	A	A	11	4	3	3	3	1	1	0	1.6	10.8	
13-Apr-07	0	0	0	A	0	1	1	1	0	0	1	7	3	2	3	1	1	1	1	0	0	0	0	1.1	7.0	
14-Apr-07	0	0	A	0	0	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0.5	1.0	
15-Apr-07	0	A	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0.5	0.8	
16-Apr-07	A	1	1	0	0	0	0	0	1	1	1	1	4	4	1	1	1	0	0	0	0	0	0	0.9	4.2	
17-Apr-07	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	A	0.6	1.0	
18-Apr-07	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	A	1	0.5	1.0	
19-Apr-07	1	2	2	2	2	2	1	1	1	M	M	1	1	1	0	0	0	0	0	0	0	0	0	0.8	2.2	
20-Apr-07	0	0	0	A	1	1	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0.6	2.0	
21-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5	
22-Apr-07	0	A	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.4	0.9	
23-Apr-07	A	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	A	0.3	0.8	
24-Apr-07	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0	0	C	C	C	A	0	0	0	0.4	0.8	
25-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.3	0.7	
26-Apr-07	0	1	1	A	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.8	
27-Apr-07	0	0	0	A	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	2.9	
28-Apr-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0.4	0.9	
29-Apr-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4	
30-Apr-07	A	1	1	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	A	0.5	0.9	
Hourly Avg	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.9	0.9	0.7	0.8	1.1	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5		
Hourly Max	1.5	1.6	1.7	2.2	1.6	2.9	2.9	1.4	1.5	2.0	1.6	7.0	4.2	3.6	4.7	10.8	3.5	3.1	4.3	1.5	1.5	1.4	1.5			

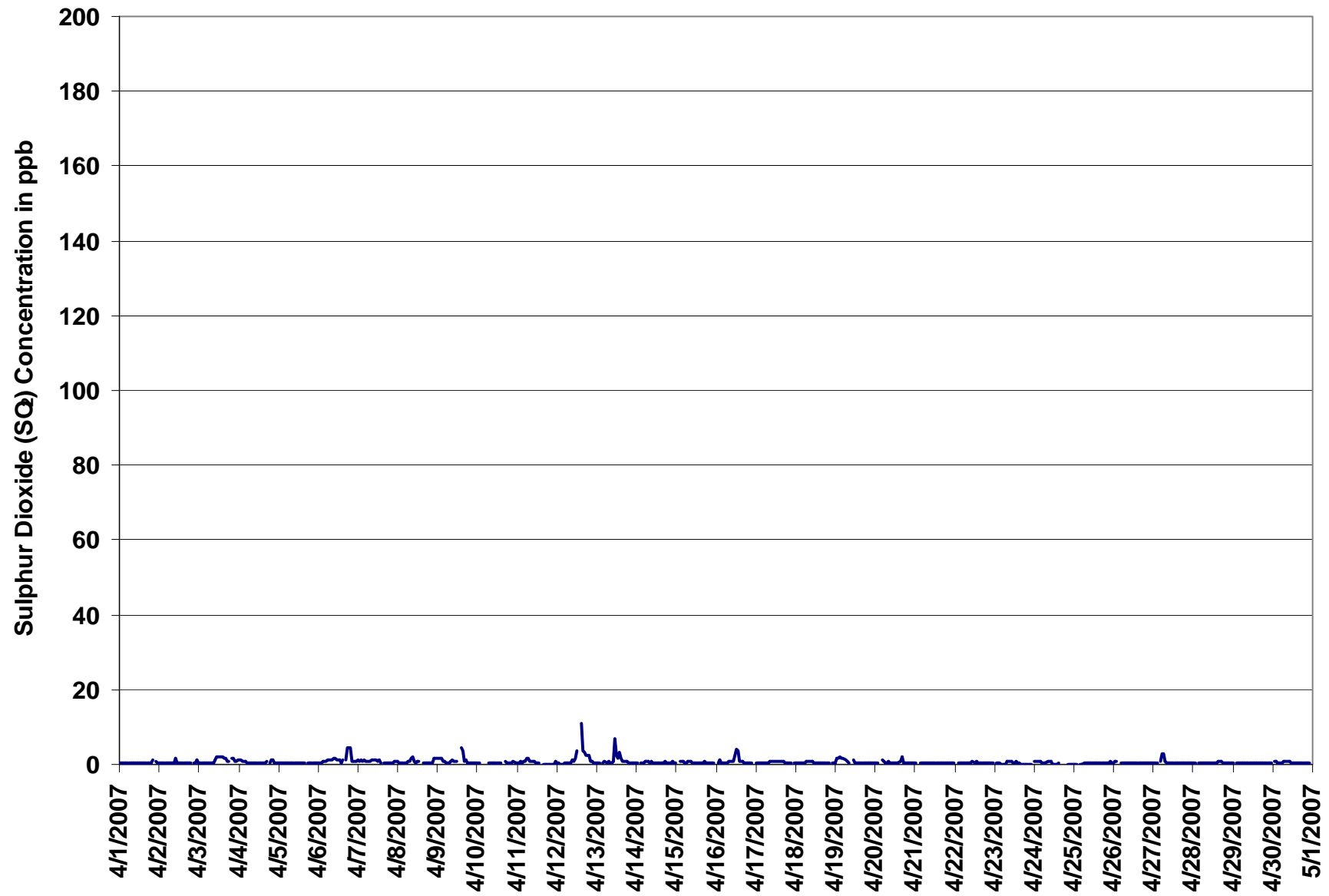
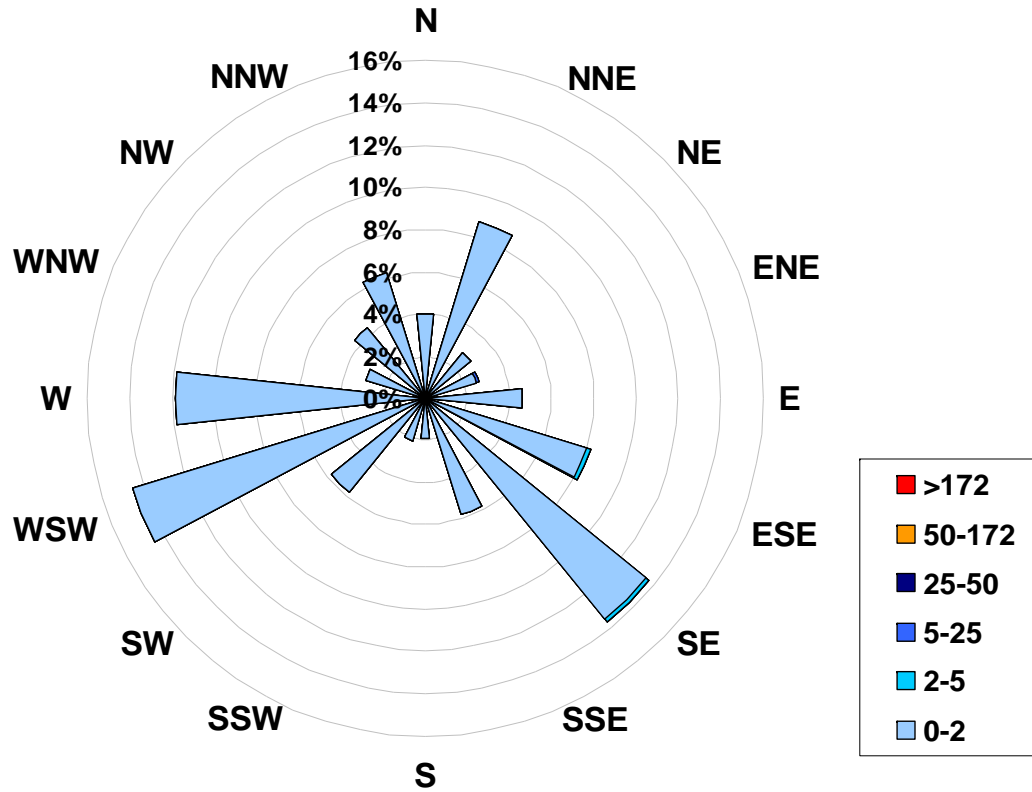


Figure 47. PASZA - Portable-Falher Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Portable-Falher Site for April 2007



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	<	2	672
2	to	5	2
5	to	25	1
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			675

PASZA - Portable-Falher - Nitrogen Dioxide Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

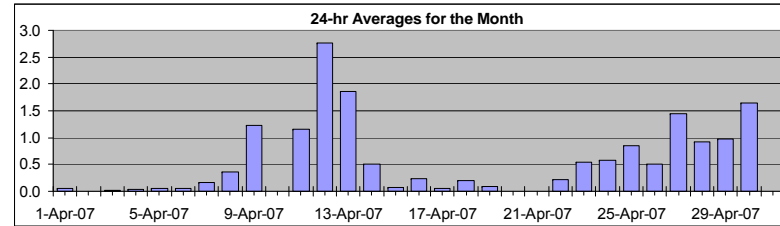
HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:				0
Number of 24-hr Exceedances:				0
Maximum 1-hr Average:	9.8	ppb	30-Apr	23:00 0:00
Maximum 24-hr Average:	2.8	ppb	12-Apr	



AIC Time:		48 hrs	Operational Time:		658 hrs
Calibration Time:		5 hrs	AMD Operational Uptime:		98.8%
Percentile	99	95	75	50	25
	4.9	2.4	0.7	0.0	0.0
			5	1	
			0.0	0.0	
			Average		Median
			0.6 ppb		0.0 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0.1	0.9
2-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.0	0.0
3-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0.0	0.3	
4-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.0	0.5	
5-Apr-07	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	A	0	0	0	0	0.0	0.6	
6-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	1	0	0	0	0	0.1	0.8	
7-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0	0	0	0	0	0	1	0.2	1.4	
8-Apr-07	1	1	1	1	0	0	0	0	0	0	0	0	0	A	1	0	1	1	0	0	1	1	0	0.4	1.0	
9-Apr-07	0	1	2	2	1	1	0	0	1	1	1	A	A	1	1	1	2	2	3	2	2	1	1	1	1.2	3.4
10-Apr-07	0	1	P	P	P	P	P	0	0	A	A	1	0	0	0	0	0	0	0	0	0	0	0	N	0.7	
11-Apr-07	0	0	0	0	0	0	0	0	0	A	3	0	0	0	0	0	0	2	3	3	5	5	3	3	1.2	5.0
12-Apr-07	1	1	2	1	2	4	3	A	4	3	2	2	2	2	3	3	8	7	5	A	A	1	1	0	2.8	8.0
13-Apr-07	0	0	A	4	3	4	2	1	1	1	2	1	1	0	0	1	1	2	2	2	1	7	4	1	1.9	6.6
14-Apr-07	0	A	1	2	1	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.5	3.4
15-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0.1	1.5
16-Apr-07	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	A	0	0.2	1.2
17-Apr-07	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0.0	0.5	
18-Apr-07	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	A	2	1	0	0	0.2	2.1	
19-Apr-07	0	0	0	0	0	0	0	0	0	M	M	M	M	2	0	0	0	0	0	0	0	0	0	0.1	1.6	
20-Apr-07	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
21-Apr-07	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.0	0.0	
22-Apr-07	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	3	0.2	2.8
23-Apr-07	3	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	A	2	2	0.5	2.5
24-Apr-07	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	C	C	C	C	C	A	2	1	1	0.6	2.5
25-Apr-07	1	1	1	A	2	1	1	1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	1	1	0.9	2.1
26-Apr-07	1	1	2	A	2	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	1	0.5	2.4
27-Apr-07	1	0	1	A	2	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	5	7	4	2	1.4	6.9
28-Apr-07	2	A	A	2	2	2	1	1	1	1	1	1	1	1	1	1	0	2	0	1	1	0	0	0	0.9	2.3
29-Apr-07	A	A	2	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	2	2	A	1.0	2.1
30-Apr-07	4	2	1	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	1	2	A	A	10	1.6	9.8
Hourly Avg	0.5	0.4	0.5	0.6	0.7	0.8	0.7	0.4	0.5	0.5	0.4	0.3	0.2	0.3	0.3	0.3	0.5	0.6	0.6	0.6	0.7	1.1	0.8	1.1		
Hourly Max	3.7	2.2	1.9	3.7	3.1	4.2	3.4	1.7	4.1	3.4	2.4	2.4	2.5	2.2	3.2	3.2	8.0	6.6	5.1	3.1	5.0	6.9	4.4	9.8		

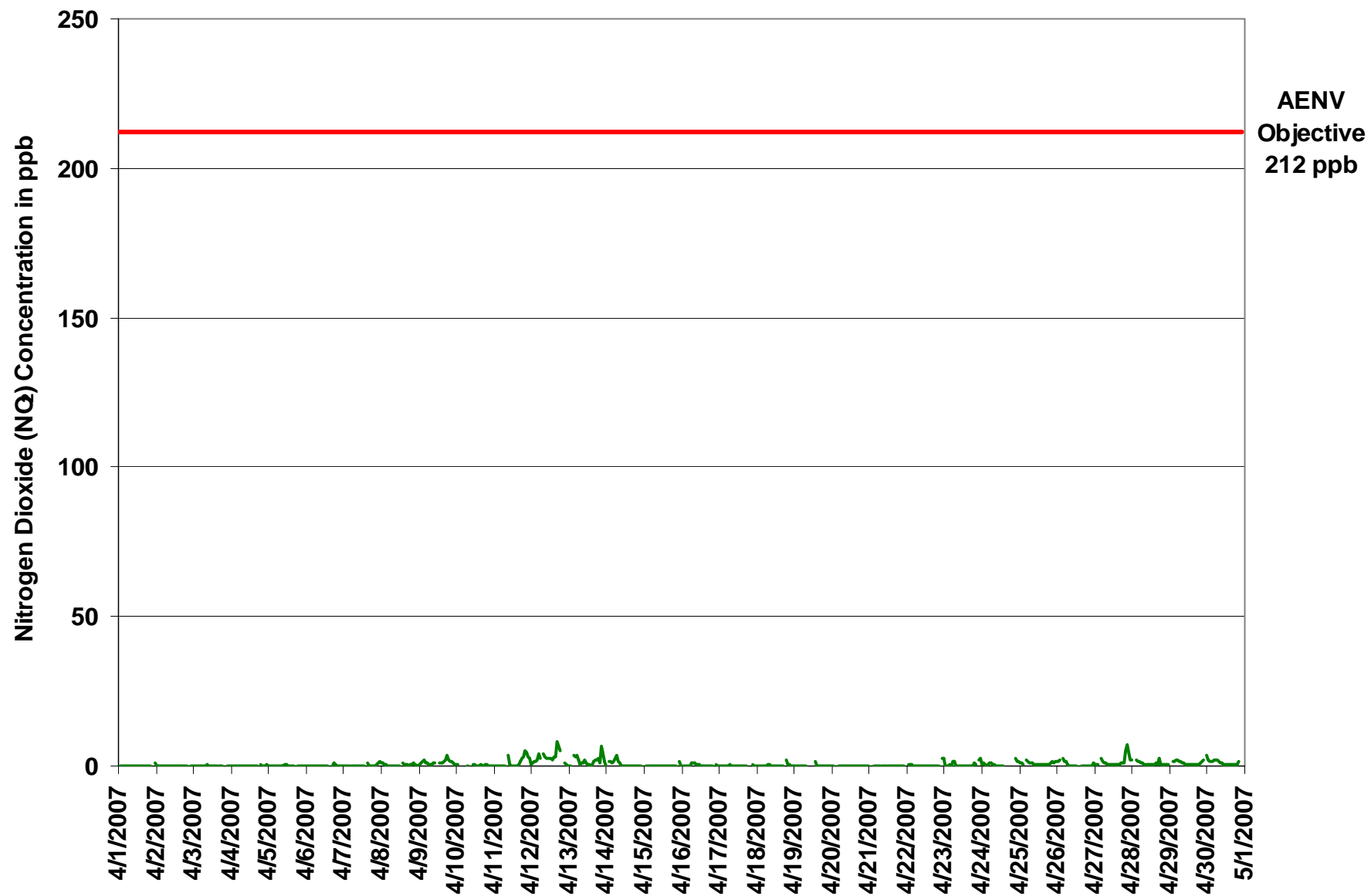


Figure 48. PASZA - Portable-Falher Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

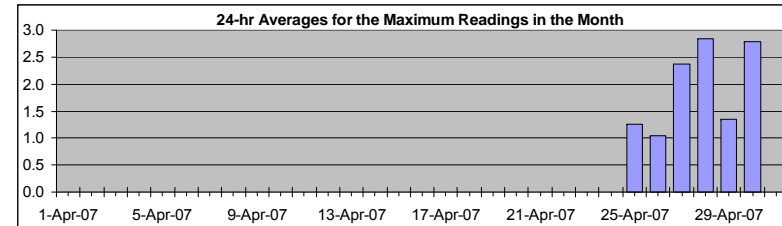
Nitrogen Dioxide (NO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	19.6	ppb	28-Apr	17:00 18:00
Maximum 24-hr Value:	2.8	ppb	28-Apr	

AIC Time:	12 hrs	Operational Time:	136 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	21.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	15.3	4.8	2.1	1.2	0.7	0.0	0.0	2.0 ppb	1.2 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Apr-07																									N	0.0	
2-Apr-07																										N	0.0
3-Apr-07																										N	0.0
4-Apr-07																										N	0.0
5-Apr-07																										N	0.0
6-Apr-07																										N	0.0
7-Apr-07																										N	0.0
8-Apr-07																										N	0.0
9-Apr-07																										N	0.0
10-Apr-07																										N	0.0
11-Apr-07																										N	0.0
12-Apr-07																										N	0.0
13-Apr-07																										N	0.0
14-Apr-07																										N	0.0
15-Apr-07																										N	0.0
16-Apr-07																										N	0.0
17-Apr-07																										N	0.0
18-Apr-07																										N	0.0
19-Apr-07																										N	0.0
20-Apr-07																										N	0.0
21-Apr-07																										N	0.0
22-Apr-07																										N	0.0
23-Apr-07																										N	0.0
24-Apr-07																C	C	C	C	C	A	3	2	2		N	3.2
25-Apr-07	1	1	1	A	3	2	3	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	1	3	1.3	3.3	
26-Apr-07	2	2	4	A	3	2	2	1	0	0	0	0	0	2	A	1	0	0	0	0	0	0	0	3	1.0	4.1	
27-Apr-07	1	2	1	A	4	2	2	1	1	1	1	2	1	1	1	1	1	1	1	7	10	10	3	2.4	9.7		
28-Apr-07	3	A	A	3	2	2	1	1	1	1	1	1	1	1	15	4	20	1	1	1	1	1	1	1	2.8	19.6	
29-Apr-07	A	A	2	2	3	3	2	2	1	1	1	1	0	0	0	0	1	1	1	1	1	2	3	A	1.4	2.9	
30-Apr-07	6	4	2	2	4	3	4	2	4	3	1	1	1	2	1	0	1	1	1	1	4	A	A	15	2.8	14.9	
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	5.8	3.6	4.1	3.4	4.1	2.9	3.5	2.3	3.8	3.1	1.3	1.8	0.9	1.9	1.4	15.5	4.5	19.6	1.2	1.4	7.1	9.7	9.5	14.9			

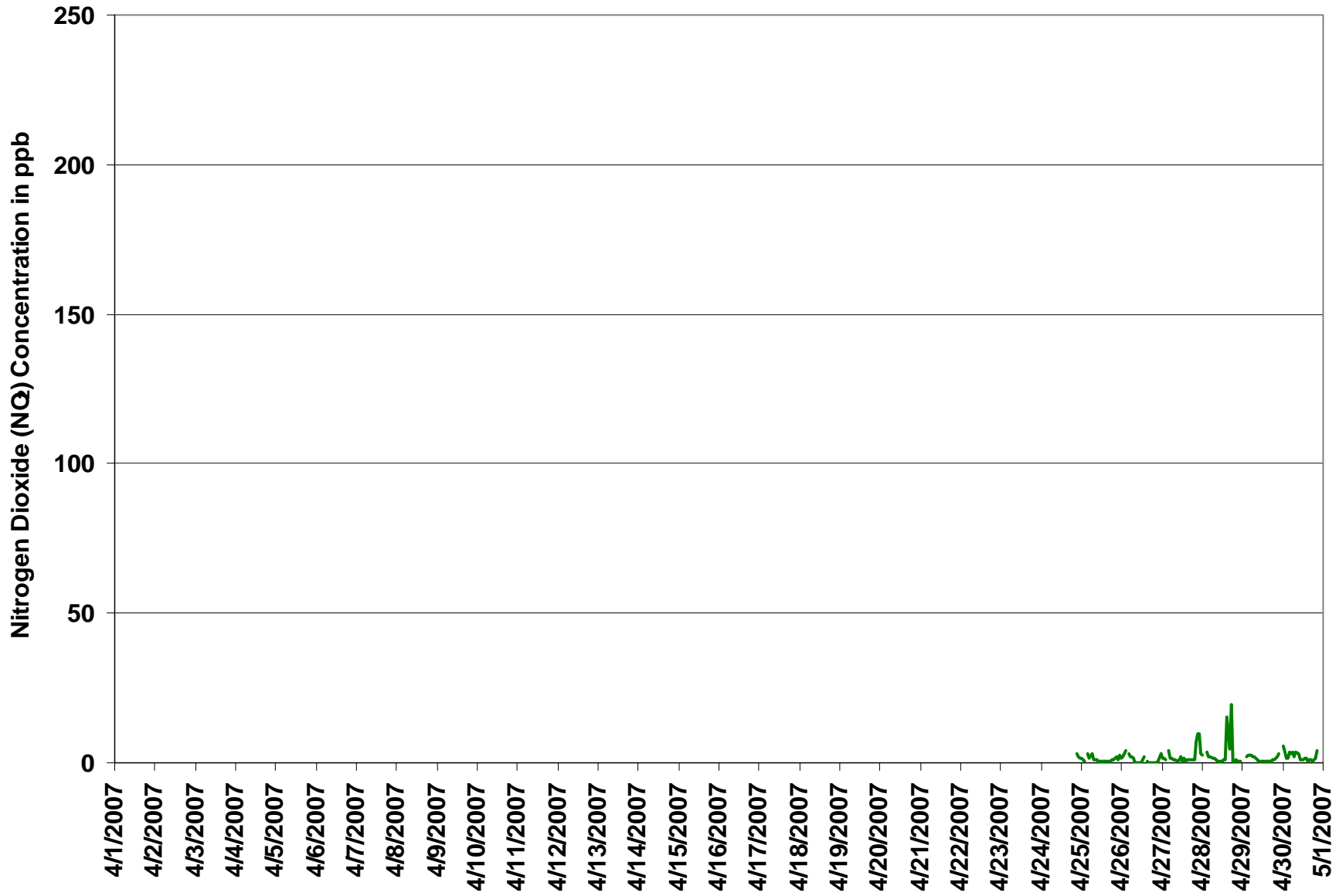
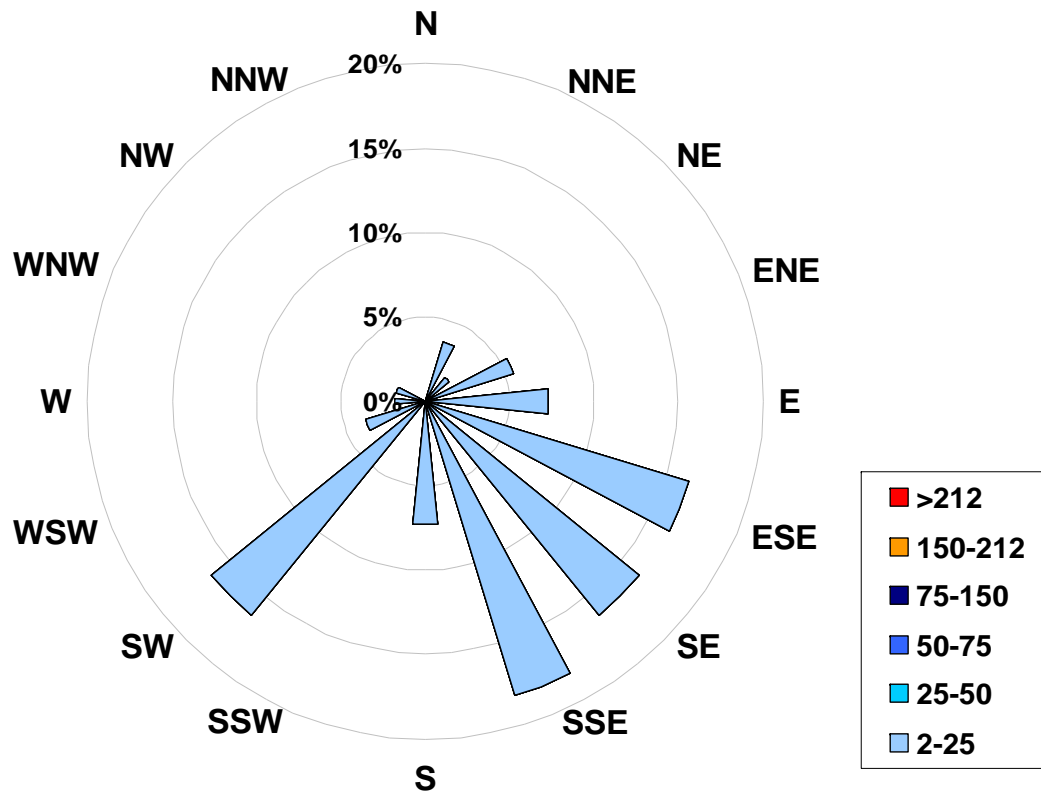


Figure 49. PASZA - Portable-Falher Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Nitrogen Dioxide (in ppb) Located at the Portable-Falher Site for April 2007



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		658
25	to 50		0
50	to 75		0
75	to 150		0
150	to 212		0
	> 212		0
Total Non-Zero Values			658

PASZA - Portable-Falher - Nitric Oxide Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

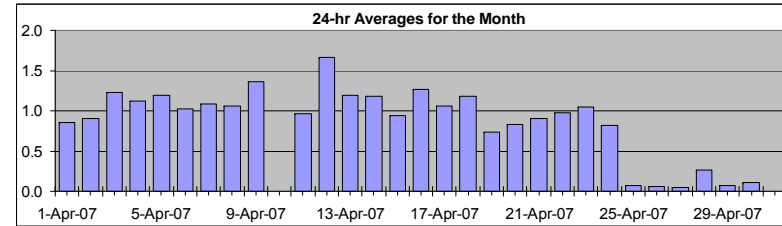
Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	4.5	ppb	28-Apr	17:00 18:00
Maximum 24-hr Average:	1.7	ppb	12-Apr	

AIC Time:	48 hrs	Operational Time:	658 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	98.8%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.1	2.0	1.0	0.8	0.7	0.0	0.0	0.9 ppb	0.8 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.9	1.1	
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0.9	1.4	
3-Apr-07	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	A	A	1	1	1	1.2	2.4	
4-Apr-07	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	A	1	1	1	1	1	1.1	2.0	
5-Apr-07	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1	1	2	1	A	1	1	1	1	1	1.2	3.7	
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	2	1	1	1	1	1	1.0	1.5	
7-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	A	1	1	1	1	1	1	1	1	1.1	1.6	
8-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	1	1	1	1	1	1	1	1	1	1.1	1.8	
9-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	A	A	2	2	2	3	3	3	2	1	1	1	1.4	3.3	
10-Apr-07	1	1	P	P	P	P	P	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	N	1.0	
11-Apr-07	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.5	
12-Apr-07	1	1	1	1	1	1	2	3	A	3	4	3	3	3	2	2	2	4	2	0	A	A	0	0	0	1.7	3.6
13-Apr-07	0	1	A	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.1	
14-Apr-07	1	A	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.2	2.8	
15-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.2	
16-Apr-07	1	1	1	1	1	1	1	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	A	1	1.3	2.9	
17-Apr-07	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1.1	2.0	
18-Apr-07	1	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	1	A	1	1	1	1	1	1.2	3.1	
19-Apr-07	1	1	1	1	1	1	1	1	1	M	M	M	M	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9	
20-Apr-07	1	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.4	
21-Apr-07	1	A	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.1	
22-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.0	1.3	
23-Apr-07	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.1	2.0	
24-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	C	C	A	0	0	0	0.8	1.3	
25-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
26-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.1	0.3	
27-Apr-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
28-Apr-07	0	A	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	0	0	0	0	0	0.3	4.5	
29-Apr-07	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.1	0.3	
30-Apr-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0.1	0.4	
Hourly Avg	0.6	0.7	0.7	0.7	0.6	0.7	0.9	1.0	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0	1.0	0.8	0.7	0.7	0.6	0.6	0.6			
Hourly Max	0.9	0.9	0.9	0.9	0.9	1.5	2.6	3.1	3.4	3.6	3.1	3.7	2.8	2.3	2.2	2.0	3.6	4.5	3.3	1.8	1.4	1.2	0.9	0.9			

PASZA - Portable-Falher Oxides of Nitrogen Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

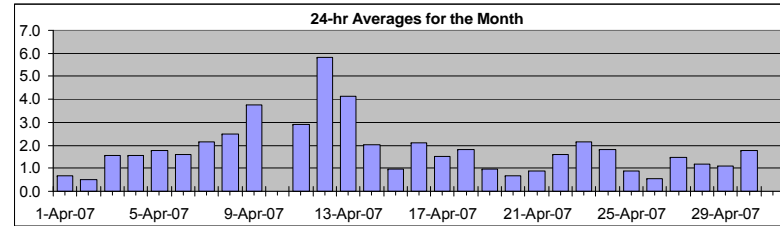
Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Maximum 1-hr Average:	13.4	ppb	12-Apr	16:00 17:00
Maximum 24-hr Average:	5.8	ppb	12-Apr	

AIC Time:	48 hrs	Operational Time:	658 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	98.8%						
Percentile	99	95	75	50	25	5	1	Average	Median
	7.5	5.0	2.3	1.4	0.8	0.3	0.0	1.8 ppb	1.4 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																								24-hour Average	Daily Maximum
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	A	2	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	A	3	0.7	2.8	
2-Apr-07	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	A	2	1	0.5	1.6	
3-Apr-07	1	1	2	2	1	1	1	1	2	2	2	3	2	2	2	2	1	1	A	A	2	2	1	1.6	2.5	
4-Apr-07	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	A	3	2	1	2	2	1.5	2.5	
5-Apr-07	2	2	1	1	2	2	1	2	2	2	4	5	4	1	1	2	1	A	2	1	1	1	1	1.8	5.5	
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	A	A	2	3	3	2	2	2	1.6	3.4	
7-Apr-07	2	2	1	2	1	1	1	1	2	2	2	2	2	2	A	4	2	2	2	2	3	3	3	2.1	3.8	
8-Apr-07	3	3	3	3	2	2	2	2	2	2	2	3	A	4	3	3	3	2	3	3	2	2	2	2.5	3.7	
9-Apr-07	2	3	4	4	3	3	2	2	3	3	4	A	A	4	5	4	5	6	8	5	4	4	3	3.7	7.8	
10-Apr-07	2	3	P	P	P	P	P	2	1	A	A	3	2	2	2	2	2	2	2	2	2	1	1	N	2.6	
11-Apr-07	1	1	1	1	1	2	2	2	A	6	2	2	2	1	1	1	3	4	5	5	7	7	5	4	2.9	6.9
12-Apr-07	2	3	3	3	4	7	6	A	9	8	7	6	7	6	7	7	13	10	7	A	A	3	2	2	5.8	13.4
13-Apr-07	2	1	A	6	5	6	5	3	4	5	6	4	3	3	2	3	4	5	4	4	3	9	6	3	4.1	8.5
14-Apr-07	1	A	3	4	3	3	7	5	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	A	2.0	6.7
15-Apr-07	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	3	1.0	3.3
16-Apr-07	1	2	1	1	1	2	3	4	5	4	5	4	3	3	2	1	1	1	1	0	0	A	2	1	2.1	4.6
17-Apr-07	1	1	2	1	1	2	2	4	2	1	1	1	1	1	2	1	1	1	2	A	A	2	1	1	1.5	3.6
18-Apr-07	1	1	1	1	1	1	2	5	4	3	2	1	1	1	1	1	1	1	A	4	3	2	1	1	1.8	4.8
19-Apr-07	1	1	1	1	1	1	1	1	1	M	M	M	M	3	2	2	1	1	1	1	1	0	0	1.0	3.4	
20-Apr-07	0	0	A	A	1	0	0	0	0	0	0	0	0	0	0	3	1	1	1	1	1	1	1	1	0.7	2.5
21-Apr-07	1	A	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.6
22-Apr-07	A	3	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	2	A	5	1.6	4.6
23-Apr-07	4	2	2	2	2	4	5	3	3	2	1	1	1	1	1	1	1	1	2	3	2	A	4	4	2.2	4.7
24-Apr-07	2	3	2	2	2	3	3	2	3	2	1	1	1	1	0	C	C	C	C	C	A	2	1	1	1.8	3.0
25-Apr-07	1	1	1	A	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0.9	2.1
26-Apr-07	1	1	2	A	2	1	2	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	1	0.5	2.4	
27-Apr-07	1	1	0	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	7	4	2	1.5	7.0
28-Apr-07	2	A	A	2	2	1	1	1	1	1	1	1	1	1	1	2	1	7	0	1	1	0	0	0	1.2	6.8
29-Apr-07	A	A	2	1	2	2	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	A	1.1	2.2
30-Apr-07	4	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	A	A	10	1.8	10.1
Hourly Avg	1.6	1.6	1.6	1.8	1.7	1.9	2.1	1.8	2.0	2.0	1.9	1.7	1.5	1.5	1.5	1.6	1.8	2.0	1.8	1.7	1.8	2.2	2.0	2.3		
Hourly Max	4.3	2.9	3.5	5.5	5.0	6.7	6.7	5.2	8.5	8.1	6.6	6.4	6.7	5.7	6.9	6.7	13.4	10.2	7.8	5.2	6.9	8.5	6.0	10.1		

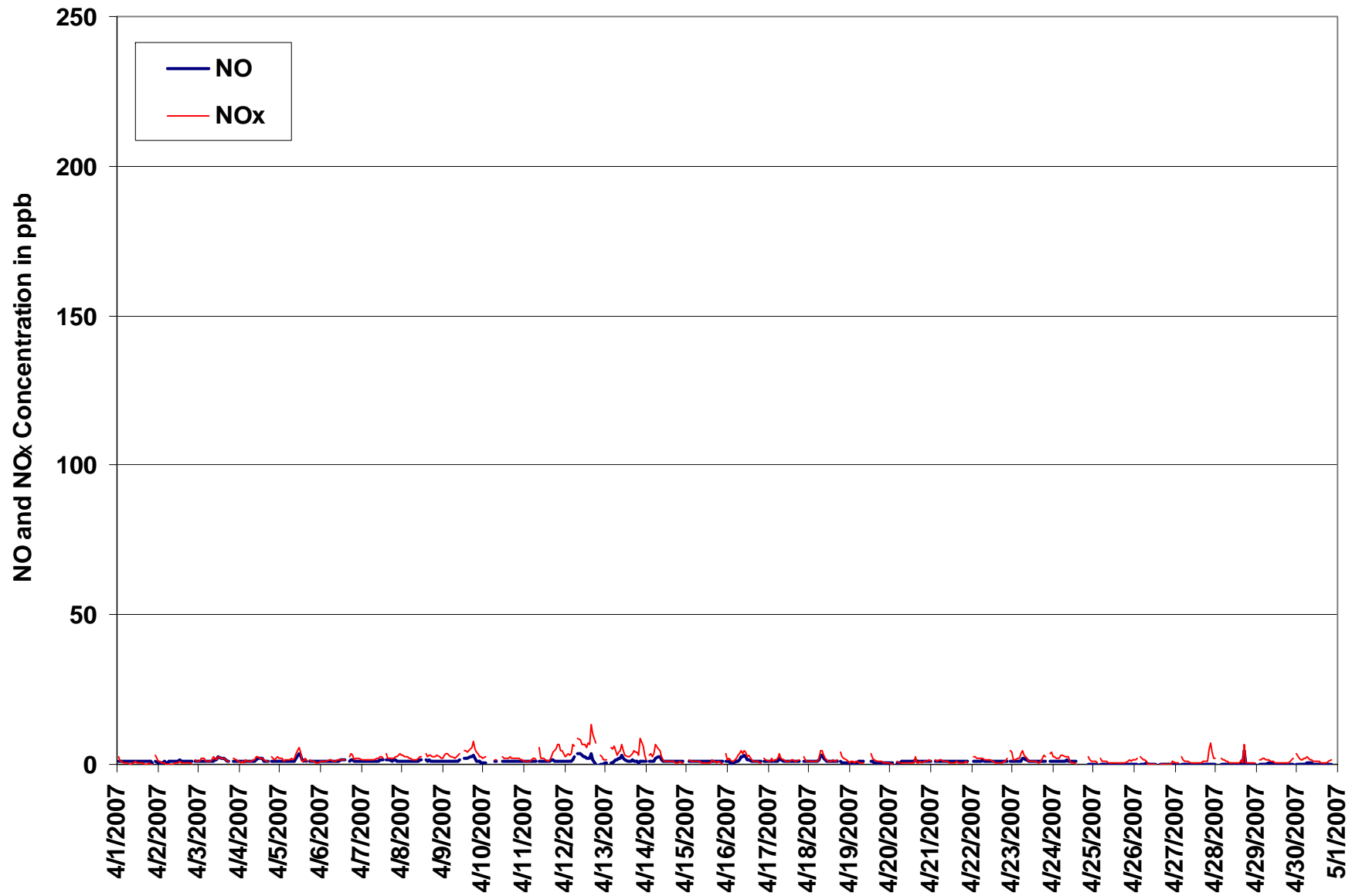


Figure 50. PASZA - Portable-Falher Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

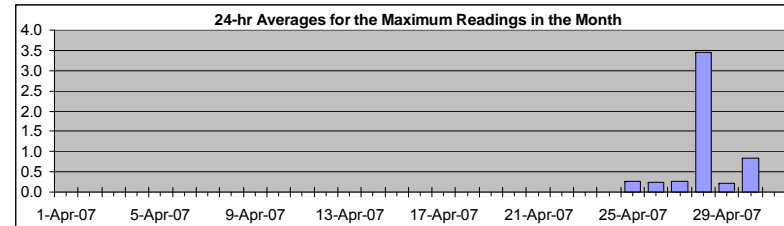
Nitric Oxide (NO)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	50.5	ppb	28-Apr	17:00 18:00
Maximum 24-hr Value:	3.4	ppb	28-Apr	

AIC Time:	12 hrs	Operational Time:	136 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	21.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	13.5	1.7	0.3	0.2	0.1	0.0	0.0	0.9 ppb	0.2 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Apr-07																									N	0.0	
2-Apr-07																										N	0.0
3-Apr-07																										N	0.0
4-Apr-07																										N	0.0
5-Apr-07																										N	0.0
6-Apr-07																										N	0.0
7-Apr-07																										N	0.0
8-Apr-07																										N	0.0
9-Apr-07																										N	0.0
10-Apr-07																										N	0.0
11-Apr-07																										N	0.0
12-Apr-07																										N	0.0
13-Apr-07																										N	0.0
14-Apr-07																										N	0.0
15-Apr-07																										N	0.0
16-Apr-07																										N	0.0
17-Apr-07																										N	0.0
18-Apr-07																										N	0.0
19-Apr-07																										N	0.0
20-Apr-07																										N	0.0
21-Apr-07																										N	0.0
22-Apr-07																										N	0.0
23-Apr-07																										N	0.0
24-Apr-07																C	C	C	C	A	0	0	0			N	0.1
25-Apr-07	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	N	0.3
26-Apr-07	0	0	0	A	0	0	1	1	0	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	N	0.2
27-Apr-07	0	0	0	A	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	N	0.3
28-Apr-07	0	A	A	0	0	0	0	0	0	1	0	0	0	1	1	18	3	50	0	0	0	0	0	0	0	N	3.4
29-Apr-07	A	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	N	0.2	
30-Apr-07	0	0	0	0	0	0	2	1	3	3	0	0	0	2	1	0	0	5	0	0	0	0	A	A	1	N	0.8
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	N	N
Hourly Max	0.2	0.3	0.2	0.1	0.2	0.3	1.5	0.6	2.8	3.1	1.5	0.9	0.3	2.0	0.6	18.3	2.8	50.5	0.7	0.3	0.1	0.2	0.1	1.2			

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

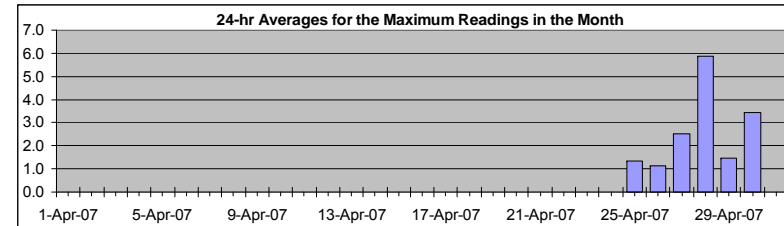
Oxides of Nitrogen (NO_x)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	64.8	ppb	28-Apr	17:00 18:00
Maximum 24-hr Value:	5.9	ppb	28-Apr	

AIC Time:	12 hrs	Operational Time:	136 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	21.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	27.6	6.7	2.6	1.3	0.8	0.0	0.0	2.6 ppb	1.3 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Apr-07																									N	0.0	
2-Apr-07																										N	0.0
3-Apr-07																										N	0.0
4-Apr-07																										N	0.0
5-Apr-07																										N	0.0
6-Apr-07																										N	0.0
7-Apr-07																										N	0.0
8-Apr-07																										N	0.0
9-Apr-07																										N	0.0
10-Apr-07																										N	0.0
11-Apr-07																										N	0.0
12-Apr-07																										N	0.0
13-Apr-07																										N	0.0
14-Apr-07																										N	0.0
15-Apr-07																										N	0.0
16-Apr-07																										N	0.0
17-Apr-07																										N	0.0
18-Apr-07																										N	0.0
19-Apr-07																										N	0.0
20-Apr-07																										N	0.0
21-Apr-07																										N	0.0
22-Apr-07																										N	0.0
23-Apr-07																										N	0.0
24-Apr-07																C	C	C	C	C	A	3	2	2		N	3.2
25-Apr-07	1	1	1	A	3	1	4	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	3		1.3	4.1	
26-Apr-07	2	2	4	A	3	2	3	2	0	0	0	0	0	2	A	1	0	0	0	0	0	0	3		1.1	4.0	
27-Apr-07	1	1	1	A	4	1	1	1	1	1	3	3	1	2	1	1	1	1	1	7	10	10	3		2.5	9.8	
28-Apr-07	3	A	A	3	2	2	1	1	1	1	1	1	1	1	34	7	65	1	1	1	1	1	1		5.9	64.8	
29-Apr-07	A	A	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	A		1.5	2.9	
30-Apr-07	6	3	2	2	3	3	5	3	7	6	1	1	1	4	2	1	1	3	1	1	4	A	A	16		3.5	16.2
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	5.9	3.5	4.0	3.2	4.0	2.9	4.9	2.8	6.7	5.8	2.6	2.6	1.2	3.8	2.0	33.7	6.9	64.8	1.5	1.3	7.2	9.8	9.5	16.2			

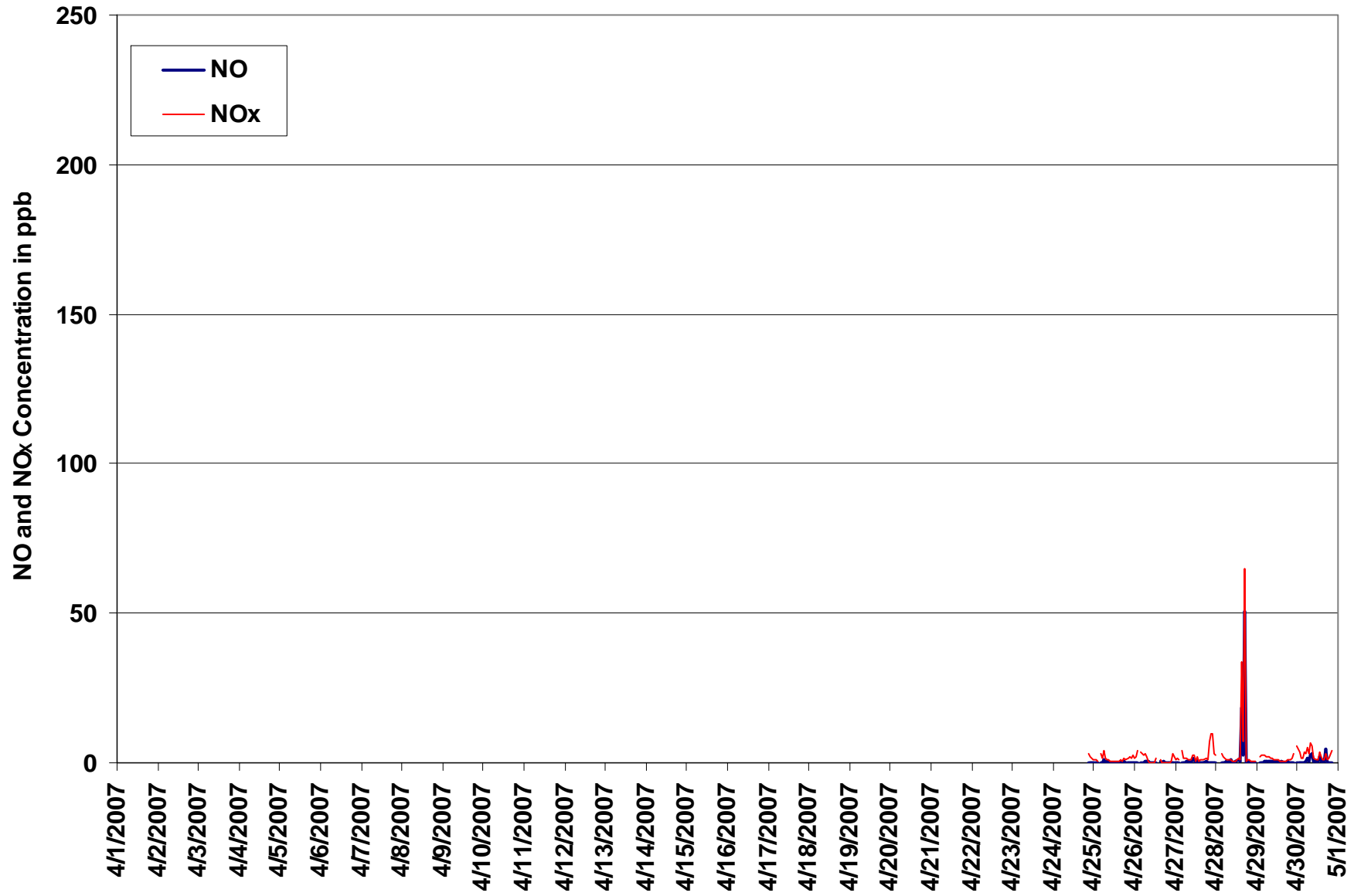


Figure 51. PASZA - Portable-Falher Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Portable-Falher - Ozone Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

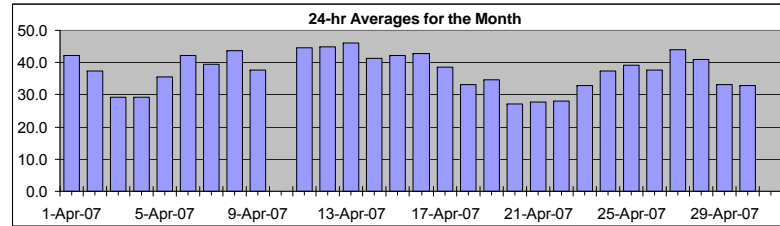
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:	0		
Maximum 1-hr Average:	58.4 ppb	13-Apr	14:00 15:00
Maximum 24-hr Average:	46.2 ppb	13-Apr	

AIC Time:	35 hrs	Operational Time:	676 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	54.7	49.6	43.1	38.6	32.6	22.5	16.1	37.5 ppb	38.6 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																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	41	42	42	42	43	42	41	41	41	42	43	43	43	43	43	43	44	44	43	43	41	A	41	41	42.3	43.8	
2-Apr-07	41	41	40	40	40	39	38	36	35	34	33	33	32	33	35	38	39	40	40	39	A	39	38	37	37.3	40.8	
3-Apr-07	37	38	37	35	32	29	25	22	21	21	22	24	25	27	30	32	33	32	30	A	30	31	31	29	29.3	38.1	
4-Apr-07	28	26	25	24	23	23	22	22	23	24	26	28	31	34	35	36	37	37	A	35	34	35	34	33	29.3	36.8	
5-Apr-07	32	30	29	28	27	27	26	26	27	30	35	37	38	39	42	43	43	A	43	44	44	43	43	42	35.6	43.7	
6-Apr-07	42	41	41	40	40	41	41	41	41	41	41	41	42	44	46	48	A	45	44	43	43	42	42	42	42.1	47.6	
7-Apr-07	42	41	41	40	39	39	38	38	38	38	39	40	43	45	46	A	45	40	37	36	35	37	37	38	39.6	46.1	
8-Apr-07	40	40	40	41	40	39	38	37	38	38	39	42	45	50	A	53	54	52	50	51	50	48	43	37	43.8	54.3	
9-Apr-07	35	37	37	37	36	36	36	36	35	35	37	38	40	A	39	38	42	44	43	43	39	38	35	33	37.8	43.7	
10-Apr-07	32	31	P	P	P	P	P	37	38	39	41	42	43	43	44	A	A	44	45	44	43	44	44	44	N	44.5	
11-Apr-07	44	44	44	43	43	42	42	42	43	44	46	47	49	50	A	A	51	50	47	46	44	39	38	42	44.5	50.9	
12-Apr-07	44	45	44	43	43	41	36	36	39	43	44	47	50	A	A	52	53	45	48	46	49	47	48	47	45.0	52.5	
13-Apr-07	47	45	44	A	41	38	37	39	41	42	42	42	46	51	58	58	57	54	52	50	50	50	40	38	46.2	58.4	
14-Apr-07	40	44	A	39	35	33	32	30	31	34	41	42	44	47	48	48	49	48	47	46	44	43	43	42	41.3	49.1	
15-Apr-07	41	A	41	41	40	39	39	40	42	43	44	45	46	46	46	46	47	46	43	41	40	39	40	39	42.3	47.1	
16-Apr-07	A	39	39	39	39	38	37	36	36	35	38	40	44	48	52	53	50	47	46	47	47	47	45	A	42.9	52.5	
17-Apr-07	43	46	44	41	39	38	38	35	33	32	34	34	35	38	38	42	43	42	42	40	38	39	A	33	38.5	46.1	
18-Apr-07	33	32	30	33	32	30	29	27	26	28	30	32	35	39	39	38	38	40	37	33	33	A	34	35	33.1	40.1	
19-Apr-07	35	37	35	35	34	33	30	32	31	M	M	34	35	34	34	36	37	39	39	37	36	35	34	33	34.7	38.8	
20-Apr-07	31	30	29	A	28	30	31	30	29	28	28	28	28	28	27	27	28	25	25	24	23	23	23	23	27.2	31.1	
21-Apr-07	21	21	A	19	20	21	20	21	24	24	29	34	36	35	37	36	35	34	34	33	31	26	24	23	27.8	36.6	
22-Apr-07	19	A	16	15	15	13	14	18	22	26	27	30	32	36	38	40	41	41	41	39	34	30	28	28	28.0	41.2	
23-Apr-07	A	20	21	20	16	17	15	13	19	26	37	45	47	47	48	49	49	51	47	37	35	34	29	A	32.9	51.1	
24-Apr-07	33	36	33	33	30	28	29	28	32	35	38	44	46	47	47	46	44	43	41	38	C	C	A	32	37.3	46.9	
25-Apr-07	31	34	37	A	36	36	36	38	39	40	41	42	43	45	46	47	46	46	44	41	36	33	32	30	39.0	46.5	
26-Apr-07	29	29	27	A	30	27	29	34	39	42	43	43	44	44	45	46	47	45	45	42	40	36	30	28	37.6	47.0	
27-Apr-07	27	32	34	A	33	39	41	46	48	49	50	50	51	52	53	56	57	58	58	52	34	23	33	35	44.0	58.3	
28-Apr-07	34	42	A	39	37	36	37	41	44	45	45	47	47	48	50	49	48	44	43	37	33	32	32	30	40.9	49.7	
29-Apr-07	28	A	26	25	23	22	26	28	32	35	36	38	41	42	43	43	44	42	42	39	31	29	26	23	33.1	43.5	
30-Apr-07	A	25	25	23	19	21	25	29	34	35	37	38	39	40	40	40	41	43	43	39	34	27	28	A	32.9	42.7	
Hourly Avg	35.1	35.8	34.6	34.0	33.0	32.2	32.0	32.7	33.9	35.4	37.5	39.0	40.6	42.0	42.6	43.8	44.4	43.5	42.7	40.7	38.3	36.6	35.6	34.7			
Hourly Max	46.7	46.1	44.3	43.1	43.3	42.4	41.6	45.6	48.3	49.4	49.5	50.2	50.9	51.7	58.4	58.3	57.4	58.3	58.2	52.2	50.3	50.2	48.2	47.2			

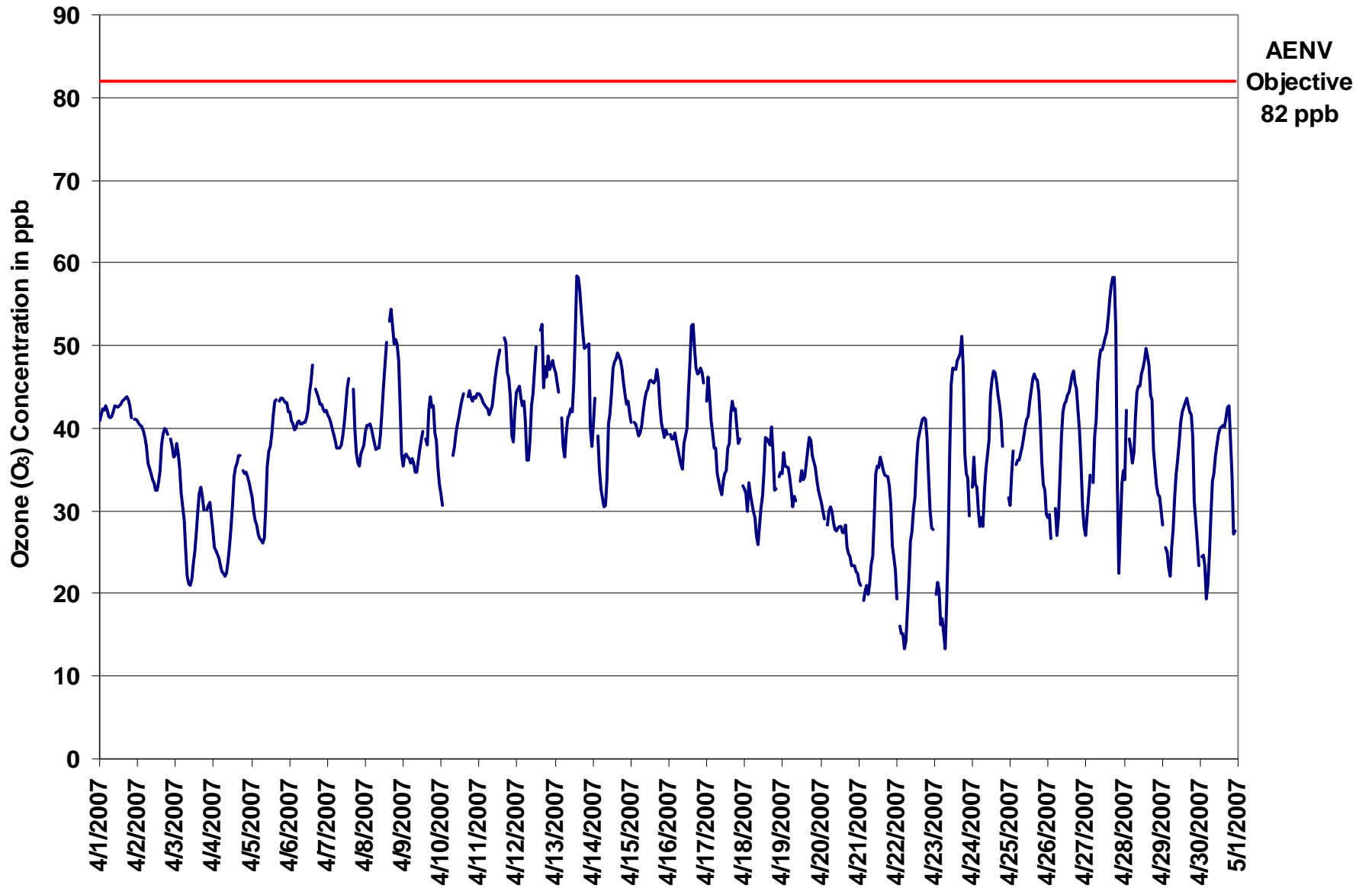


Figure 52. PASZA - Portable-Falher Ozone 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

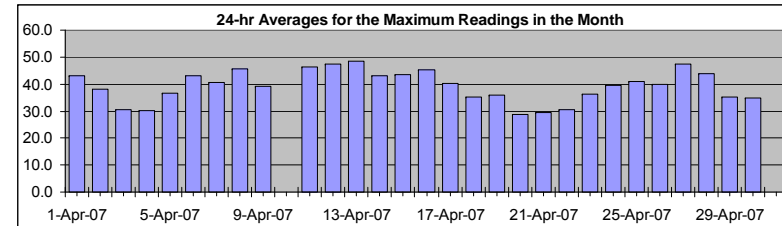
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	61.0	ppb	13-Apr	14:00 15:00
Maximum 24-hr Value:	48.4	ppb	13-Apr	

AIC Time:	35 hrs	Operational Time:	676 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	58.4	51.9	44.4	40.4	34.3	24.3	18.8	39.3 ppb	40.4 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-Apr-07	42	42	43	43	43	43	42	42	42	43	43	43	43	43	44	44	44	44	44	43	A	42	A	42	41	42.9	44.5
2-Apr-07	41	41	41	41	40	39	39	37	35	34	34	33	33	34	38	39	40	41	40	40	A	39	39	38	38	38.1	41.2
3-Apr-07	39	39	38	37	34	31	28	24	22	22	23	25	26	29	32	33	33	33	31	A	31	31	32	31	30.5	38.6	
4-Apr-07	29	27	26	25	24	23	23	23	23	25	27	30	32	35	36	36	37	37	A	37	35	36	35	34	30.3	37.4	
5-Apr-07	33	31	30	29	28	28	28	28	29	34	37	38	39	41	43	44	44	A	44	44	44	44	44	43	36.7	44.1	
6-Apr-07	43	41	41	41	41	41	41	41	41	41	41	42	43	45	46	57	A	45	45	44	44	43	43	43	43.2	57.4	
7-Apr-07	42	42	41	41	40	39	39	38	38	39	40	41	44	46	47	A	46	43	38	37	37	38	39	39	40.6	47.0	
8-Apr-07	41	41	41	41	41	40	39	38	38	39	40	44	48	53	A	56	56	55	53	53	52	51	47	39	45.5	56.4	
9-Apr-07	36	38	38	37	37	37	37	37	36	36	39	39	41	A	40	41	44	47	44	44	41	40	37	34	39.1	47.1	
10-Apr-07	33	32	P	P	P	P	P	38	39	41	42	42	43	44	45	A	A	45	46	45	44	44	44	45	N	45.6	
11-Apr-07	45	44	44	44	43	43	43	43	43	45	48	48	49	51	A	A	52	52	50	50	50	43	42	44	46.2	51.9	
12-Apr-07	46	47	45	45	44	44	39	38	41	44	46	49	53	A	A	55	57	48	52	52	51	50	50	49	47.4	57.1	
13-Apr-07	48	47	46	A	43	40	38	41	42	43	44	45	48	55	61	61	59	56	53	51	52	52	48	44	48.4	61.0	
14-Apr-07	43	45	A	42	37	35	33	33	33	37	44	43	48	48	49	49	50	49	48	46	45	45	44	43	43.0	50.3	
15-Apr-07	41	A	42	41	41	40	40	42	43	45	45	46	46	46	46	48	48	47	46	42	42	41	41	40	43.4	48.1	
16-Apr-07	A	40	41	41	41	39	39	37	37	37	40	41	51	54	56	56	53	49	49	48	48	48	47	A	45.1	56.0	
17-Apr-07	46	47	45	43	40	39	39	36	35	33	34	35	38	39	41	43	45	43	43	42	41	41	A	35	40.1	47.5	
18-Apr-07	34	35	34	35	34	32	31	30	29	30	32	34	36	41	40	40	41	42	39	36	36	A	37	38	35.3	41.9	
19-Apr-07	36	38	37	36	35	34	32	33	32	M	M	35	36	34	35	38	38	40	40	38	37	36	35	33	35.8	39.8	
20-Apr-07	32	31	30	A	29	31	31	31	30	28	28	29	29	29	29	30	38	27	26	26	26	25	24	24	28.8	38.4	
21-Apr-07	22	22	A	21	21	23	22	23	25	27	32	38	38	37	38	37	36	36	35	35	32	30	26	24	29.5	37.8	
22-Apr-07	23	A	17	19	19	17	16	21	27	27	29	33	34	38	40	41	42	42	42	40	37	33	30	30	30.4	42.3	
23-Apr-07	A	24	24	24	18	19	17	14	26	33	44	48	48	48	49	50	51	52	52	42	40	38	33	A	36.3	52.4	
24-Apr-07	35	38	35	34	34	30	32	31	35	36	42	47	48	49	48	47	46	44	43	41	C	C	A	34	39.6	48.8	
25-Apr-07	32	37	38	A	36	37	37	40	40	41	42	43	45	46	47	48	48	48	46	44	38	37	35	32	40.8	48.0	
26-Apr-07	31	32	30	A	32	30	31	37	42	43	44	44	45	45	46	49	49	48	46	46	43	39	34	30	39.9	48.5	
27-Apr-07	30	34	36	A	39	41	43	48	50	51	51	51	52	53	56	58	59	60	60	61	51	27	41	39	47.5	60.5	
28-Apr-07	50	48	A	41	40	38	39	45	46	47	47	48	49	50	51	51	50	47	46	43	36	33	33	31	43.9	51.5	
29-Apr-07	31	A	27	26	24	24	28	30	35	36	37	41	43	44	44	46	45	44	42	36	32	27	27	27	35.3	46.0	
30-Apr-07	A	27	26	25	21	23	26	33	35	37	38	39	40	41	42	41	43	44	45	45	36	29	31	A	34.9	44.9	
Hourly Avg	37.2	37.4	36.0	35.5	34.6	33.7	33.5	34.3	35.6	36.9	39.1	40.5	42.3	43.6	44.0	45.8	46.4	45.2	44.6	43.2	41.0	38.7	37.9	36.5			
Hourly Max	49.8	48.3	45.5	45.0	44.5	43.6	43.3	48.4	50.1	50.7	50.7	51.4	52.6	55.3	61.0	60.5	59.4	60.1	60.1	60.5	52.2	52.0	50.1	48.6			

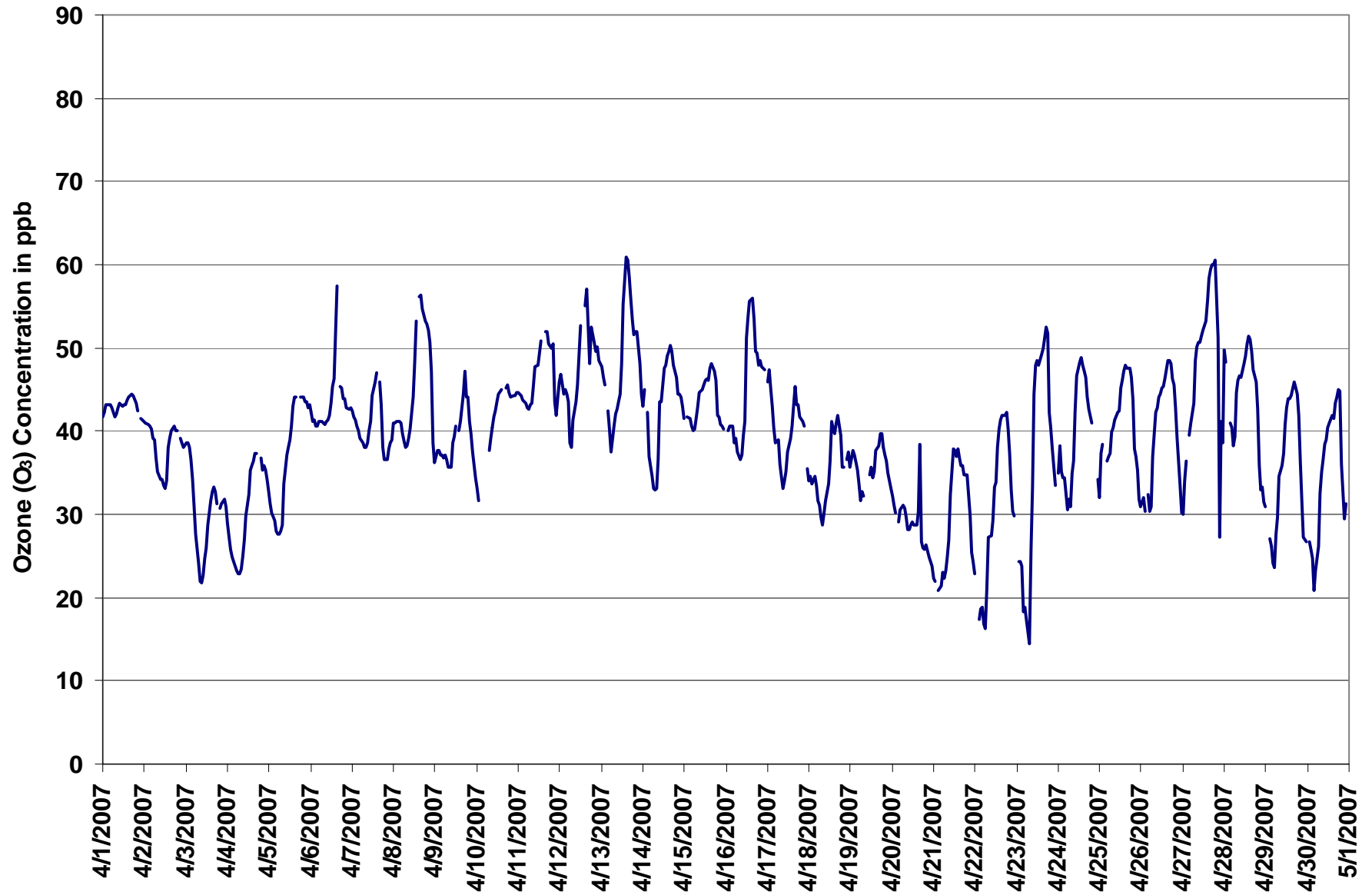
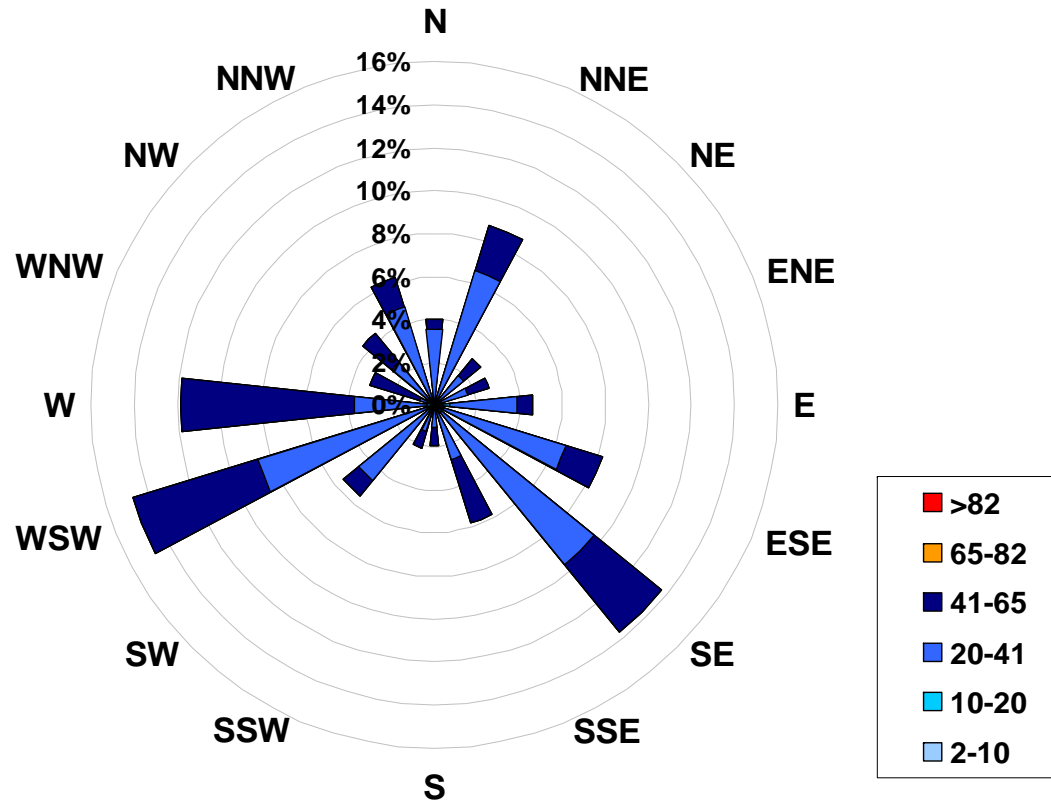


Figure 53. PASZA - Portable-Falher Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Portable-Falher Site for April 2007



Calms: 0%

Frequency Distribution of O ₃ in ppb			
Range			Frequency (hrs)
2.0	<	10	0
10	to	20	16
20	to	41	411
41	to	65	249
65	to	82	0
	>	82	0
Total Non-Zero Values			676

PASZA - Portable-Falher - Ozone Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

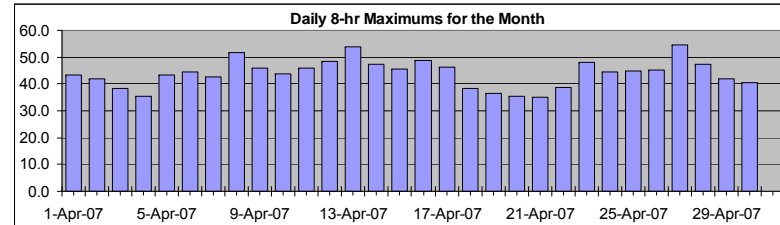
Ozone (O₃)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	54.7 ppb 27-Apr 19:00 20:00

Percentile	99	95	75	50	25	5	1
	52.4	47.4	42.4	38.6	33.1	23.6	18.4



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Apr-07	43	43	43	42	42	42	42	42	42	42	42	42	42	42	43	43	43	43	43	43	43	43	42	43.2	
2-Apr-07	42	42	41	41	40	40	40	39	38	38	37	36	35	34	34	34	35	35	36	37	38	39	39	39	42.0
3-Apr-07	38	38	38	37	37	35	34	32	30	28	26	24	24	23	24	25	27	28	29	30	31	31	31	31	38.4
4-Apr-07	30	29	29	28	27	26	25	24	24	23	23	24	25	26	28	30	31	33	34	35	35	35	35	35	35.5
5-Apr-07	34	33	33	32	31	30	29	28	28	28	28	30	31	32	34	36	39	40	41	42	43	43	43	43	43.3
6-Apr-07	43	43	42	42	41	41	41	41	41	40	40	41	41	41	42	43	43	44	44	44	45	44	44	43	44.5
7-Apr-07	43	42	42	42	41	41	40	40	39	39	38	39	39	40	41	41	42	43	42	42	41	39	38	38	42.8
8-Apr-07	38	38	38	39	39	39	40	39	39	39	39	39	40	41	41	44	46	48	50	51	52	51	50	48	51.6
9-Apr-07	46	44	42	40	39	37	36	36	36	36	36	36	37	37	37	37	38	40	40	41	41	41	40	40	45.8
10-Apr-07	38	37	36	N	N	N	N	N	N	N	N	N	N	40	41	41	N	N	N	N	N	N	44	43.9	
11-Apr-07	44	44	44	44	44	43	43	43	43	43	43	44	44	45	46	N	N	N	N	N	N	N	45	45	45.9
12-Apr-07	44	43	43	42	42	43	42	42	41	41	41	41	42	42	N	N	N	N	N	N	N	48	48	48	48.4
13-Apr-07	47	47	47	47	46	44	43	42	41	40	40	40	41	42	45	48	49	51	52	53	54	54	51	49	53.7
14-Apr-07	47	45	45	43	41	38	37	36	35	33	34	35	36	38	40	42	44	46	47	47	47	47	46	45	47.3
15-Apr-07	44	44	43	42	41	41	40	40	40	41	41	42	42	43	44	45	45	46	45	45	44	43	43	42	45.6
16-Apr-07	41	40	39	39	39	39	39	38	38	37	37	38	38	39	41	43	45	47	48	48	49	49	48	47	48.8
17-Apr-07	46	46	46	45	44	42	41	40	39	37	36	35	35	35	35	36	37	38	39	40	40	41	41	40	46.1
18-Apr-07	38	37	35	34	33	32	32	31	30	29	29	29	30	31	32	33	35	36	37	37	37	37	36	36	38.2
19-Apr-07	35	35	34	35	35	35	34	34	33	33	N	N	N	N	N	N	N	35	36	36	36	37	37	36	36.6
20-Apr-07	35	34	33	33	31	31	30	30	29	29	29	29	29	29	28	28	28	28	27	27	26	26	25	24	35.4
21-Apr-07	23	23	23	22	21	21	21	21	21	21	22	24	26	28	30	32	33	34	35	35	34	33	32	30	35.1
22-Apr-07	28	27	25	22	20	18	17	16	16	17	19	21	23	26	29	31	34	36	37	39	39	38	37	35	38.8
23-Apr-07	34	31	29	26	23	22	20	18	18	19	21	24	27	31	35	40	44	47	48	47	45	44	41	40	48.0
24-Apr-07	38	36	34	33	33	32	32	31	31	31	32	33	35	38	40	42	43	44	45	44	44	N	N	N	44.6
25-Apr-07	N	N	N	N	N	N	35	35	37	37	38	38	39	40	42	43	44	44	45	45	44	42	41	39	44.8
26-Apr-07	36	34	32	31	30	29	29	29	31	33	35	36	38	40	42	43	44	45	45	45	44	43	41	39	45.0
27-Apr-07	37	35	34	32	32	32	34	36	39	42	44	45	47	48	50	51	52	53	54	55	53	49	46	44	54.7
28-Apr-07	41	39	36	34	35	37	37	38	40	40	41	42	43	44	46	47	47	47	47	46	44	42	40	37	47.3
29-Apr-07	35	34	31	29	28	27	26	25	26	27	28	30	32	35	37	39	40	41	42	42	41	39	37	34	41.8
30-Apr-07	33	31	28	26	24	23	23	24	25	26	28	30	32	35	36	38	39	40	41	41	40	38	37	36	40.6

Hourly Max 47.1 47.2 46.7 46.8 45.8 44.4 43.2 43.0 42.8 42.8 43.7 44.6 46.7 48.3 49.9 51.1 52.3 53.4 54.5 54.7 53.7 53.6 51.3 48.8

PASZA - Portable-Falher - Total Reduced Sulphur Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

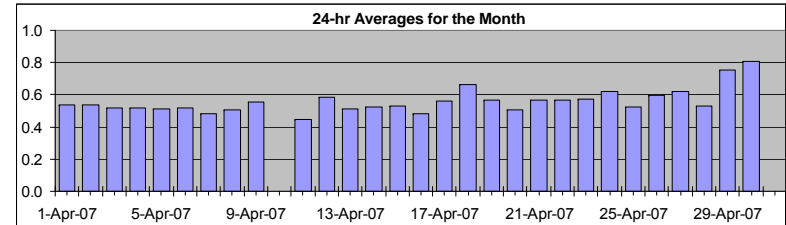
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
 Summary

Maximum 1-hr Average:	4.3	ppb	29-Apr	20:00 21:00
Maximum 24-hr Value:	0.8	ppb	30-Apr	

AIC Time:	35 hrs	Operational Time:	675 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.6 ppb	0.5 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum				
	Hour Start	Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00			22:00	23:00		
1-Apr-07	1:00	2:00	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	A	1	1	0.5	0.6			
2-Apr-07	1:00	2:00	0	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	A	1	0	1	0.5	0.8		
3-Apr-07	1:00	2:00	0	1	1	0	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0	A	1	1	1	0.5	0.7		
4-Apr-07	1:00	2:00	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	1	0	1	0	1	A	1	1	0	0	0.5	0.6	
5-Apr-07	0:00	1:00	0	0	0	1	0	1	1	1	0	1	1	1	1	0	1	0	1	1	1	A	1	1	0	1	0	0.5	0.6	
6-Apr-07	0:00	1:00	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	A	0	0	0	1	0	0	1	0.5	0.7	
7-Apr-07	1:00	2:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	A	0	0	0	1	1	1	0	0	0.5	0.5	
8-Apr-07	0:00	1:00	0	0	0	0	0	0	0	0	0	1	1	0	1	1	A	1	0	1	1	1	1	1	1	1	1	0.5	0.6	
9-Apr-07	1:00	2:00	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0	1	0.6	0.6	
10-Apr-07	1:00	2:00	1	1	P	P	P	P	P	1	1	1	1	0	1	1	1	A	A	1	1	1	1	0	0	0	0	N	0.6	
11-Apr-07	0:00	1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	1	0	0	1	0.4	0.5	
12-Apr-07	1:00	2:00	1	1	0	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	0	1	1	0.6	0.8	
13-Apr-07	1:00	2:00	1	1	0	A	0	1	0	1	0	0	1	1	0	0	0	0	1	1	1	1	0	0	0	0	1	0.5	0.6	
14-Apr-07	1:00	2:00	1	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0.5	0.6	
15-Apr-07	1:00	2:00	1	A	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0.5	0.6	
16-Apr-07	A	0	1	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0.5	0.6	
17-Apr-07	0:00	1:00	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.7
18-Apr-07	1:00	2:00	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.7	1.1
19-Apr-07	1:00	2:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	0	0	0	0	0.6	0.7	
20-Apr-07	0:00	1:00	0	0	0	A	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.6	
21-Apr-07	1:00	2:00	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0.6	0.6	
22-Apr-07	1:00	2:00	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.6	
23-Apr-07	A	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.6	0.8	
24-Apr-07	1:00	2:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	C	C	C	A	1	1	1	1	1	0.6	0.9	
25-Apr-07	0:00	1:00	0	0	0	A	1	0	0	0	1	1	1	0	1	1	0	1	1	1	1	1	0	1	1	1	1	0.5	0.6	
26-Apr-07	1:00	2:00	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9	
27-Apr-07	1:00	2:00	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.2	
28-Apr-07	1:00	2:00	1	1	A	0	1	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0.5	1.0	
29-Apr-07	0:00	1:00	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	0.8	4.3	
30-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	A	0.8	4.0		
Hourly Avg			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.8	0.6	0.6	0.6			
Hourly Max			0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.6	0.6	0.8	0.6	0.7	0.7	0.7	0.8	1.1	1.1	4.3	0.9	1.2	0.9			

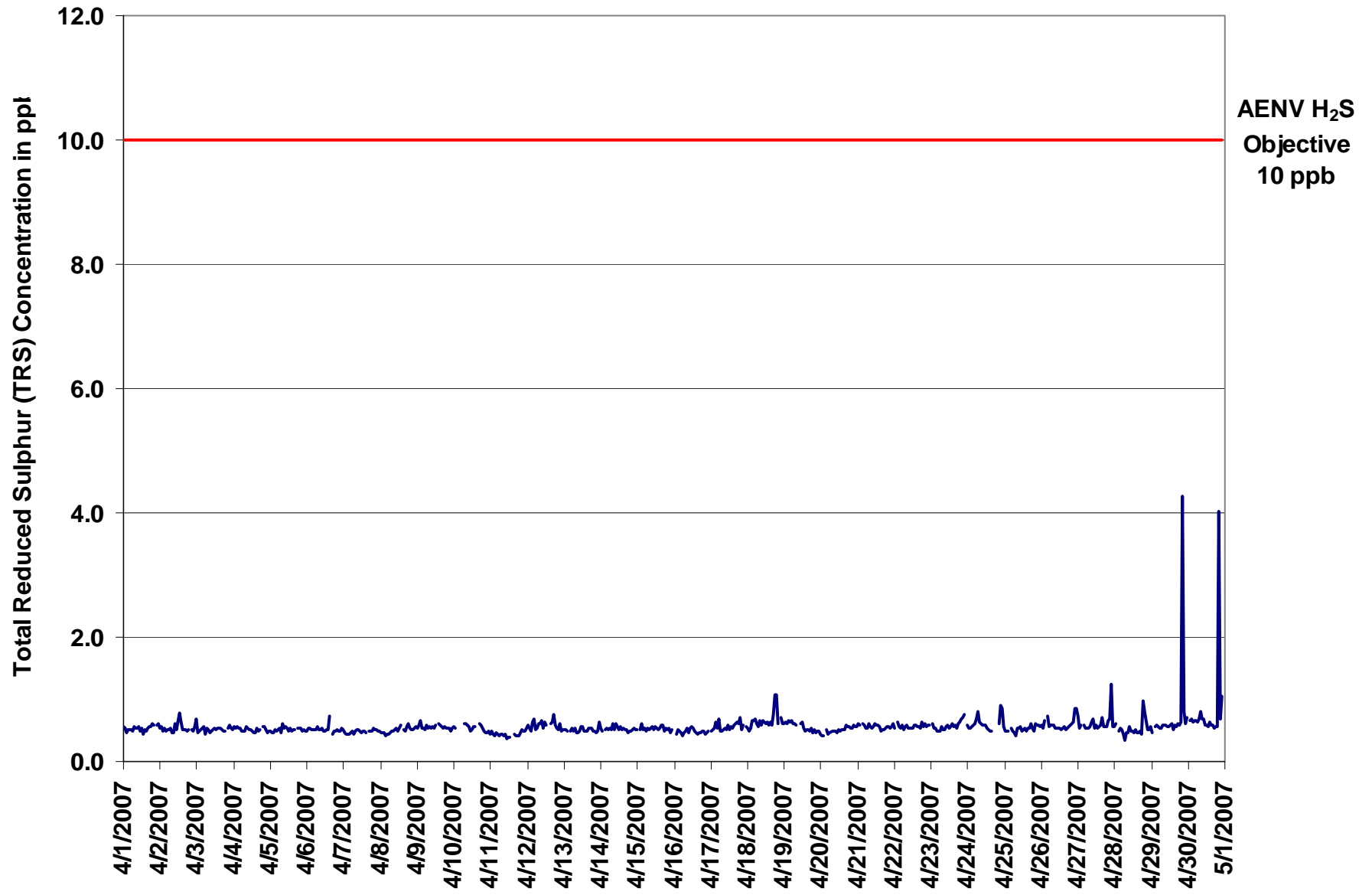


Figure 54. PASZA - Portable-Falher Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

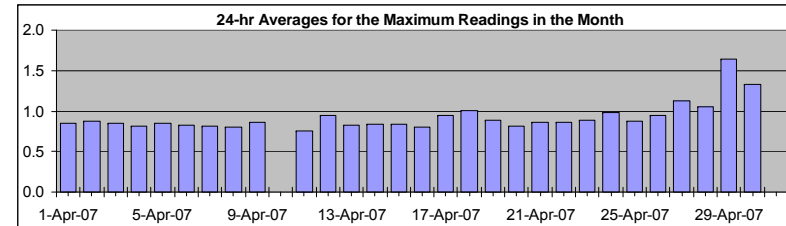
Total Reduced Sulphur (TRS)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	15.6	ppb	29-Apr	20:00 21:00
Maximum 24-hr Value:	1.6	ppb	29-Apr	

AIC Time:	35 hrs	Operational Time:	675 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.0	1.1	0.9	0.9	0.8	0.7	0.7	0.9 ppb	0.9 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
2-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.9	1.1
3-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.1
4-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.8	0.9
5-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.9	1.0
6-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.8	1.4
7-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.8	1.2
8-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.8	0.9
9-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0.9	1.1
10-Apr-07	1	1	P	P	P	P	P	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	N	1.2
11-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	0.8	0.9
12-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	A	1	1	1	1	1	1	1	1	1	0.9	1.3
13-Apr-07	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	1.2
14-Apr-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
15-Apr-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
16-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	0.9
17-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	A	1	0.9	2.1
18-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	A	1	1	1.0	1.6
19-Apr-07	1	1	1	1	1	1	1	1	1	M	M	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
20-Apr-07	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
21-Apr-07	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	1.0
22-Apr-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.0
23-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.9	1.1
24-Apr-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	A	1	2	2	1	1	1.0	1.7
25-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
26-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
27-Apr-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	3	1	2	1	1	1	3	1	1	1.1	2.9
28-Apr-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1.1	3.4
29-Apr-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	16	2	1	1	1	1.6	15.6
30-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	1	2	A	1	1.3	7.9
Hourly Avg	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	1.0	1.7	1.0	1.0	0.9		
Hourly Max	1.1	1.0	1.1	1.1	1.3	1.2	1.1	1.2	1.2	1.1	1.2	1.1	1.1	1.1	0.9	1.4	2.9	1.4	1.9	2.1	15.6	1.8	2.7	1.3		

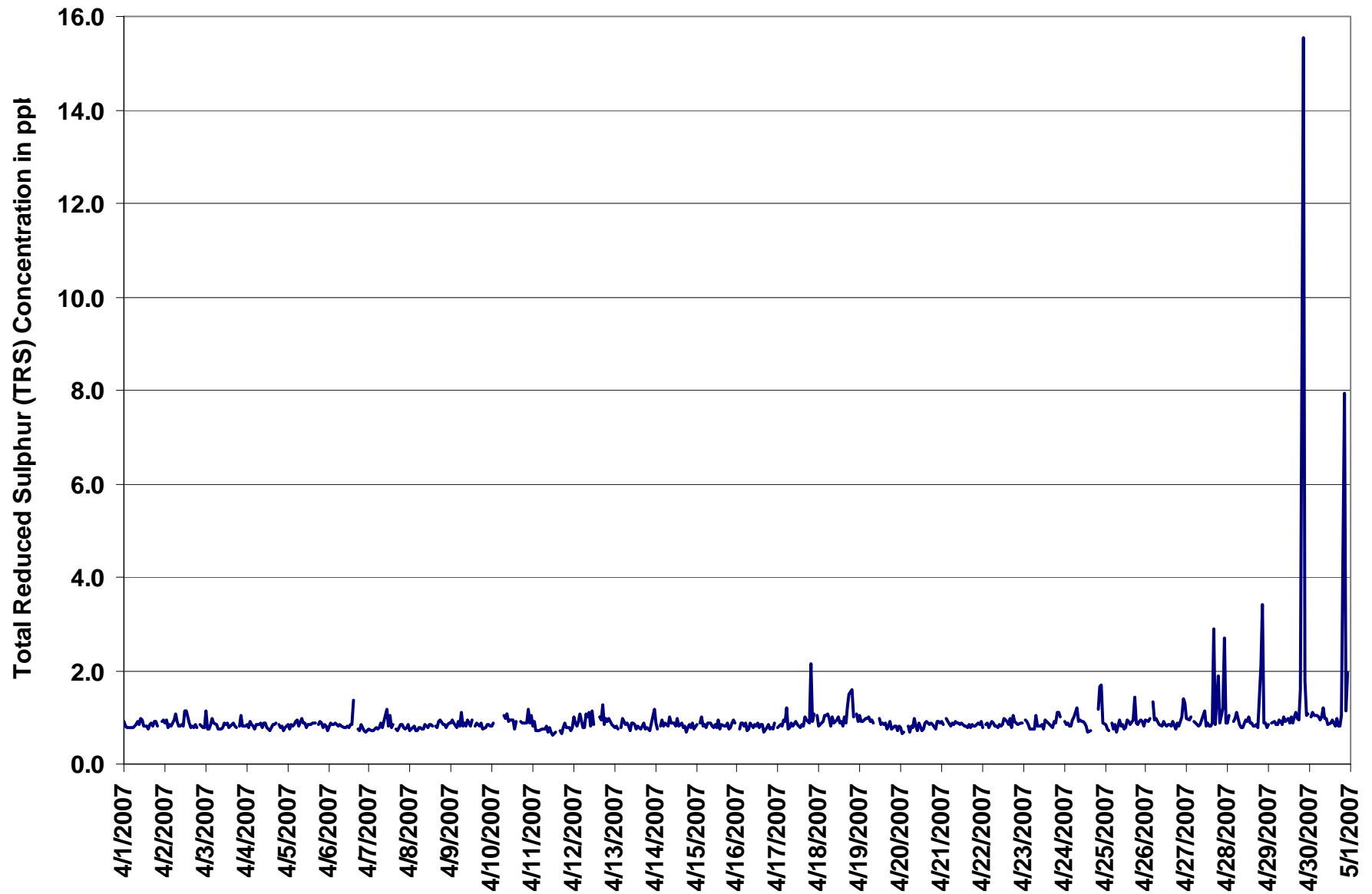
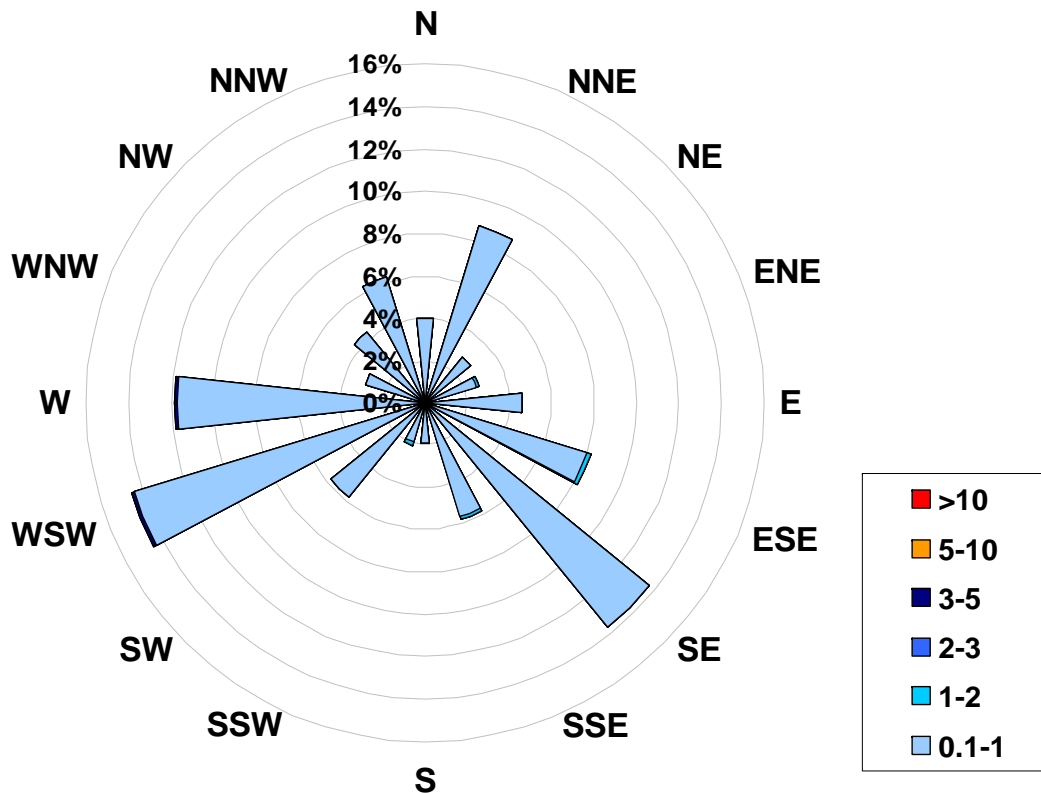


Figure 55. PASZA - Portable-Falher Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

**1-hr Average Concentration Rose for Total Reduced Sulphur (in ppb)
Located at the Portable-Falher Site for April 2007**



Calms: 0%

Frequency Distribution of TRS in ppb Range			Frequency (hrs)
0.1	<	1	669
1	to	2	4
2	to	3	0
3	to	5	2
5	to	10	0
	>	10	0
Total Non-Zero Values			675

PASZA - Portable-Falher - Relative Humidity Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

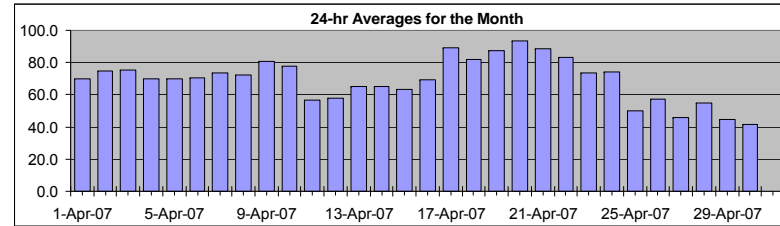
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	99.4 %	17-Apr	6:00 7:00
Maximum 24-hr Value:	93.5 %	20-Apr	



AIC Time:	0 hrs	Operational Time:	714 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.2%
Percentile 99	95	75	50
98.7	96.7	81.0	70.7
5	1	Average	Median
34.0	21.4	69.2 %	70.7 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	74	75	72	71	71	74	75	75	73	69	66	64	62	57	64	61	66	68	77	79	71	71	74	77		70.1	78.8
2-Apr-07	78	77	77	81	82	83	83	82	81	79	77	75	74	73	71	68	65	65	69	72	72	73	71	72		75.0	82.6
3-Apr-07	70	70	76	81	84	84	84	83	80	78	77	75	76	71	67	73	81	83	67	68	75	66	70	72		75.6	84.1
4-Apr-07	73	74	75	79	82	84	85	83	81	75	67	67	69	63	59	56	57	61	57	61	66	64	67	71		69.8	84.9
5-Apr-07	77	83	87	90	90	89	88	86	85	81	73	68	63	59	54	53	54	50	50	53	58	60	61	63		69.9	90.0
6-Apr-07	67	72	74	76	76	77	76	75	73	72	69	66	63	61	60	62	62	62	67	71	74	77	78	77		70.3	77.6
7-Apr-07	77	77	78	78	80	81	81	80	79	75	70	65	65	64	65	65	64	66	69	71	75	77	81	82		73.7	82.1
8-Apr-07	82	84	83	84	85	86	86	84	79	77	73	64	60	57	57	65	64	63	61	61	61	71	71	70		72.1	86.3
9-Apr-07	73	73	76	78	79	83	81	81	81	78	74	72	75	77	73	74	78	84	91	87	90	93	95	97		80.9	96.7
10-Apr-07	97	98	98	P	P	P	87	90	87	87	89	89	85	80	74	67	56	64	63	64	69	66	63	61		77.8	98.0
11-Apr-07	62	63	62	65	68	69	69	67	66	62	56	55	56	50	49	47	43	44	49	45	46	53	57	55		56.5	69.2
12-Apr-07	59	64	67	67	68	70	68	73	71	64	64	60	47	40	43	44	45	51	49	50	53	54	56	65		58.0	73.2
13-Apr-07	64	66	65	69	71	75	77	75	72	71	69	67	65	53	44	48	53	55	62	70	63	61	67	73		64.9	77.2
14-Apr-07	71	75	71	70	68	80	79	71	72	65	65	69	67	59	54	53	54	55	56	60	61	62	64	67		65.3	79.6
15-Apr-07	69	70	69	71	74	74	75	73	69	66	65	64	58	55	52	46	50	52	54	57	57	60	65	68		63.0	74.7
16-Apr-07	68	70	66	71	70	72	70	70	71	70	62	58	54	48	46	50	54	60	72	81	92	96	97	98		69.4	97.8
17-Apr-07	99	99	99	99	99	99	99	99	94	86	81	81	80	75	81	78	78	81	84	88	90	90	91	94		89.3	99.4
18-Apr-07	95	96	98	99	99	98	98	97	93	88	82	89	88	83	81	77	67	57	57	66	63	61	64	64		81.7	98.9
19-Apr-07	71	69	74	74	78	81	84	82	89	M	M	94	92	91	90	91	92	92	94	94	96	96	97	98		87.3	98.1
20-Apr-07	99	98	97	97	96	95	94	94	95	95	93	89	87	87	86	87	89	91	93	95	96	96	97	97		93.5	98.6
21-Apr-07	98	98	98	98	98	98	98	98	97	93	86	76	74	76	73	76	78	79	81	83	87	92	93	94		88.5	98.3
22-Apr-07	96	97	96	96	96	96	95	91	89	84	79	76	75	72	70	68	66	68	69	74	81	85	85	89		83.0	96.8
23-Apr-07	89	91	91	92	95	95	94	94	89	78	70	63	61	58	52	46	43	43	50	67	72	76	80	79		73.7	95.2
24-Apr-07	78	75	79	78	80	81	81	82	76	69	71	67	62	61	66	65	67	68	M	72	78	84	85	80		74.1	84.6
25-Apr-07	76	72	68	68	70	68	65	57	51	44	40	37	34	36	35	34	32	32	34	40	47	52	55	61		50.3	76.0
26-Apr-07	65	65	73	72	73	77	72	65	58	53	48	46	42	40	40	40	42	43	45	51	56	62	70	73		57.2	77.3
27-Apr-07	76	72	70	70	78	67	60	49	43	41	39	36	32	29	26	23	19	18	19	24	44	56	55	56		45.9	78.4
28-Apr-07	65	80	89	94	93	88	79	63	51	50	50	45	41	35	33	31	32	29	29	34	42	52	53	57		54.8	94.3
29-Apr-07	63	66	69	72	75	76	70	64	51	42	36	30	24	22	22	21	19	21	21	24	36	43	49	55		44.6	76.3
30-Apr-07	57	58	61	64	70	69	62	52	42	39	34	31	29	27	24	23	22	21	22	25	31	41	43	55		41.8	70.4
Hourly Avg	76.3	77.5	78.6	79.4	81.0	81.7	80.5	77.8	74.6	70.0	66.3	64.6	62.0	58.7	57.0	56.4	56.4	57.6	59.1	62.9	66.8	69.7	71.9	74.0			
Hourly Max	98.7	98.7	98.8	98.9	99.2	99.3	99.4	98.7	96.8	94.9	92.6	93.7	92.0	91.3	90.5	90.7	91.6	91.8	94.5	94.7	96.4	96.5	97.1	98.1			

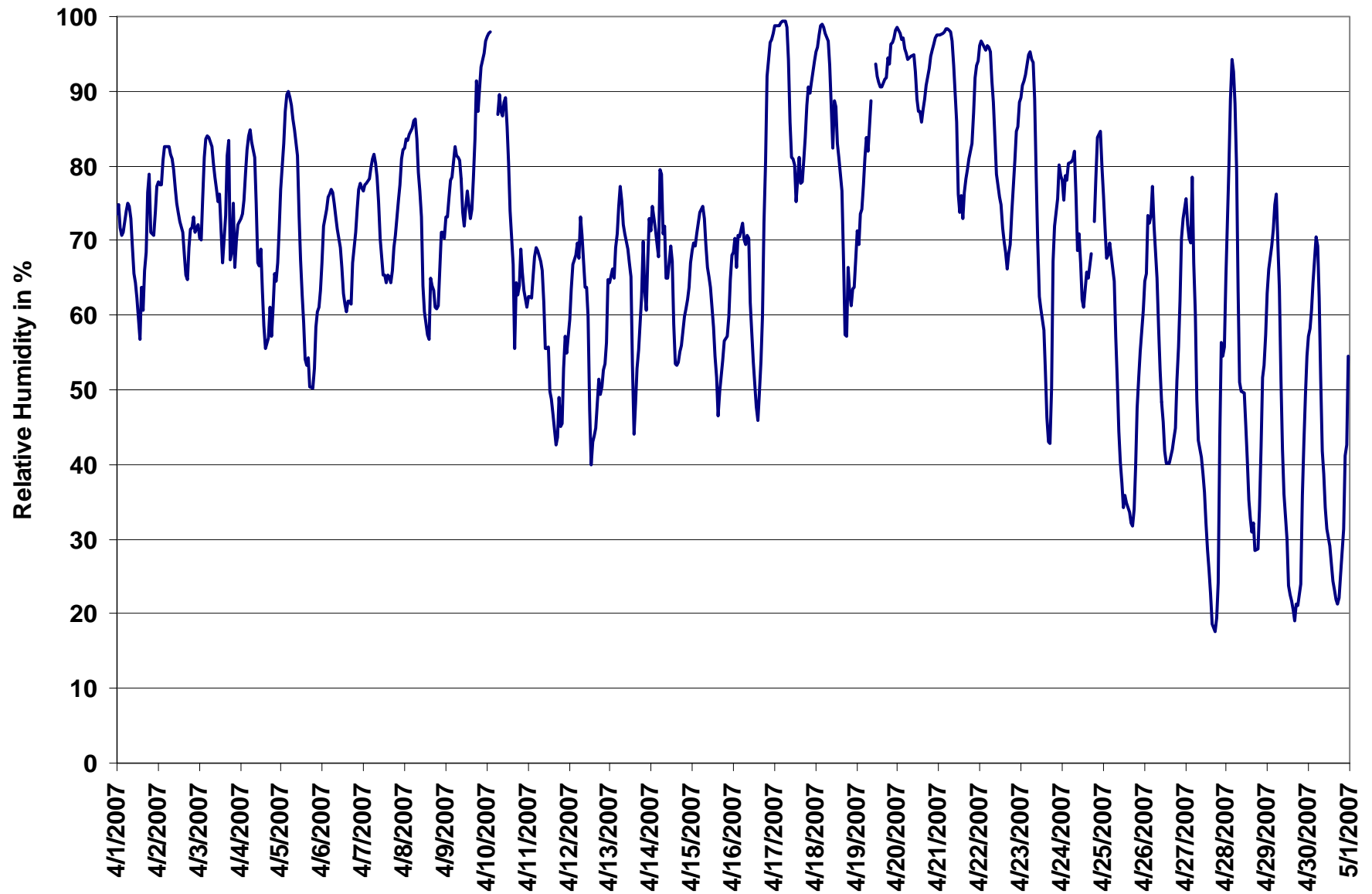


Figure 56. PASZA - Portable-Falher Relative Humidity 1-hr Average Monthly Trend

PASZA - Portable-Falher - Temperature Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

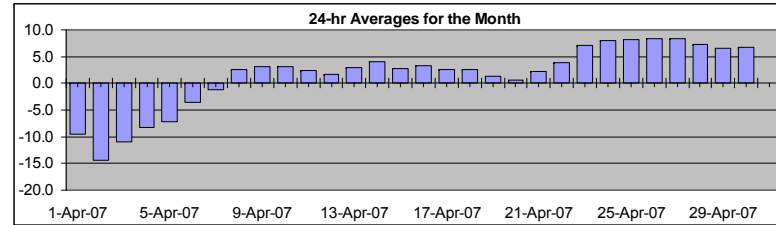
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	13.7 °C	23-Apr	16:00 17:00
Maximum 24-hr Value:	8.4 °C	26-Apr	



AIC Time:	0 hrs	Operational Time:	714 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	99.2%						
Percentile	99	95	75	50	25	5	1	Average	Median
	13.0	11.5	5.7	2.6	-0.8	-12.3	-16.2	1.5 °C	2.6 °C

Status Flag Characters

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

Day	Mountain Standard Time																							24-hour Average	Daily Maximum		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
1-Apr-07	-8	-8	-8	-8	-10	-11	-11	-11	-11	-10	-9	-9	-9	-8	-8	-7	-8	-7	-8	-10	-11	-12	-13	-14	-9.5	-7.4	
2-Apr-07	-15	-15	-16	-17	-18	-17	-17	-17	-17	-16	-15	-15	-14	-13	-12	-12	-11	-11	-12	-13	-13	-13	-14	-14	-14.5	-10.8	
3-Apr-07	-15	-16	-16	-16	-16	-16	-15	-14	-13	-13	-11	-10	-10	-8	-7	-7	-7	-6	-7	-7	-8	-8	-10	-10.9	-6.1		
4-Apr-07	-11	-11	-12	-12	-12	-12	-12	-12	-12	-10	-7	-6	-6	-5	-3	-3	-2	-3	-4	-5	-7	-8	-10	-11	-8.2	-2.2	
5-Apr-07	-10	-10	-12	-12	-12	-13	-14	-13	-12	-9	-6	-4	-3	-2	-2	-1	-1	-2	-2	-3	-5	-6	-7	-8	-7.1	-1.3	
6-Apr-07	-8	-8	-8	-8	-8	-8	-8	-7	-7	-5	-4	-2	0	1	2	2	2	2	1	-1	-2	-3	-4	-4	-3.5	2.5	
7-Apr-07	-5	-5	-5	-5	-6	-6	-6	-5	-4	-2	-1	1	1	2	3	3	3	3	2	2	1	0	0	-1	-1.3	3.2	
8-Apr-07	-1	-2	-2	-2	-2	-3	-3	-2	0	1	3	5	6	7	7	5	6	6	6	6	6	4	4	4	2.5	7.2	
9-Apr-07	4	4	3	3	3	2	3	3	3	3	4	4	4	4	4	4	4	4	3	3	2	2	2	2	3.2	4.4	
10-Apr-07	2	1	1	P	P	P	3	3	3	3	2	2	3	3	4	5	6	4	4	4	3	3	3	3	3.1	5.7	
11-Apr-07	3	2	1	1	0	-1	-1	0	1	3	4	4	4	5	5	6	6	6	5	4	2	1	-1	-1	2.5	5.9	
12-Apr-07	-1	-2	-3	-3	-4	-4	-4	-4	-2	1	3	3	5	6	7	6	6	6	6	5	4	3	2	1	1.6	6.6	
13-Apr-07	0	0	-1	-1	-1	-1	-1	0	1	2	3	3	4	5	6	8	7	7	6	5	4	5	4	3	2.9	7.9	
14-Apr-07	3	3	3	4	4	3	3	4	4	6	6	6	5	5	5	6	5	5	5	4	3	3	2	1	4.1	6.3	
15-Apr-07	0	0	0	-1	-1	-2	-2	0	2	3	4	4	5	6	7	8	7	6	6	6	4	3	2	1	1	2.7	7.5
16-Apr-07	1	1	2	2	1	0	1	2	2	2	4	5	6	7	8	7	6	5	4	3	3	2	2	2	3.3	7.6	
17-Apr-07	1	1	1	1	1	1	1	1	2	3	4	4	4	5	5	5	5	4	4	4	3	2	1	0	2.6	5.2	
18-Apr-07	0	0	-1	-1	-2	-2	-2	0	1	2	3	3	3	5	5	6	7	7	6	5	5	4	4	4	2.6	7.1	
19-Apr-07	3	3	2	2	2	1	1	1	1	M	M	1	2	2	2	2	2	2	1	1	1	1	0	0	1.4	2.7	
20-Apr-07	0	0	0	-1	-1	-1	-1	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	1	0.6	2.0	
21-Apr-07	1	1	1	1	1	1	1	1	1	2	2	3	4	4	4	4	3	3	3	3	3	3	2	2	2.1	3.7	
22-Apr-07	2	2	2	2	2	1	2	2	3	3	4	5	5	6	6	6	7	7	6	6	5	3	3	2	3.8	6.9	
23-Apr-07	2	1	2	1	1	2	2	2	4	6	8	11	11	12	13	13	14	13	13	11	9	7	6	6	7.1	13.7	
24-Apr-07	6	6	6	6	6	6	6	6	7	9	9	11	12	12	11	11	11	10	M	9	8	7	6	6	8.1	11.9	
25-Apr-07	5	5	4	4	3	3	4	6	7	8	9	10	10	11	12	13	13	13	13	11	9	8	7	6	8.2	13.4	
26-Apr-07	5	5	4	5	5	3	4	6	9	10	11	11	12	12	12	13	12	12	12	11	10	8	6	5	8.4	12.7	
27-Apr-07	4	6	6	5	4	5	5	6	7	8	9	10	10	11	12	13	13	13	13	12	9	6	6	7	8.4	13.2	
28-Apr-07	6	6	5	4	3	3	4	5	6	7	7	9	10	11	11	12	11	11	11	11	10	8	7	6	5	7.4	11.7
29-Apr-07	4	3	2	2	1	1	3	4	6	7	9	10	11	11	12	12	12	12	11	10	7	4	3	2	6.6	12.3	
30-Apr-07	2	2	1	0	0	0	2	4	7	8	9	10	11	11	12	12	12	13	12	11	9	6	6	3	6.8	12.5	
Hourly Avg	-0.6	-0.8	-1.2	-1.6	-2.0	-2.2	-1.8	-1.1	0.0	1.1	2.2	3.0	3.7	4.4	4.9	5.0	5.1	4.9	4.2	3.5	2.4	1.4	0.7	0.2			
Hourly Max	6.5	6.4	6.1	6.4	6.0	6.0	5.8	6.3	8.7	10.0	10.6	11.4	12.0	12.3	13.0	13.4	13.7	13.5	13.2	11.7	9.6	7.8	6.5	6.7			

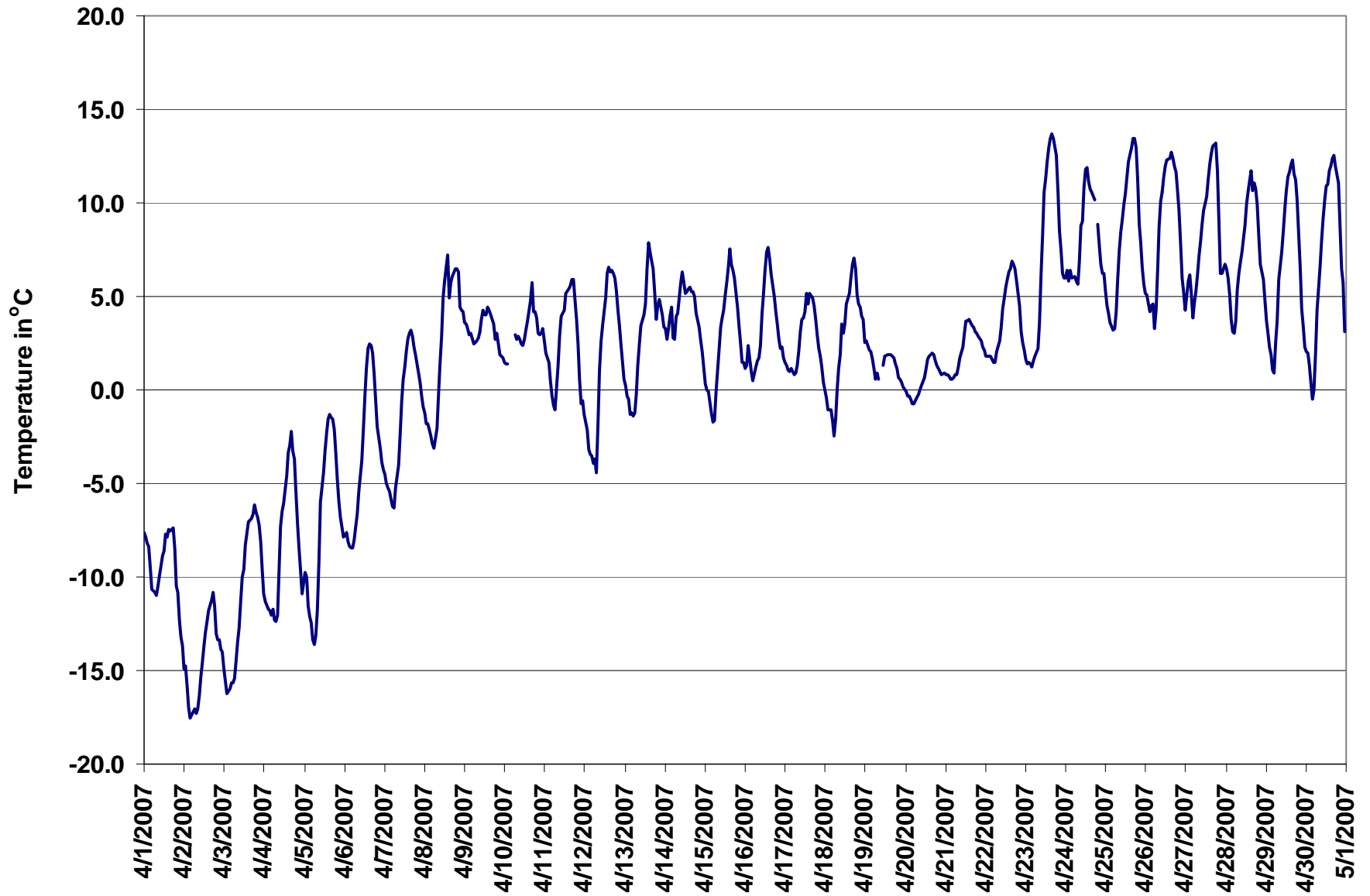


Figure 57. PASZA - Portable-Falher Temperature 1-hr Average Monthly Trend

PASZA - Portable-Falher - Scalar Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

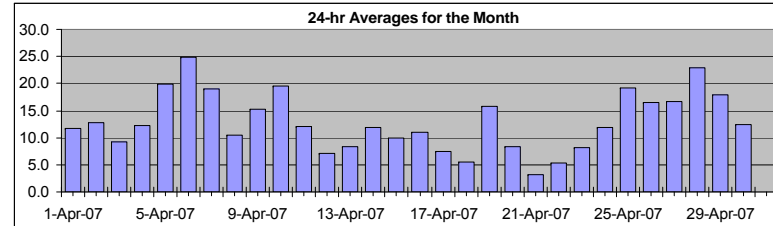
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	36.2	km/hr	28-Apr	9:00 10:00
Maximum 24-hr Value:	24.9	km/hr	6-Apr	

Calm Time:	0 hrs	0% calms	Operational Time:	714 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.2%				
Percentile	99	95	75	50	25	5	1	AverageS
	31.3	26.3	17.5	11.4	7.3	3.5	1.9	12.9 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																								24-hr Scalar Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	15	18	17	16	20	18	18	13	14	13	15	13	11	11	10	8	7	6	6	4	6	8	11	11	12	11.8	19.6
2-Apr-07	11	12	15	14	15	18	18	18	17	15	15	17	17	15	14	14	12	9	8	6	6	5	5	6	6	12.7	18.3
3-Apr-07	7	5	5	6	5	6	6	5	9	6	5	6	9	7	7	11	12	10	8	14	17	16	18	21	9.2	21.2	
4-Apr-07	19	19	19	19	21	21	18	18	16	8	3	4	6	6	8	7	4	5	2	7	13	15	16	17	12.2	20.9	
5-Apr-07	18	16	14	15	13	13	14	10	10	13	24	27	24	24	24	25	26	25	26	26	26	23	23	21	19.9	26.8	
6-Apr-07	27	30	27	24	25	28	31	30	33	33	31	31	29	27	22	17	19	22	18	19	19	16	18	19	24.9	33.2	
7-Apr-07	22	20	21	21	19	18	17	20	21	21	22	21	20	17	14	16	20	24	23	16	13	15	17	17	18.9	23.8	
8-Apr-07	17	18	17	16	17	17	13	16	15	13	7	4	2	4	3	8	6	4	8	4	3	4	13	26	10.5	25.8	
9-Apr-07	23	25	22	20	17	12	14	11	9	12	17	9	11	16	10	10	14	10	7	17	20	23	19	19	15.2	24.9	
10-Apr-07	14	11	11	P	P	P	22	21	23	27	29	27	30	30	22	26	21	13	9	9	8	15	18	22	19.5	30.2	
11-Apr-07	21	19	16	14	16	16	14	21	18	15	14	14	13	9	8	7	8	4	4	6	8	6	8	9	12.0	21.1	
12-Apr-07	10	11	9	9	7	9	8	8	5	6	5	8	7	4	3	5	7	7	5	7	4	5	10	11	7.1	11.3	
13-Apr-07	9	9	7	8	6	10	9	8	12	9	8	8	9	7	7	9	8	9	8	9	10	8	8	6	8.4	12.5	
14-Apr-07	7	9	12	15	11	8	9	6	4	7	8	11	20	16	19	17	18	16	14	11	12	11	13	10	11.9	19.9	
15-Apr-07	9	6	6	13	11	9	8	9	15	16	14	15	12	9	6	4	9	8	7	9	9	12	12	12	9.9	15.7	
16-Apr-07	14	16	18	14	17	14	17	15	9	9	10	9	8	9	8	8	8	9	7	13	11	10	6	8	11.1	18.1	
17-Apr-07	8	5	6	6	9	8	10	8	7	10	12	11	9	8	4	3	8	9	8	6	6	8	4	6	7.5	11.6	
18-Apr-07	6	5	4	6	6	2	3	2	3	4	3	8	8	7	7	6	4	4	5	6	10	9	8	6	5.6	10.4	
19-Apr-07	10	19	17	17	14	12	12	16	13	M	M	21	21	22	21	20	17	17	15	14	12	12	10	15	15.8	22.1	
20-Apr-07	12	13	11	11	10	11	17	11	11	8	8	7	6	7	8	11	9	6	5	5	3	4	3	2	8.3	17.3	
21-Apr-07	3	2	2	3	3	2	1	2	2	2	4	3	4	5	4	6	6	5	4	2	2	3	4	4	3.3	6.2	
22-Apr-07	4	3	4	2	4	6	6	5	4	3	1	2	3	4	5	7	4	7	9	10	9	9	11	8	5.4	11.0	
23-Apr-07	7	6	2	5	6	11	9	4	8	8	7	5	8	10	10	13	13	7	6	9	11	10	10	13	8.1	13.4	
24-Apr-07	12	14	12	7	8	6	7	6	7	6	5	12	15	17	20	18	15	19	M	12	13	15	13	14	11.9	20.1	
25-Apr-07	14	22	22	19	19	19	19	24	26	27	28	27	27	20	20	22	22	20	17	12	10	9	8	8	19.1	27.9	
26-Apr-07	8	8	6	13	11	9	10	13	17	25	25	25	26	20	23	23	24	24	21	20	17	11	8	9	16.5	26.2	
27-Apr-07	8	16	14	14	15	21	22	31	31	30	28	25	24	20	19	16	9	4	5	7	8	12	7	16.7	31.3		
28-Apr-07	10	14	16	15	16	17	22	27	34	36	34	32	29	29	28	25	23	21	23	20	19	20	21	18	22.9	36.2	
29-Apr-07	17	17	13	15	12	13	15	16	18	25	25	25	27	24	24	26	24	19	18	16	10	9	9	10	17.9	27.4	
30-Apr-07	12	11	9	8	9	10	14	17	17	16	16	16	13	13	14	20	17	16	12	10	7	7	7	5	12.4	20.5	
1-hr Average	12.4	13.3	12.5	12.5	12.4	12.5	13.3	13.8	14.2	14.6	14.5	14.8	15.0	13.9	13.1	13.6	13.3	12.0	10.6	10.8	10.8	11.0	11.5	12.1			
Hourly Max	27.0	30.0	27.3	24.5	24.8	28.0	30.9	30.7	33.8	36.2	34.2	32.5	30.1	30.2	28.1	26.2	25.6	24.8	25.8	25.6	26.4	23.2	23.0	25.8			

PASZA - Portable-Falher - Vector Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

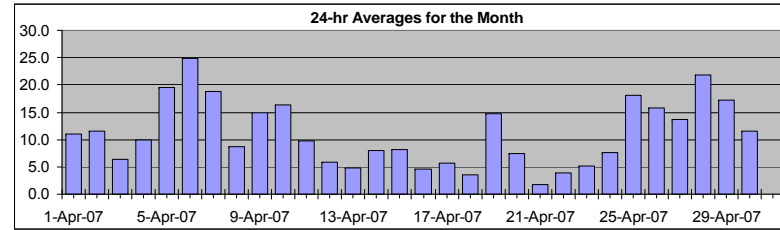
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	35.9	km/hr	28-Apr	9:00 10:00
Maximum 24-hr Value:	24.8	km/hr	6-Apr	



Calm Time:	0 hrs	0% calms	Operational Time:	714 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.2%				
Percentile	99	95	75	50	25	5	1	AverageV
	31.3	26.2	17.4	11.2	7.1	3.0	1.4	3.4 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07	15	18	17	15	20	18	13	14	13	15	13	11	11	10	7	7	6	5	4	6	8	11	11	12		11.0	19.6	
2-Apr-07	11	12	15	14	15	18	18	18	17	15	14	17	17	15	14	14	12	9	8	6	6	5	5	6		11.5	18.3	
3-Apr-07	7	5	5	6	5	6	6	5	8	5	5	6	9	7	7	11	12	9	8	14	17	16	18	21		6.4	21.2	
4-Apr-07	19	19	19	19	21	21	18	18	16	8	2	4	6	6	8	7	3	5	2	7	13	15	16	17		9.9	20.9	
5-Apr-07	18	16	14	15	13	13	14	10	9	13	24	27	24	24	24	25	26	25	26	26	26	23	23	21		19.6	26.8	
6-Apr-07	27	30	27	24	25	28	31	30	33	33	31	31	29	27	22	17	19	22	18	19	19	16	18	19		24.8	33.1	
7-Apr-07	22	20	21	21	19	18	17	20	21	21	22	21	20	17	14	16	20	24	23	16	12	15	17	17		18.9	23.8	
8-Apr-07	17	17	17	16	17	17	13	16	15	13	7	4	2	3	3	7	5	3	8	3	2	1	12	26		8.7	25.8	
9-Apr-07	23	25	22	20	16	11	14	11	9	12	17	9	10	16	10	9	14	8	7	17	20	23	19	18		14.8	24.9	
10-Apr-07	14	11	11	P	P	P	22	21	22	27	29	27	30	30	22	26	21	12	9	8	8	15	18	22		16.3	30.2	
11-Apr-07	21	19	16	14	16	16	14	21	18	15	14	14	13	9	7	7	7	4	4	6	8	5	7	9		9.8	21.1	
12-Apr-07	10	11	9	9	7	9	8	8	5	6	5	8	7	4	3	4	6	7	5	6	4	5	10	11		5.9	11.2	
13-Apr-07	9	9	7	8	6	10	9	8	12	9	8	8	9	7	7	9	8	9	8	9	9	8	8	6		4.9	12.5	
14-Apr-07	7	9	12	15	11	8	9	6	3	6	8	11	20	16	19	17	18	16	14	11	12	11	13	10		8.0	19.8	
15-Apr-07	8	5	5	13	11	8	8	9	14	16	14	15	12	9	6	3	8	7	6	9	8	12	12	12		8.2	15.7	
16-Apr-07	14	16	18	14	17	14	17	15	8	9	9	9	8	9	8	8	8	8	7	13	11	8	5	8		4.6	17.6	
17-Apr-07	8	5	6	6	9	8	10	8	7	9	12	11	9	7	4	2	8	9	8	6	6	8	4	6		5.7	11.5	
18-Apr-07	6	5	4	6	6	1	3	1	2	4	3	8	8	7	7	6	3	3	5	6	10	9	8	6		3.5	10.4	
19-Apr-07	10	19	17	17	13	12	12	16	13	M	M	21	21	22	21	20	17	17	15	14	12	12	10	14		14.7	22.1	
20-Apr-07	12	13	11	11	10	10	17	11	11	8	8	7	6	7	8	11	9	6	5	5	3	4	3	2		7.4	17.2	
21-Apr-07	2	1	1	3	3	2	1	2	2	2	4	2	4	4	4	5	6	4	4	2	2	3	4	4		1.8	6.2	
22-Apr-07	3	3	4	1	3	6	6	5	4	2	1	2	3	4	5	6	4	7	9	10	9	9	11	7		3.9	10.6	
23-Apr-07	6	4	1	4	6	11	9	4	7	7	7	4	7	9	8	13	12	7	4	9	11	10	10	13		5.2	13.0	
24-Apr-07	12	14	11	7	8	6	7	6	7	5	5	12	15	17	20	18	15	18	M	12	13	15	13	14		7.7	20.0	
25-Apr-07	14	22	22	19	19	19	19	23	25	27	28	27	27	19	19	22	22	20	17	11	9	9	8	8		18.2	27.7	
26-Apr-07	8	8	6	13	11	9	10	13	16	25	25	24	26	20	23	23	24	23	20	19	16	11	8	8		15.8	25.7	
27-Apr-07	8	16	14	14	14	21	22	31	31	29	28	25	24	20	18	15	15	8	1	5	7	8	11	6		13.7	31.1	
28-Apr-07	9	13	15	15	16	17	22	27	34	36	34	32	29	29	28	25	22	21	22	19	18	20	21	18		21.7	35.9	
29-Apr-07	17	17	13	15	12	13	15	16	18	25	25	24	27	23	24	25	24	18	18	16	10	8	9	10		17.1	26.9	
30-Apr-07	12	11	9	8	9	10	14	17	17	16	15	15	11	11	12	20	16	15	11	10	6	7	7	4		11.5	19.9	
1-hr Vector	3.7	4.4	4.6	3.9	3.9	3.7	3.5	3.9	4.1	5.3	5.3	5.3	5.7	4.7	4.4	4.9	4.4	2.9	1.2	0.7	1.6	2.6	4.4	4.6				
Hourly Max	27.0	30.0	27.3	24.4	24.8	28.0	30.8	30.6	33.7	35.9	33.9	32.2	30.0	30.2	27.7	26.1	25.5	24.8	25.8	25.6	26.4	23.2	23.0	25.8				

PASZA - Portable-Falher - Wind Direction Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time: 0 hrs	0% calms	Operational Time: 714 hrs						
Calibration Time: 0 hrs		AMD Operational Uptime: 99.2%						
Percentile	99	95	75	50	25	5	1	Average
	354.4	337.2	264.7	185.9	116.7	17.3	7.6	215 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																								24-hour Average	WD Sector
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	330	337	339	333	356	342	319	321	334	336	339	318	326	317	338	324	319	16	20	20	11	27	17	16	342	NNW
2-Apr-07	23	22	25	24	24	23	22	24	13	9	354	339	338	340	339	340	337	320	308	312	313	314	325	336	358	N
3-Apr-07	342	2	9	17	4	10	17	42	56	15	354	341	340	360	9	17	24	30	120	103	101	84	99	103	50	NE
4-Apr-07	100	96	103	95	97	104	105	106	111	119	24	8	341	359	16	9	310	320	328	72	79	82	86	89	87	E
5-Apr-07	95	100	90	95	100	112	117	140	135	111	122	125	123	111	113	115	114	121	120	122	126	128	129	127	117	ESE
6-Apr-07	125	122	124	126	126	126	124	124	125	126	125	125	123	123	132	152	145	131	131	128	129	127	122	125	127	SE
7-Apr-07	127	126	125	124	120	123	118	124	125	128	128	136	125	125	127	127	130	126	123	121	122	124	127	127	126	SE
8-Apr-07	127	127	127	125	127	127	125	126	139	135	135	142	165	258	37	53	29	22	83	66	334	319	121	126	121	ESE
9-Apr-07	128	125	126	130	143	157	139	140	129	125	132	145	155	113	137	127	126	186	157	139	136	136	134	139	135	SE
10-Apr-07	135	139	143	P	P	P	259	259	264	269	273	275	277	280	278	282	291	283	270	256	255	239	245	252	265	W
11-Apr-07	251	251	255	249	244	240	232	242	250	264	273	266	267	271	276	274	247	186	163	172	177	126	121	157	243	WSW
12-Apr-07	156	147	144	143	150	142	130	117	123	155	154	151	146	79	68	70	116	132	86	205	239	162	197	195	147	SSE
13-Apr-07	193	190	198	166	147	134	141	148	169	161	148	117	84	59	50	51	53	46	30	25	41	81	83	128	112	ESE
14-Apr-07	110	115	144	166	150	110	129	165	133	217	279	248	239	241	242	243	239	236	251	266	252	250	248	248	223	SW
15-Apr-07	250	234	221	248	243	250	245	248	252	269	271	269	275	274	285	240	163	155	231	255	226	194	185	181	240	WSW
16-Apr-07	173	171	172	161	168	167	161	164	156	146	157	150	132	94	67	29	21	11	330	304	305	13	31	265	153	SSE
17-Apr-07	269	282	218	203	217	224	232	245	232	261	278	275	274	294	12	58	287	279	280	284	309	332	312	356	270	W
18-Apr-07	349	322	338	327	338	236	33	351	234	334	333	341	342	340	341	334	1	85	107	67	57	58	110	55	10	N
19-Apr-07	47	69	57	65	69	42	37	41	17	M	M	4	5	7	8	12	17	16	30	36	29	26	21	27	29	NNE
20-Apr-07	28	24	27	17	16	16	32	23	32	20	17	14	356	340	338	340	326	312	304	317	311	337	328	312	5	N
21-Apr-07	306	347	279	273	275	281	270	270	303	282	238	281	241	243	354	328	336	336	359	28	53	32	60	83	315	NW
22-Apr-07	92	129	121	97	64	63	88	89	159	176	83	24	39	12	25	359	2	15	34	36	49	57	115	118	63	ENE
23-Apr-07	118	133	191	95	91	118	135	118	137	162	161	165	167	167	190	218	246	300	59	86	108	108	107	104	139	SE
24-Apr-07	106	126	133	171	199	219	230	223	208	255	318	305	290	285	265	280	284	241	M	257	253	230	219	238	246	WSW
25-Apr-07	241	242	240	245	236	242	245	251	270	280	285	287	288	276	271	265	273	276	276	267	244	234	243	237	263	W
26-Apr-07	260	254	203	218	225	195	209	220	226	244	250	239	248	270	255	249	264	265	259	245	247	251	244	234	245	WSW
27-Apr-07	255	236	233	249	234	250	259	264	268	278	281	276	273	275	273	277	271	278	323	61	101	103	166	185	262	W
28-Apr-07	235	229	211	221	230	236	251	256	264	269	264	269	280	276	272	273	275	285	282	267	250	242	245	250	260	W
29-Apr-07	241	239	244	237	232	229	235	233	243	240	241	245	252	267	264	256	265	290	283	281	262	258	251	229	252	WSW
30-Apr-07	228	238	249	248	228	229	236	247	270	270	257	239	253	262	245	256	267	274	284	276	250	223	212	113	252	WSW
Hourly Avg	149	150	151	159	161	161	179	205	224	244	250	260	270	284	281	283	279	279	282	226	160	136	149	149		N

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

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

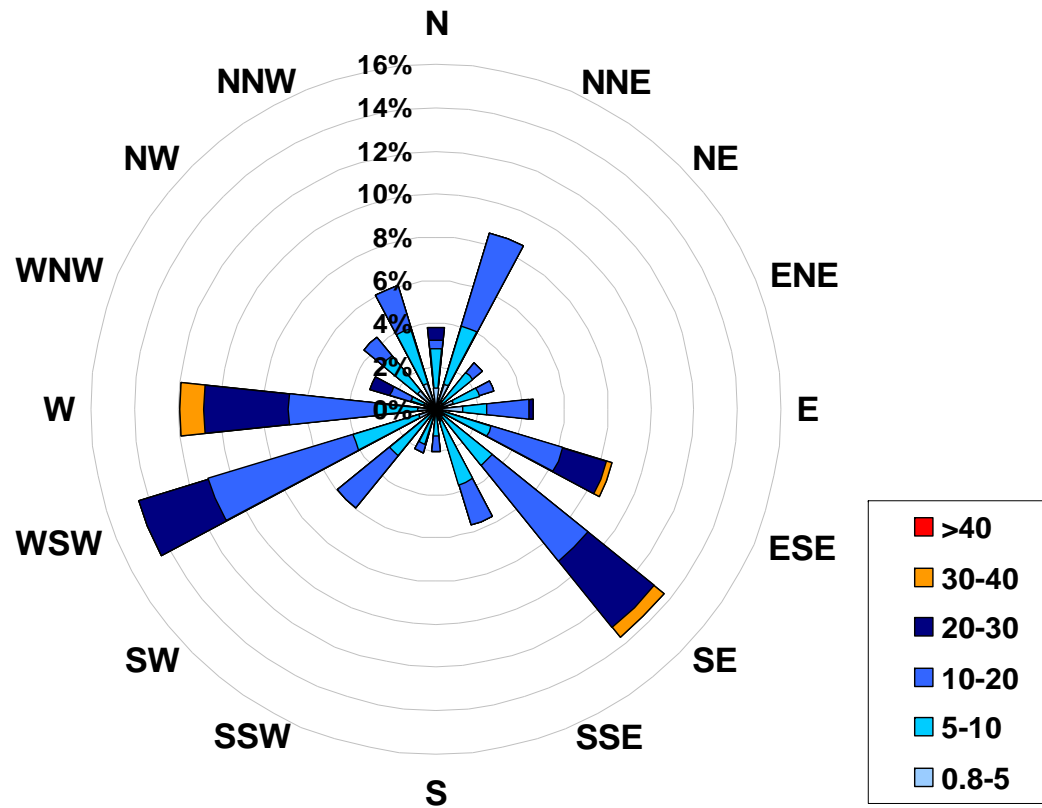
Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	714 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	99.2%			
Percentile	99	95	75	50	25	5	1
	38.0	21.8	8.5	4.5	2.7	1.3	0.9

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																								Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	
1-Apr-07	5	3	3	8	3	2	3	2	4	4	3	10	10	12	16	9	8	17	8	3	4	7	3	2	17.4
2-Apr-07	3	3	3	2	3	2	2	3	4	3	5	3	3	4	4	3	3	4	3	3	2	3	4	2	4.9
3-Apr-07	4	6	3	4	3	3	2	6	6	5	6	5	4	9	4	3	4	14	14	6	7	3	3	1	14.3
4-Apr-07	2	2	2	1	1	1	3	1	2	14	29	8	5	6	4	4	9	4	16	4	4	3	2	1	29.3
5-Apr-07	2	1	2	2	3	3	3	5	9	3	2	2	2	2	2	2	1	2	1	1	1	1	1	1	8.8
6-Apr-07	1	1	1	1	1	1	1	2	1	2	1	2	3	2	4	4	5	3	2	2	2	2	1	1	5.3
7-Apr-07	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	2	2	1	2	2	2	2	1	3.2
8-Apr-07	1	2	1	1	1	2	4	3	3	7	18	33	22	35	27	4	7	14	11	19	21	29	9	1	34.5
9-Apr-07	2	2	1	2	6	7	4	4	4	4	4	5	4	9	6	6	2	19	7	4	3	2	4	3	19.2
10-Apr-07	3	4	38	P	P	P	27	4	4	3	3	2	2	2	2	3	6	8	4	8	7	1	1	1	38.3
11-Apr-07	1	2	3	4	2	1	2	1	2	2	3	3	3	3	5	9	11	12	8	5	2	15	7	4	14.8
12-Apr-07	3	3	1	3	4	6	4	3	9	5	10	3	15	13	9	14	10	6	8	11	23	8	4	4	23.1
13-Apr-07	4	7	9	4	3	3	3	5	3	3	7	8	5	4	6	2	5	3	5	3	4	9	4	8	9.5
14-Apr-07	8	4	3	3	4	8	7	29	35	12	8	20	4	4	3	5	3	2	5	8	5	6	9	13	34.9
15-Apr-07	9	14	22	2	3	16	13	4	3	2	3	2	2	3	7	15	5	4	15	5	6	3	4	4	22.4
16-Apr-07	2	2	10	2	11	2	15	2	4	4	5	5	7	4	7	6	4	6	9	4	3	10	39	4	39.2
17-Apr-07	4	12	8	8	4	3	3	7	6	6	3	2	2	13	14	27	6	4	3	6	5	6	8	9	26.6
18-Apr-07	14	7	42	7	5	38	15	35	15	14	25	3	4	5	3	5	9	13	6	8	2	4	13	7	42.2
19-Apr-07	3	2	1	2	5	3	2	2	5	M	M	3	2	2	4	3	3	3	3	3	3	3	5	6	6.2
20-Apr-07	5	5	17	15	9	5	2	5	3	6	6	8	10	7	6	4	6	4	3	4	7	7	9	18	17.7
21-Apr-07	26	17	13	9	6	11	12	10	14	14	10	29	33	40	13	8	4	7	6	12	11	4	4	9	39.5
22-Apr-07	12	8	6	43	37	7	4	5	10	18	15	14	10	11	12	12	15	7	4	1	2	7	7	7	42.9
23-Apr-07	5	12	45	10	6	8	25	24	6	8	13	23	22	19	18	15	13	11	14	5	3	4	3	2	44.9
24-Apr-07	4	2	3	5	4	9	8	6	4	29	17	9	7	7	9	23	8	6	M	21	7	2	3	3	29.5
25-Apr-07	3	2	1	2	2	2	2	4	5	5	6	8	6	12	14	12	8	7	5	3	2	1	4	7	14.5
26-Apr-07	10	11	11	2	5	5	3	5	8	5	7	8	9	11	7	8	7	4	5	4	4	5	4	6	11.3
27-Apr-07	5	3	3	6	3	4	4	4	5	6	6	9	10	13	16	18	17	26	45	5	7	3	13	11	45.4
28-Apr-07	13	6	13	7	3	2	4	4	5	6	7	7	8	9	8	7	12	8	6	5	5	2	2	2	12.7
29-Apr-07	2	2	2	2	3	1	2	4	6	7	8	11	10	12	14	11	10	10	14	6	4	4	3	3	14.3
30-Apr-07	2	2	3	4	2	6	2	5	8	11	16	19	23	26	27	12	20	16	12	9	13	7	13	33	32.5
Hourly Max	26	17	45	43	37	38	27	35	35	29	29	33	33	40	27	27	20	26	45	21	23	29	39	33	

1-hr Average Wind Rose (in km/hr) Located at the Portable-Falher Site for April 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	80
5	to	10	236
10	to	20	277
20	to	30	107
30	to	40	14
	>	40	0
Total Non-Zero Values			714

PASZA – Valleyview Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Valleyview - Sulphur Dioxide Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

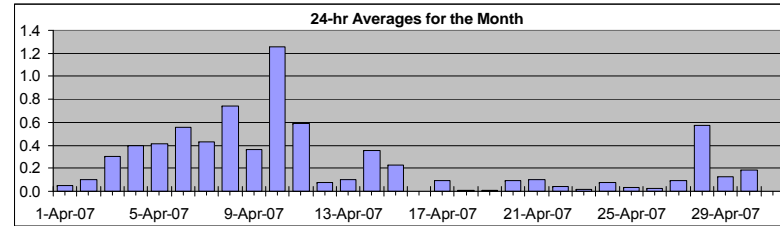
Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

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

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	8.0 ppb	11-Apr	9:00	10:00
Maximum 24-hr Average:	1.3 ppb	10-Apr		

AIC Time:	30 hrs	Operational Time:	686 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.8	0.9	0.2	0.1	0.0	0.0	0.0	0.2 ppb	0.1 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
1-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
2-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
3-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	0	0.3	0.7	
4-Apr-07	A	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.4	0.8	
5-Apr-07	A	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	1	1	0.4	1.0	
6-Apr-07	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.6	0.9	
7-Apr-07	A	0	0	0	0	0	1	1	0	0	1	1	1	1	0	1	1	1	0	1	1	0	0	0	0.4	0.8	
8-Apr-07	A	0	0	0	0	0	1	1	1	1	1	1	4	3	0	0	0	0	0	0	0	0	1	2	0.7	4.4	
9-Apr-07	A	1	0	0	0	0	0	0	0	0	0	0	C	C	C	2	1	1	1	0	0	0	0	0	0.4	1.8	
10-Apr-07	A	0	0	0	0	0	0	0	1	5	3	6	1	0	0	0	1	2	7	1	0	0	1	0	1.3	7.3	
11-Apr-07	A	0	0	0	0	0	0	0	1	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	8.0	
12-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
13-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
14-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0.4	2.8	
15-Apr-07	A	0	0	0	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.1	
16-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
17-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.4	
18-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
19-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
20-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
21-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
22-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	
23-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
24-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
25-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5	
26-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.0	0.6	
27-Apr-07	A	0	0	0	0	0	0	0	1	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6	
28-Apr-07	A	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	1	1	1	2	3	1	0	0	0.6	2.7	
29-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5	
30-Apr-07	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0.2	0.9	
Hourly Avg	N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.8	0.4	0.4	0.5	0.4	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.1	0.2	0.2			
Hourly Max	0.0	0.9	0.7	0.7	0.7	0.7	0.7	1.0	1.7	8.0	3.4	5.7	4.4	2.8	1.8	1.2	1.1	2.1	7.3	2.0	2.7	0.9	1.3	2.0			

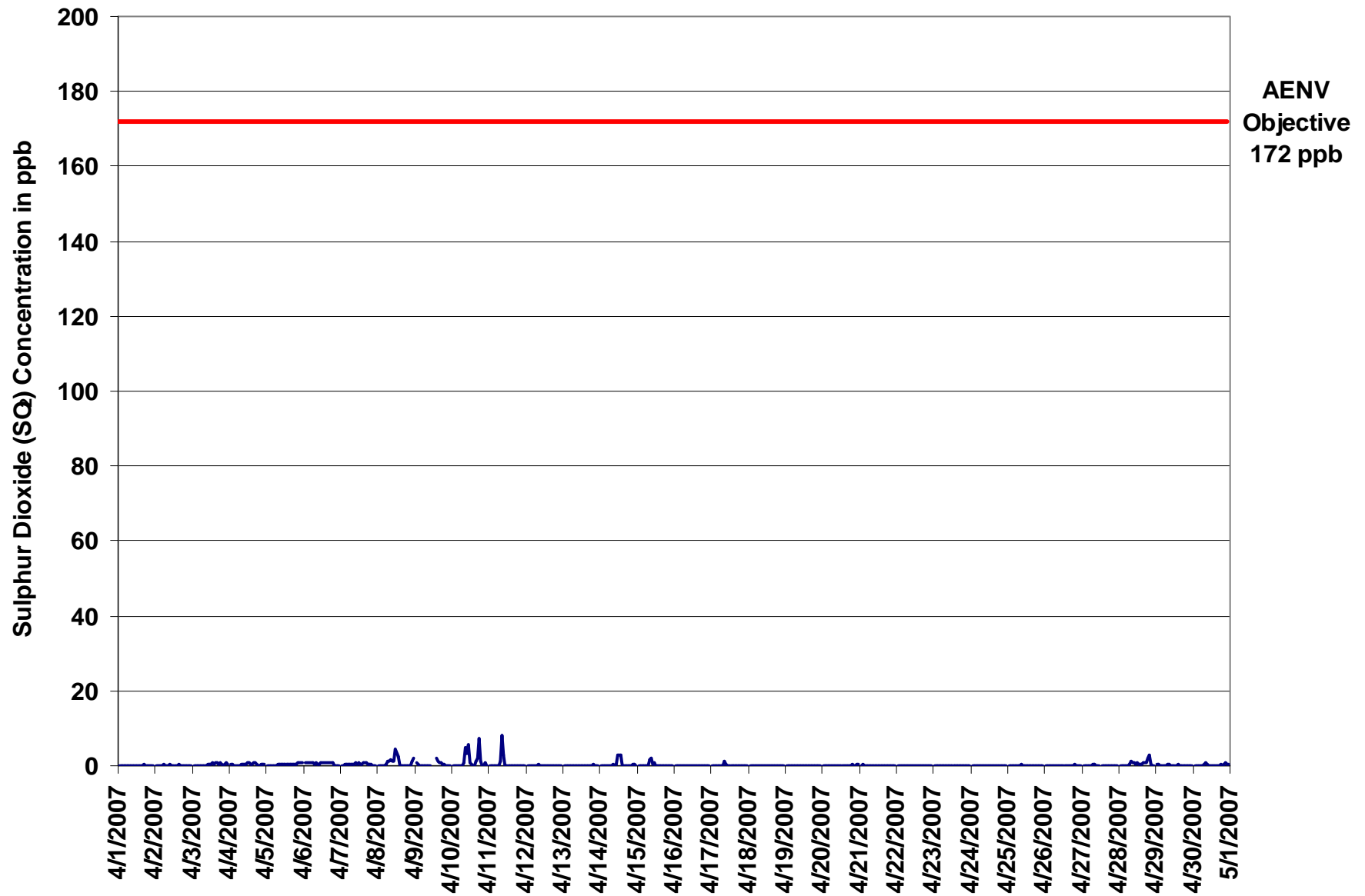


Figure 58. PASZA - Valleyview Sulphur Dioxide 1-hr Average Monthly Trend

Station: Valleyview
 Station Owner: PASZA

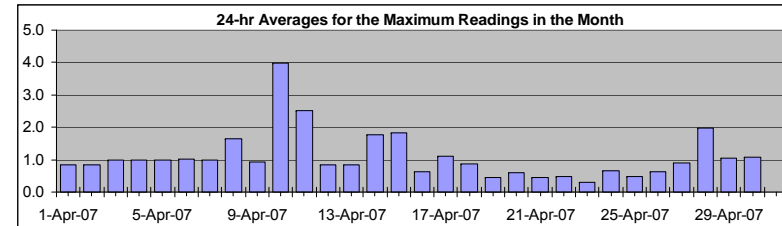
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	19.3	ppb	10-Apr	18:00 19:00
Maximum 24-hr Value:	4.0	ppb	10-Apr	



AIC Time:	30 hrs	Operational Time:	686 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	9.6	2.5	1.0	0.9	0.5	0.1	0.0	1.1 ppb	0.9 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Apr-07	A	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	0.9
2-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
3-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	2	1	1	1.0	1.9
4-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1.0	1.8
5-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.0	1.9
6-Apr-07	A	1	1	1	1	1	1	2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1.0	1.8
7-Apr-07	A	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1.0	1.8
8-Apr-07	A	1	1	1	1	1	2	2	2	2	2	2	10	5	1	0	0	0	0	0	1	2	3	1	1.7	9.6
9-Apr-07	A	2	1	1	1	0	0	0	0	1	1	C	C	C	3	2	1	2	2	1	0	1	0	0	0.9	2.8
10-Apr-07	A	0	1	0	0	0	0	0	4	10	7	17	4	2	0	1	5	7	19	6	0	1	4	1	4.0	19.3
11-Apr-07	A	1	1	1	1	1	1	1	9	13	16	1	1	1	1	1	1	1	1	1	1	0	1	1	2.5	16.3
12-Apr-07	A	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0.8	1.1
13-Apr-07	A	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	0	1	1	0.9	1.2
14-Apr-07	A	1	0	0	1	1	1	0	1	2	1	3	9	12	0	1	1	0	1	1	1	1	1	1	1.8	12.2
15-Apr-07	A	1	1	1	1	1	0	1	7	9	4	10	1	1	1	0	1	0	1	0	1	0	0	0	1.8	9.7
16-Apr-07	A	0	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	0.6	1.0
17-Apr-07	A	1	1	1	1	0	1	0	1	4	5	2	1	1	1	0	1	0	0	1	0	1	1	1	1.1	5.0
18-Apr-07	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.0
19-Apr-07	A	1	0	0	0	1	1	1	1	1	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0.4	1.0
20-Apr-07	A	1	0	1	0	0	0	1	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0.6	1.3
21-Apr-07	A	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0.5	1.2
22-Apr-07	A	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	1	1	0	0	0.5	1.2
23-Apr-07	A	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0.3	1.1
24-Apr-07	A	1	1	1	1	0	0	0	0	1	1	0	0	1	0	0	1	0	1	1	1	1	1	0	0.7	1.2
25-Apr-07	A	0	1	0	1	0	1	0	2	2	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0.5	2.1
26-Apr-07	A	0	1	0	0	1	0	1	1	1	1	1	1	0	0	0	1	0	0	4	1	1	0	0	0.6	4.0
27-Apr-07	A	1	1	1	1	0	0	1	2	1	1	1	M	1	1	1	1	1	1	1	1	1	1	1	0.9	1.6
28-Apr-07	A	1	0	1	1	1	1	1	2	2	2	2	2	2	2	1	3	3	3	5	5	3	1	1	2.0	5.1
29-Apr-07	A	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1.0	2.0
30-Apr-07	A	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.9
Hourly Avg	N	0.8	0.7	0.7	0.7	0.6	0.7	0.8	1.6	2.1	1.9	1.9	1.5	1.5	0.9	0.8	1.1	1.0	1.5	1.2	0.8	0.9	0.9	0.8		
Hourly Max	0.0	1.8	1.3	1.0	1.2	1.0	1.6	1.9	8.8	13.2	16.3	17.1	9.6	12.2	2.8	2.2	5.1	7.1	19.3	6.1	5.1	3.0	4.1	2.8		

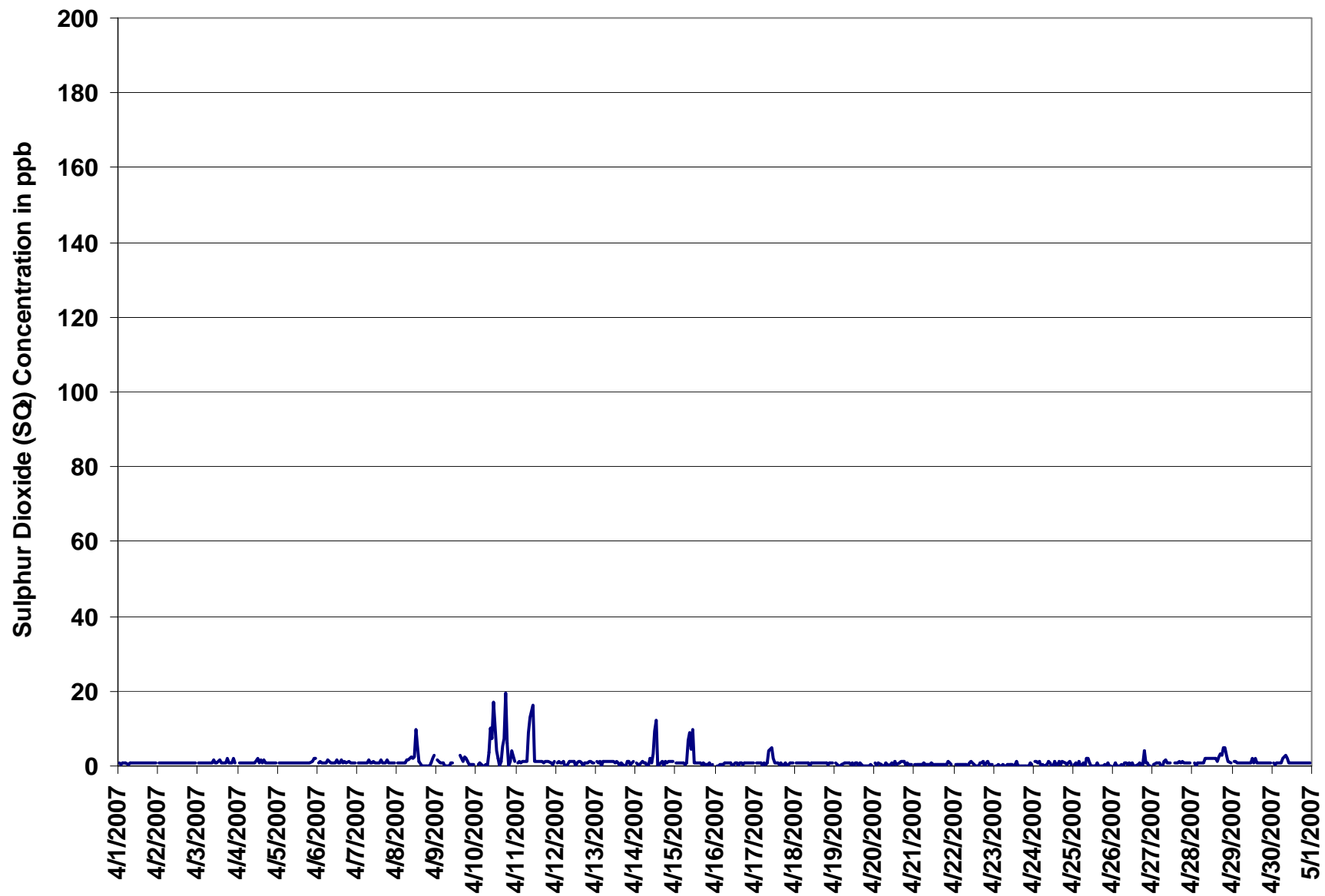
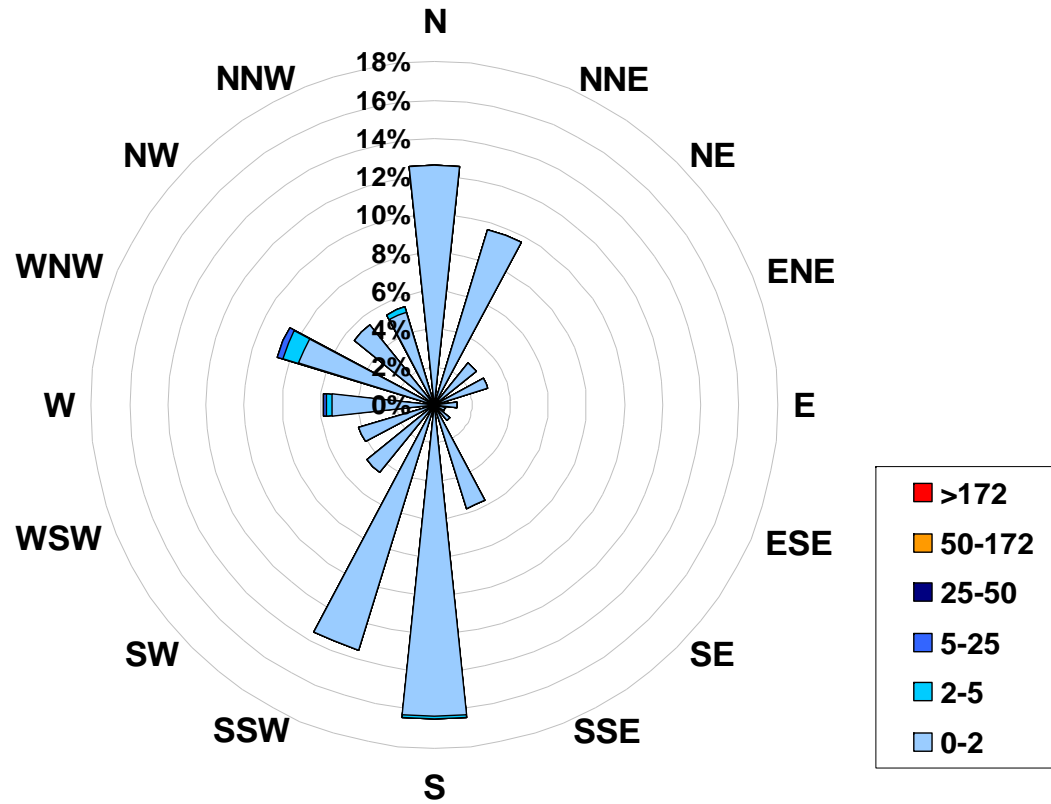


Figure 59. PASZA - Valleyview Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Sulphur Dioxide (in ppb) Located at the Valleyview Site for April 2007



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2	672	
2	to 5	11	
5	to 25	3	
25	to 50	0	
50	to 172	0	
	> 172	0	
Total Non-Zero Values		686	

PASZA - Valleyview - Hydrogen Sulphide Monthly Summary

HOURLY AVERAGE TABLE

Hydrogen Sulphide (H₂S)

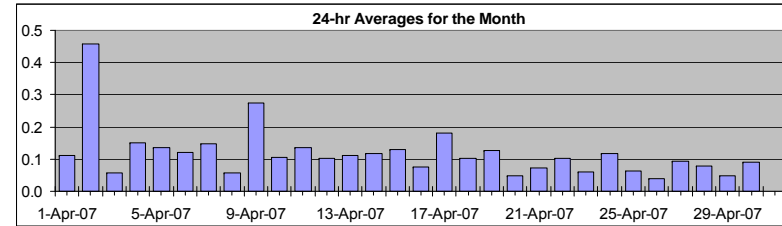
Station: Valleyview
 Station Owner: PASZA

Monitoring Dates: April 1, 2007 to May 1, 2007

Objective Limit: Alberta Environment: 1-hr 10 ppb 24-hr 3 ppb

Summary

Number of 1-hr Exceedances:	0			
Number of 24-hr Exceedances:	0			
Maximum 1-hr Average:	5.7	ppb	2-Apr	23:00 0:00
Maximum 24-hr Value:	0.5	ppb	2-Apr	



AIC Time:	30 hrs	Operational Time:	686 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.8	0.2	0.1	0.1	0.0	0.0	0.0	0.1 ppb	0.1 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	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-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
2-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	0.5	5.7	
3-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4	
4-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	
5-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
6-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
7-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
8-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
9-Apr-07	A	0	0	0	0	0	0	0	0	0	0	C	C	C	1	1	1	1	1	1	0	0	0	0	0.3	1.0	
10-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
11-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
12-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
13-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
14-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
15-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
16-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
17-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.3	
18-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
19-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
20-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
21-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
22-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
23-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
24-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
25-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
26-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	
27-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
28-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
29-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
30-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
Hourly Avg	N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3		
Hourly Max	0.0	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.9	0.8	1.0	0.8	0.6	0.5	0.3	2.3	4.5	5.7			

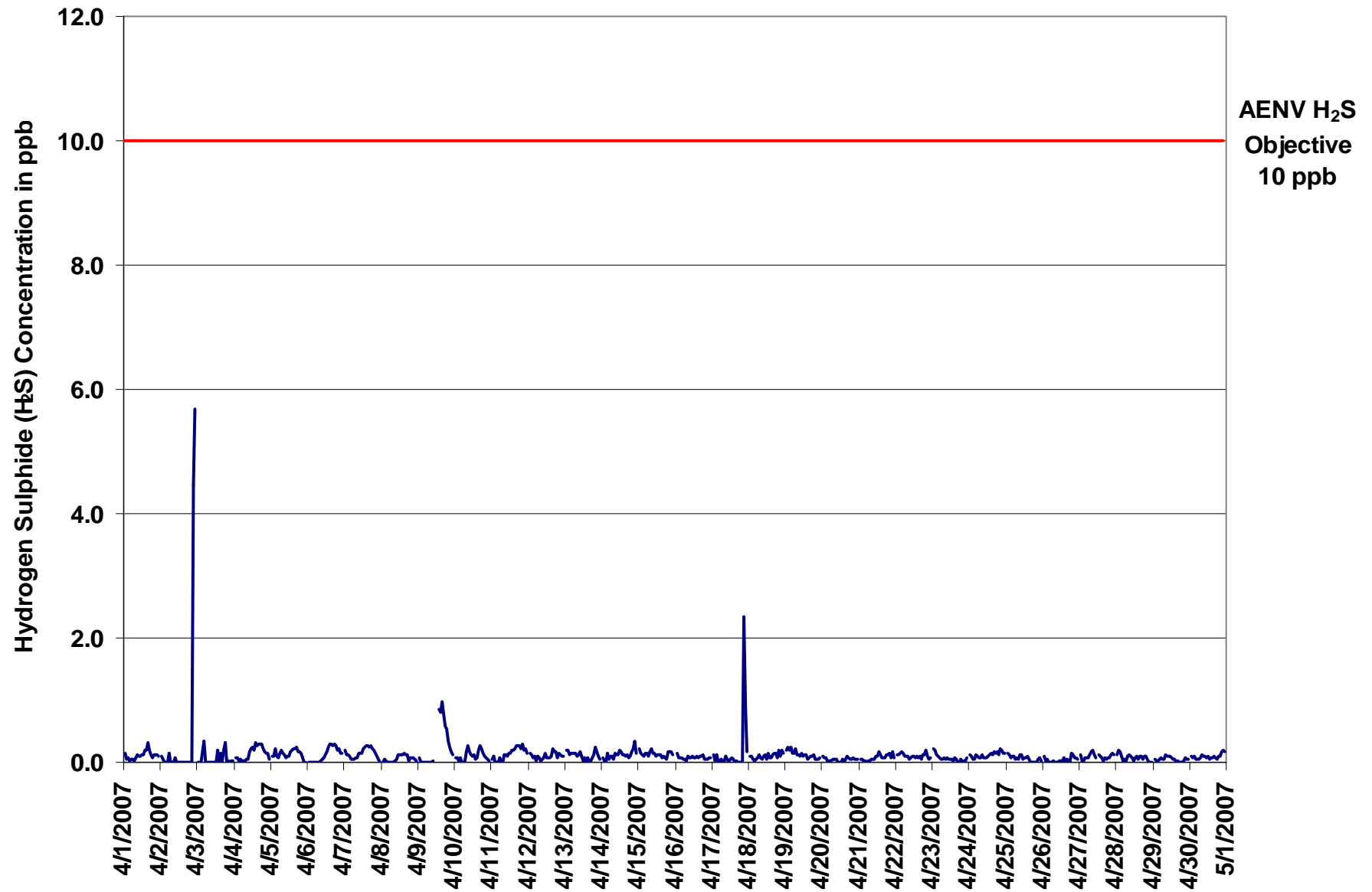


Figure 60. PASZA - Valleyview Hydrogen Sulphide 1-hr Average Monthly Trend

Station: Valleyview
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

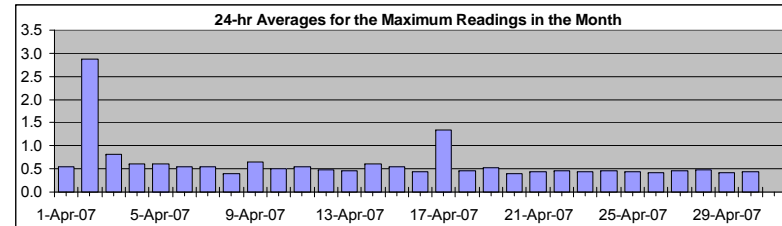
Hydrogen Sulphide (H₂S)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Value:	28.7	ppb	2-Apr	23:00 0:00
Maximum 24-hr Value:	2.9	ppb	2-Apr	

AIC Time:	30 hrs	Operational Time:	686 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	0.8	0.5	0.5	0.4	0.3	0.2	0.6 ppb	0.5 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Apr-07	A	1	0	0	0	1	0	0	0	1	0	1	0	1	1	1	1	1	0	1	0	0	0	0	0.5	1.5
2-Apr-07	A	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	28	29	2.9	28.7
3-Apr-07	A	0	0	0	8	0	0	0	1	0	1	0	1	2	0	1	0	1	1	0	0	0	1	0	0.8	8.0
4-Apr-07	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	0.9
5-Apr-07	A	1	0	1	0	1	1	1	1	2	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0.6	1.5
6-Apr-07	A	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	2	1	1	1	1	1	1	0	0.5	1.7
7-Apr-07	A	0	1	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5	0.8
8-Apr-07	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0.4	0.5
9-Apr-07	A	0	0	0	0	0	0	0	0	0	0	C	C	C	1	1	2	1	1	1	1	0	1	0.7	1.8	
10-Apr-07	A	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	1	1	1	1	1	0	0	0	0.5	0.8
11-Apr-07	A	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	0.5	1.2
12-Apr-07	A	1	0	0	0	0	1	1	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	0	0.5	0.8
13-Apr-07	A	1	0	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0.5	0.7
14-Apr-07	A	1	0	0	1	0	0	1	0	1	1	0	1	1	0	0	0	0	0	1	1	2	1	1	0.6	1.7
15-Apr-07	A	1	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	1	1	0	0	0.5	1.5
16-Apr-07	A	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0.4	0.6
17-Apr-07	A	1	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	15	5	1	1.3	15.1
18-Apr-07	A	0	1	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	0	0	0	1	1	0.5	0.7
19-Apr-07	A	1	1	1	1	1	0	1	1	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0.5	1.0
20-Apr-07	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
21-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0.4	0.6
22-Apr-07	A	1	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0.5	0.7
23-Apr-07	A	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.4	0.7
24-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0.5	0.6
25-Apr-07	A	1	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0.4	0.8
26-Apr-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0.4	0.8
27-Apr-07	A	1	0	0	0	0	0	1	1	1	1	0	M	0	0	1	0	0	0	0	0	0	1	0	0.5	0.6
28-Apr-07	A	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0.5	0.9
29-Apr-07	A	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
30-Apr-07	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.4	0.6
Hourly Avg	N	0.5	0.4	0.4	0.7	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	1.0	1.6	1.4			
Hourly Max	0.0	0.8	0.8	1.3	8.0	0.6	0.9	1.6	0.7	1.5	1.4	0.9	1.1	1.6	1.3	1.5	1.8	1.2	1.1	0.9	1.2	15.1	28.3	28.7		

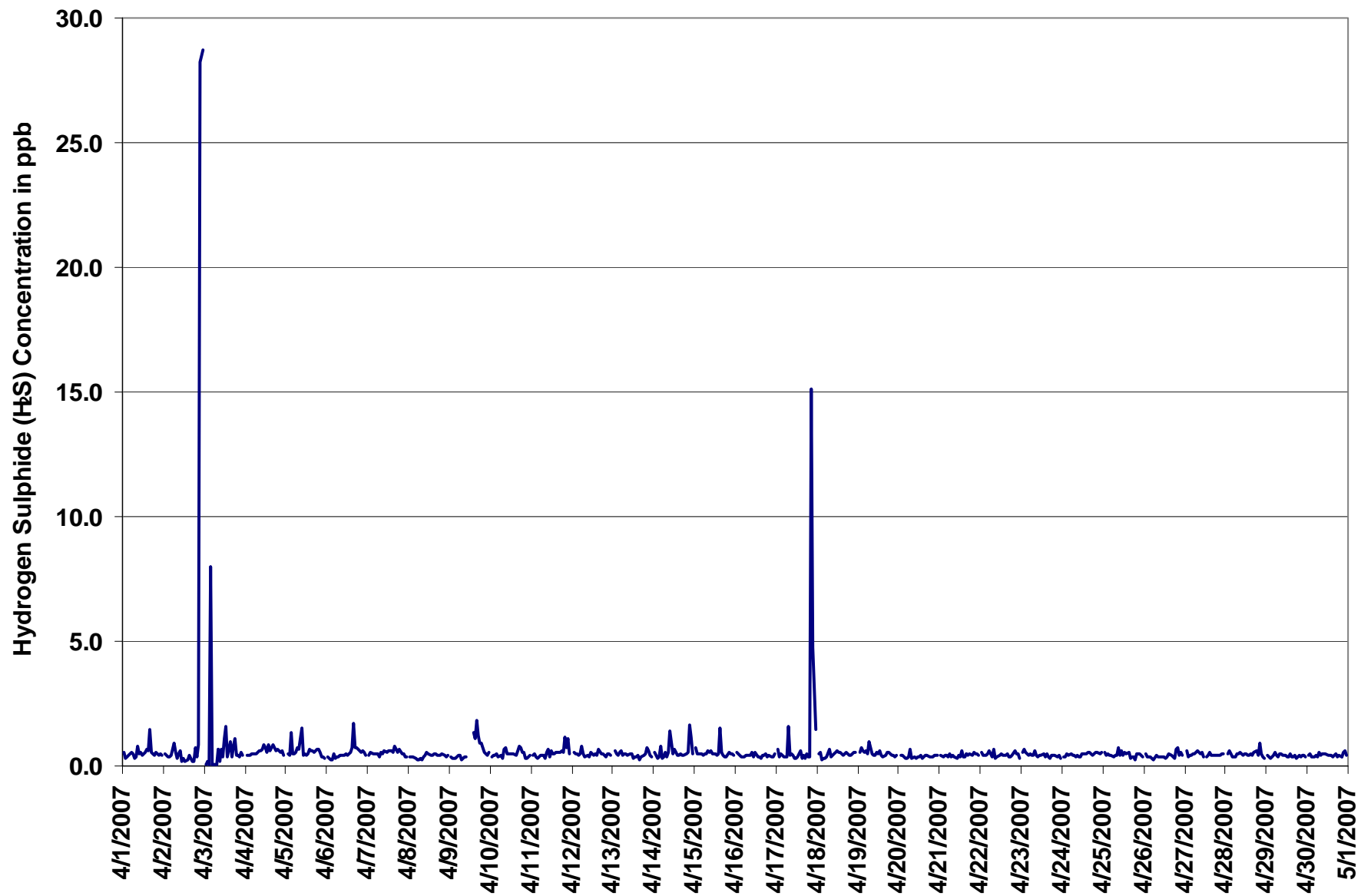
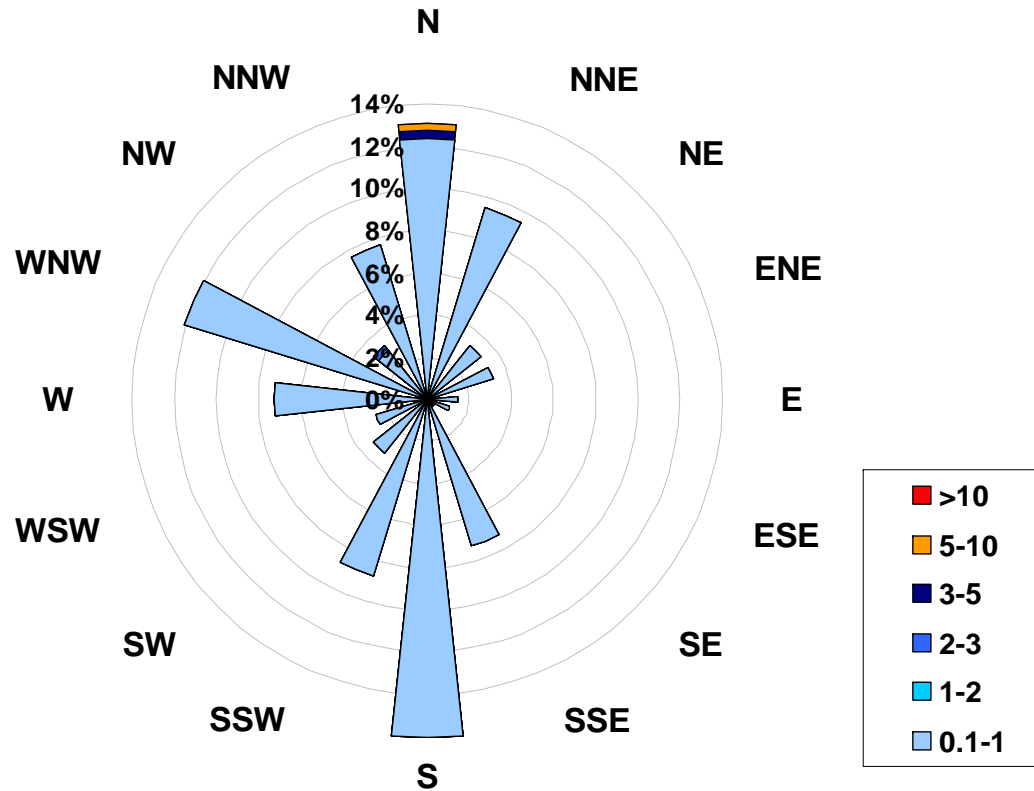


Figure 61. PASZA - Valleyview Hydrogen Sulphide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Hydrogen Sulphide (in ppb) Located at the Valleyview Site for April 2007



Calms: 0%

Frequency Distribution of H ₂ S in ppb			
Range			Frequency (hrs)
0.1	<	1	683
1	to	2	0
2	to	3	1
3	to	5	1
5	to	10	1
	>	10	0
Total Non-Zero Values			686

PASZA – Valleyview - Relative Humidity Monthly Summary

Station: Valleyview
 Station Owner: PASZA

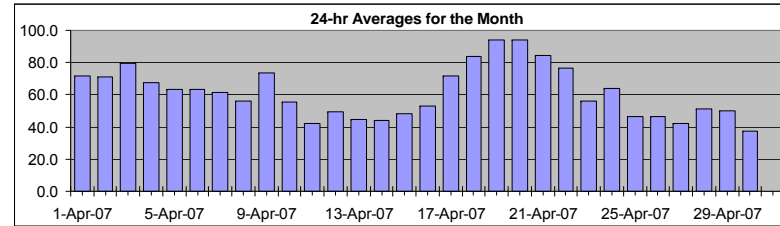
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	98.6 %	18-Apr	8:00 9:00
Maximum 24-hr Value:	94.1 %	20-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	98.1	96.7	78.5	61.8	44.5	26.3	18.6	61.4 %	61.8 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	66	69	69	68	69	70	71	76	86	82	82	77	74	69	56	54	59	76	70	69	66	79	82	84	84	71.8	85.5
2-Apr-07	73	70	74	75	77	80	80	79	77	75	73	72	68	63	62	62	60	60	62	70	73	74	77	79	79	71.3	80.0
3-Apr-07	77	79	81	84	84	84	84	83	80	78	76	76	74	74	78	78	80	80	84	89	89	74	70	71	71	79.5	89.4
4-Apr-07	73	75	77	82	84	86	85	84	80	74	66	60	59	56	51	47	48	52	57	66	67	63	66	70	67	67.7	85.7
5-Apr-07	75	79	86	91	91	89	89	85	78	61	51	48	46	43	42	41	39	40	46	51	56	61	65	66	63	63.3	91.0
6-Apr-07	69	70	69	70	71	71	72	72	70	68	65	61	58	54	52	51	51	52	55	60	63	65	66	68	68	63.5	72.1
7-Apr-07	69	70	71	72	73	74	73	72	69	65	62	57	53	49	47	46	45	46	50	54	58	62	65	68	61	61.2	73.6
8-Apr-07	71	74	77	80	79	79	78	73	67	59	47	49	44	39	37	34	33	37	43	45	43	48	52	56	56	56.1	80.4
9-Apr-07	60	64	67	69	71	72	73	72	72	69	64	59	54	54	63	63	70	71	90	95	97	97	97	97	97	73.4	97.4
10-Apr-07	97	97	98	98	96	92	87	82	62	50	44	40	33	29	27	26	27	28	31	34	37	37	37	40	40	55.4	97.6
11-Apr-07	45	51	54	54	58	60	58	53	45	37	32	31	29	30	30	29	28	28	27	29	35	47	58	58	58	41.9	59.8
12-Apr-07	63	73	78	81	85	82	77	65	50	44	45	34	25	23	23	27	31	30	29	33	37	38	50	55	49	49.1	84.9
13-Apr-07	58	62	64	64	63	68	67	60	52	45	38	31	27	26	26	25	25	24	26	31	38	49	48	50	44	44.5	68.5
14-Apr-07	50	50	52	54	55	60	63	61	51	41	56	41	40	35	39	34	23	26	32	35	35	37	39	48	48	44.0	63.2
15-Apr-07	52	57	58	60	60	62	59	55	49	45	42	40	38	38	40	38	37	39	39	37	43	53	62	59	59	48.3	62.1
16-Apr-07	60	58	55	54	55	56	57	53	48	44	37	32	28	30	30	31	36	44	46	63	81	87	93	96	53	53.0	95.6
17-Apr-07	96	97	97	98	98	98	94	84	69	57	50	48	48	52	50	52	48	50	55	61	68	73	82	88	88	71.4	98.2
18-Apr-07	87	90	92	93	92	95	98	98	99	98	86	68	66	66	63	60	60	69	79	83	86	89	93	95	95	83.5	98.6
19-Apr-07	95	94	90	85	85	91	94	95	96	95	93	91	92	94	93	92	95	96	96	97	98	98	98	98	98	93.8	98.4
20-Apr-07	98	98	98	98	98	97	97	95	92	91	89	91	92	93	93	90	86	88	91	95	97	97	97	97	97	94.1	98.3
21-Apr-07	98	97	96	96	95	95	95	94	89	85	83	79	76	75	79	74	75	74	74	77	79	80	81	85	85	84.6	97.6
22-Apr-07	90	95	97	97	97	97	97	97	97	93	82	74	65	62	56	50	51	51	52	55	60	66	72	78	78	76.2	97.4
23-Apr-07	81	80	76	77	82	83	84	79	72	63	56	50	43	38	34	32	33	32	33	34	38	44	50	52	52	56.1	84.0
24-Apr-07	56	58	60	62	63	64	65	63	57	50	46	48	47	46	59	58	73	79	73	75	77	75	88	89	63	63.8	88.7
25-Apr-07	70	69	75	76	75	70	64	54	49	42	36	32	28	26	25	23	24	26	28	35	38	41	51	50	46	46.1	76.3
26-Apr-07	52	56	67	68	67	67	62	51	46	39	35	31	29	29	29	31	35	36	36	41	45	48	53	56	46	46.2	68.1
27-Apr-07	59	61	64	67	68	74	70	55	38	28	23	18	15	13	13	12	13	14	20	34	50	61	64	73	42	42.0	73.6
28-Apr-07	85	90	86	87	89	90	80	64	46	37	37	36	37	35	32	29	27	26	26	29	32	37	42	47	47	51.1	90.1
29-Apr-07	49	52	56	69	67	67	67	57	43	30	25	23	27	32	34	40	45	42	36	46	64	75	80	73	73	50.0	80.4
30-Apr-07	64	58	55	57	57	57	54	41	34	30	26	24	22	19	18	20	22	23	25	27	30	36	46	51	51	37.4	63.5
Hourly Avg	71.3	73.2	74.6	76.1	76.8	77.6	76.5	71.8	65.3	59.1	54.9	50.7	47.9	46.4	45.9	45.0	46.0	48.1	50.4	55.1	59.3	63.0	67.5	69.9	69.9		
Hourly Max	98.3	98.2	98.2	98.0	98.2	97.7	97.5	98.3	98.6	97.9	93.3	91.1	92.2	93.7	93.1	92.5	95.2	96.0	95.8	96.9	97.8	98.1	98.3	98.4	98.4		

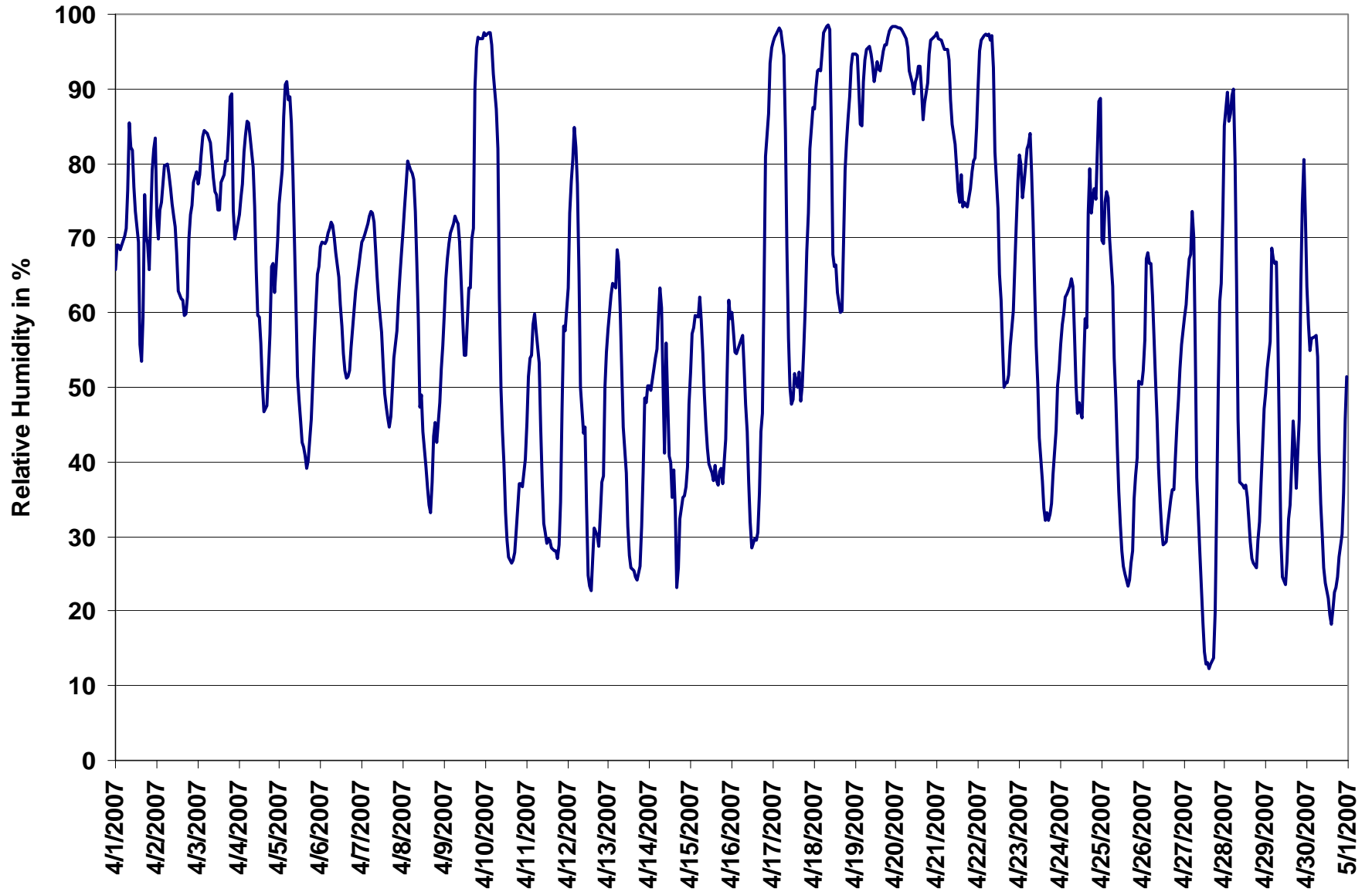


Figure 62. PASZA - Valleyview Relative Humidity 1-hr Average Monthly Trend

PASZA – Valleyview - Temperature Monthly Summary

Station: Valleyview
 Station Owner: PASZA

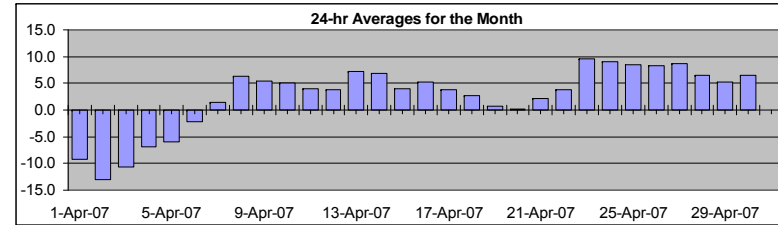
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	15.7	°C	23-Apr	17:00 18:00
Maximum 24-hr Value:	9.6	°C	23-Apr	



AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	14.7	12.5	7.7	3.3	-0.5	-12.0	-14.5	2.6 °C	3.3 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	-7	-8	-9	-9	-9	-10	-10	-10	-10	-10	-10	-10	-9	-9	-8	-8	-8	-9	-9	-9	-9	-10	-10	-11	-9.3	-7.1	
2-Apr-07	-11	-12	-13	-13	-14	-14	-14	-15	-15	-15	-14	-13	-13	-12	-11	-11	-11	-11	-12	-12	-13	-13	-14	-14	-13.0	-11.1	
3-Apr-07	-15	-15	-15	-15	-14	-14	-14	-14	-14	-13	-12	-11	-10	-8	-8	-7	-7	-7	-7	-7	-7	-8	-8	-8	-10.7	-6.7	
4-Apr-07	-9	-9	-9	-11	-12	-12	-13	-14	-14	-12	-9	-6	-5	-4	-3	-2	-2	-2	-2	-3	-3	-4	-5	-6	-7	-6.8	-2.0
5-Apr-07	-8	-9	-11	-13	-13	-15	-16	-14	-11	-5	-3	-2	-1	-1	0	0	0	0	-1	-3	-3	-4	-4	-5	-5.9	0.4	
6-Apr-07	-5	-5	-5	-5	-5	-5	-5	-4	-4	-4	-3	-2	-1	0	1	1	1	1	0	-1	-1	-2	-2	-2	-2.2	1.3	
7-Apr-07	-2	-2	-3	-3	-3	-3	-2	-2	-1	0	1	2	4	5	6	6	7	7	6	5	4	3	2	1	1.5	7.2	
8-Apr-07	1	0	0	-1	-1	-1	-1	0	2	4	8	8	10	12	13	15	15	13	11	10	11	9	7	7	6.3	14.7	
9-Apr-07	6	5	5	4	5	5	4	5	5	5	7	8	9	9	8	8	7	7	6	5	4	3	3	2	5.5	8.8	
10-Apr-07	2	2	2	2	2	2	3	3	5	5	6	7	8	8	8	8	9	8	7	6	5	5	5	4	5.1	8.6	
11-Apr-07	2	1	1	1	0	0	0	1	4	5	6	7	7	7	7	8	8	8	8	7	5	2	0	-1	4.0	8.1	
12-Apr-07	-2	-3	-4	-4	-5	-6	-5	-2	1	4	5	9	11	12	12	12	10	9	9	10	9	7	8	5	3	3.8	11.7
13-Apr-07	2	1	0	0	1	0	0	1	4	6	9	11	12	13	14	14	15	15	14	11	9	7	6	6	7.2	14.8	
14-Apr-07	7	7	6	6	6	5	4	5	8	11	7	8	8	8	9	9	9	9	8	7	6	6	5	3	7.0	11.2	
15-Apr-07	1	0	0	-1	-1	-1	1	3	5	6	6	7	7	8	8	8	9	8	7	7	5	2	1	1	4.0	8.6	
16-Apr-07	1	1	1	2	1	1	1	2	4	5	8	10	12	12	12	12	10	8	7	6	4	3	2	1	5.3	12.3	
17-Apr-07	1	0	0	-2	-2	-2	-1	2	5	6	7	7	8	8	8	8	8	8	7	6	5	4	2	1	3.9	8.3	
18-Apr-07	1	0	-1	-1	0	0	0	0	1	1	3	5	5	5	6	6	6	6	5	4	4	3	3	2	2.7	6.4	
19-Apr-07	2	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.7	2.1	
20-Apr-07	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	1	1	1	1	2	2	1	1	1	0	0	0	0.2	1.7	
21-Apr-07	0	0	0	0	0	0	0	1	1	2	2	3	4	4	4	4	4	4	4	3	3	3	2	1	2.1	4.3	
22-Apr-07	0	-1	-2	-2	-2	-3	-3	-1	-1	1	3	5	8	8	9	10	10	10	10	9	7	6	4	3	3.8	10.4	
23-Apr-07	3	3	4	4	3	4	4	5	6	8	10	12	13	14	15	15	15	16	15	15	13	11	10	10	9.6	15.7	
24-Apr-07	9	9	9	8	8	7	7	7	9	10	12	13	13	13	12	11	9	9	9	9	8	7	5	4	9.1	13.3	
25-Apr-07	5	5	3	2	2	2	3	6	8	9	10	11	12	12	13	14	14	14	13	12	11	10	7	7	8.5	14.1	
26-Apr-07	6	4	2	2	1	1	2	6	8	10	12	13	13	13	13	13	12	12	12	11	10	9	7	7	8.3	13.2	
27-Apr-07	6	6	6	6	5	4	5	7	8	8	9	10	11	12	12	13	13	13	12	11	9	8	7	6	8.7	13.2	
28-Apr-07	5	5	5	3	2	2	3	5	6	7	7	8	9	9	10	10	10	10	10	9	8	6	5	4	6.6	10.2	
29-Apr-07	3	2	2	0	0	0	1	3	7	8	9	10	9	9	9	9	9	7	9	8	6	4	2	1	5.3	9.6	
30-Apr-07	1	0	0	0	0	0	2	5	7	8	9	10	10	11	12	12	11	11	11	10	9	7	6	4	6.4	11.7	
Hourly Avg	0.1	-0.4	-0.8	-1.3	-1.5	-1.8	-1.5	-0.3	1.2	2.5	3.6	4.7	5.5	6.0	6.4	6.7	6.6	6.2	5.8	4.9	3.8	2.8	1.7	1.0			
Hourly Max	9.3	8.8	8.6	8.0	7.7	7.3	7.0	7.5	9.1	11.2	11.7	12.6	13.4	14.4	14.9	15.4	15.5	15.7	15.4	14.8	13.1	11.4	10.1	10.1			

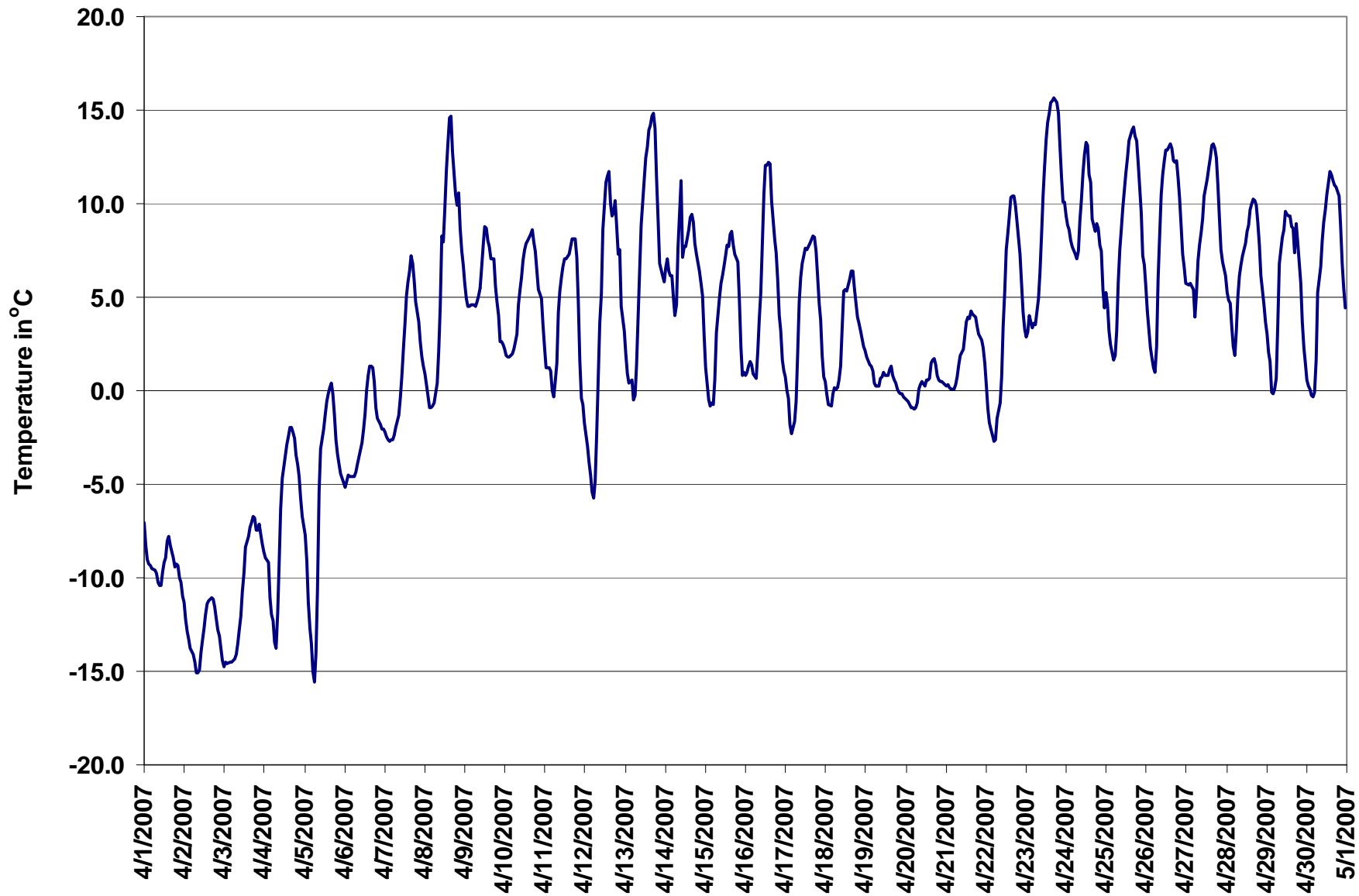


Figure 63. PASZA - Valleyview Temperature 1-hr Average Monthly Trend

PASZA - Valleyview - Scalar Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

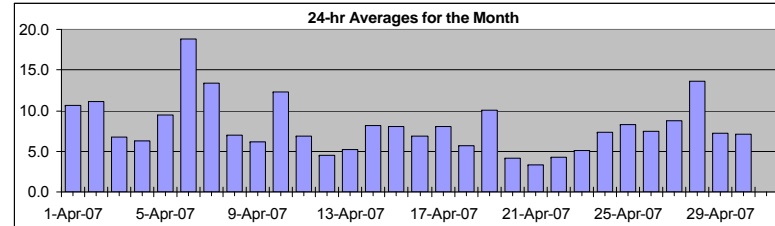
Wind Speed (WSs)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	26.9	km/hr	14-Apr	10:00 11:00
Maximum 24-hr Value:	18.8	km/hr	6-Apr	

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	23.1	18.3	11.3	6.4	4.3	2.2	1.2	8.1 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Scalar Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	15	16	15	14	12	12	12	13	11	13	12	9	9	12	11	13	12	8	9	4	6	5	5	7	10.7	16.3	
2-Apr-07	11	11	10	9	10	11	11	13	15	14	12	14	15	15	14	15	15	12	11	9	7	5	4	4	11.2	15.2	
3-Apr-07	5	5	4	2	4	5	4	3	4	5	6	6	8	9	12	12	12	12	9	6	4	8	11	8	6.8	12.3	
4-Apr-07	5	5	6	5	4	5	5	5	5	6	5	5	7	7	7	9	10	9	8	8	7	7	7	6	6.2	9.7	
5-Apr-07	3	3	5	5	3	2	3	3	2	5	13	14	13	13	14	14	17	13	15	15	15	15	12	12	9.5	16.6	
6-Apr-07	12	12	17	19	19	19	20	20	22	25	21	22	23	18	18	19	20	17	16	16	19	20	19	18	18.8	25.1	
7-Apr-07	17	16	18	17	17	17	17	18	18	16	16	13	13	12	12	12	9	9	12	10	8	8	10	9	13.4	17.7	
8-Apr-07	7	4	2	2	7	7	9	10	10	7	4	6	6	7	10	8	8	9	9	4	11	7	8	7	7.0	10.9	
9-Apr-07	6	5	6	8	12	9	8	7	6	9	9	9	6	5	3	4	3	6	5	3	5	6	4	5	6.1	12.3	
10-Apr-07	5	5	5	4	4	4	4	4	10	16	19	17	22	24	24	23	21	21	16	13	11	9	9	5	12.3	23.8	
11-Apr-07	4	5	7	6	4	5	5	7	8	15	15	12	12	11	10	9	6	6	5	2	2	3	3	4	6.9	14.9	
12-Apr-07	2	2	1	1	1	2	1	3	6	4	3	2	3	4	5	11	11	7	4	5	7	9	5	6	4.5	11.3	
13-Apr-07	5	4	5	6	3	2	2	7	9	10	8	7	9	9	6	7	2	3	4	4	2	3	3	4	5.2	10.3	
14-Apr-07	7	8	6	7	4	4	4	4	6	11	27	17	15	8	8	9	6	7	4	4	6	7	10	4	8.1	26.9	
15-Apr-07	4	4	5	6	6	6	6	6	14	17	17	14	13	12	12	9	10	10	6	3	3	3	3	4	8.1	17.3	
16-Apr-07	5	7	8	5	6	5	5	6	8	10	5	5	4	5	9	12	14	12	8	7	8	3	4	3	6.8	14.2	
17-Apr-07	3	3	2	3	3	5	5	5	8	14	16	17	15	15	15	12	10	11	10	7	5	5	3	2	8.0	16.5	
18-Apr-07	3	3	3	1	2	2	5	4	4	5	7	8	9	11	9	12	9	7	5	6	6	6	5	6	5.7	11.6	
19-Apr-07	5	3	6	7	7	6	8	11	12	14	16	16	16	14	15	16	13	11	11	6	7	7	8	8	10.1	16.5	
20-Apr-07	7	5	7	6	7	5	6	5	5	4	5	4	3	4	3	2	5	4	1	3	3	2	1	1	4.1	7.1	
21-Apr-07	2	3	3	3	3	2	1	2	2	3	2	3	4	5	5	5	5	6	4	6	4	3	3	2	3.3	5.6	
22-Apr-07	1	1	1	1	1	1	2	4	5	5	5	5	4	5	5	4	7	8	7	7	6	5	5	4	4.2	8.1	
23-Apr-07	3	3	3	2	4	3	2	4	4	4	6	5	6	7	7	4	6	5	4	6	7	7	6	14	5.1	13.7	
24-Apr-07	13	11	10	6	6	4	4	2	4	3	3	4	6	5	18	15	18	12	7	4	6	5	4	6	7.3	18.3	
25-Apr-07	10	6	5	4	4	5	6	4	10	15	14	15	14	13	11	8	8	12	10	8	3	7	3	5	8.3	14.6	
26-Apr-07	4	3	3	5	4	4	5	6	5	6	10	12	12	15	11	12	13	7	9	13	5	3	4	6	7.4	14.5	
27-Apr-07	3	5	4	5	5	6	5	12	21	21	20	17	15	14	10	7	4	4	5	7	10	4	3	5	8.8	21.4	
28-Apr-07	3	5	16	13	7	4	4	6	15	23	23	24	20	20	20	20	21	21	19	13	12	8	4	5	13.6	23.8	
29-Apr-07	4	5	4	4	5	5	6	5	7	12	10	7	9	7	11	12	11	12	7	7	7	5	4	5	7.3	12.3	
30-Apr-07	5	5	5	5	5	4	4	8	14	14	12	11	8	9	10	11	10	9	6	3	3	2	3	3	7.1	13.7	
1-hr Average	6.0	5.8	6.3	6.0	5.9	5.8	5.9	7.0	8.9	10.9	11.3	10.7	10.6	10.5	10.8	10.9	10.6	9.9	8.2	6.9	6.7	6.2	5.9	5.8			
Hourly Max	16.8	16.4	17.7	19.1	18.9	19.2	19.7	20.2	22.4	25.1	26.9	23.8	23.0	23.7	23.8	23.3	21.4	21.2	19.3	16.1	18.9	19.8	18.6	18.0			

PASZA - Valleyview - Vector Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

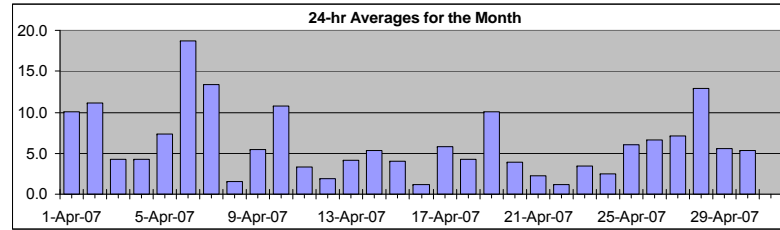
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Maximum 1-hr Average:	26.7	km/hr	14-Apr	10:00 11:00
Maximum 24-hr Value:	18.7	km/hr	6-Apr	



Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	22.7	18.2	10.9	6.1	4.0	1.5	0.5	3.8 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max			
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00			23:00	23:00	0:00
1-Apr-07	Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Apr-07		15	16	15	14	12	12	12	13	11	12	9	8	11	11	12	11	8	9	4	6	5	5	7		10.0	16.1		
2-Apr-07		11	11	9	9	10	11	11	13	15	14	12	13	14	15	14	15	15	12	11	9	7	5	4	4		11.1	15.1	
3-Apr-07		5	5	4	2	4	5	4	3	4	4	6	6	7	9	12	12	12	12	9	6	3	8	11	8		4.2	12.2	
4-Apr-07		5	5	6	5	3	5	5	5	5	6	3	5	5	6	6	8	9	9	8	8	6	7	7	6		4.3	9.1	
5-Apr-07		3	2	5	5	3	2	3	3	2	4	12	13	12	12	13	14	13	16	13	14	14	14	15	12		7.3	16.1	
6-Apr-07		12	12	17	19	19	19	19	20	22	25	21	22	23	18	18	19	20	16	16	16	16	19	20	18	18		18.7	24.8
7-Apr-07		17	16	18	17	17	17	16	18	17	15	15	13	13	12	12	12	9	9	12	10	7	8	10	9		13.4	17.6	
8-Apr-07		7	4	1	1	7	7	9	10	10	7	2	6	6	7	9	8	8	9	9	0	11	7	8	7		1.5	10.9	
9-Apr-07		5	5	6	8	12	9	8	7	6	9	9	9	6	5	3	4	2	4	4	2	5	6	3	4		5.5	12.2	
10-Apr-07		5	5	5	4	4	4	4	4	9	16	19	17	22	24	24	23	21	21	16	13	11	9	9	4		10.8	23.7	
11-Apr-07		4	5	7	6	4	5	4	6	7	15	14	11	11	11	10	9	6	6	5	0	2	2	3	4		3.4	14.7	
12-Apr-07		2	1	0	1	1	2	1	2	6	3	3	1	3	3	2	11	11	7	2	4	7	8	5	6		1.9	11.2	
13-Apr-07		5	4	5	6	3	1	1	7	9	10	8	7	9	9	6	6	1	3	2	3	1	2	3	4		4.2	10.2	
14-Apr-07		7	8	6	7	3	4	2	4	6	9	27	17	15	7	8	4	9	6	6	4	6	7	10	3		5.3	26.7	
15-Apr-07		4	3	5	6	6	6	5	6	13	17	17	14	13	12	12	9	10	10	6	3	2	3	3	4		4.0	17.1	
16-Apr-07		5	7	8	5	5	5	5	6	7	10	5	5	3	5	9	12	14	12	7	6	7	1	3	3		1.2	14.1	
17-Apr-07		3	3	2	3	3	4	5	5	7	14	15	16	15	15	14	12	9	11	10	7	5	4	1	1		5.8	16.2	
18-Apr-07		1	1	2	1	2	2	5	4	4	5	6	7	8	11	8	11	8	7	4	6	5	6	5	6		4.3	11.3	
19-Apr-07		5	2	6	7	7	6	7	10	12	14	16	16	14	15	16	13	10	10	6	7	7	8	8		10.0	16.3		
20-Apr-07		7	5	7	6	7	5	6	5	5	4	5	3	2	3	3	1	5	4	0	3	3	2	1	0		3.9	7.0	
21-Apr-07		2	2	3	3	3	1	1	1	1	2	1	2	3	5	5	4	5	5	4	5	4	3	3	2		2.3	5.4	
22-Apr-07		1	1	0	1	1	1	2	4	5	5	5	5	4	2	4	1	6	8	7	6	6	5	5	4		1.1	7.8	
23-Apr-07		2	2	3	2	3	3	2	4	4	4	5	4	5	5	6	2	5	5	4	6	7	7	6	14		3.4	13.6	
24-Apr-07		13	11	10	5	6	3	3	2	3	2	3	5	4	18	15	17	12	6	4	5	4	4	5		2.5	18.2		
25-Apr-07		10	5	5	4	4	5	6	4	9	14	13	14	13	12	10	8	7	12	10	8	3	6	3	4		6.1	14.2	
26-Apr-07		4	3	3	5	4	4	5	6	5	6	10	12	11	14	10	11	13	7	9	12	5	3	4	5		6.6	14.1	
27-Apr-07		3	5	3	5	5	6	5	12	21	21	20	16	14	13	8	5	2	3	5	6	9	3	2	4		7.1	21.2	
28-Apr-07		3	5	16	13	6	4	4	5	15	23	23	23	19	19	19	19	21	21	19	13	12	8	4	4		12.9	23.3	
29-Apr-07		4	5	4	4	5	5	6	5	5	11	9	5	8	7	11	10	2	5	7	7	7	5	4	5		5.5	11.5	
30-Apr-07		5	5	5	5	5	4	4	8	13	13	11	10	7	8	9	10	10	9	6	3	1	2	1	2		5.3	13.4	
1-hr Vector		2.2	2.3	2.3	2.2	2.6	2.5	2.3	2.6	3.7	5.0	5.3	4.6	4.9	4.4	4.7	4.2	4.4	3.6	2.3	1.1	1.0	2.1	2.5	3.3				
Hourly Max		16.6	16.2	17.6	18.7	18.6	19.0	19.5	20.0	22.1	24.8	26.7	23.3	22.6	23.5	23.7	23.1	21.0	21.0	19.1	15.8	18.6	19.6	18.5	17.8				

PASZA – Valleyview - Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	359.1	347.8	277.1	194.6	139.2	7.4	2.5	269 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																								24-hour Average	WD Sector
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Apr-07	4	337	334	328	317	317	321	328	356	9	2	360	2	353	338	318	341	27	6	316	327	310	324	359	342	NNW
2-Apr-07	16	24	22	22	7	12	18	13	5	8	17	17	16	23	12	9	7	13	22	13	22	21	358	1	14	NNE
3-Apr-07	359	13	16	8	4	23	3	355	348	346	349	326	308	343	351	359	358	4	12	8	69	159	167	163	1	N
4-Apr-07	139	127	130	29	32	22	25	358	360	350	23	54	5	74	46	67	65	74	74	86	106	141	146	148	68	ENE
5-Apr-07	150	1	353	355	342	22	349	1	346	154	162	162	155	148	164	163	166	168	159	155	147	156	158	154	156	SSE
6-Apr-07	149	158	167	167	172	172	172	171	175	176	178	181	179	172	169	170	162	156	163	160	171	171	174	174	170	S
7-Apr-07	174	174	176	175	178	176	177	178	180	179	177	168	184	184	186	185	175	166	166	178	178	183	187	189	178	S
8-Apr-07	188	176	168	206	193	192	188	188	189	179	191	340	346	355	20	3	7	10	322	167	174	176	188	194	194	SSW
9-Apr-07	179	193	195	184	188	187	196	192	205	187	183	189	209	214	229	266	262	279	287	178	192	189	185	202	200	SSW
10-Apr-07	199	207	209	212	213	209	200	191	281	288	291	294	300	297	299	296	292	291	276	270	259	255	270	231	280	W
11-Apr-07	226	200	252	252	226	205	232	184	251	284	292	315	326	357	7	5	8	8	8	84	210	202	171	199	294	WNW
12-Apr-07	208	36	264	197	244	196	237	207	185	180	351	344	198	357	34	349	339	343	340	256	294	267	206	204	294	WNW
13-Apr-07	193	190	189	194	188	6	197	187	183	185	178	198	211	207	206	217	192	123	342	352	299	189	212	193	197	SSW
14-Apr-07	184	190	188	182	192	215	229	175	204	301	315	295	284	270	205	255	308	309	338	326	313	288	288	219	272	W
15-Apr-07	229	192	190	191	197	186	201	249	292	292	297	299	322	327	6	6	6	6	11	51	177	211	198	201	299	WNW
16-Apr-07	196	190	177	203	196	203	204	201	189	184	178	153	190	15	358	10	16	3	307	320	328	277	239	184	244	WSW
17-Apr-07	209	151	177	209	175	169	174	204	272	293	299	303	309	312	306	320	305	347	356	330	307	309	333	205	302	WNW
18-Apr-07	231	203	65	148	8	59	37	36	18	357	359	41	64	65	85	75	87	123	91	68	65	58	34	330	58	ENE
19-Apr-07	6	17	28	24	26	14	9	14	15	15	14	16	11	11	9	6	7	13	18	14	4	8	8	11	13	NNE
20-Apr-07	16	14	354	1	0	357	352	354	360	6	5	46	41	1	19	352	19	33	90	44	36	27	24	270	11	N
21-Apr-07	276	304	295	283	293	289	267	202	96	63	44	336	360	28	15	4	59	36	37	16	24	32	44	24	13	NNE
22-Apr-07	359	192	119	189	172	215	206	197	190	202	214	202	193	76	58	74	8	27	27	33	41	30	21	30	58	ENE
23-Apr-07	340	185	177	32	184	183	174	181	207	204	195	237	257	280	272	230	159	171	155	131	132	139	173	184	189	S
24-Apr-07	188	186	189	194	183	176	184	157	228	193	54	91	337	319	348	340	330	333	282	251	287	277	213	243	276	W
25-Apr-07	268	243	215	226	218	216	208	209	285	285	284	307	309	304	312	307	339	3	3	344	322	312	201	242	294	WNW
26-Apr-07	199	205	177	182	208	212	198	189	180	219	252	257	246	251	243	248	264	251	249	279	265	227	223	243	239	WSW
27-Apr-07	219	262	229	217	209	207	228	277	286	280	276	277	287	286	303	295	64	137	188	223	241	233	229	235	265	W
28-Apr-07	208	241	283	278	259	200	199	277	282	282	288	289	290	290	294	294	289	288	290	288	279	267	234	233	282	WNW
29-Apr-07	215	211	204	177	176	185	186	194	258	293	302	266	269	232	267	192	219	262	206	188	188	168	195	206	227	SW
30-Apr-07	198	204	207	206	210	190	203	269	292	289	264	268	278	293	281	292	316	305	317	340	19	220	7	207	274	W
Hourly Avg	198	198	205	210	203	194	202	215	258	272	285	288	294	312	323	321	335	344	338	309	231	208	196	198		

PASZA – Valleyview - Standard Deviation of Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: April 1, 2007 to May 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	57.9	44.4	18.0	10.4	7.4	5.0	3.8

Status Flag Characters

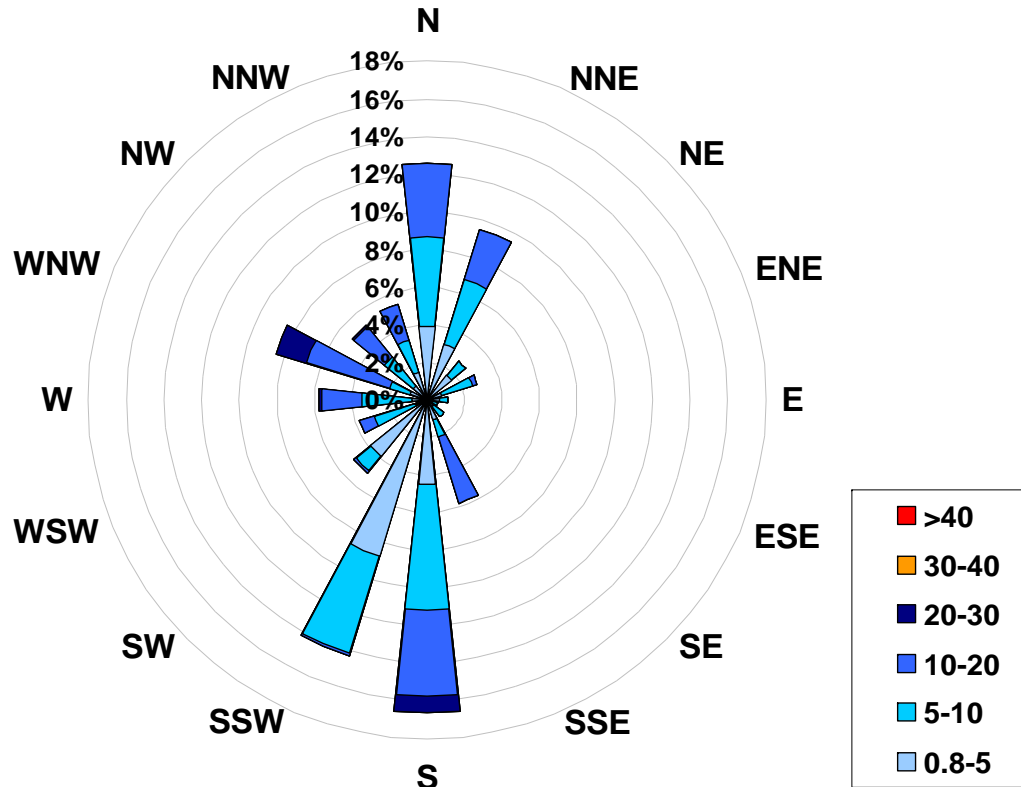
C Calibration	A AIC - Zero / Span Check
S Instrument out of Service	X Filter Exchange
N No Data	M Equipment Maintenance
D Excessive Instrument Drift	P Power Failure

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00	Daily Maximum
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Apr-07	6	6	6	6	9	8	7	7	8	6	5	9	8	16	13	12	16	9	8	10	9	8	5	5	16.3		
2-Apr-07	7	7	9	8	5	6	6	6	5	6	11	10	10	10	9	7	7	7	7	6	6	7	6	5	10.6		
3-Apr-07	3	9	12	13	10	11	7	5	10	11	9	12	13	11	6	6	6	6	5	7	18	9	9	11	18.1		
4-Apr-07	10	8	13	12	11	22	5	8	4	6	21	26	37	27	30	24	19	14	11	11	13	9	7	7	36.8		
5-Apr-07	22	27	12	8	9	21	11	15	15	47	14	12	19	16	14	14	14	9	11	8	10	10	10	9	47.5		
6-Apr-07	10	10	10	9	9	8	9	9	10	9	10	8	10	10	10	13	10	11	12	10	9	8	8	9	13.0		
7-Apr-07	8	8	8	8	7	8	8	8	8	10	11	16	9	8	9	9	14	11	10	8	10	8	7	7	16.0		
8-Apr-07	8	7	17	29	6	6	7	7	7	13	47	6	8	7	8	7	6	5	3	48	6	10	11	8	48.2		
9-Apr-07	9	6	6	7	7	8	7	8	8	8	9	9	8	9	16	18	56	47	38	54	8	16	17	15	55.6		
10-Apr-07	7	9	4	5	5	4	4	9	12	9	9	11	8	7	7	7	7	6	6	6	5	8	8	8	12.3		
11-Apr-07	9	6	8	7	7	11	12	8	15	9	9	10	9	9	7	7	11	10	9	19	12	22	28	6	28.0		
12-Apr-07	48	13	35	22	57	10	27	22	9	32	55	73	46	45	56	8	4	7	43	19	17	23	7	4	73.3		
13-Apr-07	7	7	4	4	10	51	42	6	7	8	8	16	10	9	20	16	51	26	35	27	63	36	7	16	63.4		
14-Apr-07	12	5	11	9	38	26	35	42	5	21	5	11	11	16	13	22	10	10	12	16	11	7	6	20	42.4		
15-Apr-07	11	13	8	4	15	6	10	14	11	9	10	11	10	13	7	8	7	7	10	16	18	10	12	13	18.2		
16-Apr-07	7	5	13	7	6	5	6	6	7	8	16	19	27	24	10	6	6	7	14	27	11	41	17	31	40.7		
17-Apr-07	12	11	17	7	16	6	8	9	17	13	11	10	11	9	13	11	16	12	4	8	7	20	24	59	59.4		
18-Apr-07	36	27	33	43	20	26	10	11	19	25	17	26	19	16	17	14	17	16	15	10	11	11	9	6	43.5		
19-Apr-07	9	24	7	5	5	5	5	5	6	5	6	6	6	7	6	6	5	6	7	7	5	6	6	5	24.2		
20-Apr-07	7	8	5	4	4	4	7	11	9	14	10	21	32	29	22	72	19	15	61	20	10	14	36	30	71.6		
21-Apr-07	17	12	11	11	9	45	25	32	52	33	55	48	43	32	35	29	19	21	10	10	10	16	7	15	54.9		
22-Apr-07	35	26	41	41	26	22	16	11	15	15	18	22	44	54	57	75	24	16	9	8	6	6	7	9	74.9		
23-Apr-07	45	43	19	38	29	8	18	13	10	19	22	51	46	39	33	67	33	22	15	6	5	7	8	7	66.8		
24-Apr-07	6	6	6	10	20	40	45	40	28	32	58	39	40	41	5	8	11	11	15	20	10	13	6	8	58.2		
25-Apr-07	6	13	6	9	7	4	6	10	19	13	16	14	19	20	29	26	36	11	10	4	12	6	21	20	36.4		
26-Apr-07	14	10	9	5	5	5	7	9	15	24	17	15	15	14	16	15	10	13	15	11	9	9	8	8	24.2		
27-Apr-07	12	13	17	12	12	6	14	13	9	9	10	14	18	18	31	49	45	50	15	10	15	23	43	25	50.1		
28-Apr-07	25	14	9	10	9	10	35	37	14	10	11	12	13	14	11	12	10	9	8	8	6	6	12	8	37.1		
29-Apr-07	6	4	9	7	10	9	7	12	23	16	21	51	31	19	17	26	44	35	9	19	13	9	31	4	50.6		
30-Apr-07	5	4	4	4	5	8	28	20	11	23	23	23	28	35	41	42	28	17	22	17	11	39	29	38	29	41.6	

Hourly Max	48	43	41	43	57	51	45	42	52	47	58	73	46	54	57	75	56	50	61	54	63	41	43	59
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1-hr Average Wind Rose (in km/hr) Located at the Valleyview Site for April 2007



Calms: 0%

Frequency Distribution of Wind in km/hr Range			Frequency (hrs)
0.8	<	5	246
5	to	10	260
10	to	20	194
20	to	30	20
30	to	40	0
	>	40	0
Total Non-Zero Values			720

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for April 2007

PASZA					
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
Duplicates					
24a	Wembley	0.2	46.0	1.3	
24b	Wembley	0.2	41.7	1.3	
25a	Pinto Creek	0.2	40.3	1.0	
25b	Pinto Creek	0.2	44.1	1.0	
26a	Flyngshot	0.3	37.1	2.3	
26b	Flyngshot	0.3	36.0	2.3	
32a	Gold Creek	0.4	33.5	1.6	
32b	Gold Creek	0.4	31.3	1.6	
49a	Grande Prairie HP	0.4	37.8	6.1	
49b	Grande Prairie HP	0.4	39.2	5.9	
1	Silver Valley	0.3	47.0	0.9	08-27-081-11 W6M
2	Bay Tree	0.3	36.8	0.5	13-16-078-13 W6M
3	Forth Creek	0.3	42.7	0.4	04-13-082-07 W6M
4	Gordondale	0.4	43.6	0.8	04-34-078-10 W6M
5	Boone Creek	0.4	43.9	1.0	01-23-076-11 W6M
7	Steeprock Creek	0.3	44.3	0.7	09-35-072-13 W6M
9	Spirit River	0.3	42.6	0.9	08-12-079-07 W6M
10	Woking	0.4	39.2	0.6	01-13-076-07 W6M
11	Webber Creek	0.5	42.3	0.7	09-36-074-09 W6M
12	Hythe	0.3	42.8	1.5	14-36-072-11 W6M
14	Sylvester	0.2	39.2	0.9	08-06-069-12 W6M
16	Beaverlodge	0.3	40.3	1.6	15-36-071-10 W6M
17	Poplar	0.4	35.7	0.8	13-06-073-08 W6M
18	Saddle Hills	0.4	37.9	0.8	04-25-074-07 W6M
19	Wanham	0.5	40.3	0.5	16-22-077-03 W6M
20	Shaftesbury	0.3	36.2	0.4	04-03-082-23 W5M

Table 1. PASZA Passive Stations for April 2007 (Continued)

Station Number	Station Name	SO₂ ppb	O₃ ppb	NO₂ ppb	Site Legal
21	Eaglesham	0.3	40.8	0.5	16-21-079-25 W5M
23	Bear Lake	0.4	46.5	1.0	15-31-072-06 W6M
24	Wembley	0.2	43.8	1.3	12-31-070-08 W6M
25	Pinto Creek	0.2	42.2	1.0	04-24-069-11 W6M
26	Flyingshot	0.3	36.6	2.3	15-36-070-07 W6M
27	Grande Prairie I	0.4	34.8	5.8	08-15-071-06 W6M
28	Clairmont Lake	0.5	41.8	0.8	09-06-073-04 W6M
29	Smoky Heights	0.5	44.7	1.0	04-06-075-02 W6M
30	Fitzsimmons	0.3	40.4	0.9	15-36-072-03 W6M
32	Gold Creek	0.4	32.4	1.6	06-33-067-05 W6M
33	Wapiti	0.3	47.7	0.9	02-25-071-03 W6M
34	Puskwaskau	0.2	38.6	0.4	15-35-074-25 W5M
35	Jean Cote	0.3	41.9	0.5	12-35-079-21 W5M
36	Guy	0.3	39.5	0.6	03-04-076-22 W5M
37	Crooked Creek	0.3	37.2	0.8	16-01-071-26 W5M
38	Karr Creek	N/A	N/A	N/A	10-16-065-02 W6M
39	Clouston Creek	0.3	44.3	0.7	12-01-073-22 W5M
40	McLennan	0.4	41.4	0.8	03-29-077-19 W5M
41	Valleyview	0.4	44.0	0.7	09-30-069-22 W5M
42	Sunset House	0.3	35.9	0.6	05-32-070-19 W5M
43	High Prairie	0.2	40.5	0.8	16-13-074-17 W5M
44	Peavine	0.2	34.4	0.4	03-05-079-15 W5M
45	Gift Lake	0.2	33.4	0.4	10-07-079-12 W5M
46	Little Smoky	0.4	32.6	2.1	12-01-065-21 W5M
47	Kinuso	0.2	34.1	0.5	12-10-073-10 W5M
48	Deer Mountain	0.3	36.5	0.5	15-22-068-09 W5M
49	Grande Prairie HP	0.4	38.5	6.0	17-26-071-06 W6M

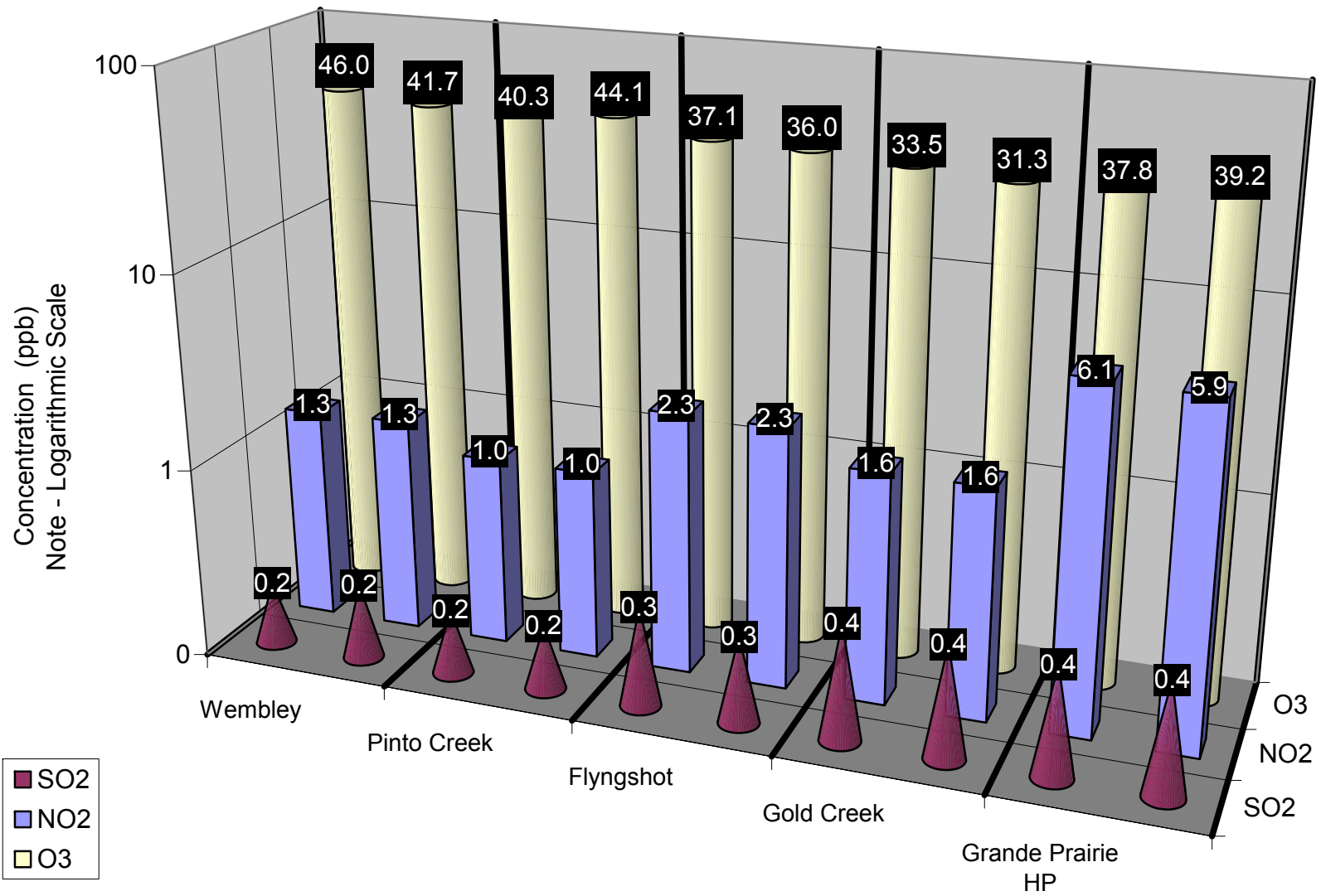


Figure 64. Duplicate Summary Chart

Table 2. Passive Summary Results for April 2007

Stats	Sulphur Dioxide SO ₂	Ozone O ₃	Nitrogen Dioxide NO ₂
	ppb	ppb	ppb
Passive Summary for April 2007 (PASZA Zone)			
Mean	0.3	40.0	1.1
Standard Deviation	0.1	4.0	1.2
Minimum	0.2	32.4	0.4
Minimum At	Gift Lake (#45)	Gold Creek (#32)	Forth Creek (#3)
Maximum	0.5	47.7	6.0
Maximum At	Smoky Heights (#29)	Wapiti (#33)	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	40.6	3.4
PASZA Beaverlodge passive	0.3	40.3	1.6
Comparison between Continuous and Passive monitoring at Henry Pirker (passive #49 Grande Prairie HP)			
	SO ₂	O ₃	NO ₂
PASZA Henry Pirker station	0.4	30.3	9.5
PASZA Grande Prairie passive	0.4	38.5	6.0

PASZA Passive SO₂ Stations - April 2007
Average Concentrations in ppb

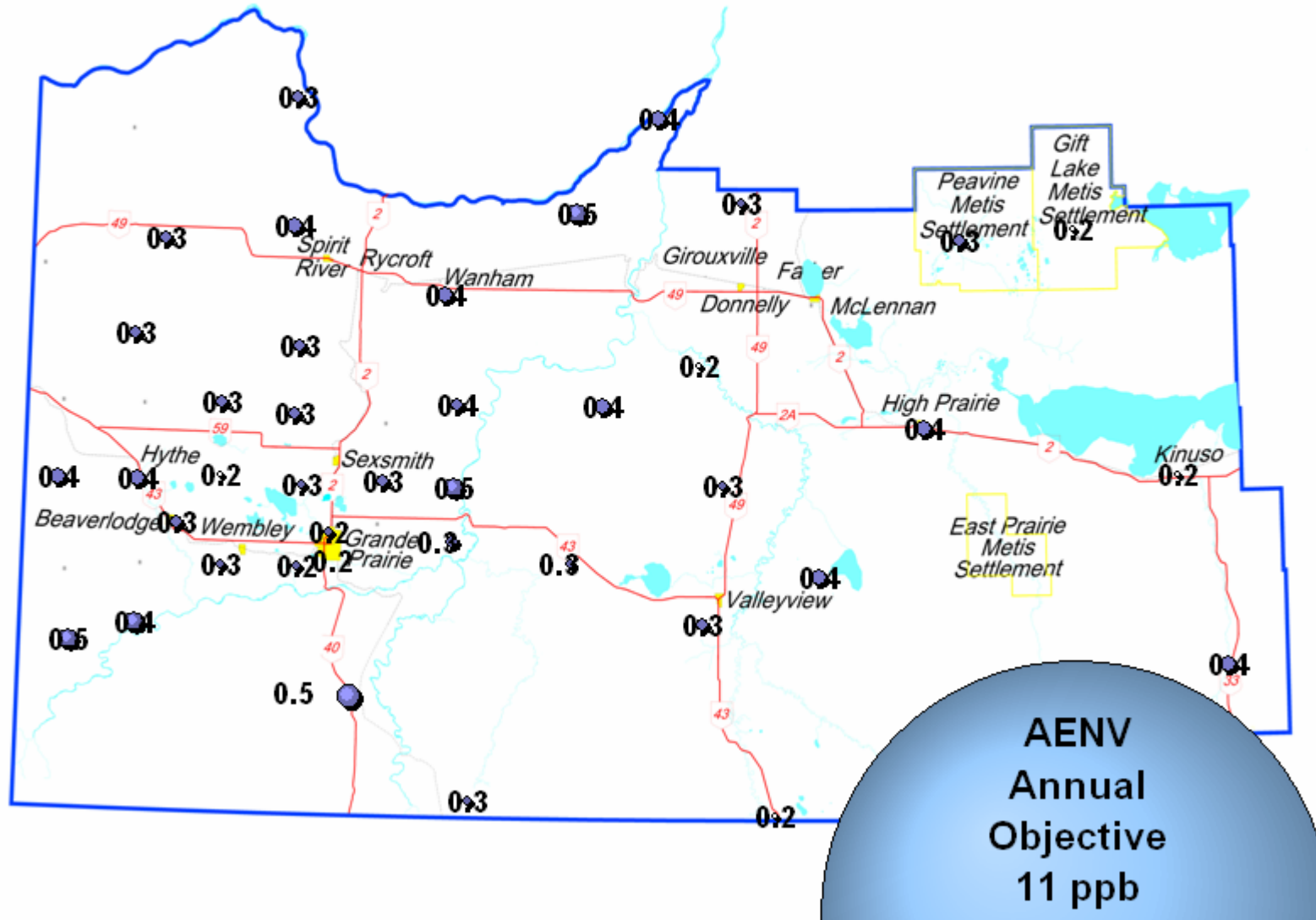


Figure 65. SO₂ Bubble Chart

Alberta Ambient Air Quality Objective - Annual SO₂ Objective is 11 ppb

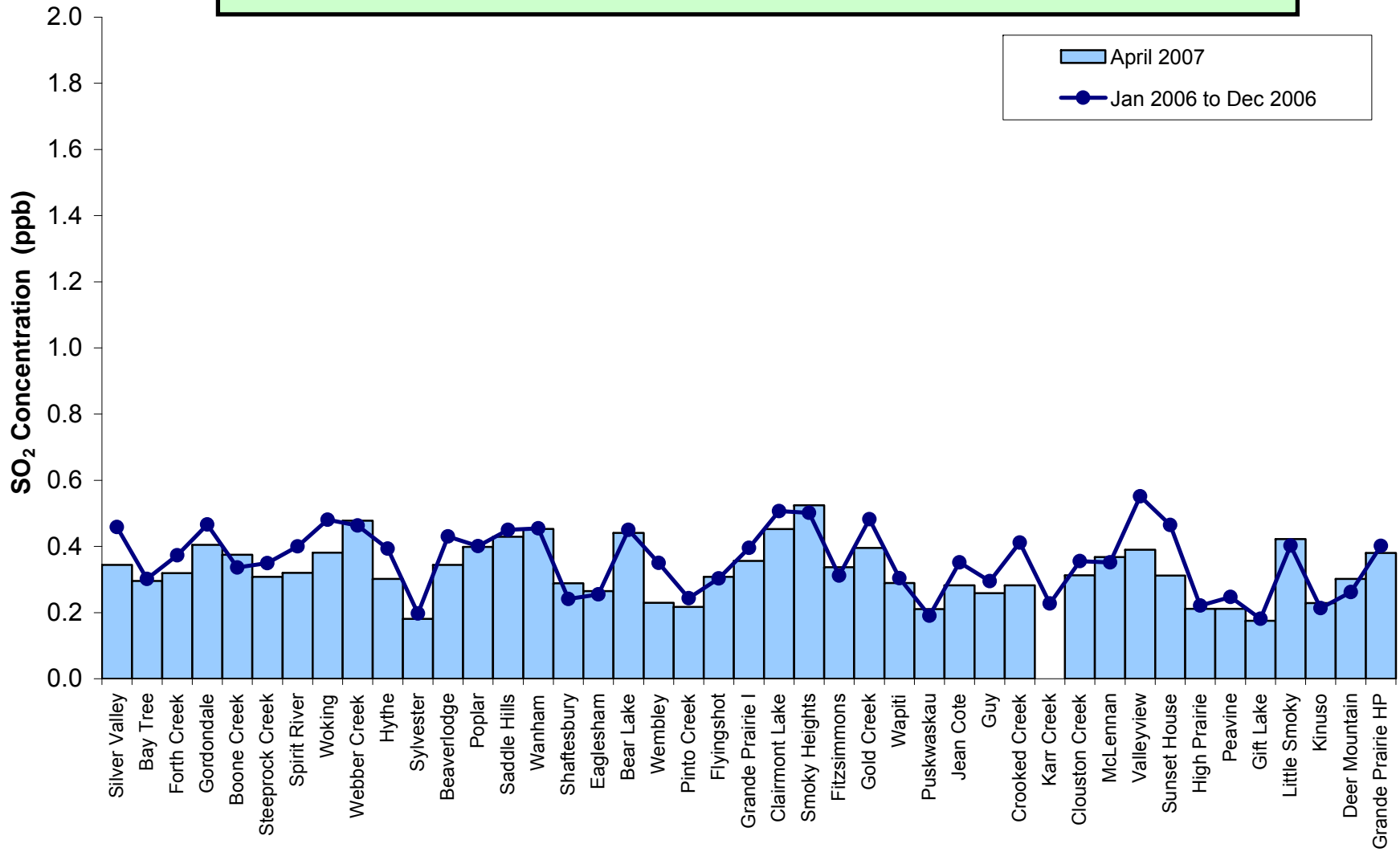


Figure 66. SO₂ Summary Chart

PASZA Passive O₃ Stations - April 2007
Average Concentrations in ppb

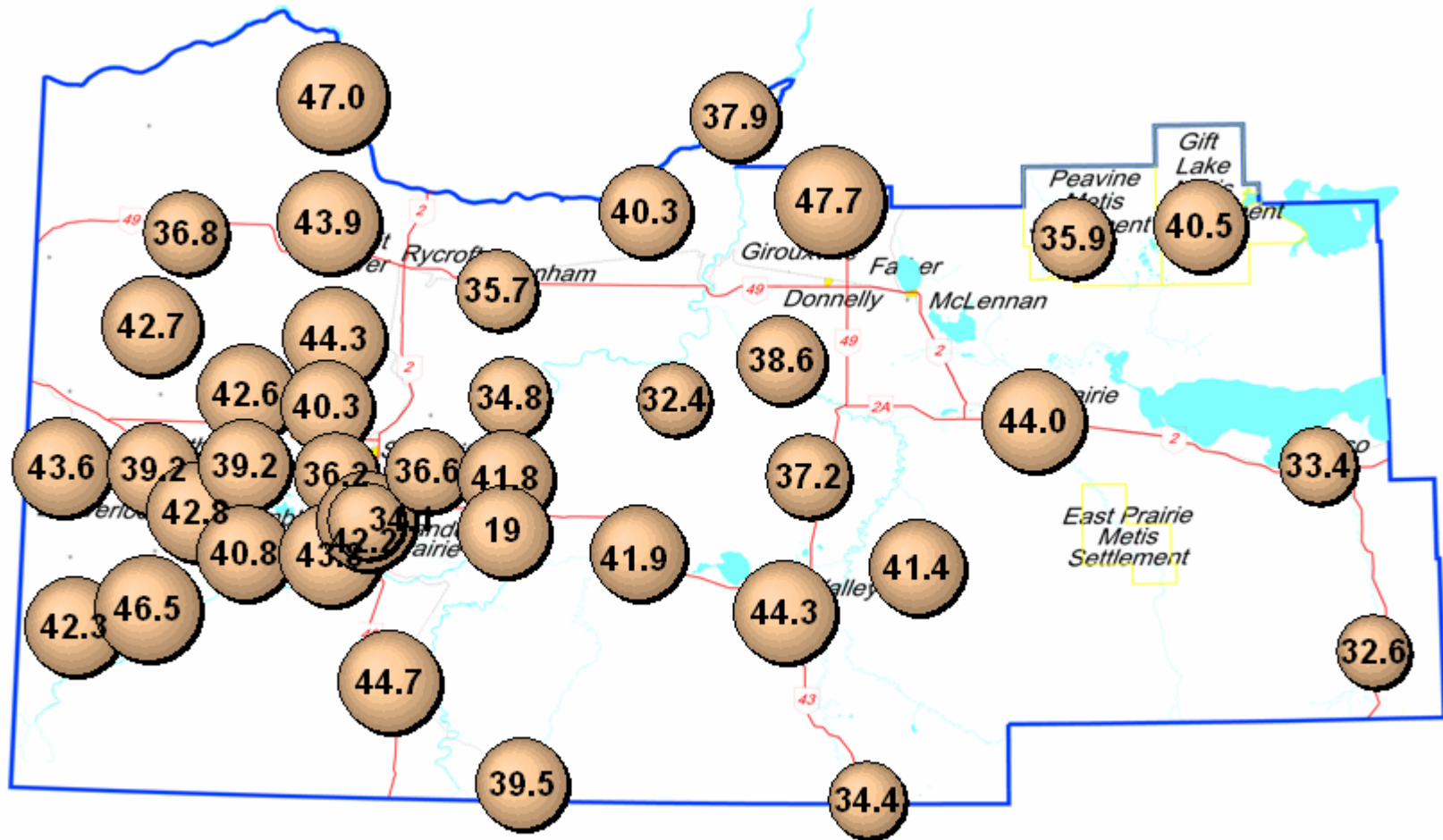


Figure 67. O₃ Bubble Chart

Alberta Ambient Air Quality Objective - No Annual O₃ Objective

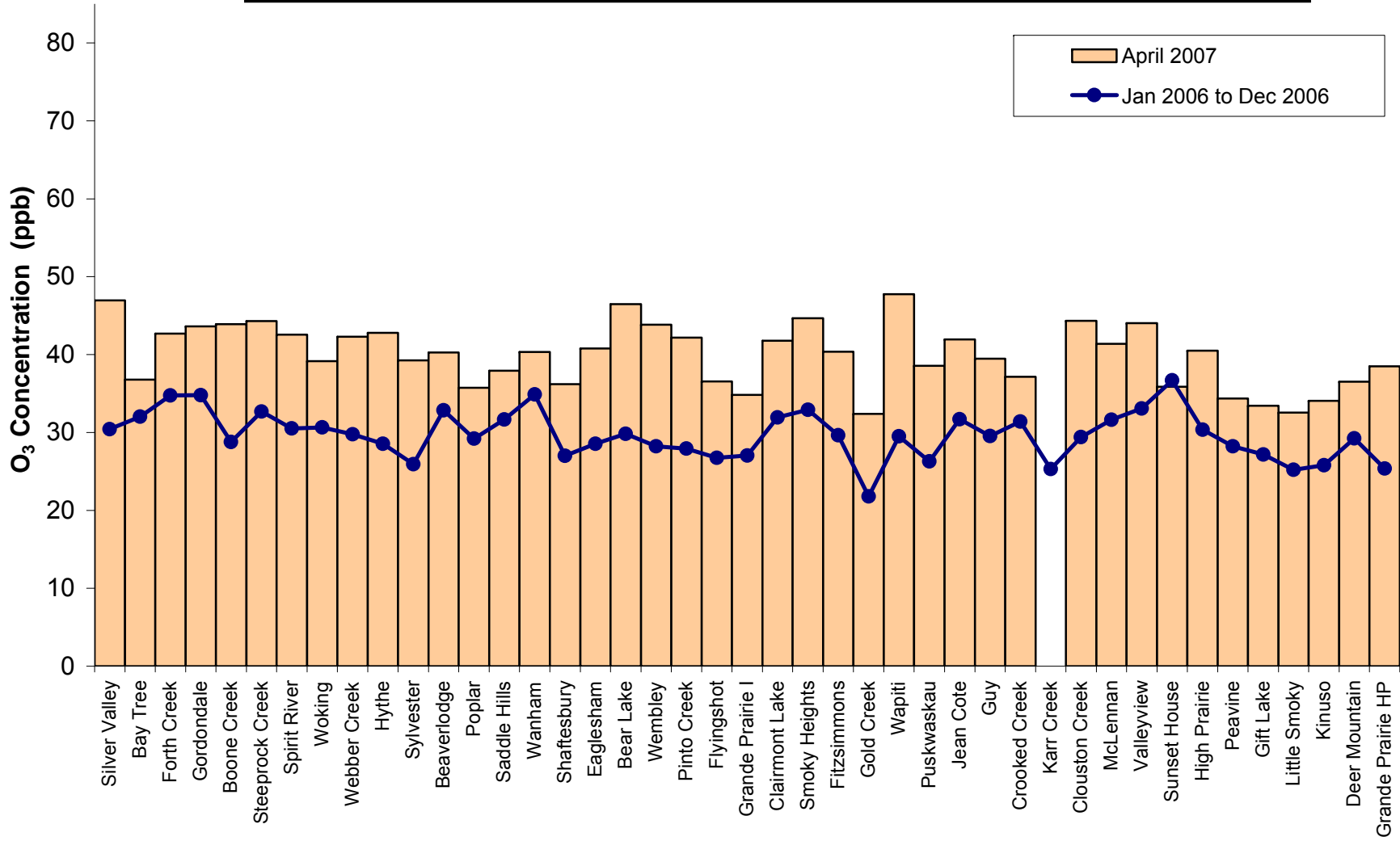


Figure 68. O₃ Summary Chart

PASZA Passive NO₂ Stations - April 2007 Average Concentrations in ppb

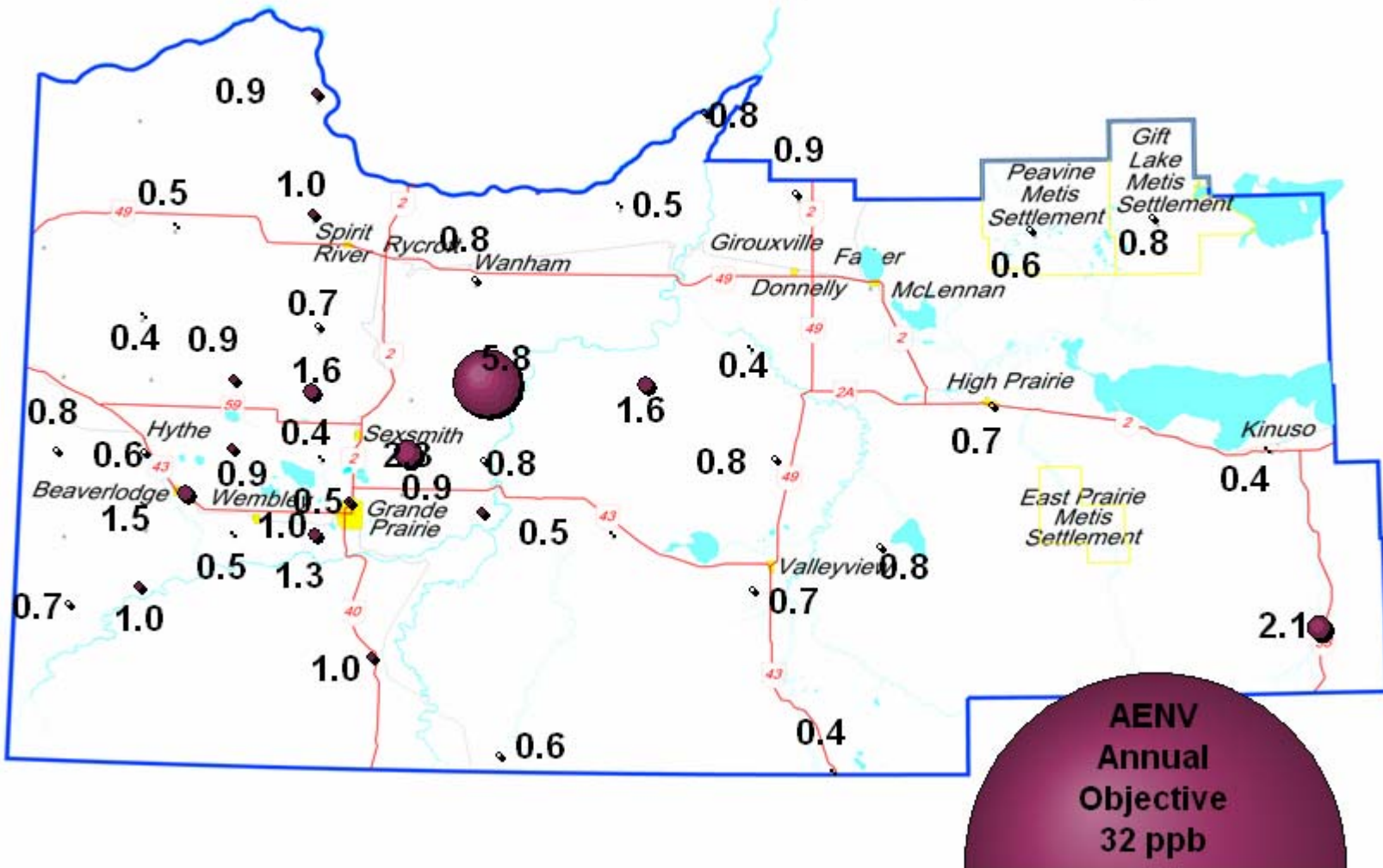


Figure 69. NO₂ Bubble Chart

Alberta Ambient Air Quality Objective - Annual NO₂ Objective is 32 ppb

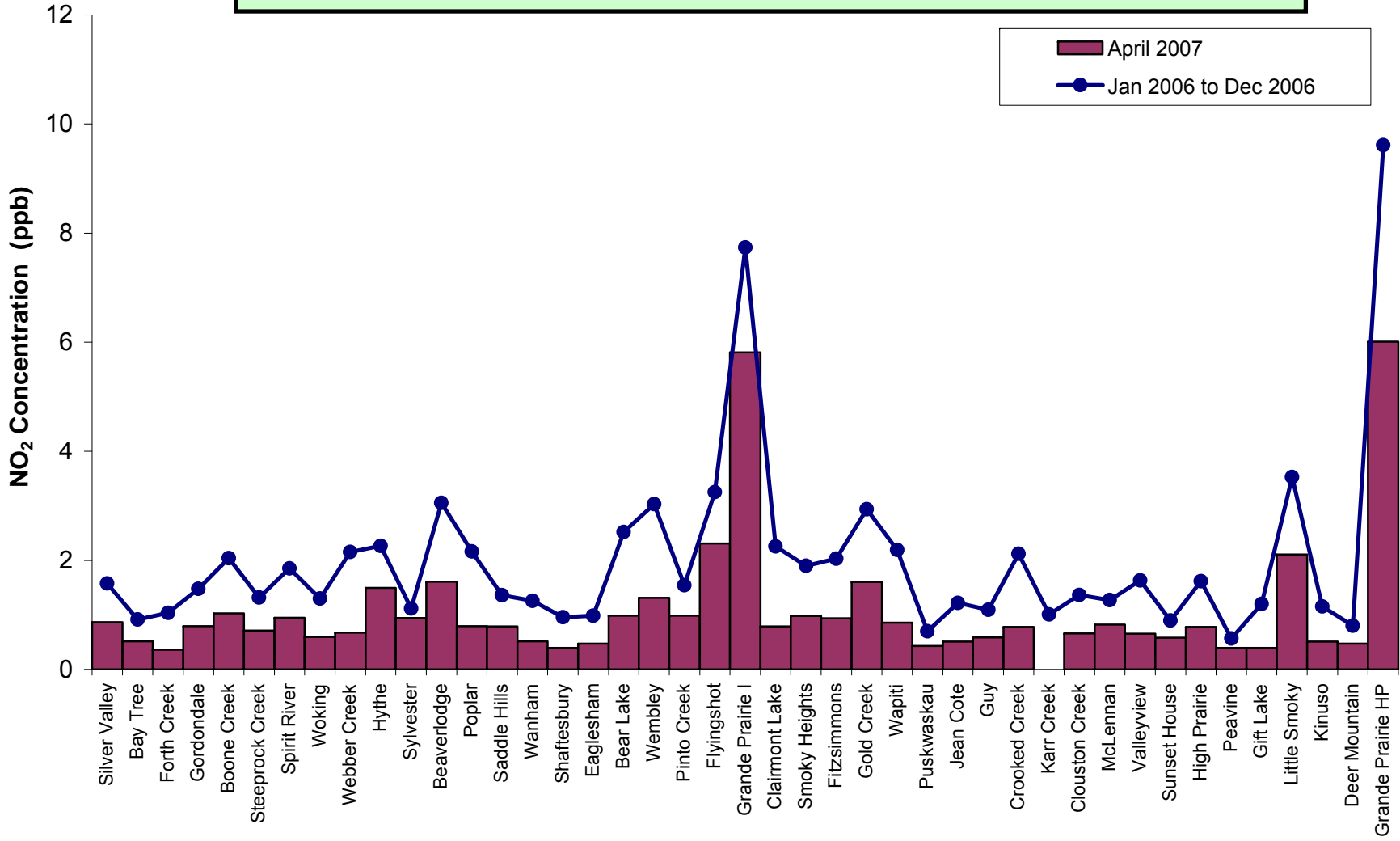


Figure 70. NO₂ Summary Chart

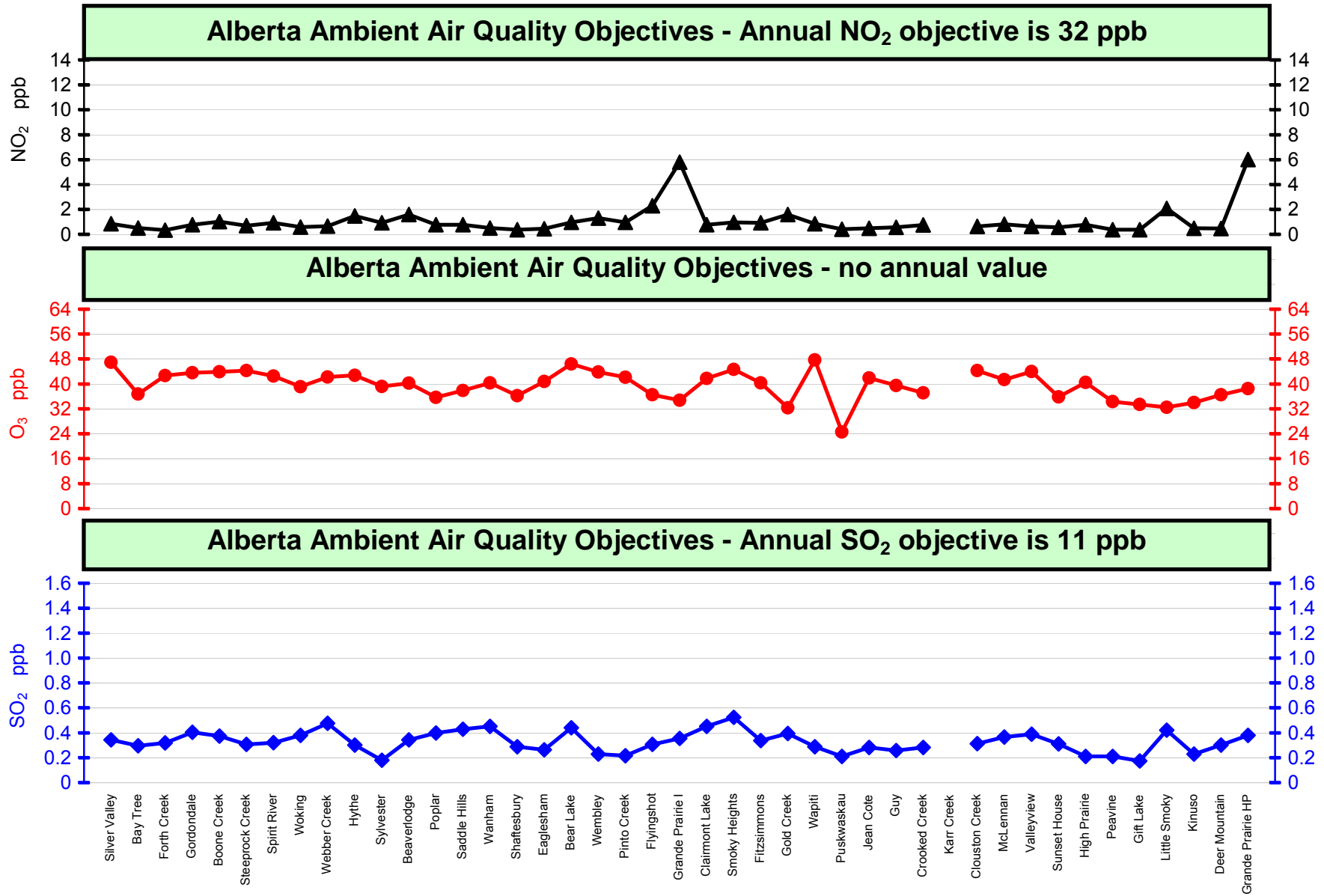


Figure 71. Overview Summary

April 2007 Calibration Reports

PASZA - Henry Pirker Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, CO, THC, TRS

PASZA – Evergreen Park Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PASZA – Smoky Heights Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PASZA – Beaverlodge Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, PM_{2.5}

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

SO₂, TRS, O₃

PASZA – Valleyview Station with the following calibrations:

SO₂, H₂S

Calibration ReportParameter SO₂Air Monitoring Network PASZA**Station Information**

Calibration Date	April 12, 2007	Previous Calibration	March 19, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	10:14	End Time (MST)	13:58
Barometric Pressure	27.4 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.932763	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	1.001463	Calculated slope	1.006116
Calculated intercept	-0.781734	Calculated intercept	-0.372494
Analyzer make	TEI Model 43A	Analyzer serial #	43A-21120-195

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
SO ₂ zero pot	172		172	
SO ₂ span pot	209		108	
UV Lamp voltage	955	V	953	V
Vacuum	22.8	" Hg	22	" Hg
Sample Flow	430	ccm	420	ccm

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2359.9	0.0	0.1	N/A
2530	2359.9	314.8	313.3	1.0048
5000	4663.8	159.3	158.1	1.0071
9100	8488.1	87.5	88.1	0.9932
zero	2359.9	0.0	0.0	As Found Zero
2530	2359.9	314.8	331.1	As Found Span
Average Correction Factor				1.0017

Calculated value of As Found Response: 330.746 ppm Percent Change of As Found: -5.1%

	before calibration		after calibration	
Auto zero	-0.8	ppm	-0.5	ppm
Auto span	285.0	ppm	269.1	ppm

Notes: Adjusted zero spanCalibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

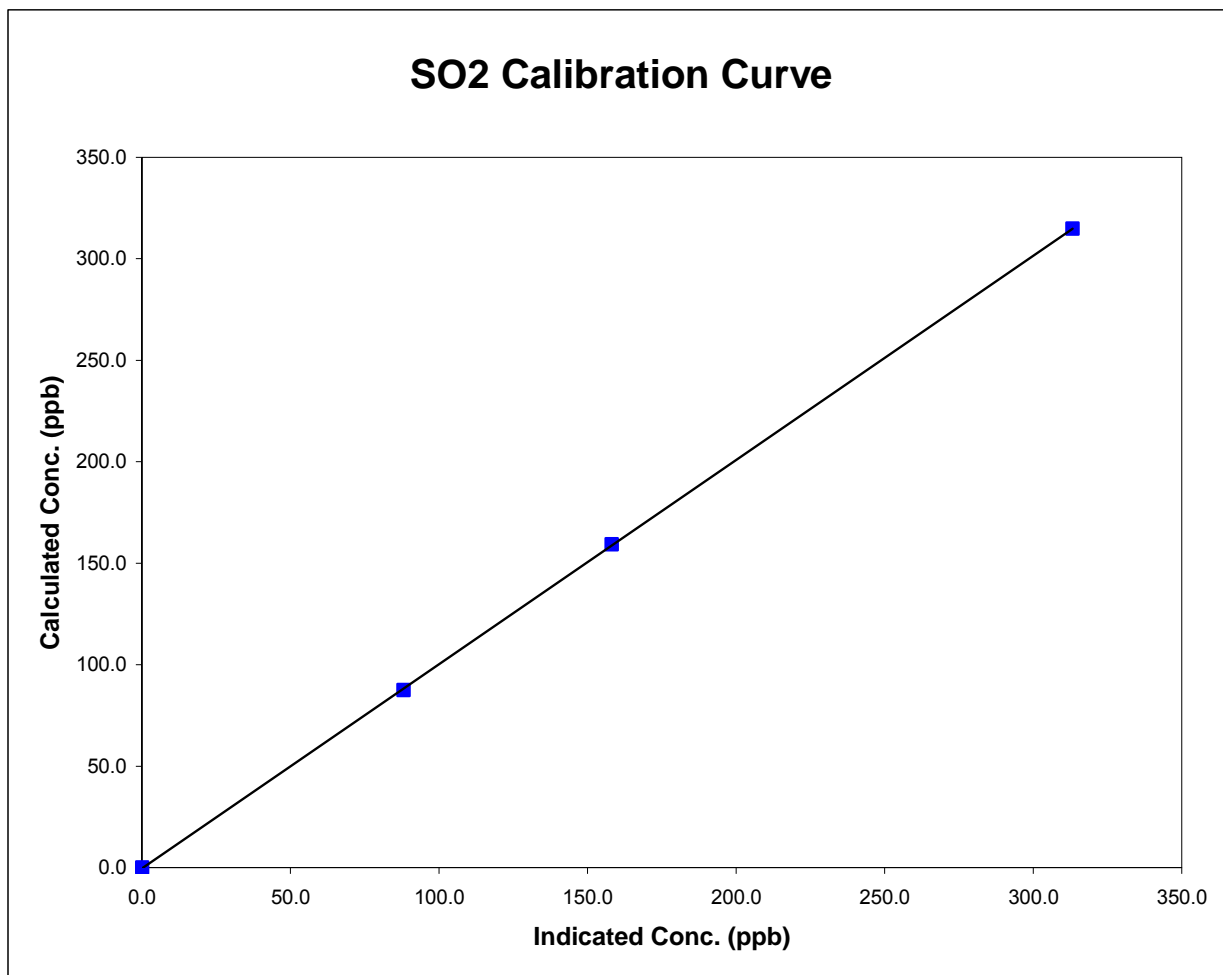


Station Information

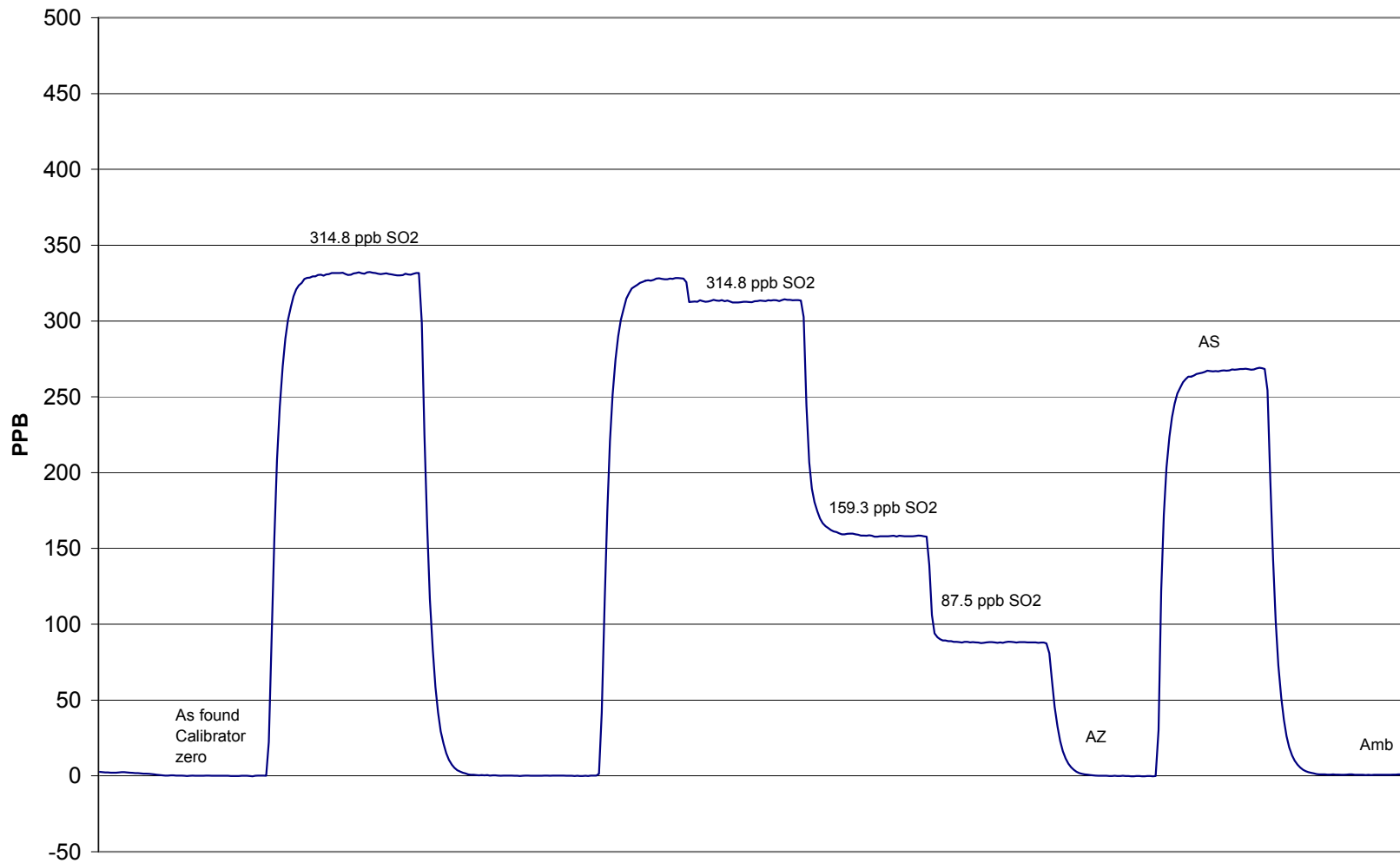
Calibration Date	April 12, 2007	Previous Calibration	March 19, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Start Time (MST)	10:14	End Time (MST)	13:58
Analyzer make/model	TEI Model 43A	Analyzer serial #	43A-21120-195

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
314.8	313.3	1.0048	Correlation Coefficient	0.999982
159.3	158.1	1.0071		
87.5	88.1	0.9932	Slope	1.006116
			Intercept	-0.372494



SO2 Calibration



April 12, 2007

Calibration Report

Parameter **NOx-NO-NO₂**
 Air Monitoring Network **PASZA**

**Station Information**

Calibration Date April 13, 2007 Previous Calibration March 19, 2007
 Station Number 1 Station Location Muskoseepi Park - Henry Pirker

Reason: Routine Installation Removal Other: _____

Start Time (MST) 9:00 End Time (MST) 12:33
 Barometric Pressure 0.920 Atm Station Temperature 20.0 Deg C
 Calibrator EnviroNics 6103 Serial Number 2844
 NO Cal Gas Conc 49.5 ppm Cal Gas Expiry Date 2-Jan-09
 NOx Cal Gas Conc 49.6 ppm Cal Gas Serial # FF-5013

DACS Information

DACS make FOCUS AP1000 DACS serial No. 45269

Parameter		NO2	NOx	NO
Before	Data Slope	0.9931	0.9994	0.9947
	Data Offset	0.8670	0.1057	0.5497
After	Data Slope	1.006041	1.005868	1.001590
	Data Offset	0.003759	-2.618832	-2.077511
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42C Analyzer serial # 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	9.6	ppb	9.2	mV
NOx background	9.6	ppb	9.4	mV
NO coefficient	0.883		0.845	
NOx coefficient	0.965		0.995	
Chamber Temp	49.7	Deg C	49.7	Deg C
Cooler Temp	-2.4	Deg C	-2.4	Deg C
Converter Temp	318.0	Deg C	319.0	Deg C
Vacuum	195.0	mm Hg	193.4	mm Hg

Notes: Adjusted span.

Calibration Report

Parameter **NO_x-NO-NO₂**
 Air Monitoring Network **PASZA**



Station Information

Calibration Date: **April 13, 2007** Station Location: **Muskoseepi Park - Henry Pirker**

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	
zero	4992	0.00	0.0	0.0	0.0	0.6	0.0	0.5	N/A	N/A	
1	4992	39.93	393.6	392.8	0.8	392.6	392.9	-0.2	1.0025	0.9998	
2	4992	19.91	197.0	196.7	0.4	200.1	200.2	-0.1	0.9845	0.9822	
3	4992	10.00	99.2	99.0	0.2	102.9	102.5	0.3	0.9640	0.9652	
AFZ	4992	0.00	0.0	0.0	0.0	0.6	0.0	0.5	0.0000	0.0000	
AFS	4992	39.93	393.6	392.8	0.8	398.9	411.9	-11.5	0.9868	0.9537	
									Average Correction Factor	0.9837	0.9824

As Found Concentrations: **NO_x= 398.4** **NO= 412.4** As Found Percent Change **NO_x= 1.2%** **NO= 5.0%**

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

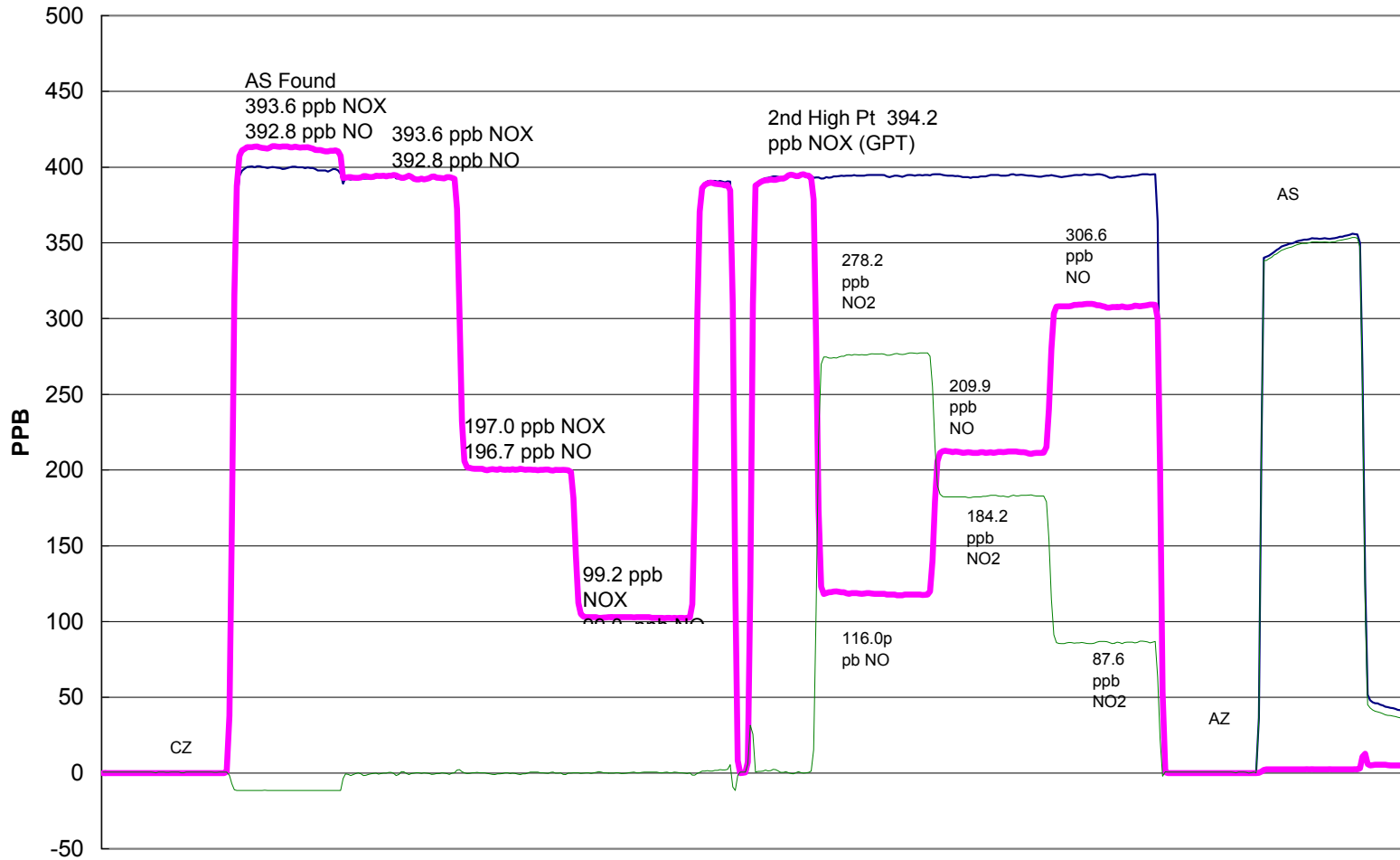
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	394.2	387.4	6.8	390.5	388.8	1.7	1.0093	0.9962	N/A	N/A	
300	394.2	116.0	278.2	394.5	117.9	276.8	0.9992	0.9840	1.0051	99.5%	
200	394.2	209.9	184.2	394.5	211.7	183.0	0.9990	0.9918	1.0066	99.3%	
100	394.2	306.6	87.6	394.4	308.1	86.4	0.9995	0.9948	1.0139	98.6%	
							Average Correction Factor	0.9992	0.9902	1.0085	99.2%

AIC Data

Parameter	Previous calibration				Current calibration			
	NO _x	NO ₂	NO		NO _x	NO ₂	NO	
Auto zero	0.9	1.0	1.0	ppb	1.1	1.4	1.0	ppb
Auto span	351.7	353.3	-0.1	ppb	353.0	353.3	0.4	ppb

Calibration Performed By: Dawn Ewan

NO_x NO NO₂ Calibration



Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

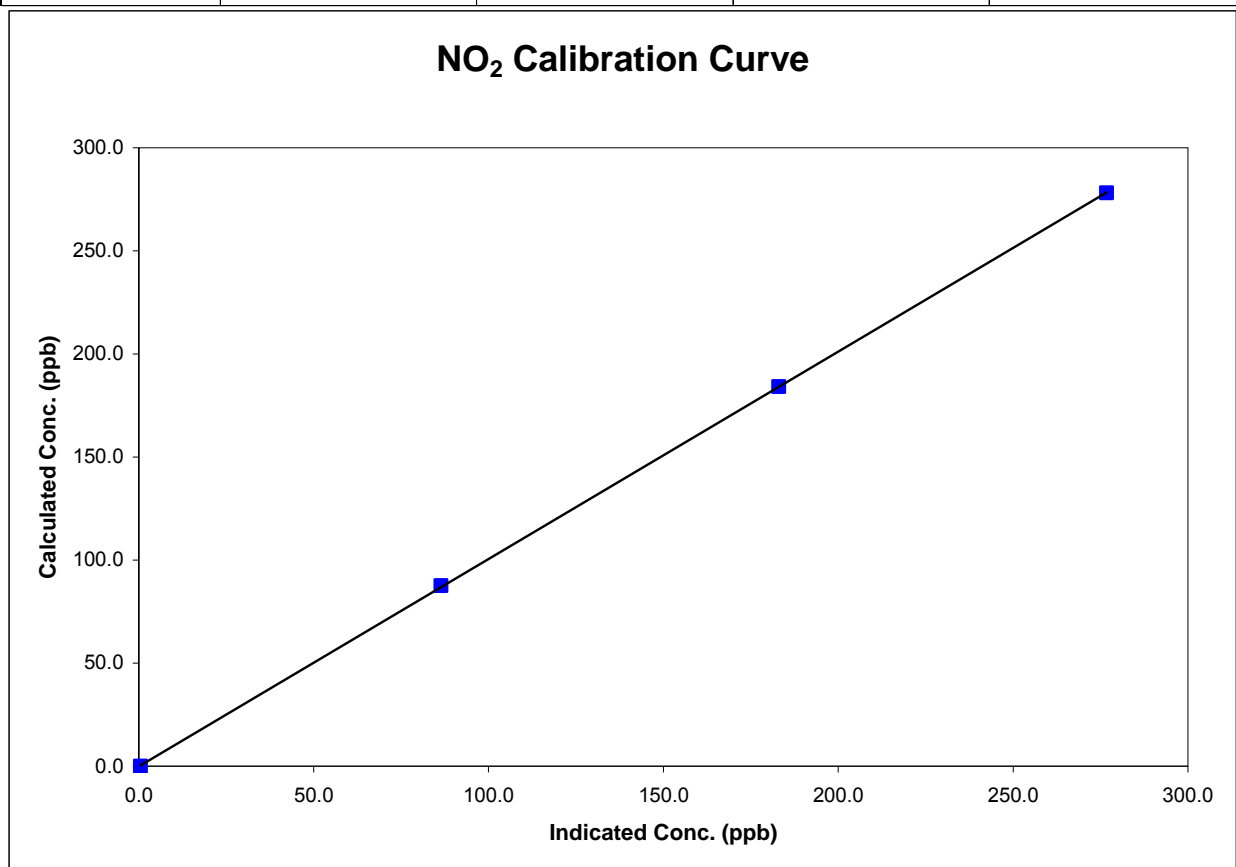


Station Information

Calibration Date	April 13, 2007	Previous Calibration	March 19, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	0.0000	Correlation Coefficient	0.999982
278.2	276.8	1.0051		
184.2	183.0	1.0066	Slope	1.006041
87.6	86.4	1.0139		
			Intercept	0.003759



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

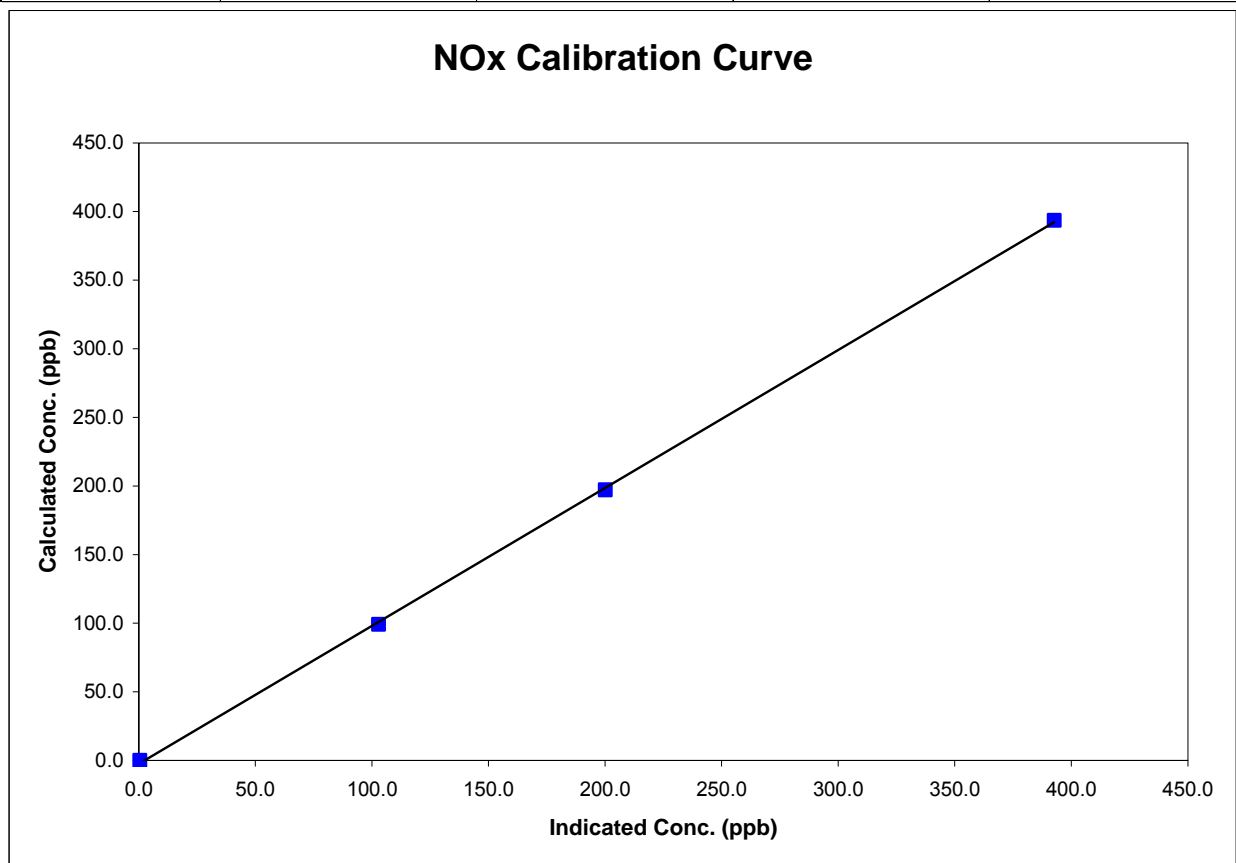


Station Information

Calibration Date	April 13, 2007	Previous Calibration	March 19, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.6	0.0000	Correlation Coefficient	0.999865
393.6	392.6	1.0025		
197.0	200.1	0.9845	Slope	1.005868
99.2	102.9	0.9640		
			Intercept	-2.618832



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

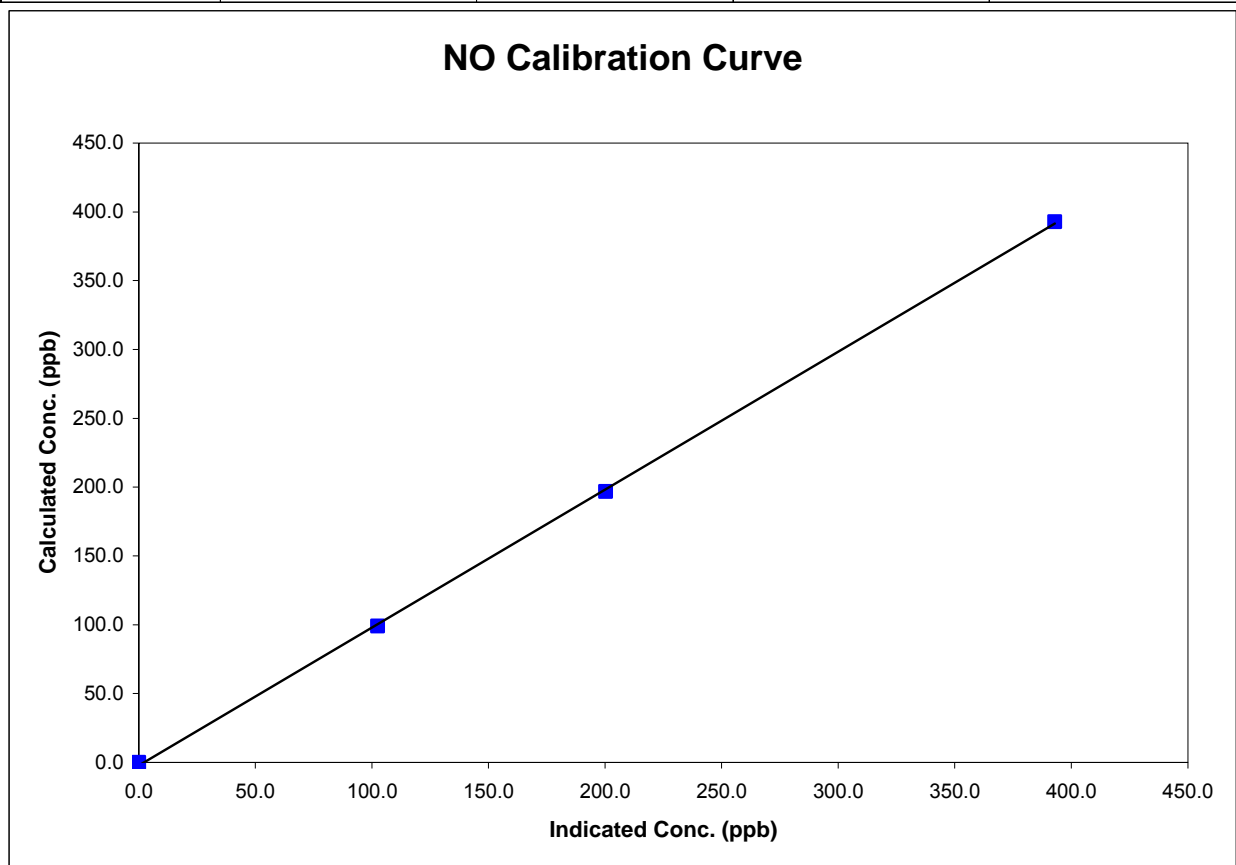


Station Information

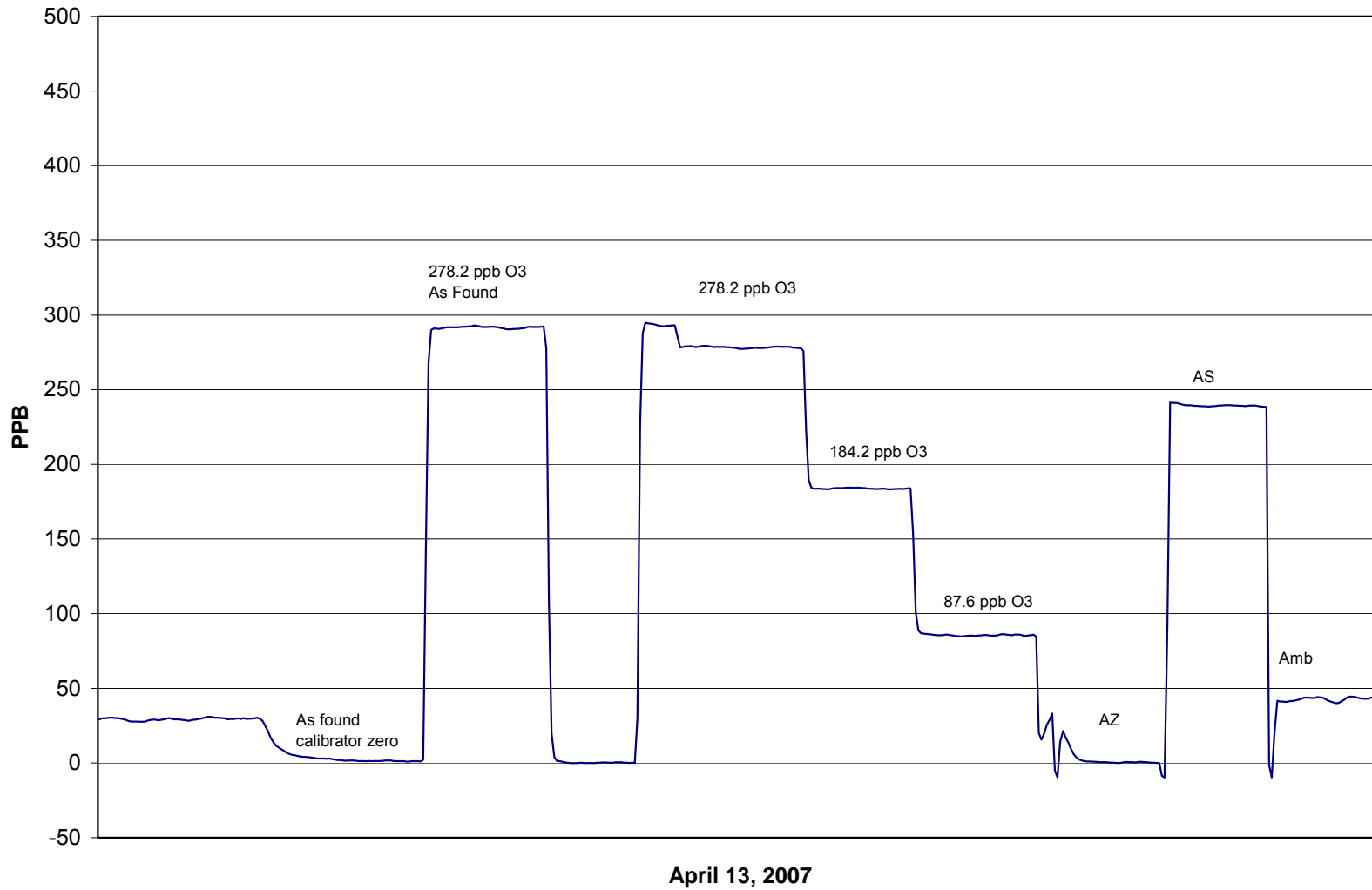
Calibration Date	April 13, 2007	Previous Calibration	March 19, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A	Correlation Coefficient	0.999854
392.8	392.9	0.9998		
196.7	200.2	0.9822		
99.0	102.5	0.9652	Slope	1.001590
			Intercept	-2.077511



O3 Calibration



Calibration ReportParameter COAir Monitoring Network PASZA**Station Information**

Calibration Date	April 12, 2007	Previous Calibration	March 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="text"/>
Start Time (MST)	9:10	End Time (MST)	13:02
Barometric Pressure	0.920 ATM	Station Temperature	20.0 Deg C
Calibrator	Envionics 6103	Serial Number	2488
Cal Gas Conc	3000 ppm	Cal Gas Expiry Date	AUG 28/05
		Cal Gas Cylinder #	AAL20565
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.005907	Calculated slope	1.005089
Calculated intercept	-0.084588	Calculated intercept	-0.137645
Analyzer make	TEI Model 48C	Analyzer serial #	508011062

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.057		1.57	
CO zero setting	9.458		9.750	
Sample pressure	673.5	mm Hg	682	mm Hg
Sample Flow	1.082	LPM	1.091	LPM

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4994	0.00	0.00	0.03	N/A
4994	39.94	23.80	23.75	1.0021
4994	19.91	11.91	12.07	0.9866
4994	10.00	6.00	6.19	0.9683
4994	0.00	0.00	0.39	As Found Zero
4994	39.94	23.80	24.42	As Found Span
Average Correction Factor				0.9857

Calculated value of As Found Response: 24.090 ppm Percent Change of As Found: -1.2%

	before calibration		after calibration	
Auto zero	-0.05	ppm	-0.07	ppm
Auto span	21.46	ppm	19.63	ppm

Notes: Adjusted zero and span.Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter CO
 Air Monitoring Network PASZA

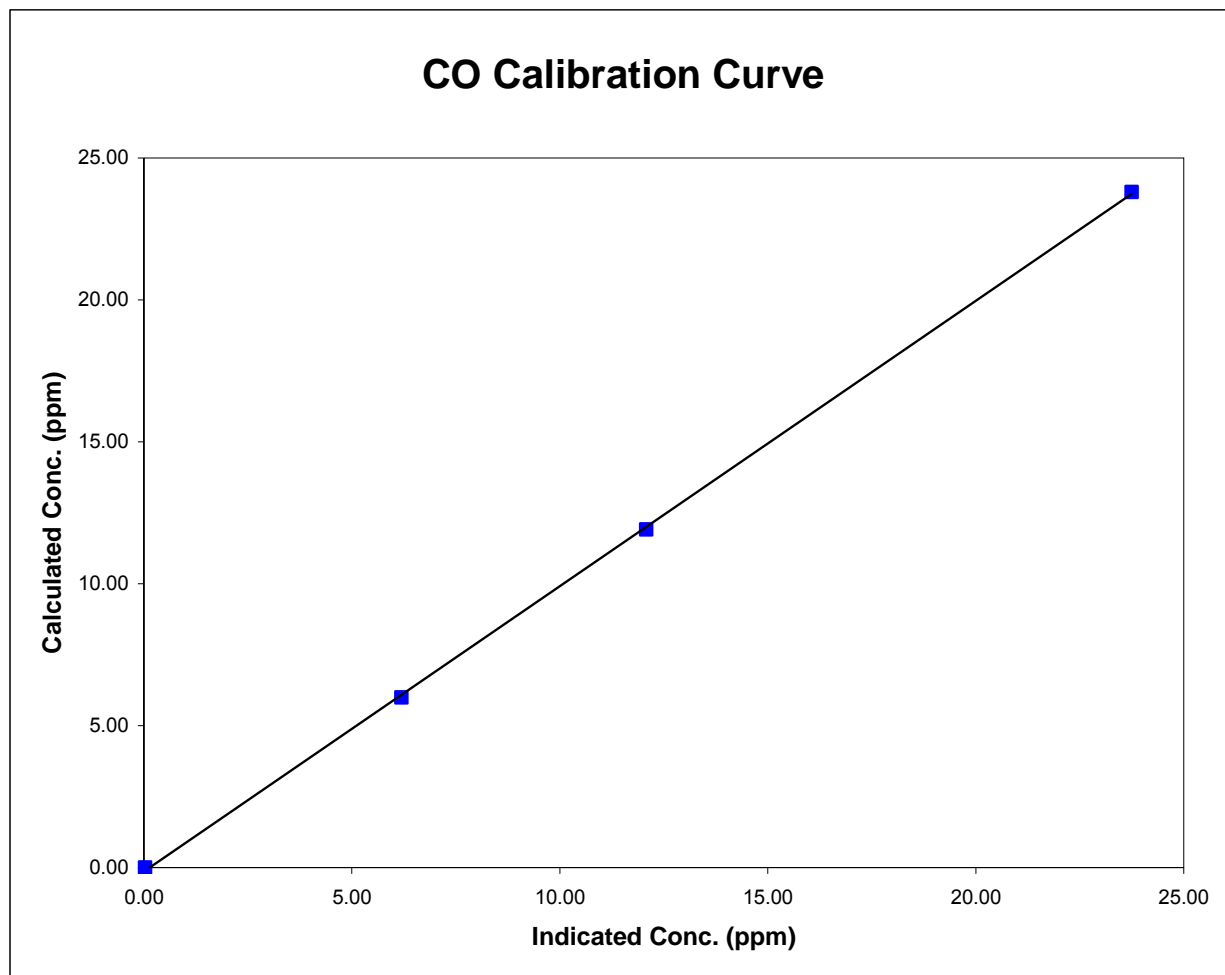


Station Information

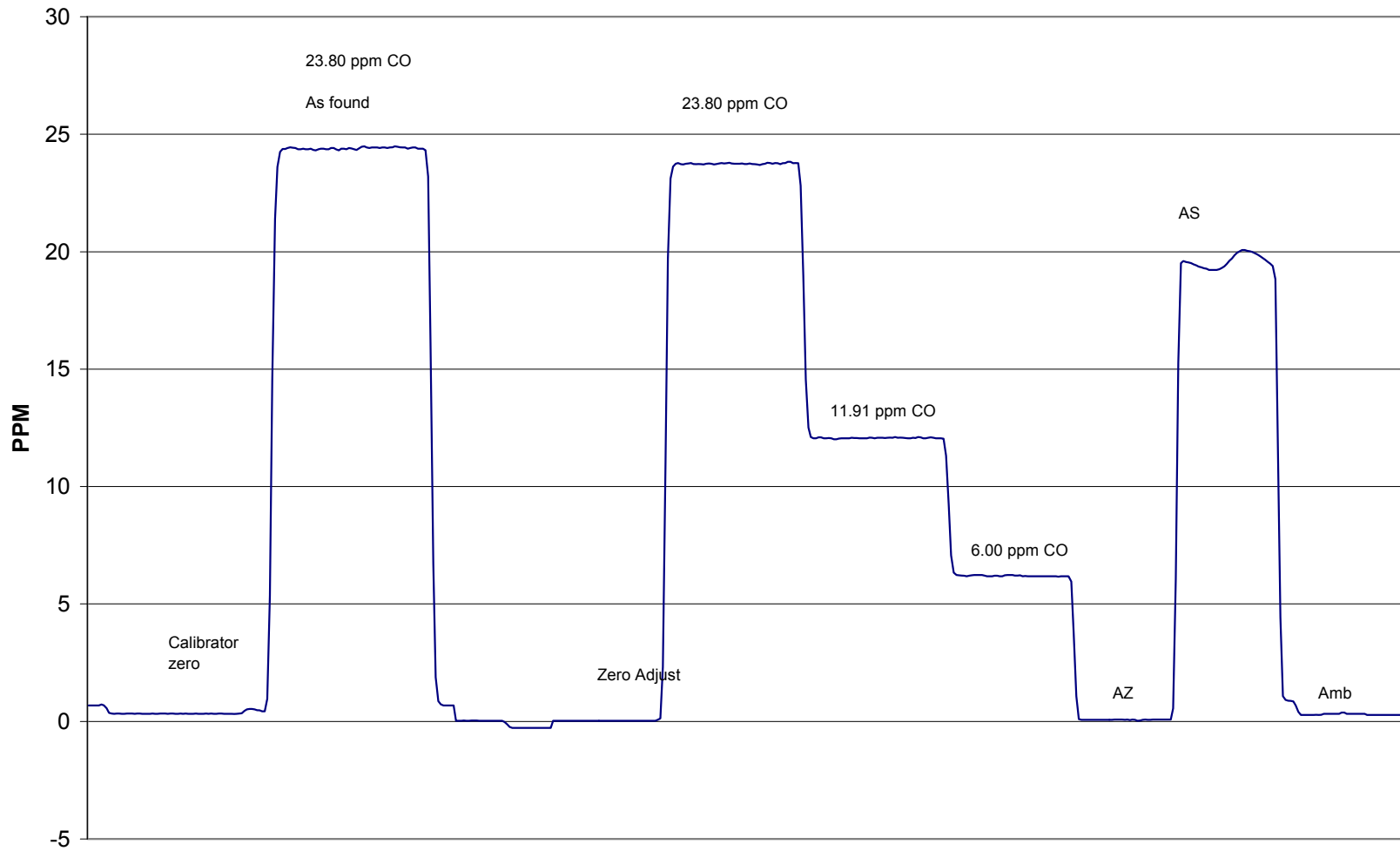
Calibration Date	April 12, 2007	Previous Calibration	March 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Start Time (MST)	9:10	End Time (MST)	13:02
Analyzer make/model	TEI Model 48C	Analyzer serial #	508011062

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.029	N/A		
23.802	23.752	1.0021	Correlation Coefficient	0.999897
11.913	12.074	0.9866		
5.995	6.192	0.9683	Slope	1.005089
			Intercept	-0.137645



CO Calibration



April 12, 2007

Calibration Report

Parameter THC
 Air Monitoring Network PASZA

**Station Information**

Calibration Date	April 10, 2007	Previous Calibration	March 21, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	11:17	End Time (MST)	14:14
Barometric Pressure	0.935 ATM	Station Temperature	20.0 Deg C
Calibrator	Envionics 6103	Serial Number	2844
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.001814	Calculated slope	1.004166
Calculated intercept	-0.020299	Calculated intercept	-0.047525
Analyzer make	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
THC sample pressure	6.1	psi	6.1	psi
THC span counts	6852	capture	7246	capture
THC zero counts	1279	capture	432	capture

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.00	0.01	N/A
4992	64.92	19.54	19.51	1.0014
4992	39.95	12.08	12.06	1.0024
4993	9.95	3.03	3.12	0.9699
4992	0.00	0.00	-0.10	As Found Zero
4992	64.92	19.54	19.34	As Found Span
Average Correction Factor				0.9912

Calculated value of As Found Response: 19.451 ppm Percent Change of As Found: 0.5%

	before calibration		after calibration	
Auto zero	-0.11	ppm	-0.04	ppm
Auto span	21.70	ppm	22.95	ppm

Notes: Change h2 cylinder

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter THC
 Air Monitoring Network PASZA

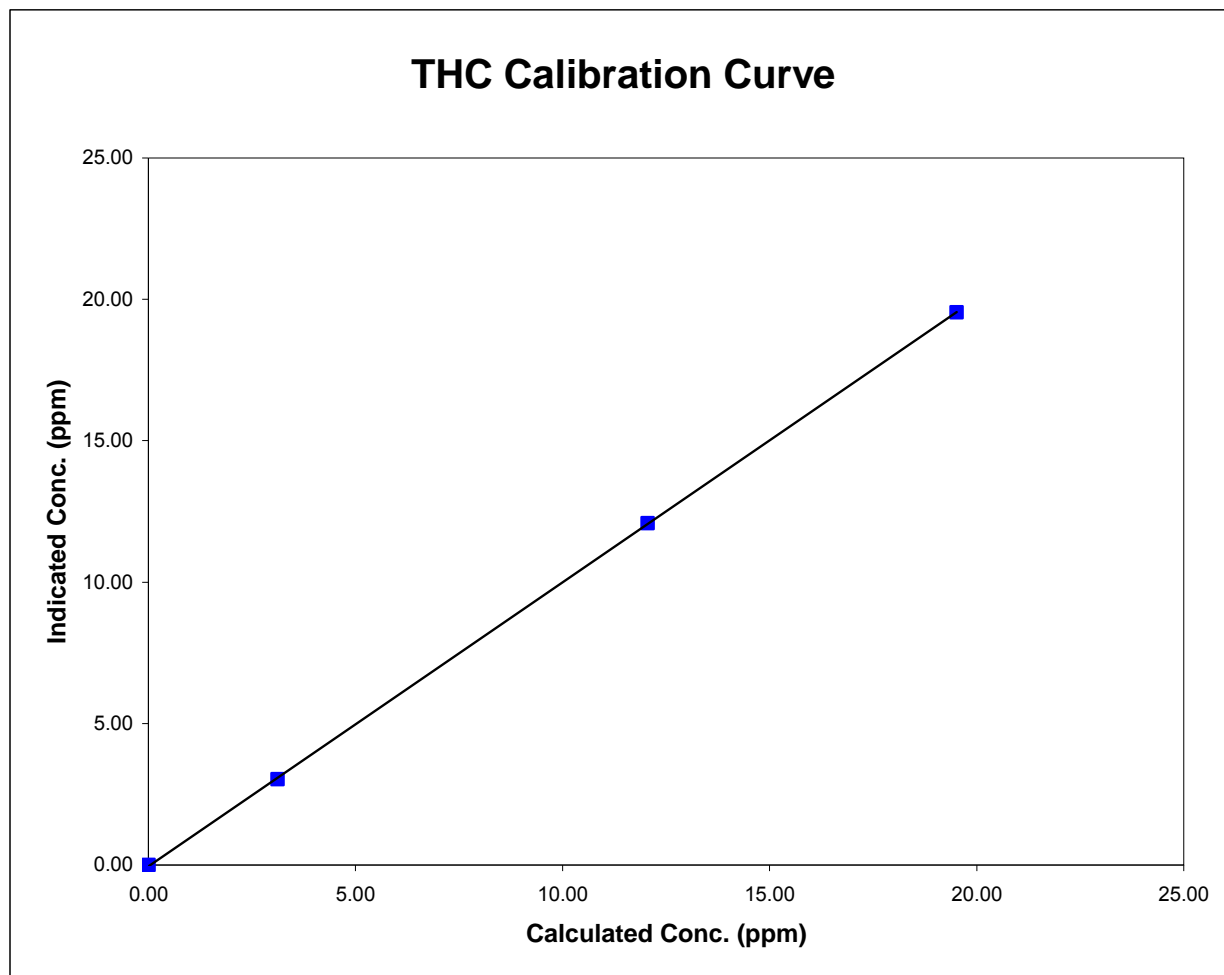


Station Information

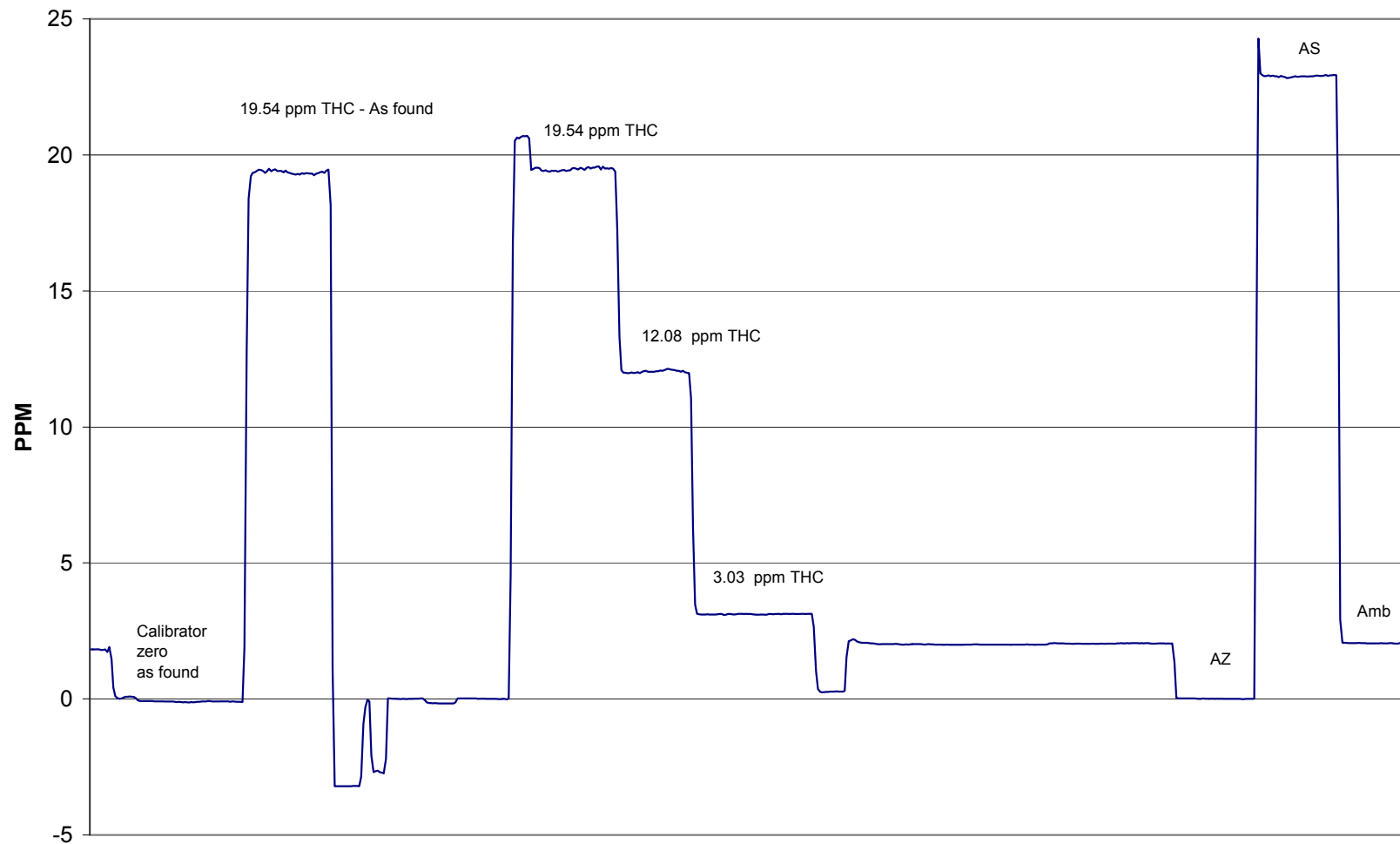
Calibration Date	April 10, 2007	Previous Calibration	March 21, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
Start Time (MST)	11:17	End Time (MST)	14:14
Analyzer make/model	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.007	N/A		
19.542	19.514	1.0014	Correlation Coefficient	0.999975
12.084	12.056	1.0024		
3.027	3.121	0.9699	Slope	1.004166
			Intercept	-0.047525

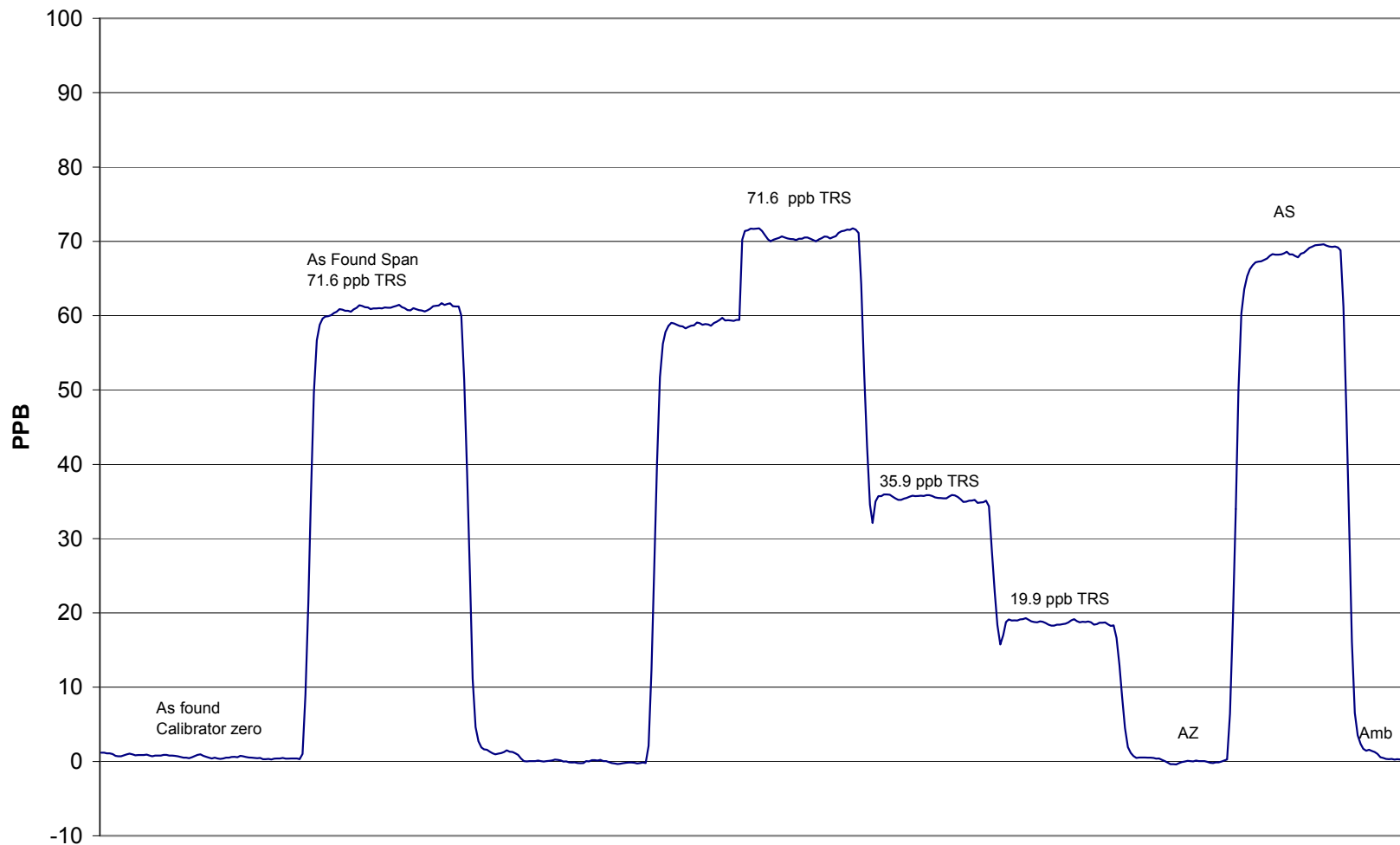


THC Calibration



April 10, 2007

TRS Calibration



April 12, 2007

Calibration ReportParameter SO₂Air Monitoring Network PASZA**Station Information**

Calibration Date	April 16, 2007	Previous Calibration	March 14, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	11:35	End Time (MST)	14:02
Barometric Pressure	27.2 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.924604	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	52620
DACS voltage range	0 - 10 volt	DACS channel #	6
	Before		After
Calculated slope	0.995461	Calculated slope	0.989055
Calculated intercept	0.640658	Calculated intercept	1.422007
Analyzer make	Teco 43i	Analyzer serial #	701120008

	before		after	
Concentration range	1000	ppb	1000	ppb
Background	8.1		8.1	
coefficient	0.898		0.898	
Lamp Voltage	876	volts	843	volts
Chamber Temp	45.3	Deg C	45.2	Deg C
Perm Gas Temp	45	Deg C	44.99	Deg C
Pressure	659.5	mm Hg	664.7	mm Hg
Sample Flow	445	ccm	447	ccm
Lamp Intensity	89	%	89	%

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	2325.4	0.0	0.5	N/A
2515	2325.4	319.4	322.5	0.9904
5025	4646.1	159.9	159.3	1.0038
9040	8358.4	88.9	86.4	1.0285
zero	2325.4	0.0	0.5	As Found Zero
2515	2325.4	319.4	334.0	As Found Span
Average Correction Factor				1.0076

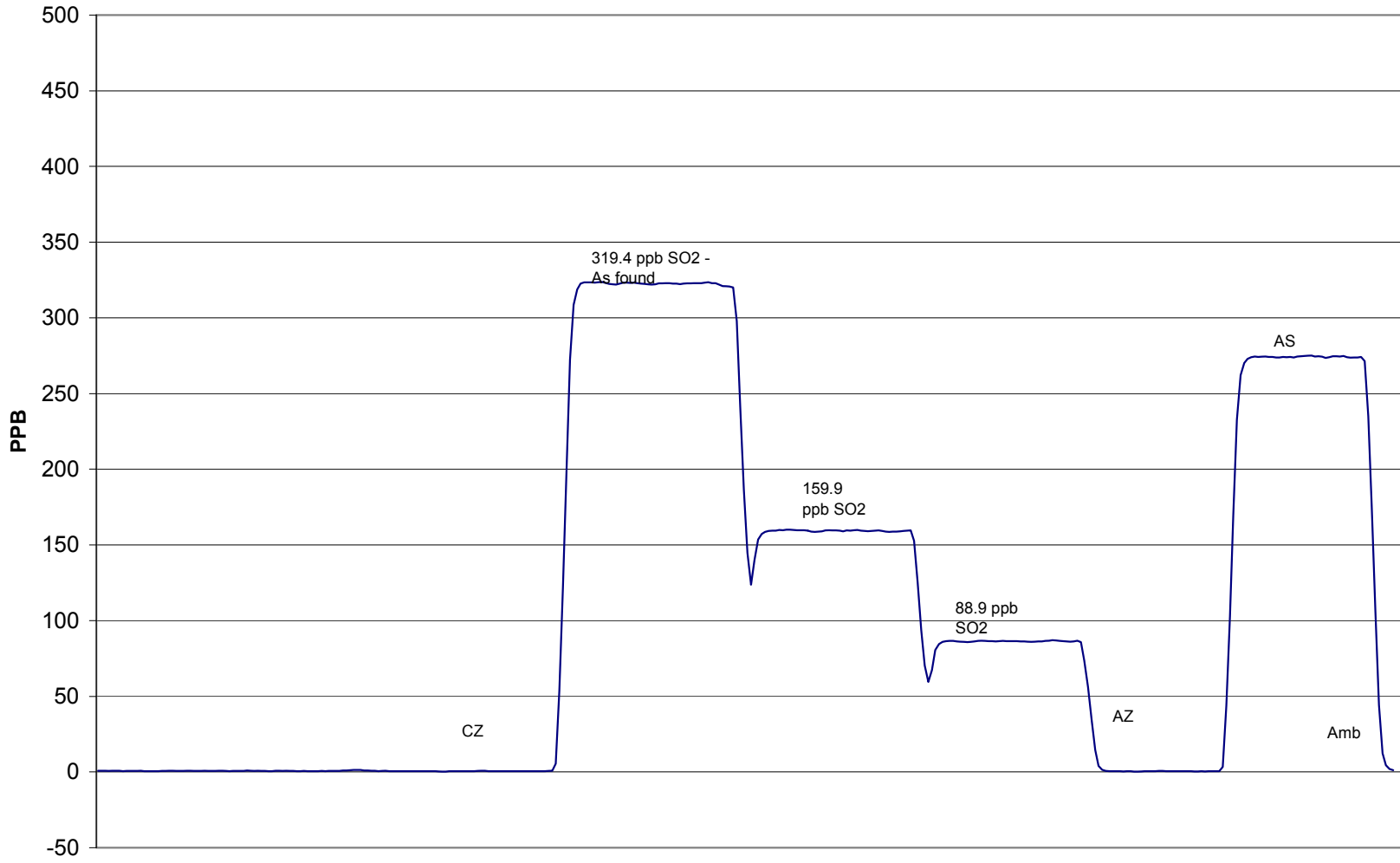
Calculated value of As Found Response: 332.616 ppm Percent Change of As Found: -4.1%

	before calibration		after calibration	
Auto zero	0.9	ppm	1.9	ppm
Auto span	261.1	ppm	272.8	ppm

Notes:

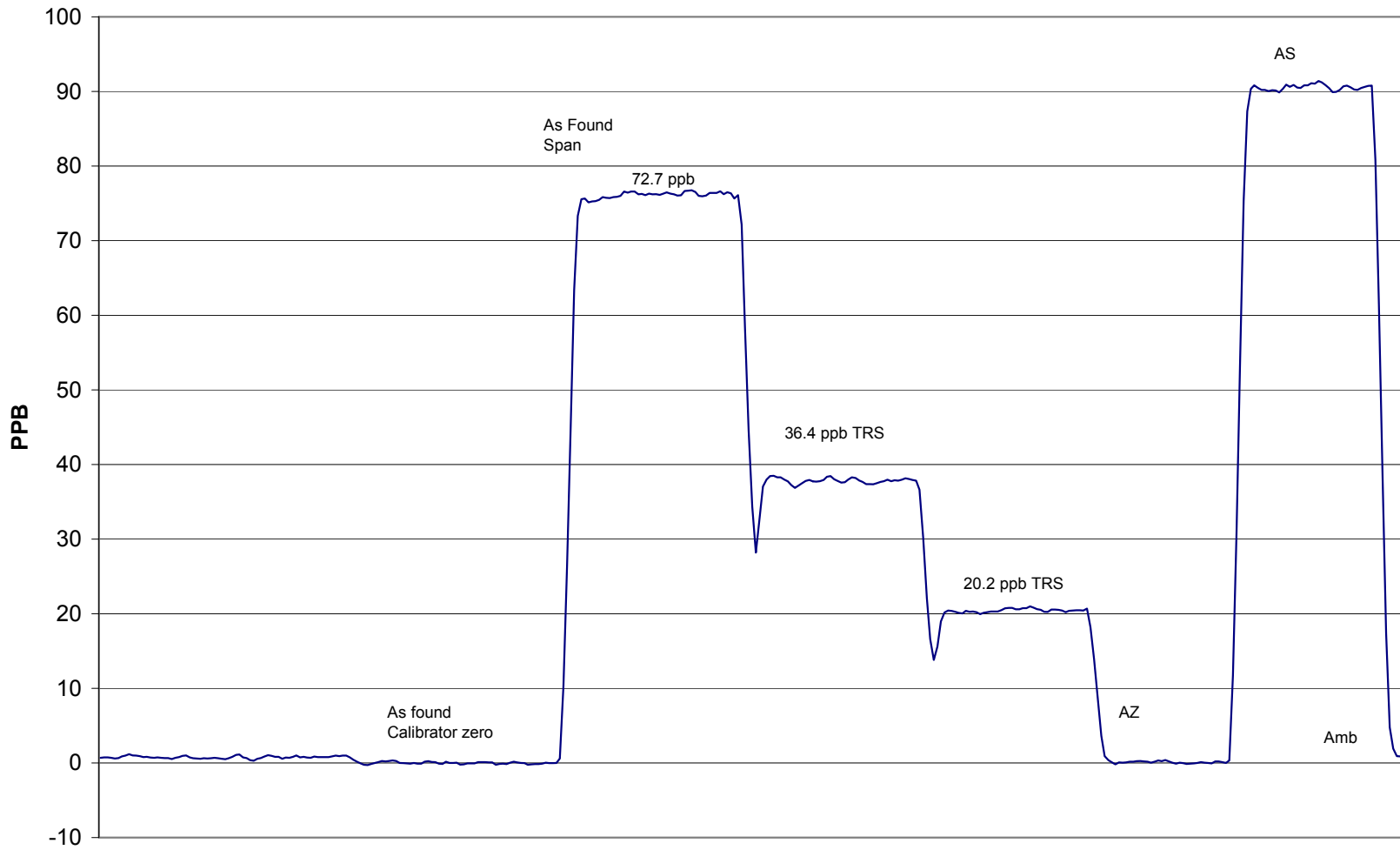
Calibration Performed By: Dawn Ewan

SO2 Calibration



April 16, 2007

TRS Calibration



April 16, 2007

Calibration ReportParameter PM2.5Air Monitoring Network PASZA**Station Information**

Calibration Date	April 16, 2007	Previous Calibration	March 14, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)		End Time (MST)	16:00
Barometric Pressure	0.931 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15
	<u>Before</u>		<u>After</u>
DACS slope	0.050000	DACS slope	0.050000
DACS intercept	-50.000000	DACS intercept	-50.000000

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	39	%	17	%
Ko Factor	10124		10124	
Temperature	8.6	Deg C	8.6	Deg C
Pressure	0.922	ATM	0.922	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.06		0.06
zero flow - auxillary	0.0	0.14		0.14
flow recovery - main	45 - 60 Seconds	30.0	45 - 60 Seconds	30.0
flow recovery - aux	46 - 60 Seconds	40.0	46 - 60 Seconds	40.0
Temperature	measured	8.6	+/- 1.0 Deg C	8.6
Pressure	measured	0.922	+/- 1.5% ΔATM	0.922
Total Flow	16.67 SLPM	16.59		16.59
Main Flow	13.67 SLPM	13.62	+/- 1.0 SLPM	13.62
Auxillary Flow	3.0 SLPM	2.961	+/- 0.2 SLPM	2.961
Leak Check - main	0.0	0.08	<0.15 SLPM	0.08
Leak Check - aux	0.0	0.29	<0.15 SLPM	0.29
Ko Factor (w/o filter)	measured		filter weight (g)	0.11012
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: Changed filter
Cleaned head

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	April 26, 2007	Previous Calibration	March 9, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="checkbox"/>
Start Time (MST)	9:15	End Time (MST)	12:45
Barometric Pressure	27.60 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Expiry Date	8/6/2006
Correction factor	0.938202	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	1.009442	Calculated slope	0.998545
Calculated intercept	1.004868	Calculated intercept	0.100167
Analyzer make	Teco 43i	Analyzer serial #	70112009

	before		after	
Concentration range	500	ppb	500	ppb
Background	5.2		5.1	
coefficient	0.825		0.813	
Lamp Voltage	885	V	868	V
Chamber Temp	32.3	Deg C	45	Deg C
Perm Gas Temp	45.01	Deg C	44.99	Deg C
Pressure	662.1	"Hg	668.1	"Hg
Sample Flow	437	cc/min	444	cc/min
Lamp Intesity	88	%	90	%

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2448.7	0.0	0.6	N/A
2610	2448.7	303.3	303.9	0.9982
4990	4681.6	158.7	158.9	0.9982
8980	8425.0	88.2	87.1	1.0117
zero	2439.3	0.0	0.7	As Found Zero
2600	2439.3	304.5	308.1	As Found Span
Average Correction Factor				1.0027

Calculated value of As Found Response: 311.309 ppm Percent Change of As Found: -2.2%

	before calibration		after calibration	
Auto zero	1.0	ppm	0.0	ppm
Auto span	307.0	ppm	306.6	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Summary



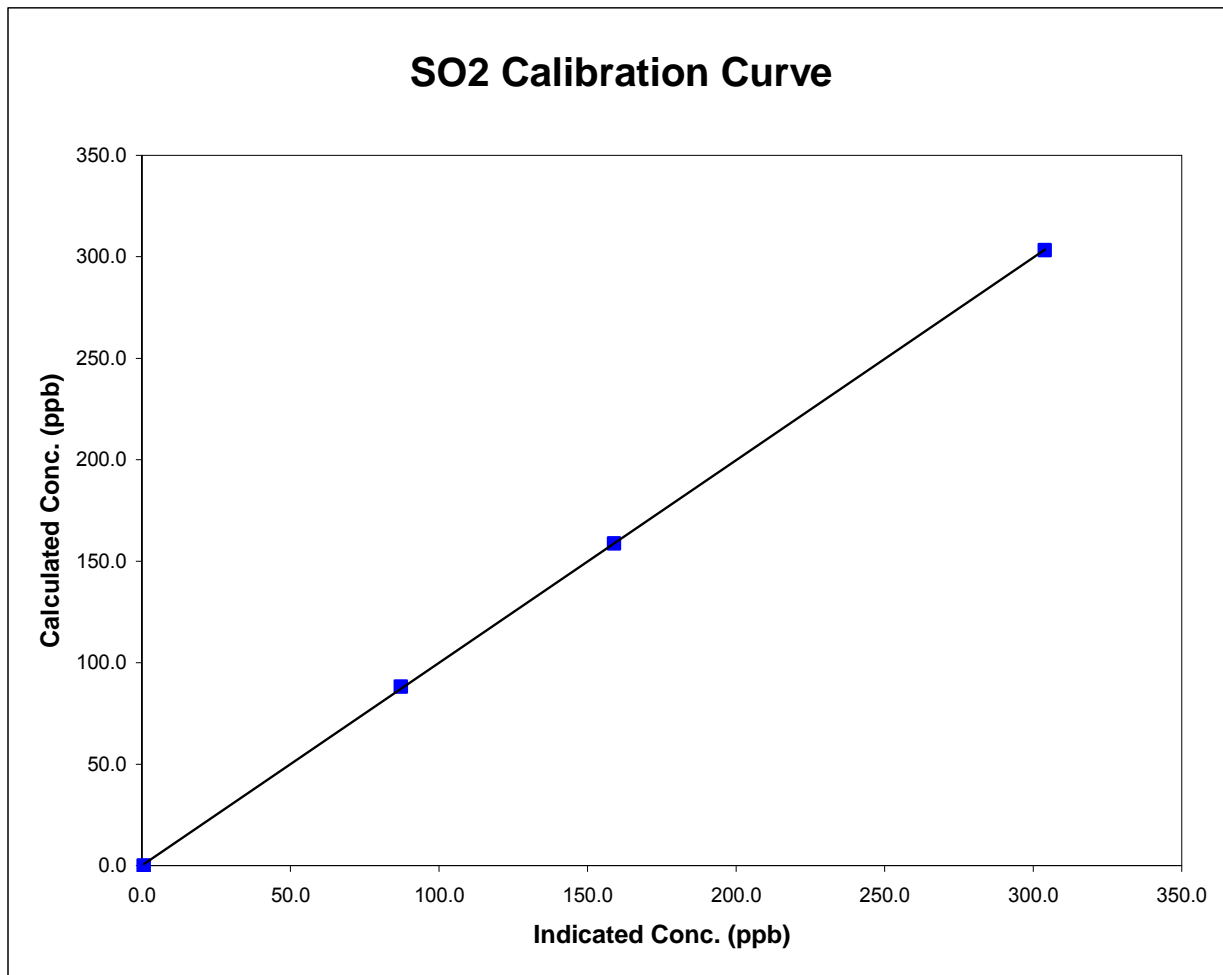
Parameter SO2
 Air Monitoring Network PASZA

Station Information

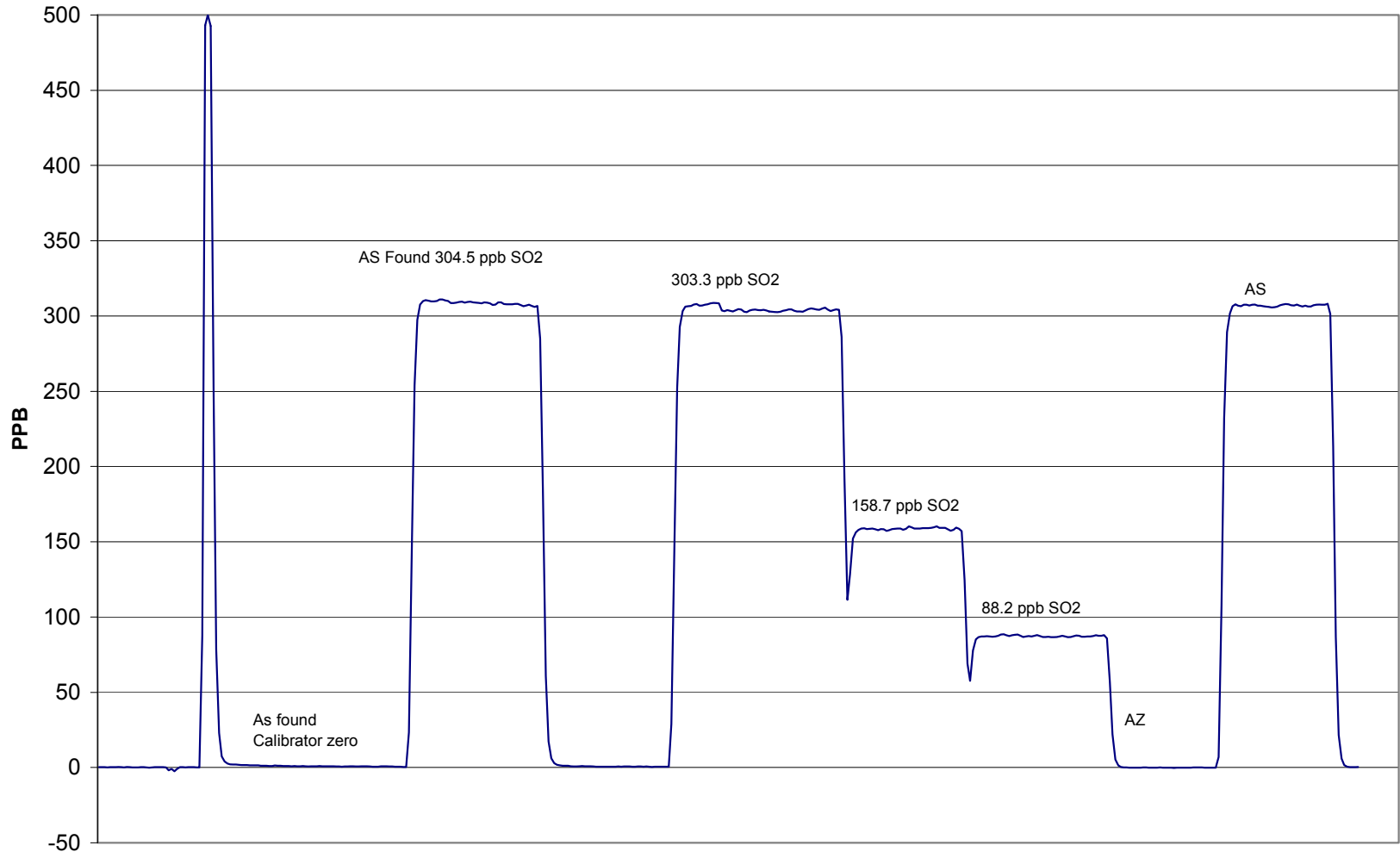
Calibration Date	April 26, 2007	Previous Calibration	March 9, 2007
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	9:15	End Time (MST)	12:45
Analyzer make/model	Teco 43i	Analyzer serial #	70112009

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.6	N/A		
303.3	303.9	0.9982	Correlation Coefficient	0.999967
158.7	158.9	0.9982		
88.2	87.1	1.0117	Slope	0.998545
			Intercept	0.100167

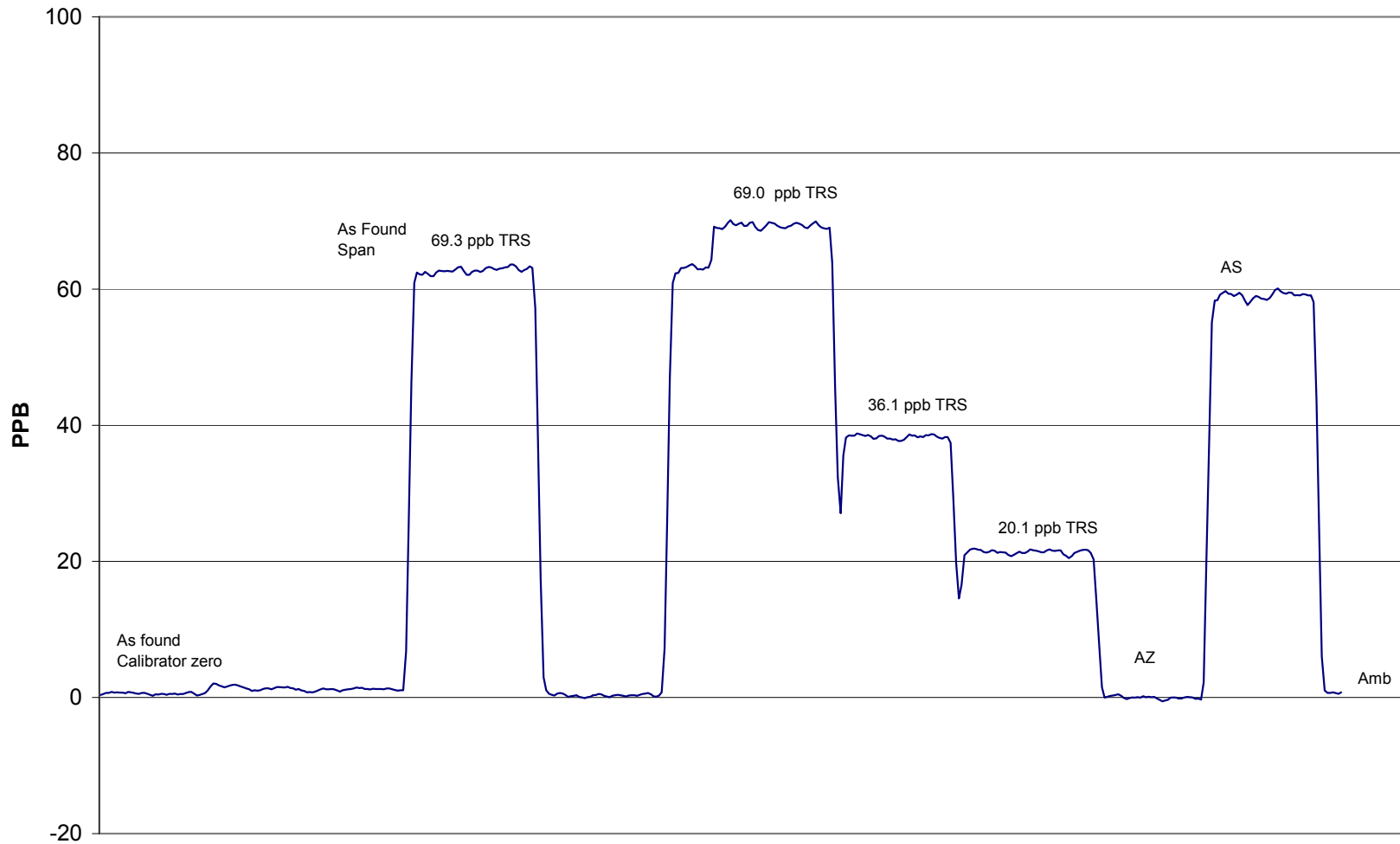


SO2 Calibration



April 26, 2007

TRS Calibration



Calibration Report



Parameter PM2.5
 Air Monitoring Network PASZA

Station Information

Calibration Date	April 26, 2007	Previous Calibration	March 9, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	11:55	End Time (MST)	12:30
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	43	%	14	%
Ko Factor	12122		12122	
Temperature	11.0	Deg C	5.3	Deg C
Pressure	0.918	ATM	0.913	ATM
Main Fadj	0.970		0.970	
Aux Fadj	1.000		1.000	

Calibration Data

Parameter	Set Point	As Found	Tolerance	New Reading
zero flow - main	0.0	0.09		0.09
zero flow - auxillary	0.0	0.27		0.27
flow recovery - main	45 - 60 Seconds	38	45 - 60 Seconds	38
flow recovery - aux	46 - 60 Seconds	39	46 - 60 Seconds	39
Temperature	measured	11.4	+/- 1.0 Deg C	11.4
Pressure	measured	0.918	+/- 1.5% ΔATM	0.918
Total Flow	16.67 SLPM	16.11		16.11
Main Flow	13.67 SLPM	13.56	+/- 1.0 SLPM	13.56
Auxillary Flow	3.0 SLPM	2.886	+/- 0.2 SLPM	2.886
Leak Check - main	0.0	0.11	<0.15 SLPM	0.11
Leak Check - aux	0.0	0.28	<0.15 SLPM	0.28
Ko Factor (w/o filter)	measured		filter weight (g)	0.11014
Ko Factor (w/ filter)	measured		% Ko difference	

Notes: Cleaned head.
New filter installed
All operational checks ok.
Note: O-ring on head needs replacement.

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	April 17, 2007	Previous Calibration	March 20, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	12:20	End Time (MST)	14:45
Barometric Pressure	0.902 atm	Station Temperature	20.0 Deg C
Calibrator	EnviroNics 6103	Serial Number	2844
Cal Gas Make	Scott	Cal Gas Expiry Date	December 12, 2005
Cal Gas Conc.	10.3 ppm	Cal Gas Cylinder #	BLM002816
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3
	<u>Before</u>		<u>After</u>
Calculated slope	1.009885	Calculated slope	1.028960
Calculated intercept	-0.251296	Calculated intercept	-0.200071

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

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.39	ppb	2.37	ppb
Coefficient	0.918		0.918	
Lamp Voltage	914.0	Volts	904.0	Volts
Chamber Temp	43.6	Deg C	44.1	Deg C
Sample Flow	568	ccm	574	ccm

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.00	0.04	N/A
4996	39.94	81.69	79.53	1.0271
4996	19.97	41.01	40.05	1.0239
4996	9.95	20.47	20.30	1.0085
4996	0.00	0.00	0.19	As Found Zero
4996	39.94	81.69	79.52	As Found Span
Average Correction Factor				1.0199

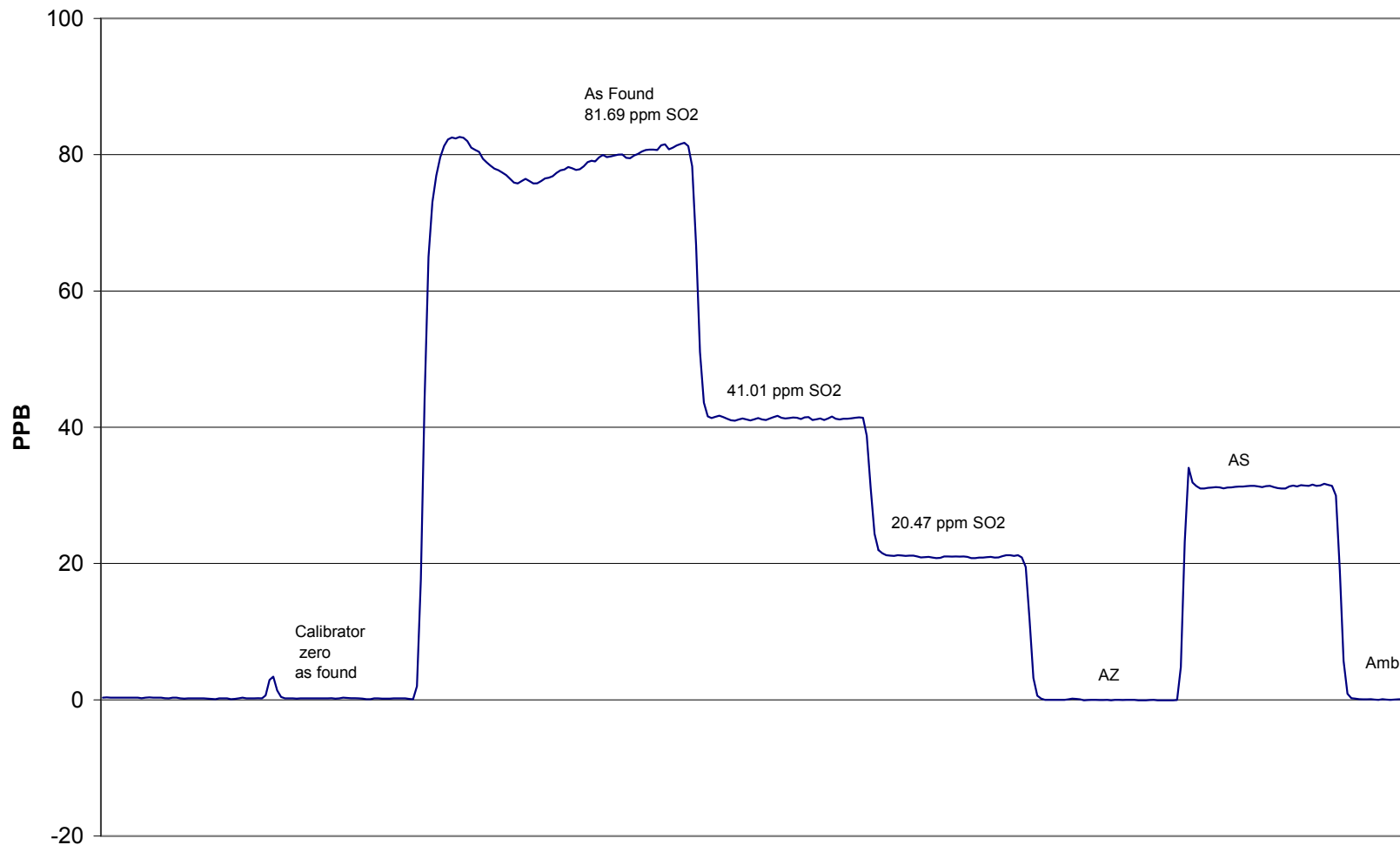
Calculated value of As Found Response: 79.862 ppm Percent Change of As Found: 2.2%

	before calibration		after calibration	
Auto zero	-0.13	ppm	-0.25	ppm
Auto span	29.98	ppm	32.06	ppm

Notes: _____

_____Calibration Performed By: Dawn Ewan

SO₂ Calibration



April 17, 2007

Calibration Report

Parameter **NOx-NO-NO₂**
 Air Monitoring Network **PASZA**



Station Information

Calibration Date	<u>April 17, 2007</u>	Previous Calibration	<u>March 20, 2007</u>
Station Number	<u>4</u>	Station Location	<u>Beaverlodge</u>

Reason: Routine Installation Removal Other: _____

Start Time (MST)	<u>8:30</u>	End Time (MST)	<u>13:00</u>
Barometric Pressure	<u>0.908</u> Atm	Station Temperature	<u>20.0</u> Deg C
Calibrator	<u>EnviroNics 6103</u>	Serial Number	<u>2488</u>
NO Cal Gas Conc	<u>50.3</u> ppm	Cal Gas Expiry Date	<u>Nov 22/06</u>
NOx Cal Gas Conc	<u>50.5</u> ppm	Cal Gas Serial #	<u>BAL786</u>

DACS Information

DACS make FOCUS AP1000 DACS serial No. 45269

Parameter		NO2	NOx	NO
Before	Data Slope	0.982991	1.001354	1.001153
	Data Offset	2.291098	-0.819317	-0.078927
After	Data Slope	0.979838	0.993873	0.989778
	Data Offset	3.297804	0.942198	1.644047
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

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

Test Point	before		after	
Concentration range	0-1000	ppb	0-1000	ppb
NO background	1.3	ppb	1.3	mV
NOx background	1.3	ppb	1.3	mV
NO coefficient	1.068		1.042	
NOx coefficient	1		0.987	
Box Temp	30.7	ccm	30.8	ccm
Chamber Temp	49.4	Deg C	49.2	Deg C
Cooler Temp	-2.1	Deg C	-2.1	Deg C
Converter Temp	325.0	Deg C	323.0	Deg C
Sample Flow	779.0	LPM	797.0	LPM
Ozonator Flow	0.083	LPM	0.084	LPM
Pressure	164.5	inches HG	165.1	inches Hg

Notes: No zero adjustment
Adjusted span

Calibration Report

Parameter **NO_x-NO-NO₂**
 Air Monitoring Network **PASZA**



Station Information

Calibration Date: **April 17, 2007** Station Location: **Beaverlodge**

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	
zero	4996	0.00	0.0	0.0	0.0	-0.3	-0.3	-0.4	N/A	N/A	
1	4996	79.86	794.5	791.4	3.1	798.8	798.6	0.0	0.9946	0.9909	
2	4996	39.98	400.9	399.3	1.6	402.1	400.9	0.4	0.9971	0.9960	
3	4996	20.00	201.4	200.6	0.8	201.0	199.8	0.5	1.0018	1.0040	
AFZ	4996	0.00	0.0	0.0	0.0	-0.3	-0.3	-0.4	0.0000	0.0000	
AFS	4996	79.86	794.5	791.4	3.1	780.0	769.0	-6.0	1.0186	1.0291	
									Average Correction Factor	0.9978	0.9970

As Found Concentrations: **NO_x= 779.5** **NO= 769.2** As Found Percent Change **NO_x= -1.9%** **NO= -2.8%**

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

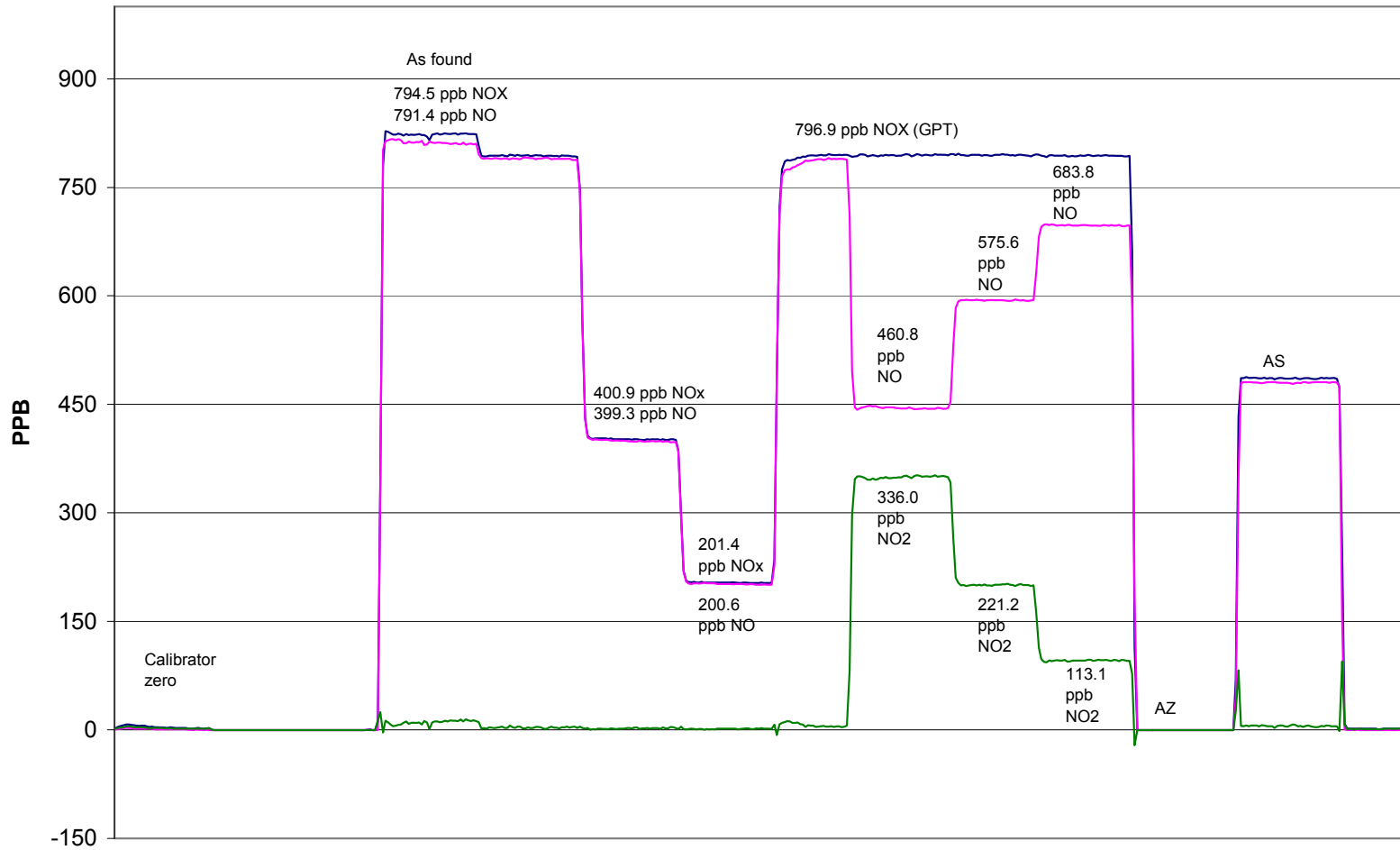
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	796.9	793.5	3.4	800.0	800.0	0.9	0.9961	0.9918	N/A	N/A	
350	796.9	460.8	336.0	802.8	463.9	340.7	0.9926	0.9933	0.9863	101.4%	
200	796.9	575.6	221.2	802.8	579.9	223.0	0.9926	0.9926	0.9922	100.8%	
100	796.9	683.8	113.1	797.0	689.2	107.4	0.9999	0.9922	1.0531	95.0%	
							Average Correction Factor	0.9951	0.9927	1.0106	99.0%

AIC Data

Parameter	Previous calibration				Current calibration			
	NO _x	NO ₂	NO		NO _x	NO ₂	NO	
Auto zero	-0.9	2.1	0.3	ppb	0.7	3.0	1.3	ppb
Auto span	491.0	8.9	501.0	ppb	491.0	8.9	501.0	ppb

Calibration Performed By: Dawn Ewan

NOX NO NO2 Calibration



April 17, 2007

Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

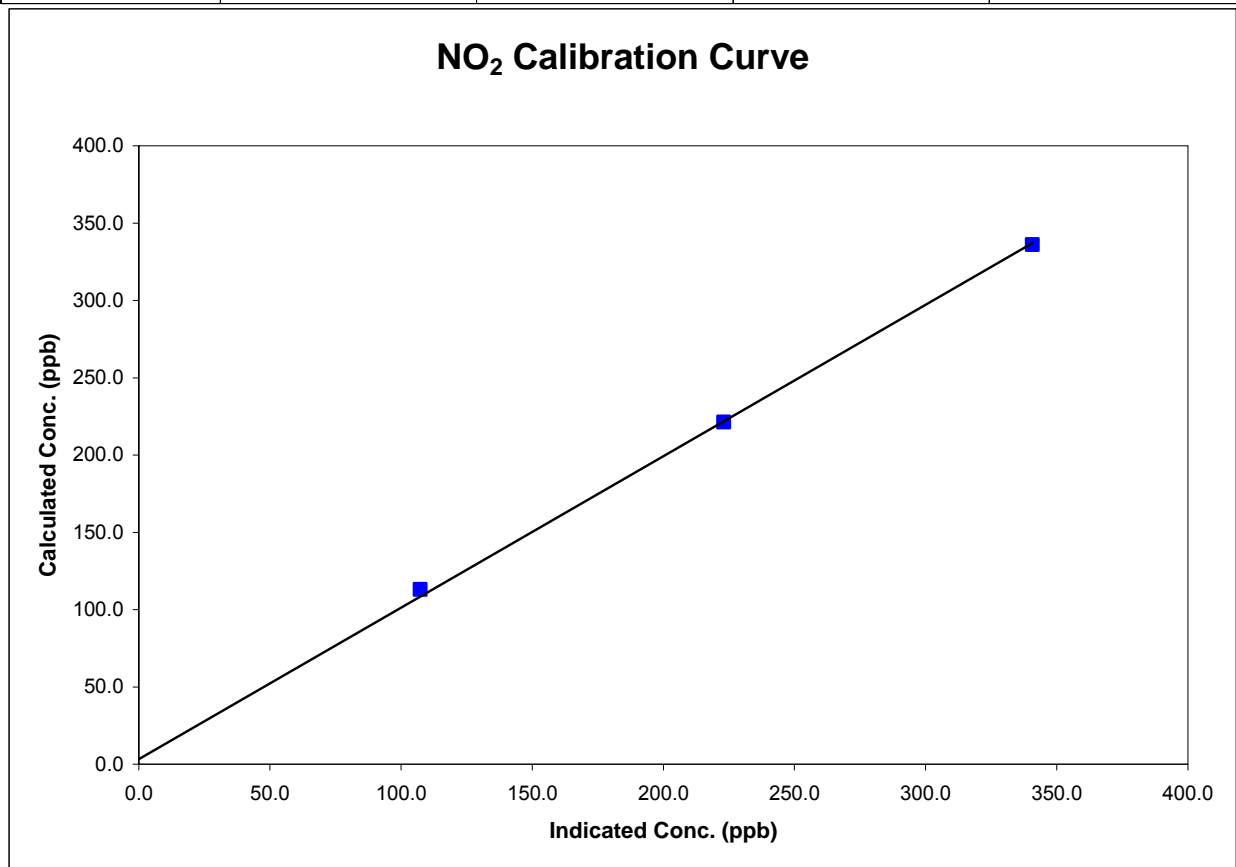


Station Information

Calibration Date	April 17, 2007	Previous Calibration	March 20, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:30	End Time (MST)	13:00
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.4	0.0000		
336.0	340.7	0.9863	Correlation Coefficient	0.999501
221.2	223.0	0.9922		
113.1	107.4	1.0531	Slope	0.979838
			Intercept	3.297804



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

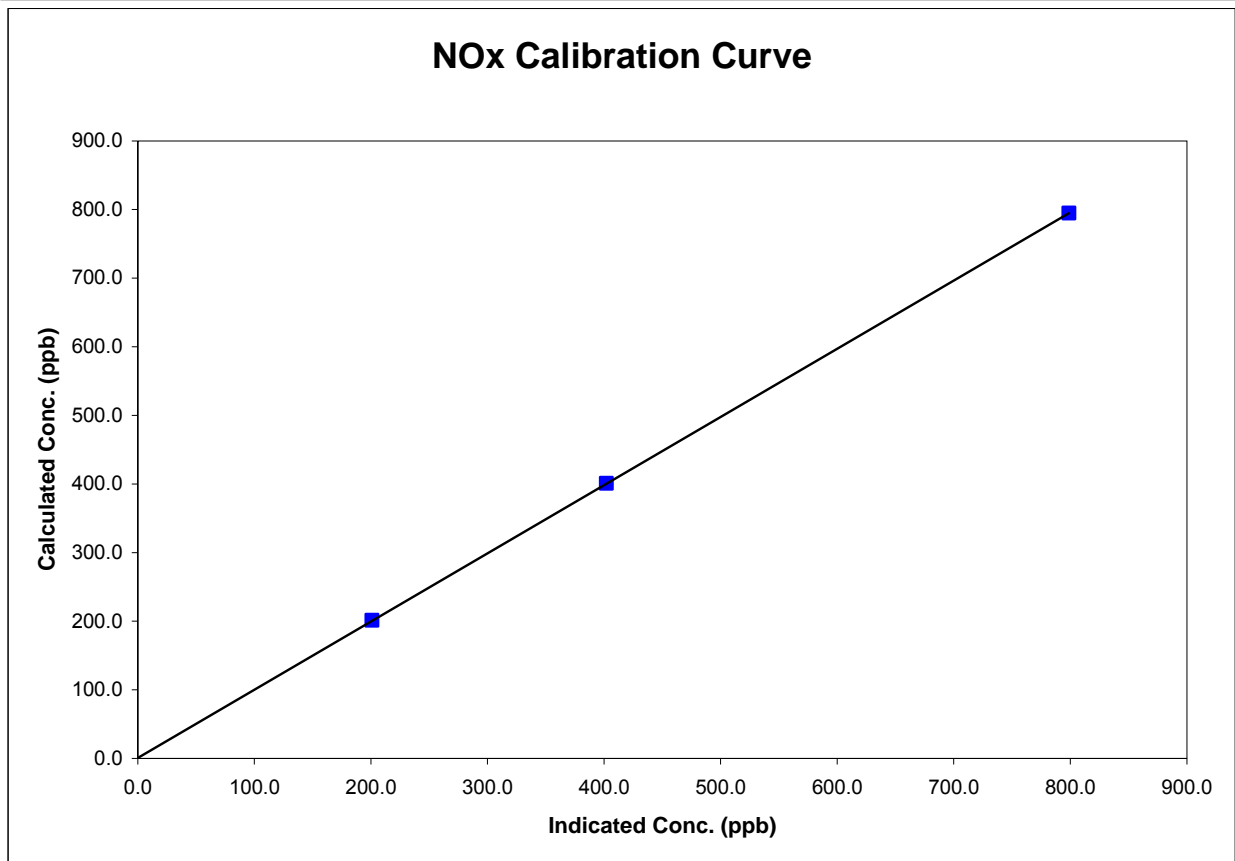


Station Information

Calibration Date	April 17, 2007	Previous Calibration	March 20, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:30	End Time (MST)	13:00
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	-0.3	0.0000	Correlation Coefficient	0.999997
794.5	798.8	0.9946		
400.9	402.1	0.9971	Slope	0.993873
201.4	201.0	1.0018		
			Intercept	0.942198



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

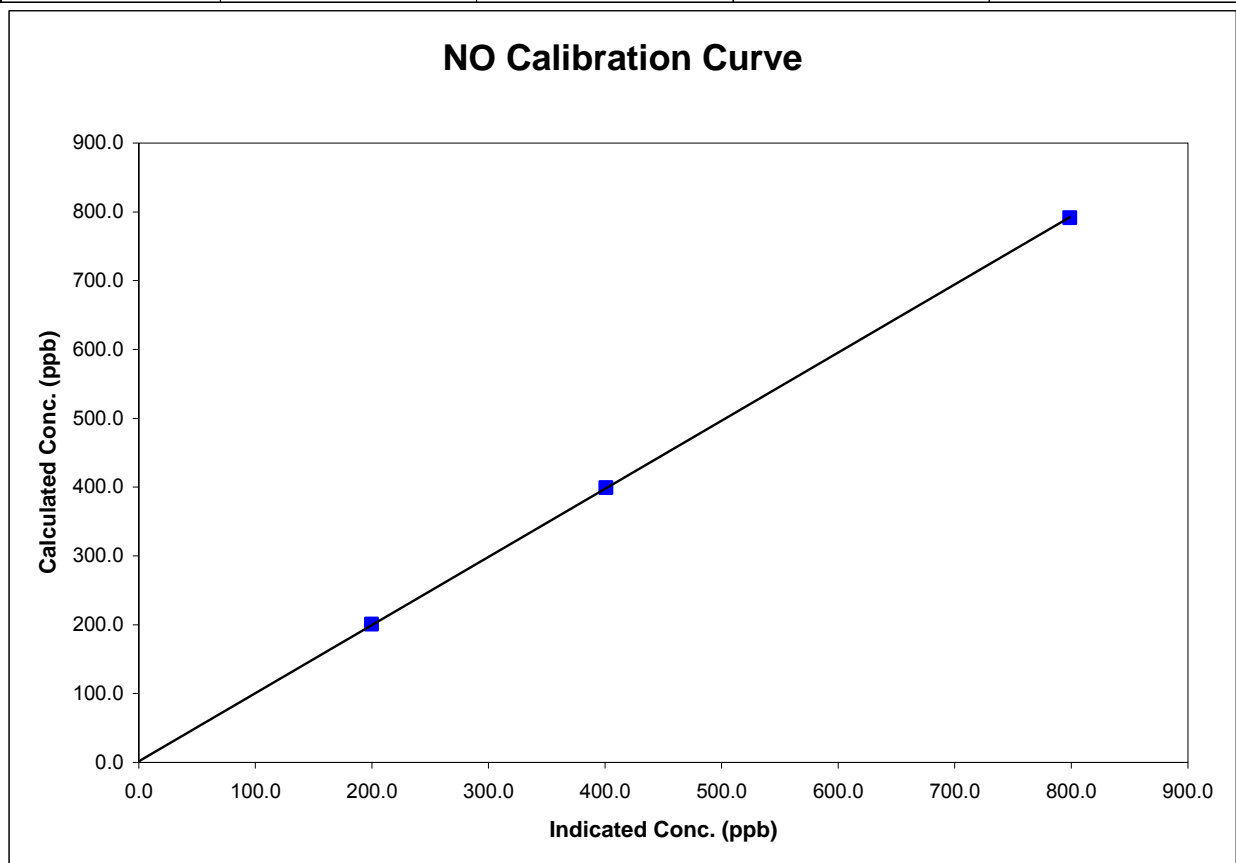


Station Information

Calibration Date	April 17, 2007	Previous Calibration	March 20, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:30	End Time (MST)	13:00
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	-0.3	N/A		
791.4	798.6	0.9909	Correlation Coefficient	0.999987
399.3	400.9	0.9960		
200.6	199.8	1.0040		
			Slope	0.989778
			Intercept	1.644047



Calibration Report

Parameter 03Air Monitoring Network PASZA

Station Information

Calibration Date	<u>April 23, 2007</u>	Previous Calibration	<u>March 20, 2007</u>
Station Number	<u>4</u>	Station Location	<u>Beaverlodge</u>
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)		End Time (MST)	<u>13:54</u>
Barometric Pressure	<u>0.908</u> atm	Station Temperature	<u>20.0</u> Deg C
Calibrator	<u>Enviroics 6103</u>	Serial Number	<u>1633</u>
Cal Gas Concentration	<u>NA</u>	Cal Gas Expiry Date	<u>NA</u>
DACS make	<u>Focus AP1000</u>	DACS serial No.	<u>45269</u>
DACS voltage range	<u>0 - 1 volt</u>	DACS channel #	<u>5</u>
	<u>Before</u>		<u>After</u>
Calculated slope	<u>1.008607</u>	Calculated slope	<u>0.983061</u>
Calculated intercept	<u>-9.194392</u>	Calculated intercept	<u>2.707285</u>
Analyzer make	<u>Teco 49C</u>	Analyzer serial #	<u>49C-76443-383</u>

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.80	ppb	-0.20	ppb
slope	1.048		1.028	
Lamp temp	71	mV	71	mV
Lamp Intensity A/B	83700/81700	mV	85000/83000	mV
Pressure	676.8	inches Hg	651.6	inches Hg
Flow A	748	ccm	731	ccm
Flow B	705	Deg C	686	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.5	N/A
4992	0.00	336.0	340.1	0.9880
4992	0.00	221.2	223.3	0.9910
4992	0.00	113.1	107.0	1.0569
4992	0.00	0.0	0.5	As found zero
4992	0.00	336.0	333.0	As found span
Average Correction Factor				1.0120

Calculated value of As Found Response: 326.2 ppm Percent Change of As Found: -2.9%

	before calibration		after calibration	
Auto zero	<u>-8.6</u>	ppb	<u>2.7</u>	ppb
Auto span	<u>112.2</u>	ppb	<u>116.7</u>	ppb

Notes: _____

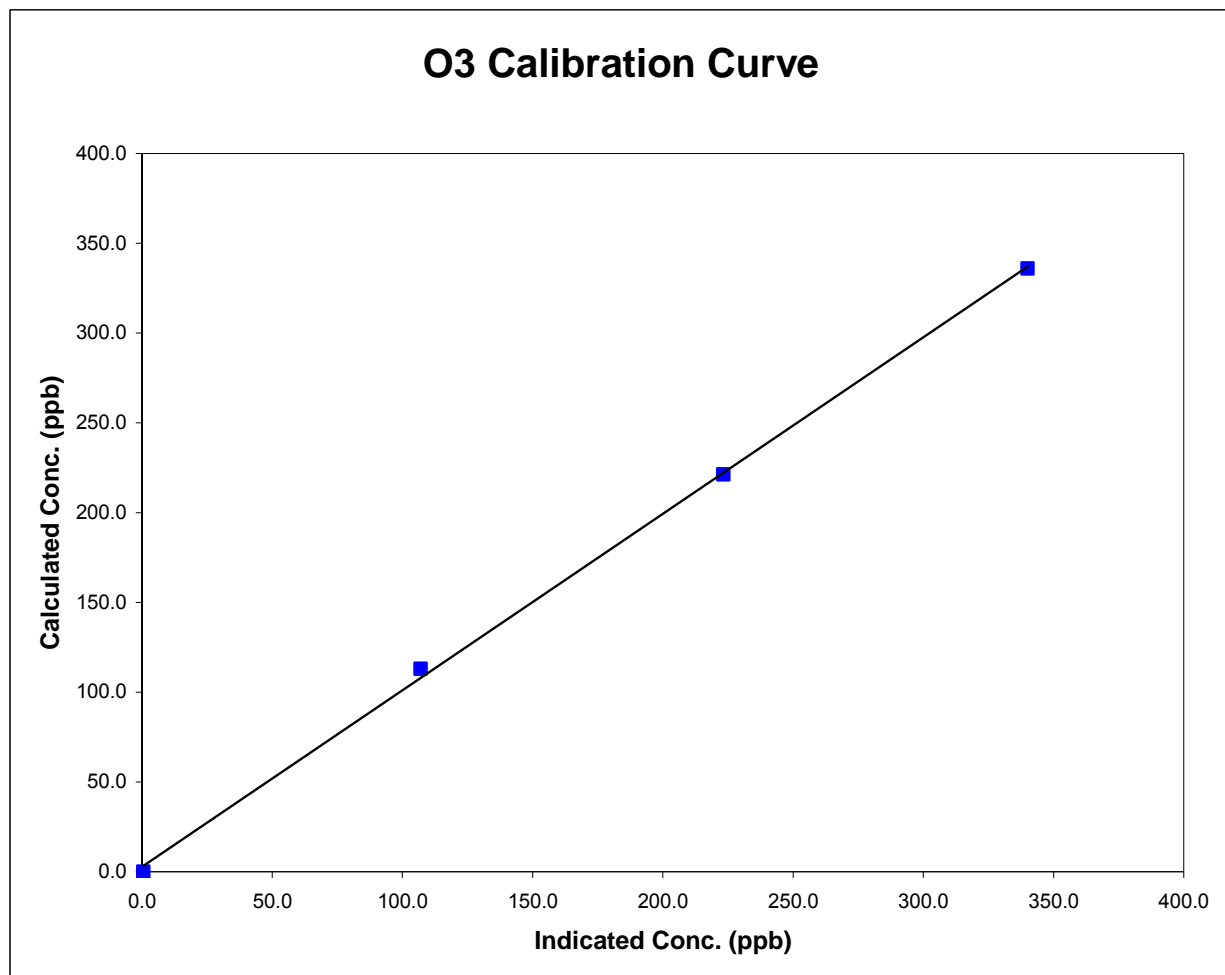
Calibration Performed By: Dawn Ewan

Calibration SummaryParameter O3 Air Monitoring Network PASZA **Station Information**

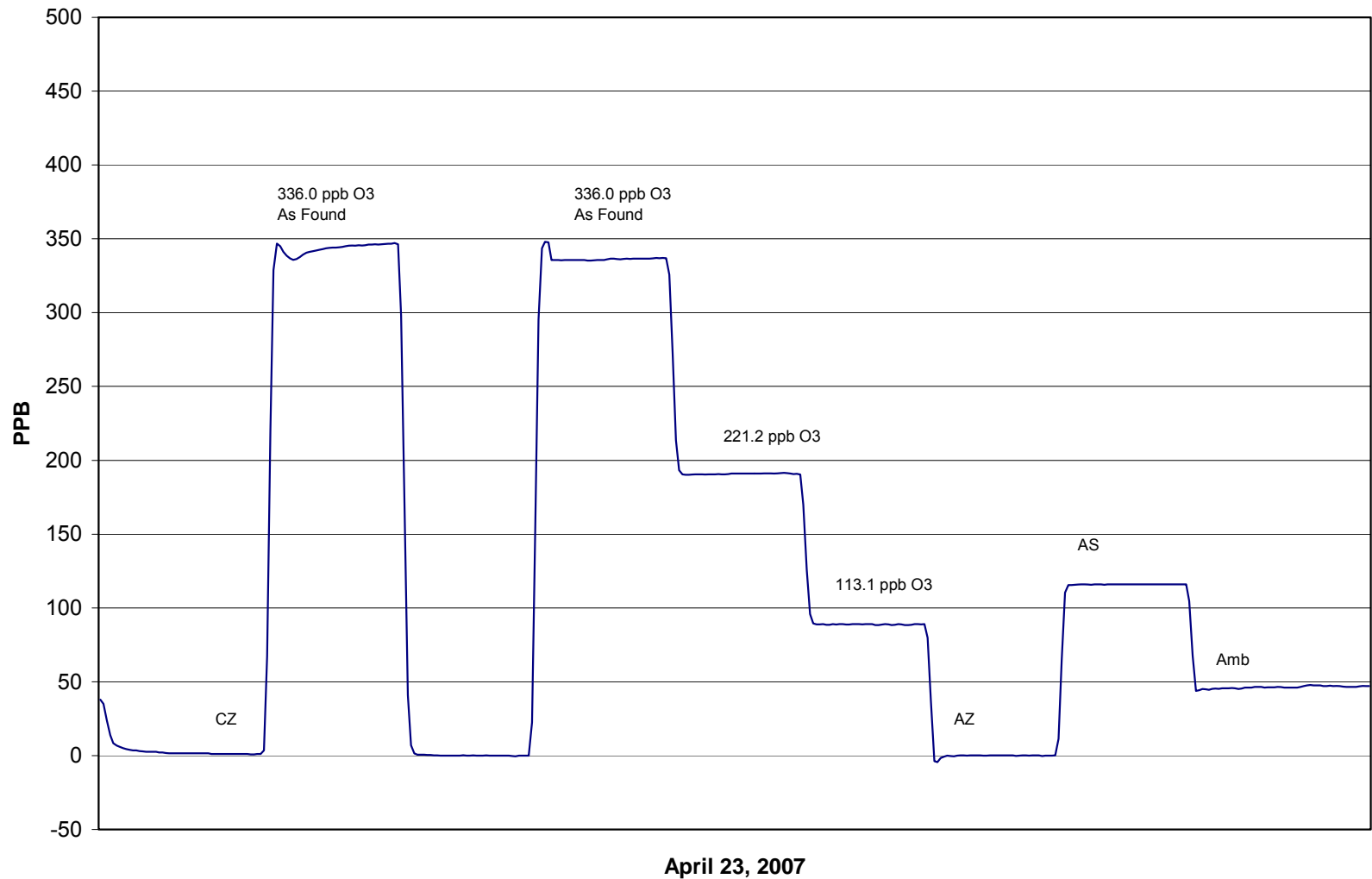
Calibration Date	<u> April 23, 2007 </u>	Previous Calibration	<u> March 20, 2007 </u>
Station Number	<u> 4 </u>	Station Location	<u> Beaverlodge </u>
Start Time (MST)	<u> 0:00 </u>	End Time (MST)	<u> 13:54 </u>
Analyzer make/model	<u> Teco 49C </u>	Analyzer serial #	<u> 49C-76443-383 </u>

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	NA		
336.0	340.1	0.9880	Correlation Coefficient	0.999368
221.2	223.3	0.9910		
113.1	107.0	1.0569	Slope	0.983061
			Intercept	2.707285



O3 Calibration



Calibration Report

Parameter **PM2.5**
Air Monitoring Network **PASZA**



Station Information

Calibration Date	April 23, 2007	Previous Calibration	February 23, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	13:00	End Time (MST)	14:00
Barometric Pressure	0.906 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	10

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.68	SLPM	13.68	SLPM
Filter Load	31	%	16	%
Ko Factor	14287		14287	
Temperature		Deg C		Deg C
Pressure		ATM		ATM

Calibration Data

Parameter	Set Point	Teom Reading (As Found)	Tolerance	Teom Reading (After Adjustments)
zero flow - main	0.0	0.09		0.09
zero flow - auxiliary	0.0	0.21		0.21
flow recovery - main	45 - 60 Seconds	40.00	45 - 60 Seconds	40.00
flow recovery - aux	46 - 60 Seconds	45.00	46 - 60 Seconds	45.00
Temperature	measured		+/- 1.0 Deg C	
Pressure	measured		+/- 1.5% ΔATM	
Total Flow	16.67 SLPM	16.50		16.50
Auxiliary Flow	13.67 SLPM	13.45	+/- 1.0 SLPM	13.45
Main Flow	3.0 SLPM	2.960	+/- 0.2 SLPM	2.960
Leak Check - main	0.0		<0.15 SLPM	
Leak Check - aux	0.0		<0.15 SLPM	
Ko Factor (w/o filter)	measured		filter weight (g)	0.10931
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes:

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA

Station Information

Calibration Date	April 24, 2007	Previous Calibration	March 2, 2007
Station Number	1	Station Location	Falher
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="checkbox"/>
Start Time (MST)	16:20	End Time (MST)	19:14
Barometric Pressure	27.6 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.938541	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 10 volt	DACS channel #	5
	Before		After
Calculated slope	1.094933	Calculated slope	0.999482
Calculated intercept	1.698490	Calculated intercept	-0.370198
Analyzer make	TEI Model 43C APS1AB	Analyzer serial #	609716238

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Background	8.1		8.2	
Coefficient	1.153		1.161	
UV Lamp voltage	756	V	748	V
Chamber Temperature	44.7	C	44.6	C
Perm gas Temp	45	C	45	C
Pressure	685.8	"Hg	677.5	"Hg
Sample Flow	492	LPM	488	LPM
Lamp Intensity	34100	Hz	34000	Hz

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2346.4	0.0	0.1	N/A
2500	2346.4	316.6	316.4	1.0007
5030	4720.9	157.3	159.8	0.9847
9000	8446.9	87.9	87.4	1.0058
zero	2346.4	0.0	0.1	As Found Zero
2500	2346.4	316.6	316.4	As Found Span
Average Correction Factor				0.9971

Calculated value of As Found Response: 348.029 ppm Percent Change of As Found: -9.9%

	before calibration		after calibration	
Auto zero	1.3	ppm	-0.4	ppm
Auto span	317.8	ppm	299.3	ppm

Notes: Adjusted span only

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
Air Monitoring Network PASZA

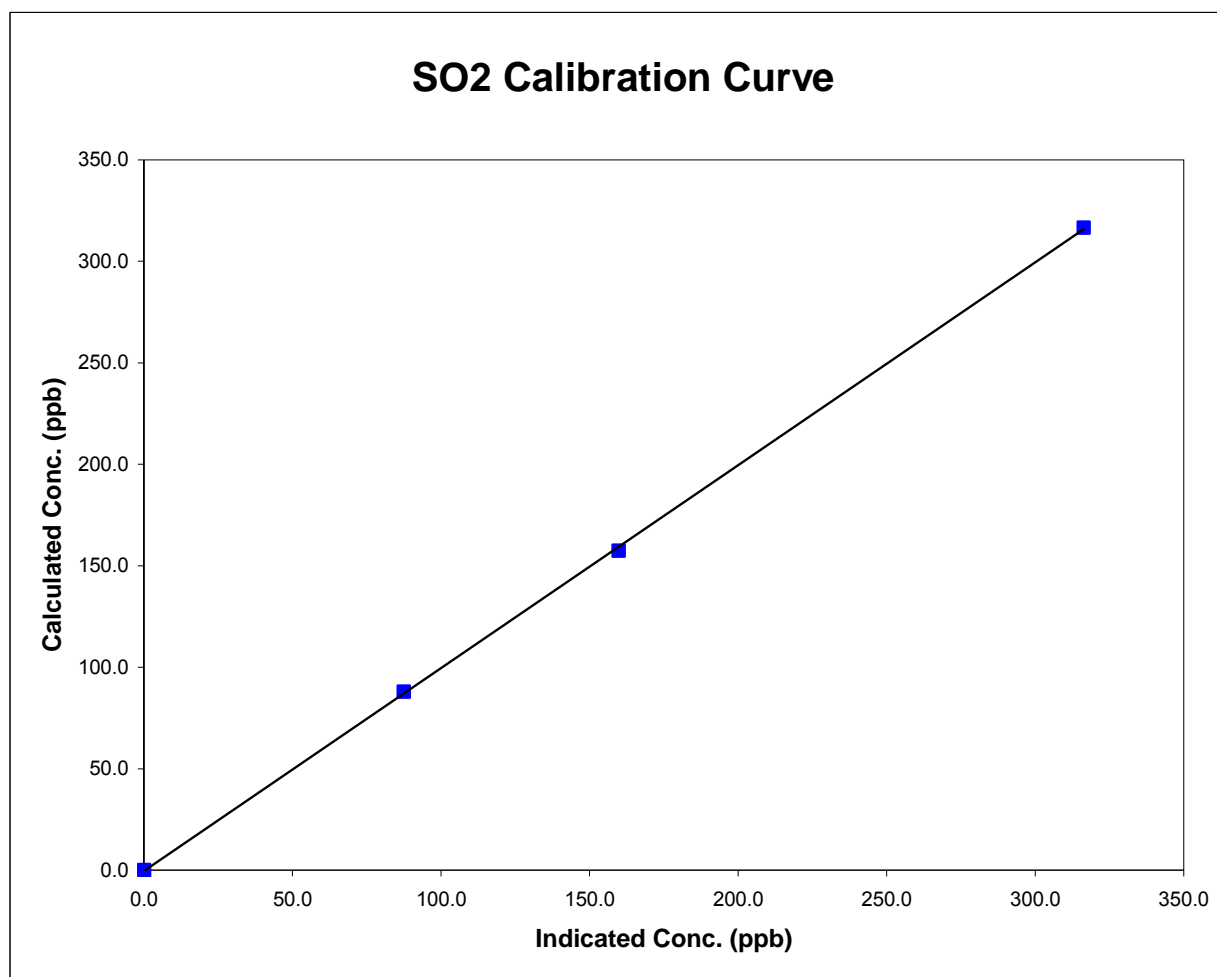


Station Information

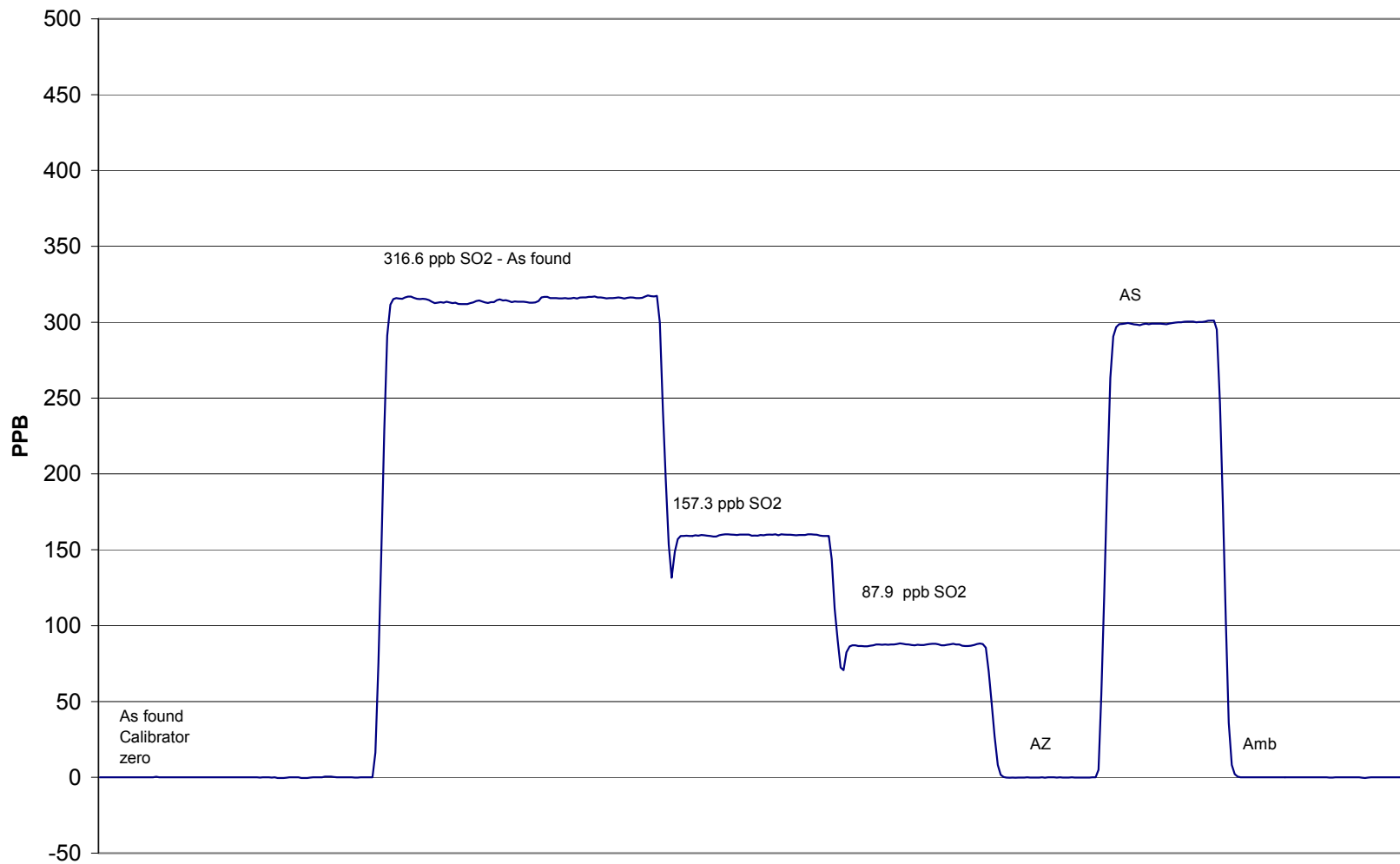
Calibration Date	<u> April 24, 2007 </u>	Previous Calibration	<u> March 2, 2007 </u>
Station Number	<u> 1 </u>	Station Location	<u> Falher </u>
Start Time (MST)	<u> 16:20 </u>	End Time (MST)	<u> 19:14 </u>
Analyzer make/model	<u> TEI Model 43C APS1AB </u>	Analyzer serial #	<u> 609716238 </u>

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
316.6	316.4	1.0007	Correlation Coefficient	0.999899
157.3	159.8	0.9847		
87.9	87.4	1.0058	Slope	0.999482
			Intercept	-0.370198



SO2 Calibration



April 24, 2007

Calibration ReportParameter **TRS**
Air Monitoring Network**PASZA****Station Information**

Calibration Date	April 24, 2007	Previous Calibration	March 8, 2007
Station Number	5	Station Location	Falher
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="text"/>
Start Time (MST)	16:20	End Time (MST)	19:14
Barometric Pressure	27.6 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.938202	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	6
	Before		After
Calculated slope	1.000529	Calculated slope	1.003509
Calculated intercept	0.935223	Calculated intercept	1.249256

Analyzer make **TEI Model 43C APS1AB** Analyzer serial # **609716238**

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	10.5	ppb	11.5	ppb
coefficient	1.693		1.857	
Lamp Voltage	813	volts	809	volts
Chamber Temp	44	Deg C	43.8	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	656.2	mm Hg	661.2	mm Hg
Sample Flow	432	ccm	436	ccm
Lamp Intensity	38,800	mv	39,000	mv

Calibration Data

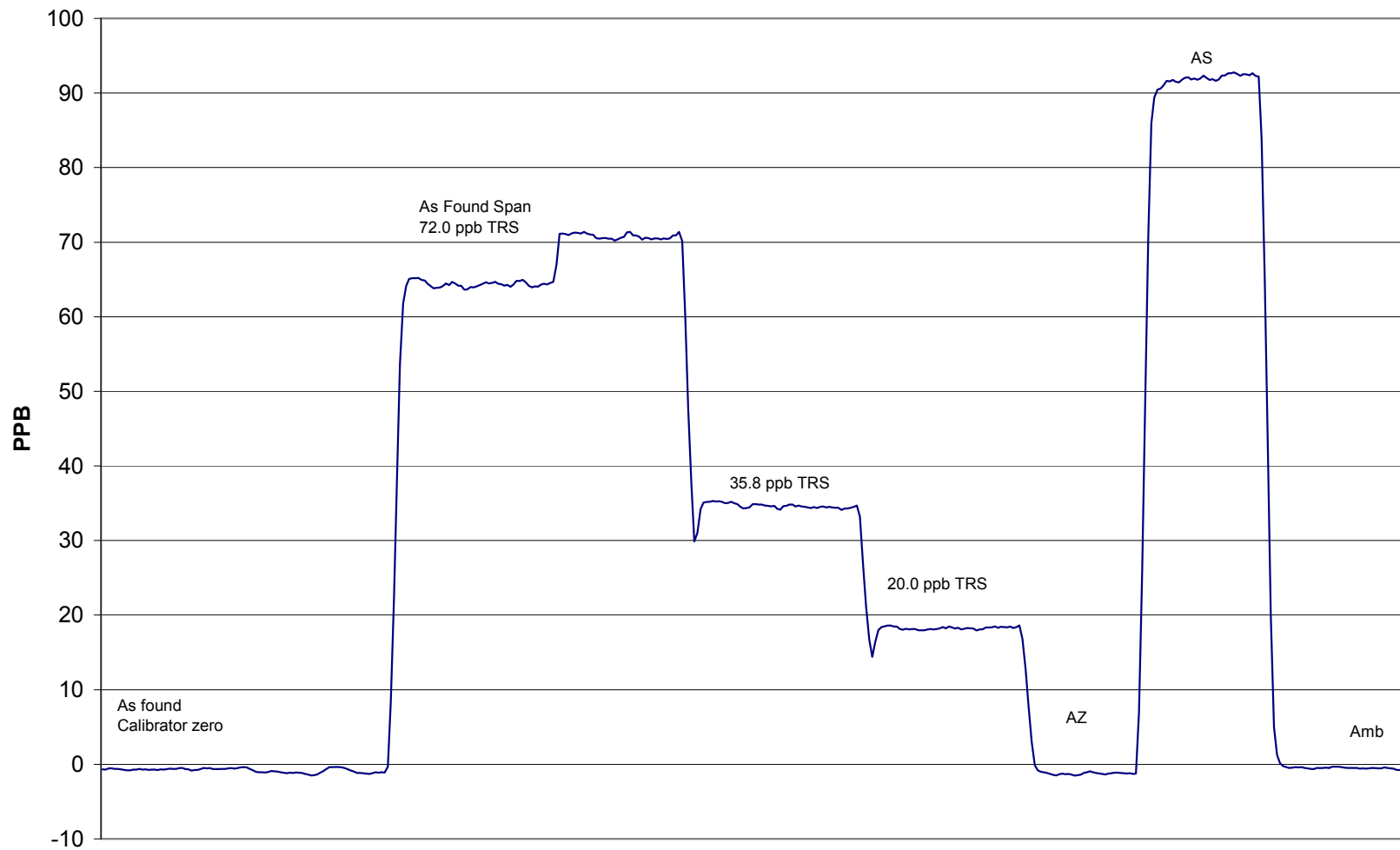
Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2345.5	0.0	-0.9	N/A
2500	2345.5	72.0	70.6	1.0196
5030	4719.2	35.8	34.4	1.0397
9000	8443.8	20.0	18.3	1.0942
zero	2345.5	0.0	-0.9	As Found Zero
2500	2345.5	72.0	64.4	As Found Span
Average Correction Factor				1.0512

Calculated value of As Found Response: **66.33 ppm** Percent Change of As Found: **7.9%**

	before calibration		after calibration	
Auto zero	0.2	ppm	0.0	ppm
Auto span	88.6	ppm	93.8	ppm

Notes: Adjusted span only.Calibration Performed By: Dawn Ewan

TRS Calibration



April 24, 2007

Calibration ReportParameter **O3**
Air Monitoring Network **PASZA****Station Information**

Calibration Date	April 24, 2007	Previous Calibration	March 8, 2007
Station Number	6	Station Location	Falher
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="checkbox"/>
Start Time (MST)	20:07	End Time (MST)	1/0/00 22:22
Barometric Pressure	0.920 atm	Station Temperature	20.0 Deg C
Calibrator	EnviroNics 6103	Serial Number	2488
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	7
	Before		After
Calculated slope	0.998390	Calculated slope	0.979019
Calculated intercept	-0.678972	Calculated intercept	0.423012
Analyzer make	TEI 49C a3C1AB	Analyzer serial #	609716240

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	0.2		0.2	
slope	1.055		1.055	
Cell A	80450	mV	77600	mV
Cell B	80400	mV	77700	mV
Pressure	702.3	inches Hg	699.6	inches Hg
Cell A Flow	677	mL/min	674	mL/min
Cell B Flow	677	mL/min	674	mL/min

Calibration Data

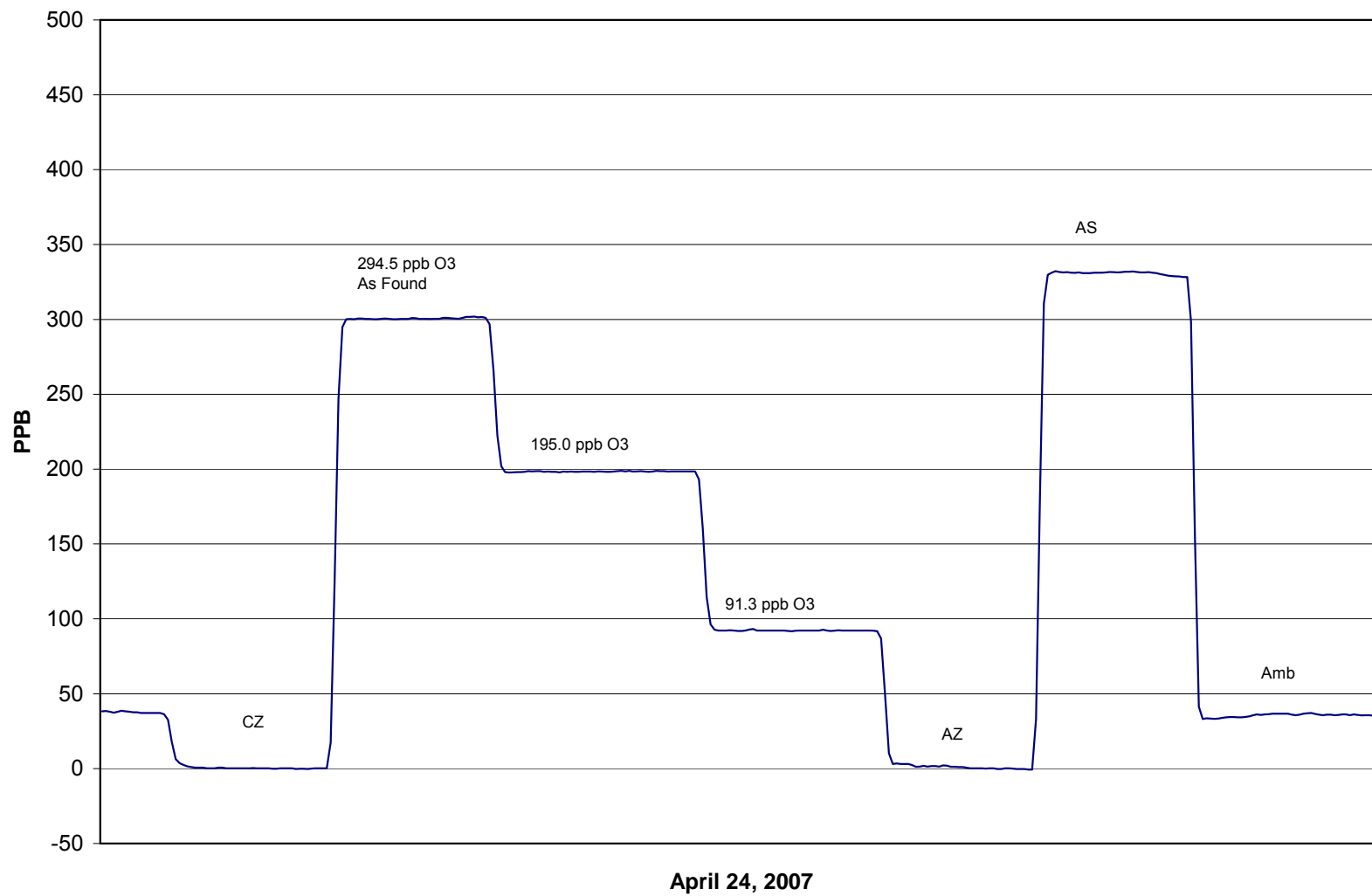
Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.0	0.1	N/A
4996	0.00	294.5	300.7	0.9793
4996	0.00	195.0	198.5	0.9822
4996	0.00	91.3	92.2	0.9906
4996	0.00	0.0	0.1	As found zero
4996	0.00	294.5	300.7	As found span
Average Correction Factor				0.9840

Calculated value of As Found Response: 299.5 ppm Percent Change of As Found: 1.7%

	before calibration		after calibration	
Auto zero	0.7	ppb	0.4	ppb
Auto span	341.7	ppb	324.0	ppb

Notes: No adjustments made.Calibration Performed By: Dawn Ewan

O3 Calibration



Calibration Report

Parameter

NOx-NO-NO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date April 24, 2007 Previous Calibration March 8, 2007
 Station Number 6 Station Location Falher

Reason: Routine Installation Removal Other: _____

Start Time (MST) 15:22 End Time (MST) 20:50
 Barometric Pressure 0.930 Atm Station Temperature 20.0 Deg C
 Calibrator EnviroNics 6103 Serial Number 2844
 NO Cal Gas Conc 49.5 ppm Cal Gas Expiry Date 2-Jan-09
 NOx Cal Gas Conc 49.6 ppm Cal Gas Serial # FF-5013

DACS Information

DACS make FOCUS AP1000 DACS serial No. 45269

Parameter		NO2	NOx	NO
Before	Data Slope	1.002053	1.004038	0.990811
	Data Offset	1.101005	-1.442537	-0.492152
After	Data Slope	1.004389	1.004675	0.999496
	Data Offset	0.202431	-1.557130	-1.530856
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42i Analyzer serial # 701120011

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	5.8	ppb	5.7	mV
NOx background	5.9	ppb	6.0	mV
NO coefficient	1.127		1.131	
NOx coefficient	0.962		0.994	
Chamber Temp	50.1	Deg C	49.9	Deg C
Cooler Temp	-3.0	Deg C	-3.0	Deg C
Converter Temp	325.0	Deg C	325.0	Deg C
Flow	560.0	mm Hg	542.0	cc/min

Notes: Adjusted span.

Calibration Report

Parameter **NO_x-NO-NO₂**
Air Monitoring Network **PASZA**



Station Information

Calibration Date: April 24, 2007 Station Location: Falher

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	
zero	4992	0.00	0.0	0.0	0.0	0.1	-0.1	0.0	N/A	N/A	
1	4992	39.93	393.6	392.8	0.8	392.3	393.5	0.0	1.0033	0.9982	
2	4992	19.91	197.0	196.7	0.4	199.1	199.7	0.0	0.9895	0.9847	
3	4992	10.00	99.2	99.0	0.2	101.3	101.7	0.0	0.9790	0.9726	
AFZ	4992	0.00	0.0	0.0	0.0	0.1	-0.1	0.0	0.0000	0.0000	
AFS	4992	39.93	393.6	392.8	0.8	380.0	393.8	0.0	1.0357	0.9974	
									Average Correction Factor	0.9906	0.9852

As Found Concentrations: NO_x= 378.5 NO= 393.4 As Found Percent Change NO_x= -3.8% NO= 0.1%

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

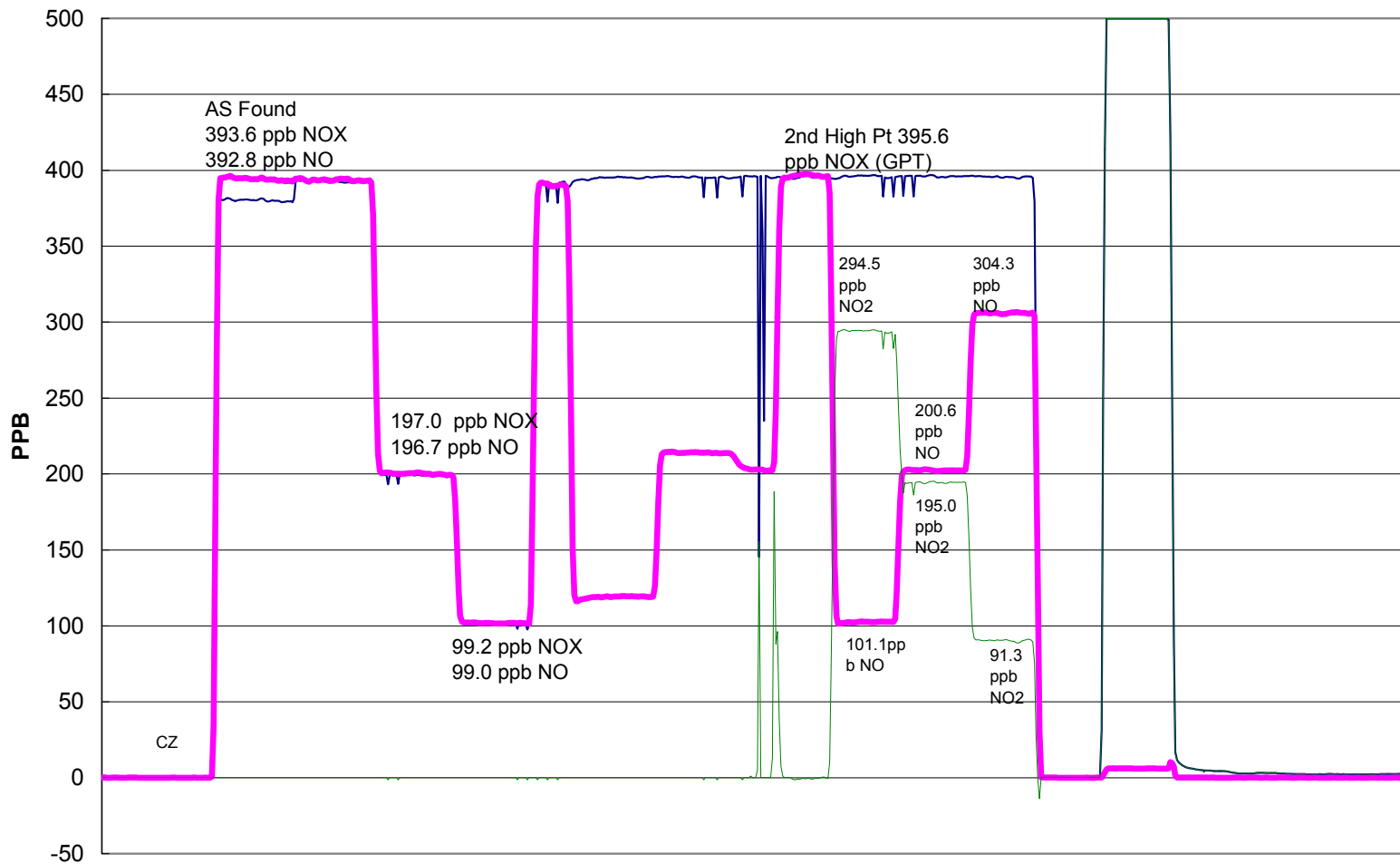
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	395.6	395.0	0.6	395.5	396.8	-0.4	1.0003	0.9956	N/A	N/A	
350	395.6	101.1	294.5	394.8	102.7	292.9	1.0022	0.9846	1.0055	99.5%	
200	395.6	200.6	195.0	395.9	202.3	194.4	0.9994	0.9919	1.0031	99.7%	
100	395.6	304.3	91.3	395.4	306.0	90.1	1.0005	0.9945	1.0130	98.7%	
							Average Correction Factor	1.0007	0.9903	1.0072	99.3%

AIC Data

Parameter	Previous calibration				Current calibration			
	NO _x	NO ₂	NO		NO _x	NO ₂	NO	
Auto zero	1.0	0.9	1.0	ppb	0.9	1.3	1.0	ppb
Auto span	375.0	371.8	2.7	ppb	500.8	502.4	4.5	ppb

Calibration Performed By: Dawn Ewan

NOx NO NO2 Calibration



April 24, 2007

Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

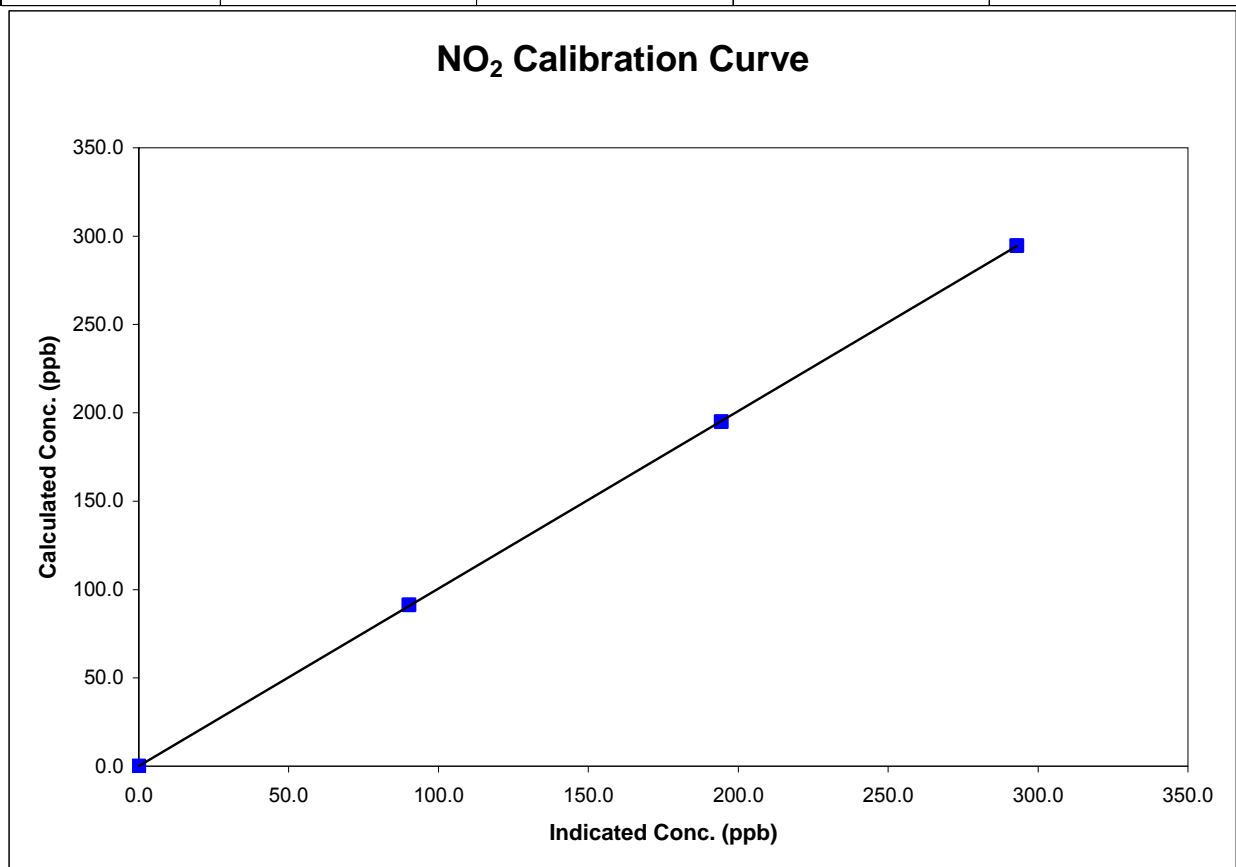


Station Information

Calibration Date	April 24, 2007	Previous Calibration	March 8, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	15:22	End Time (MST)	20:50
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	0.0000		
294.5	292.9	1.0055	Correlation Coefficient	0.999988
195.0	194.4	1.0031		
91.3	90.1	1.0130	Slope	1.004389
			Intercept	0.202431



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

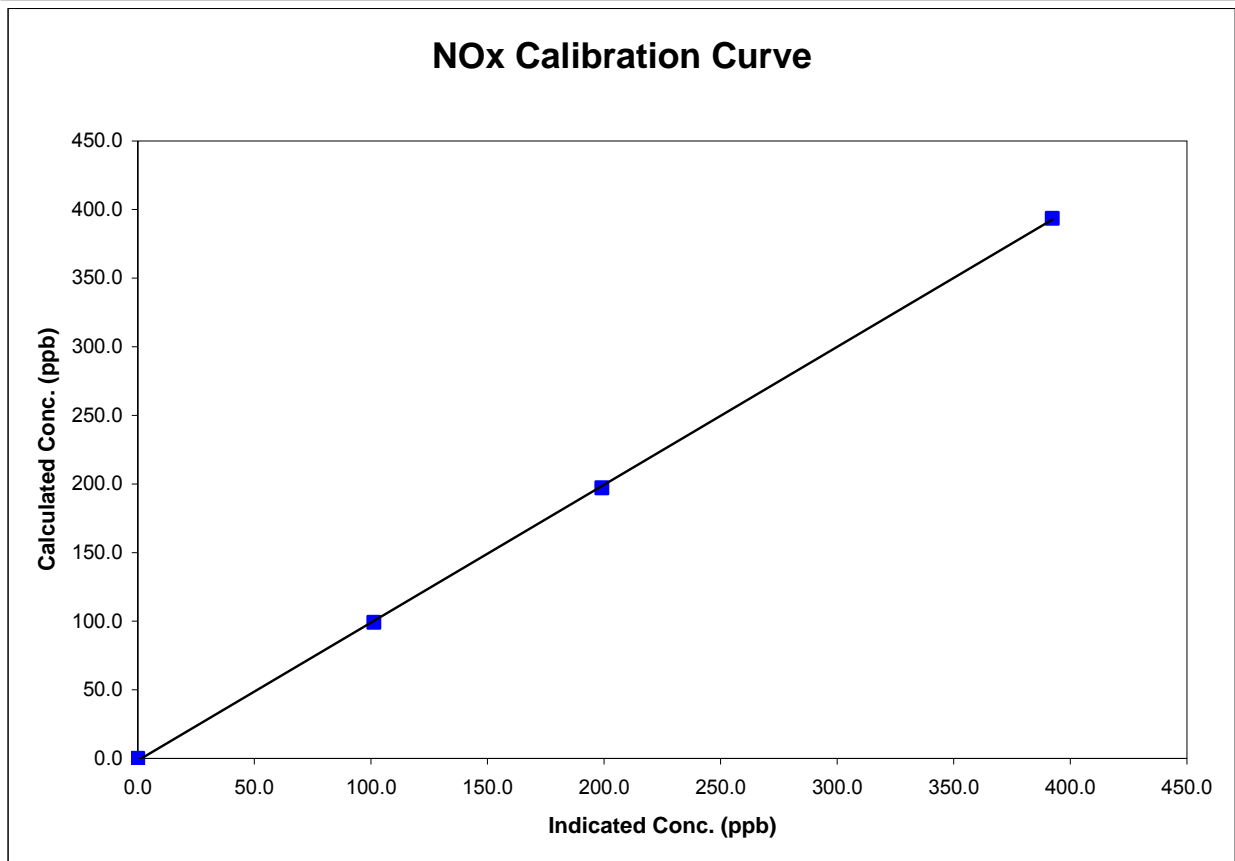


Station Information

Calibration Date	April 24, 2007	Previous Calibration	March 8, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	15:22	End Time (MST)	20:50
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000	Correlation Coefficient	0.999922
393.6	392.3	1.0033		
197.0	199.1	0.9895	Slope	1.004675
99.2	101.3	0.9790		
			Intercept	-1.557130



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

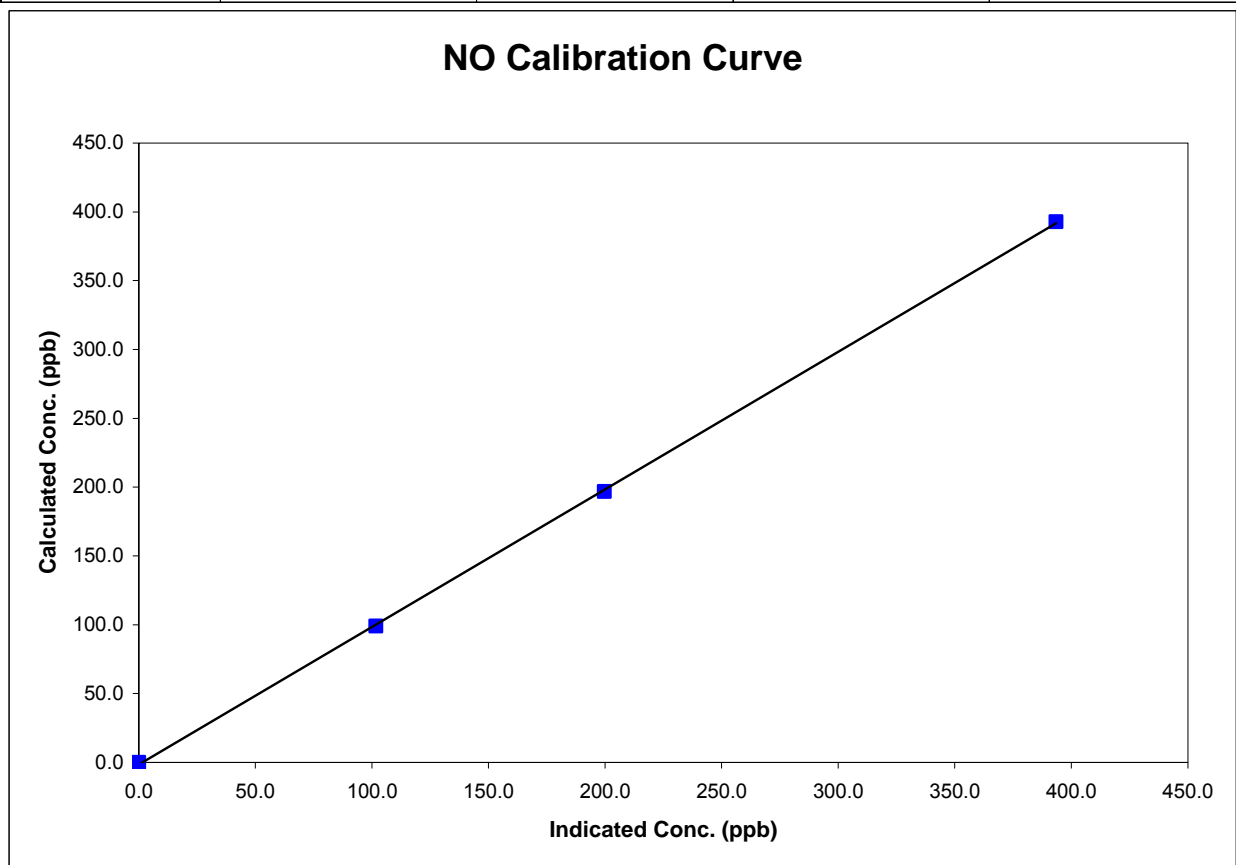


Station Information

Calibration Date	April 24, 2007	Previous Calibration	March 8, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	15:22	End Time (MST)	20:50
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A	Correlation Coefficient	0.999916
392.8	393.5	0.9982		
196.7	199.7	0.9847		
99.0	101.7	0.9726	Slope	0.999496
			Intercept	-1.530856



Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA



Station Information

Calibration Date	April 9, 2007	Previous Calibration	March 28, 2007
Station Number	5	Station Location	Valleyview
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	10:56	End Time (MST)	13:33
Barometric Pressure	27.5 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.934802	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.988859	Calculated slope	1.012312
Calculated intercept	-1.307787	Calculated intercept	3.137447
Analyzer make	Teco 43C	Analyzer serial #	43C-57351-313

	before		after	
Concentration range	1000	ppb	1000	ppb
Background coefficient	27.9	ppb	29.5	ppb
Lamp Voltage	0.778		0.735	
Chamber Temp	829	volts	695	volts
Pressure	31.2	Deg C	44.3	Deg C
Sample Flow	655.8	mm Hg	650	mm Hg
Lamp Intesity	478	ccm	462	ccm
	45000	mv	45500	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2393.1	0.0	-0.7	N/A
2560	2393.1	310.4	304.2	1.0202
5015	4688.0	158.4	153.8	1.0300
9000	8413.2	88.3	80.6	1.0951
zero	2388.4	0.0	0.0	As Found Zero
2555	2388.4	311.0	323.0	As Found Span
Average Correction Factor				1.0484

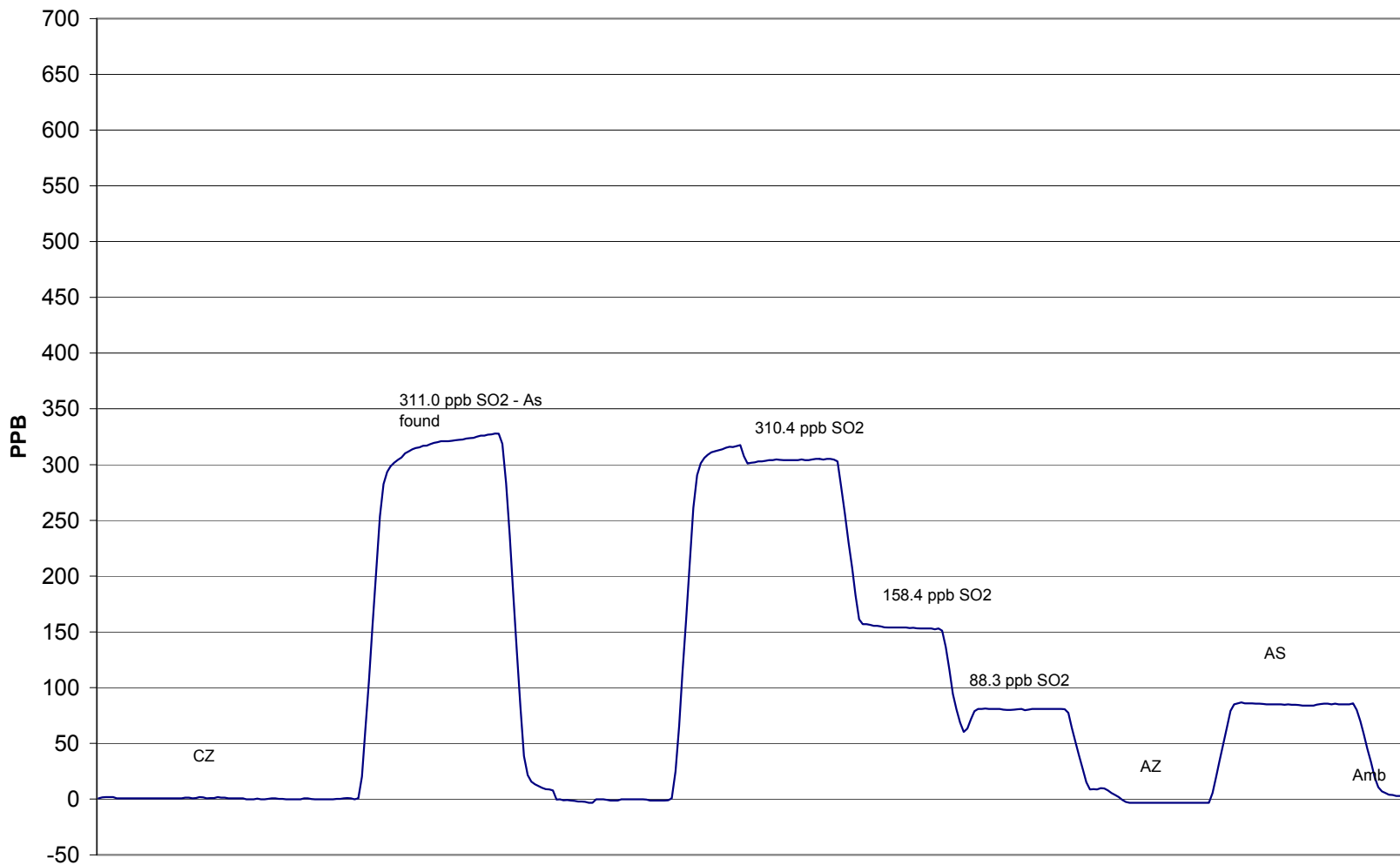
Calculated value of As Found Response: 318.107 ppm Percent Change of As Found: -2.3%

	before calibration		after calibration	
Auto zero	-1.4	ppm	-0.1	ppm
Auto span	475.6	ppm	89.0	ppm

Notes:

Calibration Performed By: Dawn Ewan

SO2 Calibration



April 9, 2007

Calibration ReportParameter **H2S**
Air Monitoring Network**PASZA****Station Information**

Calibration Date	April 9, 2007	Previous Calibration	March 29, 2007
Station Number	5	Station Location	Valleyview
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	10:56	End Time (MST)	13:33
Barometric Pressure	27.50 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Expiry Date	8/8/2006
Correction factor	0.934802	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 10 volt	DACS channel #	9
	<u>Before</u>		<u>After</u>
Calculated slope	0.992003	Calculated slope	1.013584
Calculated intercept	0.263975	Calculated intercept	0.475782
Analyzer make	43I	Analyzer serial #	701120010

	before		after	
Concentration range	100	ppb	100	ppb
Background coefficient		ppb	6.1	ppb
Lamp Voltage	673	volts	617	volts
Chamber Temp	45	Deg C	44.27	Deg C
Perm oven temp	34.8		45	
Pressure	673	mm Hg	638	mm Hg
Sample Flow	450	ccm	428	ccm
Lamp Intesity	89	%	91	%

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	2360.4	0.0	-0.1	N/A
2525	2360.4	71.6	70.2	1.0201
5120	4786.2	35.3	34.7	1.0181
9130	8534.7	19.8	18.4	1.0763
zero	2360.4	0.0	-0.1	As Found Zero
2525	2360.4	71.6	75.1	As Found Span
Average Correction Factor				1.0382

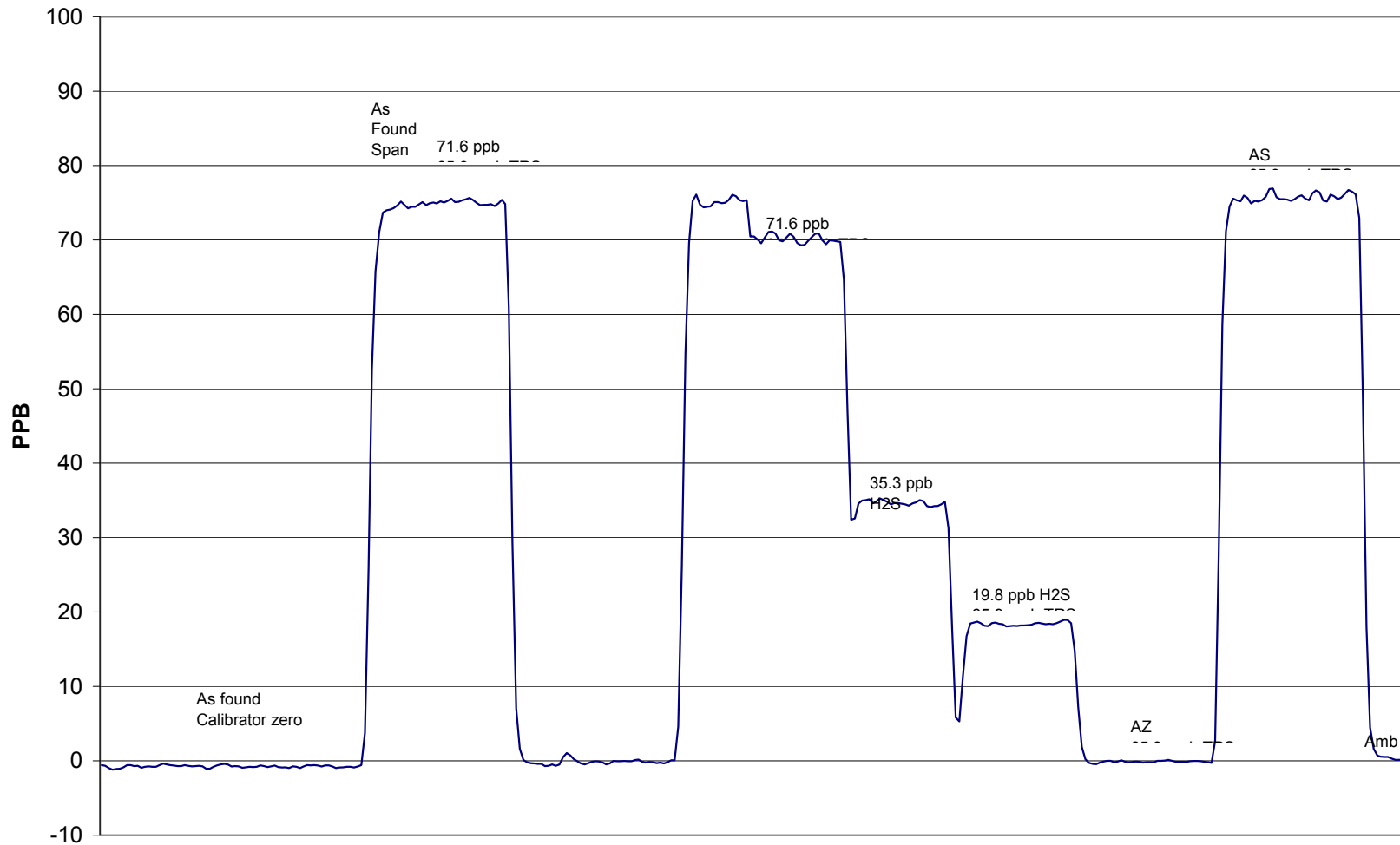
Calculated value of As Found Response: 74.84 ppm Percent Change of As Found: -4.6%

	before calibration		after calibration	
Auto zero	0.6	ppm	0.4	ppm
Auto span	77.1	ppm	77.3	ppm

Notes:

Calibration Performed By: Dawn Ewan

H2S Calibration



April 9, 2007