



Air Quality Monitoring Network for February 2007

Prepared by
FOCUS
 AMBIENT AIR MONITORING

Airshed Zone Association – February 2007 PASZA Ambient Air Report.....	2
PASZA Monthly Continuous Data Summary.....	8
PASZA - Henry Pirker - AQI Monthly Summary.....	14
PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary.....	15
PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary.....	20
PASZA - Henry Pirker - Nitric Oxide Monthly Summary.....	25
PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary.....	26
PASZA - Henry Pirker - Ozone Monthly Summary.....	31
PASZA - Henry Pirker - Ozone Eight-Hour Running Average Summary.....	36
PASZA - Henry Pirker - Carbon Monoxide Monthly Summary.....	37
PASZA - Henry Pirker - Carbon Monoxide Eight-Hour Running Average Summary.....	42
PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary.....	43
PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary.....	48
PASZA - Henry Pirker - Particulate Matter (less than 2.5 microns) Monthly Summary.....	53
PASZA - Henry Pirker - Relative Humidity Monthly Summary.....	58
PASZA - Henry Pirker - Temperature Monthly Summary.....	60
PASZA - Henry Pirker - Solar Radiation Monthly Summary.....	62
PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary.....	64
PASZA - Henry Pirker - Vector Wind Speed Monthly Summary.....	65
PASZA - Henry Pirker - Wind Direction Monthly Summary.....	66
PASZA - Henry Pirker - Standard Deviation of Wind Direction Monthly Summary.....	67
PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary.....	70
PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary.....	75
PASZA - Evergreen Park - Particulate Matter (less than 2.5 microns) Monthly Summary.....	80
PASZA - Evergreen Park - Temperature Monthly Summary.....	85
PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary.....	87
PASZA - Evergreen Park - Vector Wind Speed Monthly Summary.....	88
PASZA - Evergreen Park - Wind Direction Monthly Summary.....	89
PASZA - Evergreen Park - Standard Deviation of Wind Direction Monthly Summary.....	90
PASZA - Smoky Heights - Sulphur Dioxide Monthly Summary.....	93
PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary.....	98
PASZA - Smoky Heights - Particulate Matter (less than 2.5 microns) Monthly Summary.....	103
PASZA - Smoky Heights - Temperature Monthly Summary.....	108
PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary.....	110
PASZA - Smoky Heights - Vector Wind Speed Monthly Summary.....	111
PASZA - Smoky Heights - Wind Direction Monthly Summary.....	112
PASZA - Smoky Heights - Standard Deviation of Wind Direction Monthly Summary.....	113
PASZA - Beaverlodge - AQI Monthly Summary.....	116
PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary.....	117
PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary.....	122
PASZA - Beaverlodge - Nitric Oxide Monthly Summary.....	127
PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary.....	128
PASZA – Beaverlodge - Ozone Monthly Summary.....	133
PASZA - Beaverlodge - Ozone Eight Hour Running Average Summary.....	138
PASZA - Beaverlodge - Particulate Matter (less than 2.5 microns) Monthly Summary.....	139
PASZA – Beaverlodge - Relative Humidity Monthly Summary.....	144
PASZA - Beaverlodge - Temperature Monthly Summary.....	146
PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary.....	148



PASZA - Beaverlodge - Vector Wind Speed Monthly Summary	149
PASZA - Beaverlodge - Wind Direction Monthly Summary	150
PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary	151
PASZA - Portable-Falher - Sulphur Dioxide Monthly Summary	154
PASZA - Portable-Falher - Ozone Monthly Summary	159
PASZA - Portable-Falher - Ozone Eight Hour Running Summary	164
PASZA - Portable-Falher - Total Reduced Sulphur Monthly Summary	165
PASZA - Portable-Falher - Relative Humidity Monthly Summary	170
PASZA - Portable-Falher - Temperature Monthly Summary	172
PASZA - Portable-Falher - Scalar Wind Speed Monthly Summary	174
PASZA - Portable-Falher - Vector Wind Speed Monthly Summary	175
PASZA - Portable-Falher - Wind Direction Monthly Summary	176
PASZA - Portable-Falher - Standard Deviation of Wind Direction Monthly Summary	177
PASZA - Valleyview - Sulphur Dioxide Monthly Summary	180
PASZA - Valleyview - Hydrogen Sulphide Monthly Summary	185
PASZA - Valleyview - Relative Humidity Monthly Summary	190
PASZA - Valleyview - Temperature Monthly Summary	192
PASZA - Valleyview - Scalar Wind Speed Monthly Summary	194
PASZA - Valleyview - Vector Wind Speed Monthly Summary	195
PASZA - Valleyview - Wind Direction Monthly Summary	196
PASZA - Valleyview - Standard Deviation of Wind Direction Monthly Summary	197
PASZA Passive Stations for February 2007	200
February 2007 Calibration Reports	211



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March 29, 2007

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

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

Enclosed is the PASZA Ambient Monitoring Network Report for the month of **February 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 February the following events were noted:

Henry Pirker Station:

- ◆ The spans dropped after the calibration on February 6th on the THC analyzer due to not enough span gas pressure, the regulator pressure was adjusted on the 7th some of the cause of the instability is suspected to be the internal span supply settings and investigation is ongoing.
- ◆ The TRS spans drifted from February 14th to the end of the month, suspected reason is the pump and it is to be replaced in the month of April.
- ◆ The wind speed sensor had a total of thirty-eight (38) hours of invalid data due to the wind speed cups freezing on February 5th and 6th.
- ◆ All analyzers / sensors at the Henry Pirker station were above 90% uptime.
- ◆ The AQI for the month of February resulted in 638 hours of Good readings.

Evergreen Park Station:

- ◆ The DACS failed on February 12th to the 14th which resulted in forty-seven (47) hours of downtime for all parameters (SO₂, TRS, PM_{2.5}, temperature, wind speed and wind direction).
- ◆ On Feb 5 to Feb 6 the wind speed cups were frozen (thirty-four (34) hours). There was less than 90% uptime due to DACS failure as well, (total of eighty-one (81) hours down time) Alberta Environment reference #183406.
- ◆ The TRS span values dropped on February 22nd, a single point calibration was performed on February 26th and it is suspected that the pump got a little too warm which caused the downward drift.
- ◆ All analyzers / sensors (with the exception of the wind speed) at the Evergreen Park station were above 90% uptime.

Smoky Heights Station:

- ◆ A new SO₂ analyzer was installed (TEI 43I) to replace the old API analyzer. However, there was a problem with the new analyzers voltage output and seventy-two (72) hours of data was

invalidated resulting in less than 90% uptime for the analyzer; Alberta Environment reference # 183573.

- ◆ There was an elevated reading of PM_{2.5} on February 21st of 88 µg/m³, with winds out of the north-northeast at 11 km/hr.
- ◆ All analyzers / sensors (with the exception of the SO₂ analyzer) 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 640 hours of Good readings.

Portable - Falher Station:

- ◆ On January 30th a NO_x analyzer was installed, startup calibration was completed on February 3rd, however the zero & span configurations were not initiated (waiting for some parts) and data collection will not begin until March.
- ◆ All analyzers / sensors at the Falher station had an operational uptime of 100%.

Valleyview Station:

- ◆ The SO₂ data was reported to the nearest 0.01 ppm due to the condition of the analyzer. This analyzer will be replaced with a new one (March/April 2007).
- ◆ All analyzers / sensors at the Valleyview station had an operational uptime of 100%.

Passive Monitoring: 43 Stations throughout the PASZA zone:

There were no outstanding issues from the field notes for the month of February. 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 0.5 ppb to 1.6 ppb, with a mean of 1.0 ppb.
- Monthly average concentrations for NO₂ passives ranged from 1.0 ppb to 12.7 ppb, with a mean of 3.0 ppb.
- Monthly average concentrations for O₃ passives ranged from 28.3 ppb to 50.8 ppb, with a mean of 42.3 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



Michael Bisaga
PASZA Program Manager



Sharon Whiteley, B.Sc..
AQM Data Specialist



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March 19th, 2007

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

RE: PASZA Air Monitoring Directive Non-compliance Reports

Two non-compliances of the Alberta Air Monitoring Directive were recently reported by FOCUS to Alberta Environment (AENV) on behalf of the Peace Airshed Zone Association (PASZA). Attached please find the two reports associated with these events.

If there are any questions or concerns please contact me at 780 266-7068.

Sincerely,

Michael Bisaga
Airshed Program Manager
Peace Airshed Zone Association

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Air Monitoring Directive Non-Compliance Report

Alberta Environment
 Environmental Service Response Centre
 111 Twin Atria Building
 4999 – 98th Avenue
 Edmonton, Alberta T6B 2X3
 Phone: (780) 422-4505
 Fax: (780) 427-1044

Reference Number:	# 183573	Reported To (AENV Contact):	Diane Winchester
Date & Time Incident Reported to AENV:	March 12, 2007: 09:20	Reported By:	FOCUS - Sharon Whiteley
Reported on Behalf of:	PASZA	Approval Number (if applicable):	
Location(s) of Incident:	Smoky Heights Air Monitoring Station		
Start Date & Time of Incident:	February 19 th 2007 :19:00 hr	End Date & Time of Incident:	February 22 nd 2007 :18:00 hr
Reason or Nature of Incident:			
SO2 analyzer less than 90% operational uptime. Data lost due to unforeseen problems with the new analyzers voltage output.			
Immediate Actions Taken:			
The voltage outputs were re-configured to output proper voltages relating to the analyzers detector signal.			
Investigation Details:			
Manufacturer tech support was used to determine and fix the problem.			
Actions Taken to Prevent Reoccurrence (if any):			
Concerns raised from the manufacturers tech support prompted the return of the analyzer for evaluation & repair. A replacement analyzer is being provided.			
Additional Actions Required (if any):			
Ensure manufacturer rep bench tests the analyzers prior to deployment.			

Air Monitoring Directive Non-Compliance Report

Alberta Environment
Environmental Service Response Centre
111 Twin Atria Building
4999 – 98th Avenue
Edmonton, Alberta T6B 2X3
Phone: (780) 422-4505
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Reference Number:	# 183406	Reported To (AENV Contact):	Bev Ashton
Date & Time Incident Reported to AENV:	March 8, 2007: 08:39	Reported By:	FOCUS - Sharon Whiteley
Reported on Behalf of:	PASZA	Approval Number (if applicable):	
Location(s) of Incident:	Evergreen Park Air Monitoring Station		
Start Date & Time of Incident:	See below	End Date & Time of Incident:	See below
Reason or Nature of Incident:			
In reviewing the data for the month of February it was found that the wind speed sensor is less than 90% uptime (for a total of 81 hours) due to two separate events during the month of February, 2007. The first event was the wind speed cups were frozen Feb 5 th 06:00 to Feb 6 15:00. The second event was the DACS failure on Feb 12 15:00 to Feb 14 13:00.			
Immediate Actions Taken:			
Regarding the wind speed cups frozen – an attempt was made to free it but was unsuccessful. Regarding the DACS failure – a replacement was ordered immediately.			
Investigation Details:			
Actions Taken to Prevent Reoccurrence (if any):			
The DACS was replaced February 14 th .			
Additional Actions Required (if any):			

PASZA Monthly Continuous Data Summary

Feb-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	1.2	0	0	7.2	Feb-28 14:00	9.6	NNE	3.3	Feb-28	100.0%
SO ₂ (ppb)	172	57	Evergreen Park	0.9	0	0	5.4	Feb-15 10:00	4.0	SE	2.1	Feb-09	93.0%
SO ₂ (ppb)	172	57	Smoky Heights	1.2	0	0	7.9	Feb-14 19:00	17.8	SW	2.6	Feb-14	89.3%
SO ₂ (ppb)	172	57	Beaverlodge	1.5	0	0	8.0	Feb-28 20:00	4.9	NE	3.5	Feb-08	100.0%
SO ₂ (ppb)	172	57	Portable-Falher	0.6	0	0	6.2	Feb-08 11:00	18.4	ENE	2.4	Feb-08	100.0%
SO ₂ (ppm)	0.172	0.057	Valleyview	0.00	0	0	0.01	Feb-18 18:00	3.9	ENE	0.00	Feb-18	100.0%
NO (ppb)			Henry Pirker	12.1	-	-	220.6	Feb-02 08:00	5.6	N	61.0	Feb-02	100.0%
NO ₂ (ppb)	212	106	Henry Pirker	17.8	0	0	54.2	Feb-02 08:00	5.6	N	37.0	Feb-02	100.0%
NO _x (ppb)			Henry Pirker	29.9	-	-	275.6	Feb-02 08:00	5.6	N	98.0	Feb-02	100.0%
NO (ppb)			Beaverlodge	2.4	-	-	39.3	Feb-24 10:00	4.5	WNW	8.9	Feb-13	100.0%
NO ₂ (ppb)	212	106	Beaverlodge	8.7	0	0	34.0	Feb-03 18:00	1.3	SSE	20.2	Feb-03	100.0%
NO _x (ppb)			Beaverlodge	11.1	-	-	63.6	Feb-24 09:00	2.1	ESE	28.8	Feb-03	100.0%
O ₃ (ppb)	82		Henry Pirker	16.7	0	-	37.1	Feb-01 00:00	20.6	NNW	27.4	Feb-07	100.0%
O ₃ (ppb) - 8-hr		65	Henry Pirker			0					34.2	Feb-01	
O ₃ (ppb)	82		Beaverlodge	24.5	0	-	43.6	Feb-18 02:00	22.3	W	34.1	Feb-07	100.0%
O ₃ (ppb) - 8-hr		65	Beaverlodge			0					40.7	Feb-25	
O ₃ (ppb)	82		Portable-Falher	25.3	0	-	36.9	Feb-24 21:00	21.1	E	29.4	Feb-01	100.0%
O ₃ (ppb) - 8-hr		65	Portable-Falher			0					37.2	Feb-01	
CO (ppm)	13		Henry Pirker	0.30	0	-	1.6	Feb-02 08:00	5.6	N	0.6	Feb-02	100.0%
CO (ppm) - 8-hr		5	Henry Pirker			0					0.8	Feb-02	
THC (ppm)			Henry Pirker	2.35	-	-	3.5	Feb-02 08:00	5.6	N	3.1	Feb-03	100.0%
TRS (ppb)			Henry Pirker	0.3	-	-	1.3	Feb-03 13:00	6.7	W	0.7	Feb-03	100.0%
TRS (ppb)			Evergreen Park	0.9	-	-	4.7	Feb-24 05:00	3.5	WNW	1.5	Feb-03	93.0%
TRS (ppb)			Smoky Heights	0.5	-	-	1.3	Feb-14 17:00	15.6	WSW	0.7	Feb-14	100.0%
TRS (ppb)			Portable-Falher	0.5	-	-	0.7	Feb-14 20:00	18.3	SW	0.6	Feb-14	100.0%
H ₂ S (ppb)	10	3	Valleyview	0.1	0	0	1.3	Feb-28 13:00	7.0	NNW	0.3	Feb-13	100.0%
PM _{2.5} (µg/m ³)		30 a	Henry Pirker	4.4	0	0	24.4	Feb-14 13:00	11.5	SSE	10.6	Feb-14	100.0%
PM _{2.5} (µg/m ³)		30 a	Evergreen Park	4.7	0	0	35.0	Feb-24 11:00	3.5	W	12.1	Feb-24	93.0%
PM _{2.5} (µg/m ³)		30 a	Smoky Heights	5.1	0	0	88.2	Feb-21 20:00	10.7	NNE	9.5	Feb-26	100.0%
PM _{2.5} (µg/m ³)		30 a	Beaverlodge	3.6	0	0	17.7	Feb-23 22:00	3.3	ENE	7.7	Feb-23	99.6%

PASZA Monthly Continuous Data Summary - continued

Feb-2007		Peace Airshed Zone Association				Maximum Recorded Values							
						1-hr				24-hr / 8-hr			
RH (%)		Henry Pirker	72.3	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Beaverlodge	75.3	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Portable-Falher	78.3	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Valleyview	75.7	-	-	-	-	-	-	-	-	-	100.0%
SR (W/m ²)		Henry Pirker	58.9	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Henry Pirker	-12.4	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Evergreen Park	-12.0	-	-	-	-	-	-	-	-	-	93.0%
Temp (°C)		Smoky Heights	-13.1	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Beaverlodge	-11.6	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Portable-Falher	-13.8	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Valleyview	-11.6	-	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)		Henry Pirker	8.2	-	-	25.3	Feb-16 18:00	25.3	WSW	12.1	Feb-07	94.3%	
WSPD v (km/hr)		Evergreen Park	5.2	-	-	21.7	Feb-14 21:00	21.7	WSW	8.4	Feb-07	87.9%	
WSPD v (km/hr)		Smoky Heights	11.4	-	-	27.2	Feb-25 09:00	27.2	NNE	20.5	Feb-08	100.0%	
WSPD v (km/hr)		Beaverlodge	6.1	-	-	30.7	Feb-14 00:00	30.7	W	11.1	Feb-07	100.0%	
WSPD v (km/hr)		Portable-Falher	10.9	-	-	35.3	Feb-01 00:00	35.3	NE	20.0	Feb-13	100.0%	
WSPD v (km/hr)		Valleyview	5.9	-	-	25.1	Feb-01 00:00	25.1	NNE	10.9	Feb-14	100.0%	
WSPD s (km/hr)		Henry Pirker	8.8	-	-	25.3	Feb-16 18:00	25.3	WSW	12.7	Feb-20	94.3%	
WSPD s (km/hr)		Evergreen Park	5.6	-	-	21.8	Feb-14 21:00	21.8	WSW	8.5	Feb-07	87.9%	
WSPD s (km/hr)		Smoky Heights	11.5	-	-	27.3	Feb-25 09:00	27.3	NNE	20.5	Feb-08	100.0%	
WSPD s (km/hr)		Beaverlodge	6.2	-	-	30.7	Feb-14 00:00	30.7	W	11.3	Feb-07	100.0%	
WSPD s (km/hr)		Portable-Falher	11.0	-	-	35.3	Feb-01 00:00	35.3	NE	20.7	Feb-14	100.0%	
WSPD s (km/hr)		Valleyview	6.0	-	-	25.2	Feb-01 00:00	25.2	NNE	11.2	Feb-14	100.0%	
WDIR		Henry Pirker	N	-	-	-	-	-	-	-	-	100.0%	
WDIR		Evergreen Park	N	-	-	-	-	-	-	-	-	93.0%	
WDIR		Smoky Heights	N	-	-	-	-	-	-	-	-	100.0%	
WDIR		Beaverlodge	N	-	-	-	-	-	-	-	-	100.0%	
WDIR		Portable-Falher	E	-	-	-	-	-	-	-	-	100.0%	
WDIR		Valleyview	N	-	-	-	-	-	-	-	-	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 February 6th (CO and THC), February 7th (NO_x) and February 8th (TRS, SO₂ and O₃).

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	No operational problems observed.
THC	TEI	51-CLT	The spans dropped after the calibration on February 6 th on the THC analyzer due to not enough span gas pressure, the regulator pressure was adjusted on the 7 th some of the cause of the instability is suspected to be the internal span supply settings and the investigation continues.
TRS	TEI	42C	The TRS spans drifted from February 14 th to the end of the month, suspected reason is the pump and it is to be replaced during the month of April.
PM _{2.5}	R&P	1400AB	No operational problems observed.
RH	Met One	083D	No operational problems observed.
AT	Met One	083D	No operational problems observed.
SR	Met One	096-1	No operational problems observed.
WS	Met One	010C	The wind speed sensor had a total of a total of thirty-eight (38) hours of invalid data due to the wind speed cups freezing on February 5 th and 6 th .
WD	Met One	020C	No operational problems observed.

PASZA – Evergreen Park Station

General Station Issues

Calibrations were performed on February 12th, 14th (SO₂, TRS and PM_{2.5}) and 26th (TRS). DACS failed on February 12th and was replaced on February 14th resulting in forty-seven (47) hours of invalid data for all parameters (SO₂, TRS and PM_{2.5}, temperature, wind speed and wind direction).

Parameter	Make	Model	Notes
SO ₂	API	100	February 12 th DACS failure – forty-seven (47) hours of invalid data.
TRS	TEI	42C	February 12 th DACS failure – forty-seven (47) hours of invalid data. The TRS span values dropped on February 22 nd , a single point calibration was performed on February 26 th and it is suspected that the pump got a little too warm which caused the downward drift.
PM _{2.5}	R&P	1400AB	February 12 th DACS failure – forty-seven (47) hours of invalid data.
AT	Met One	083D	February 12 th DACS failure – forty-seven (47) hours of invalid data.
WS	Met One	010C	On Feb 5 to Feb 6 the wind speed cups were frozen (thirty-four (34) hours). February 12 th DACS failure – forty-seven (47) hours of invalid data. Total of eighty-one (81) hours down time - Alberta Environment reference #183406.
WD	Met One	020C	February 12 th DACS failure – forty-seven (47) hours of invalid data.

PASZA – Smoky Heights Station

General Station Issues

Calibrations were performed on February 19th (SO₂, TRS and PM_{2.5}).

Parameter	Make	Model	Notes
SO ₂	API	100A	A new SO ₂ analyzer was installed (TEI 43I) to replace the old API analyzer. However, there was a problem with the new analyzers voltage output and seventy-two (72) hours of data was invalidated - Alberta Environment reference # 183573.
TRS	TEI	42C	No operational problems observed.
PM _{2.5}	R&P	1400AB	No operational problems observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	No operational problems observed.
WD	Met One	020C	No operational problems observed.

PASZA – Beaverlodge Station

General Station Issues

Calibrations were performed on February 20th (NO_x and TEOM),; and February 23rd (SO₂, and O₃).

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	A power bump resulted in one (1) hour of invalid data on February 13 th . Two (2) hours were removed due to baseline drift.
AT	n/a	n/a	No operational problems observed.
RH	n/a	n/a	No operational problems observed.
WS	Blue Sky	857	No operational problems observed.
WD	Blue Sky	857	No operational problems observed.

PASZA – Falher (Portable) Station

General Station Issues

Calibrations were performed on February 3rd (NO_x) February 27th (SO₂ and O₃), and March 2nd (TRS).

Parameter	Make	Model	Notes
SO ₂	TEI	43C	No operational problems observed.
NOx/NO/NO ₂	TECO	43C	Start up calibraton; spans and zeros not initiated waiting for some parts (tubing and fittings). Data collection did not begin this month.
TRS	TEI	43C	No operational problems observed.
O ₃	TEI	49C	No operational problems observed.
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 – Valleyview Station

General Station Issues

Calibrations were performed on February 28th (SO₂, H₂S).

Parameter	Make	Model	Notes
SO ₂	ML	332	No operational problems observed.
H ₂ S	TEI	43C	No operational problems observed.
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: February 1, 2007 to March 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:	638
Number of 1-hr Fair Readings:	0
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

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

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

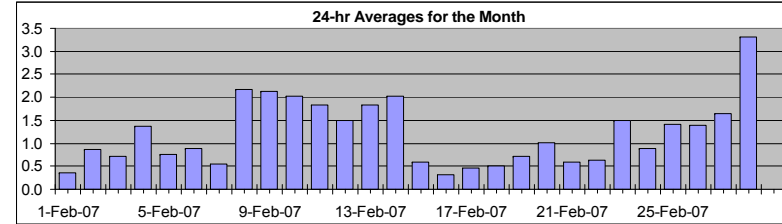
Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 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:	7.2	ppb	28-Feb	14:00	15:00
Maximum 24-hr Average:	3.3	ppb	28-Feb		



AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.2	2.8	1.7	0.9	0.5	0.3	0.2	1.2 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	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-Feb-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	1	1	1	0.4	0.7
2-Feb-07	1	1	1	1	1	1	1	1	1	2	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0.9	1.9
3-Feb-07	0	0	0	0	1	0	1	1	1	1	0	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.3
4-Feb-07	1	1	1	1	1	2	2	2	2	2	3	A	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1.4	2.8
5-Feb-07	1	1	0	0	1	0	0	0	0	0	0	A	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0.8	1.7
6-Feb-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	1	1	0.9	1.4
7-Feb-07	1	1	0	0	0	A	1	1	1	0	0	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0.5	0.7
8-Feb-07	1	1	1	1	2	A	2	2	2	2	3	3	C	C	C	A	3	3	3	2	2	2	2	3	2	2	2.2	3.3	
9-Feb-07	2	2	3	3	2	A	3	4	3	2	1	2	3	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2.1	3.7
10-Feb-07	2	2	2	1	A	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	3	4	4	2	2.0	4.5	
11-Feb-07	2	2	3	A	3	3	3	2	2	2	1	1	2	1	2	1	2	1	1	1	2	2	1	1	1	1	1	1.8	3.3
12-Feb-07	1	1	A	1	1	2	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1.5	2.0	
13-Feb-07	1	A	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8	2.2	
14-Feb-07	A	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	4	1	1	1	A	2.0	4.5		
15-Feb-07	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	A	0	0.6	1.1		
16-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.3	0.4		
17-Feb-07	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	A	1	1	0	0.5	0.9	
18-Feb-07	1	0	1	0	0	0	0	0	1	0	0	1	1	0	1	1	1	1	1	A	0	0	1	1	1	1	0.5	0.9	
19-Feb-07	1	0	2	2	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.7	2.7	
20-Feb-07	0	1	1	1	1	1	1	1	1	0	1	2	1	1	1	1	1	1	A	1	1	2	2	1	0	1.0	2.1		
21-Feb-07	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	A	0	0	2	3	0	0	0	0.6	3.4		
22-Feb-07	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	A	1	1	1	1	1	1	1	1	1	1	0.6	1.4	
23-Feb-07	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	A	2	2	2	1	1	1	1	1	1	1	1.5	3.4	
24-Feb-07	1	1	1	1	1	1	1	1	1	1	1	2	2	A	2	1	1	1	1	1	1	1	1	1	1	1	0.9	1.6	
25-Feb-07	1	1	0	1	1	1	1	1	1	1	2	2	1	A	1	1	1	1	1	1	3	4	4	2	2	1.4	3.6		
26-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	2	2	2	2	2	1	2	3	2	1	1	1.4	2.7	
27-Feb-07	1	1	1	1	1	1	2	2	2	2	A	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.7	2.4	
28-Feb-07	2	1	1	1	1	1	2	1	1	A	2	6	6	6	7	7	7	6	5	5	3	2	2	2	3	3.3	7.2		
Hourly Avg	0.9	0.8	1.0	0.9	0.9	1.0	1.2	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.4	1.5	1.5	1.4	1.4	1.3	1.4	1.3	1.1	1.0					
Hourly Max	2.1	2.1	3.3	2.8	2.6	2.9	3.0	3.7	2.8	2.8	2.9	6.0	6.0	7.0	7.2	6.9	6.1	5.2	5.2	3.2	3.6	4.5	4.2	2.9					

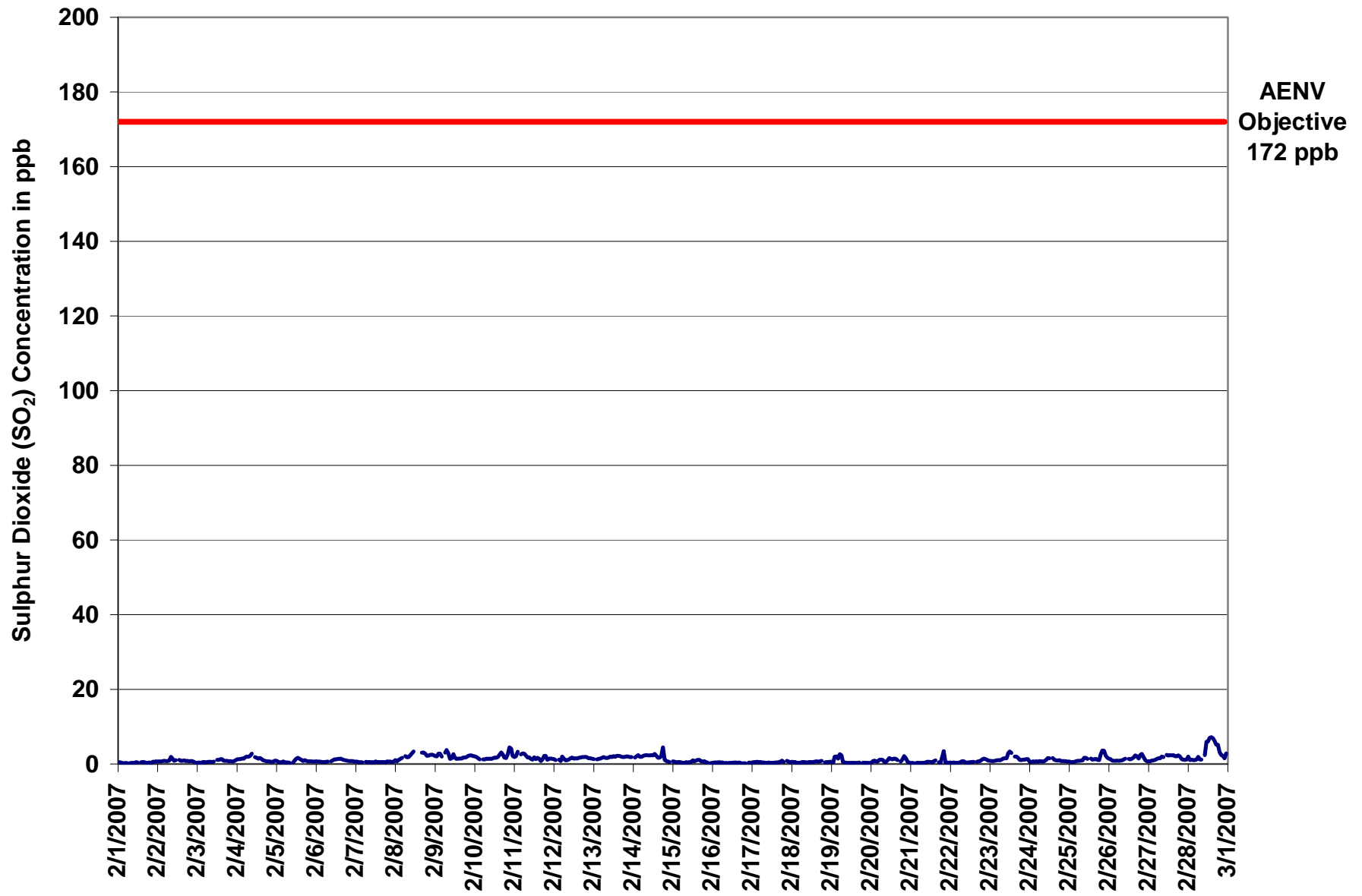


Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

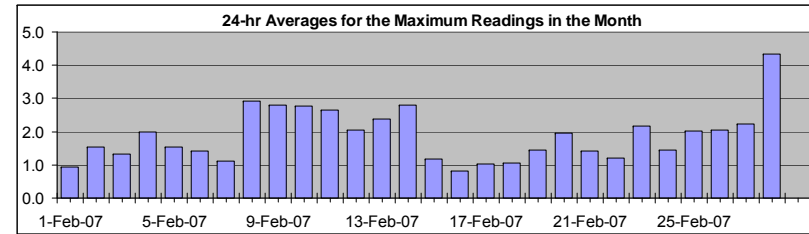
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	8.7	ppb	28-Feb	14:00 15:00
Maximum 24-hr Value:	4.3	ppb	28-Feb	



AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	7.2	3.7	2.4	1.5	1.1	0.8	0.7	1.9 ppb	1.5 ppb

Status Flag Characters

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

Day	Mountain Standard Time																									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-Feb-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	1	0.9	1.4
2-Feb-07	1	1	1	1	2	2	1	2	3	3	2	2	A	2	1	1	1	2	1	1	1	1	1	1	1	1.5	3.3
3-Feb-07	1	1	1	1	1	1	1	1	1	1	1	A	2	2	2	2	1	2	1	1	1	1	1	2	1.3	2.1	
4-Feb-07	2	2	2	2	2	2	3	3	3	A	3	2	2	2	2	2	2	1	1	1	1	1	1	3	2.0	3.3	
5-Feb-07	2	1	1	1	1	1	1	1	1	A	1	3	2	2	2	2	1	3	1	1	1	1	1	1	1.5	2.8	
6-Feb-07	1	1	1	1	1	1	1	1	A	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1.4	2.0	
7-Feb-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	1.4	
8-Feb-07	2	2	2	2	3	A	3	3	3	4	4	4	C	C	C	A	4	4	3	3	3	3	3	3	2.9	4.4	
9-Feb-07	3	3	3	3	3	A	4	4	4	2	2	4	3	2	2	2	2	2	2	2	3	3	3	3	2.8	4.3	
10-Feb-07	3	2	2	2	A	2	2	2	2	2	2	2	2	3	2	3	4	3	2	2	4	6	6	3	2.8	6.3	
11-Feb-07	3	4	4	A	3	3	3	3	2	3	3	2	3	2	2	2	1	3	3	4	2	3	2	2	2.7	4.0	
12-Feb-07	2	2	A	2	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2.1	2.8	
13-Feb-07	2	A	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	2	3	3	2	2	2	2.4	2.9	
14-Feb-07	A	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	4	7	2	1	1	1	A	2.8	7.1	
15-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	A	1	1.2	1.8	
16-Feb-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	0.8	1.0	
17-Feb-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	1.0	1.4	
18-Feb-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	1.1	1.5	
19-Feb-07	1	1	3	3	2	4	4	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.4	4.3	
20-Feb-07	1	1	2	2	1	2	2	2	1	1	2	3	2	2	2	2	2	A	1	3	5	5	1	1	2.0	5.0	
21-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	A	1	1	3	8	1	1	1	1.4	8.5	
22-Feb-07	1	1	1	1	1	1	1	1	2	1	1	1	1	1	A	1	1	1	2	2	2	2	1	1	1.2	2.0	
23-Feb-07	1	1	1	1	1	2	2	2	2	2	2	4	5	4	A	3	3	2	2	1	2	2	2	2	2.2	4.7	
24-Feb-07	1	1	1	1	1	1	1	1	1	1	2	2	2	A	2	1	1	2	2	1	1	1	1	1	1.4	2.3	
25-Feb-07	1	1	1	1	1	1	1	1	2	3	3	2	A	2	2	2	2	2	1	3	5	4	4	2	2.0	4.7	
26-Feb-07	2	2	2	1	1	1	2	2	1	2	2	A	2	2	2	2	3	3	2	4	3	3	2	1	2.1	4.0	
27-Feb-07	1	1	1	1	2	2	2	2	2	3	A	3	3	3	3	3	3	2	3	3	2	2	2	2	2.2	3.1	
28-Feb-07	3	2	2	2	2	2	3	2	2	A	5	7	7	9	9	8	7	6	6	4	3	3	2	4	4.3	8.7	
Hourly Avg	1.5	1.5	1.6	1.5	1.5	1.7	1.8	1.7	1.7	1.8	1.9	2.3	2.2	2.2	2.1	2.1	2.0	2.1	2.1	2.1	2.3	2.1	1.8	1.6			
Hourly Max	2.9	3.6	4.0	3.4	3.4	4.3	4.3	4.2	3.9	3.6	5.1	7.4	7.4	8.6	8.7	8.1	7.2	6.0	7.1	4.2	8.5	5.9	6.3	3.7			

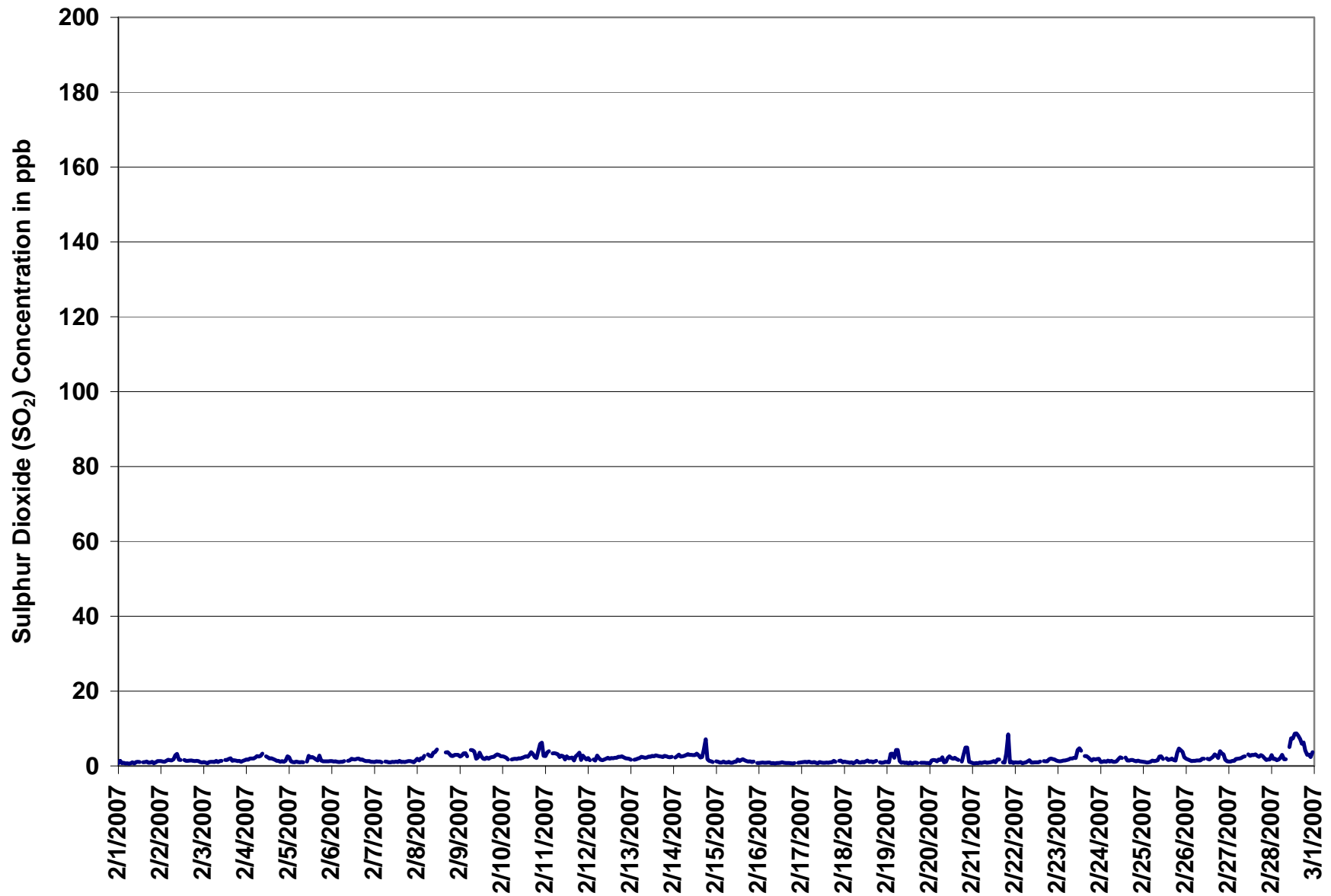
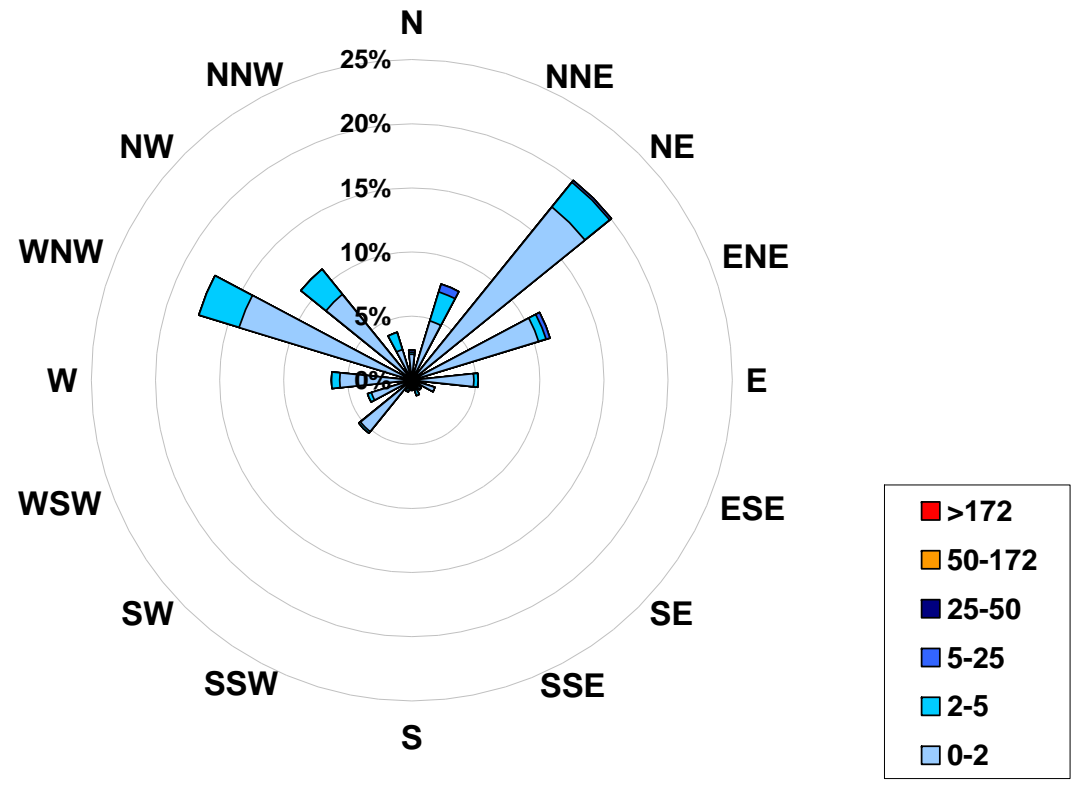


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2		534
2	to 5		97
5	to 25		8
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			639

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

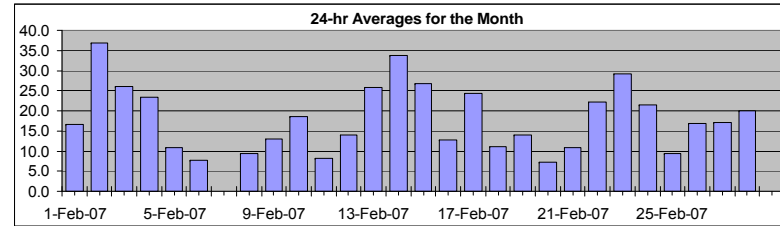
Monitoring Dates: February 1, 2007 to March 1, 2007

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:	54.2	ppb	2-Feb	8:00 9:00
Maximum 24-hr Average:	37.0	ppb	2-Feb	

AIC Time:	30 hrs		Operational Time:	637 hrs					
Calibration Time:	5 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	45.8	39.8	27.0	14.2	8.3	4.8	2.4	17.8 ppb	14.2 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-Feb-07	1	3	2	2	4	6	11	15	17	13	14	24	17	A	15	15	17	31	35	37	26	25	22	31	16.6	36.6
2-Feb-07	37	41	39	41	41	41	40	42	54	47	33	31	A	22	12	28	40	41	43	41	35	36	34	31	37.0	54.2
3-Feb-07	26	28	19	21	26	23	28	29	29	21	20	A	13	13	16	21	30	36	38	36	35	30	29	32	26.0	37.8
4-Feb-07	37	36	36	35	35	34	32	31	34	31	A	19	11	10	11	12	14	13	13	21	20	24	17	23.3	36.9	
5-Feb-07	19	13	10	8	8	9	12	15	15	A	14	18	17	15	9	13	12	10	6	6	6	5	6	6	10.8	19.0
6-Feb-07	6	5	5	5	6	6	10	12	A	10	8	7	6	7	6	9	9	10	10	10	9	9	7	6	7.7	12.3
7-Feb-07	6	5	5	5	5	A	11	13	14	9	8	C	C	C	C	C	A	10	11	9	9	8	7	6	N	14.4
8-Feb-07	6	5	5	5	5	A	10	10	10	9	7	8	8	8	8	9	10	14	17	16	15	11	10	8	9.3	16.6
9-Feb-07	7	8	8	7	8	A	15	29	34	30	20	9	6	7	8	12	12	16	15	13	11	9	9	9	13.1	33.5
10-Feb-07	10	12	12	15	A	27	32	32	33	31	25	28	12	13	12	10	16	14	17	15	17	16	13	14	18.5	32.5
11-Feb-07	8	8	9	A	9	11	15	14	7	8	7	7	6	6	5	6	7	8	9	10	9	8	8	7	8.3	14.7
12-Feb-07	6	6	A	8	9	9	15	19	24	15	9	9	11	7	8	9	12	17	17	16	20	32	26	20	14.0	32.2
13-Feb-07	17	A	19	13	13	18	24	33	40	31	11	30	39	24	15	17	22	27	28	32	30	37	36	37	25.8	39.7
14-Feb-07	A	36	38	40	35	37	40	42	40	44	47	41	38	51	30	26	28	30	30	34	16	10	11	A	33.8	50.6
15-Feb-07	8	5	9	7	7	10	31	26	32	19	20	29	40	35	42	44	48	43	44	44	30	30	A	14	26.8	48.5
16-Feb-07	5	3	3	3	3	6	12	17	13	9	9	11	13	13	18	17	27	16	12	12	16	A	24	36	12.8	36.4
17-Feb-07	37	43	44	42	38	47	28	17	10	8	9	9	9	9	13	13	12	25	33	30	A	38	26	24	24.4	47.0
18-Feb-07	31	27	16	9	11	15	11	8	2	2	2	3	3	2	3	4	8	24	17	A	13	16	16	13	11.2	31.3
19-Feb-07	9	7	6	7	8	12	22	21	14	11	6	6	6	5	6	7	11	16	A	28	31	31	27	26	14.0	31.2
20-Feb-07	23	6	7	5	4	7	10	7	6	4	3	3	3	2	2	7	8	A	15	13	11	9	8	6	7.3	22.8
21-Feb-07	5	5	6	6	7	9	13	20	17	12	8	7	7	6	5	7	A	14	18	18	17	16	16	11	10.8	19.8
22-Feb-07	10	11	16	14	26	29	34	36	36	26	17	13	13	11	12	A	14	18	27	25	39	37	28	18	22.2	38.8
23-Feb-07	23	26	31	27	26	27	30	34	36	30	22	17	11	13	A	32	34	32	27	34	34	39	43	42	29.1	42.9
24-Feb-07	30	30	28	29	22	27	29	28	23	19	21	29	26	A	28	14	21	21	14	13	11	11	8	8	21.5	30.4
25-Feb-07	8	6	5	6	6	8	8	9	8	8	7	6	A	7	4	5	8	15	14	14	18	27	15	5	9.4	26.9
26-Feb-07	5	12	13	13	21	10	11	31	26	20	16	A	8	7	8	11	12	20	24	24	20	20	30	24	16.9	30.6
27-Feb-07	18	18	12	15	14	15	17	34	48	38	A	11	7	6	6	9	8	13	17	28	23	14	12	15	17.2	48.5
28-Feb-07	22	18	17	15	21	26	22	32	29	A	11	8	6	8	9	10	10	13	29	39	38	33	27	16	19.9	38.7
Hourly Avg	15.6	15.6	15.5	14.8	15.5	18.8	20.5	23.4	24.1	19.4	14.3	15.3	13.4	12.1	12.0	14.1	17.2	20.3	21.5	22.6	20.7	21.4	19.2	17.9		
Hourly Max	37.4	42.6	43.9	42.5	40.6	47.0	40.0	42.2	54.2	46.7	47.4	41.5	40.4	50.6	42.0	43.6	48.5	42.9	43.7	44.2	38.8	39.3	42.9	42.2		

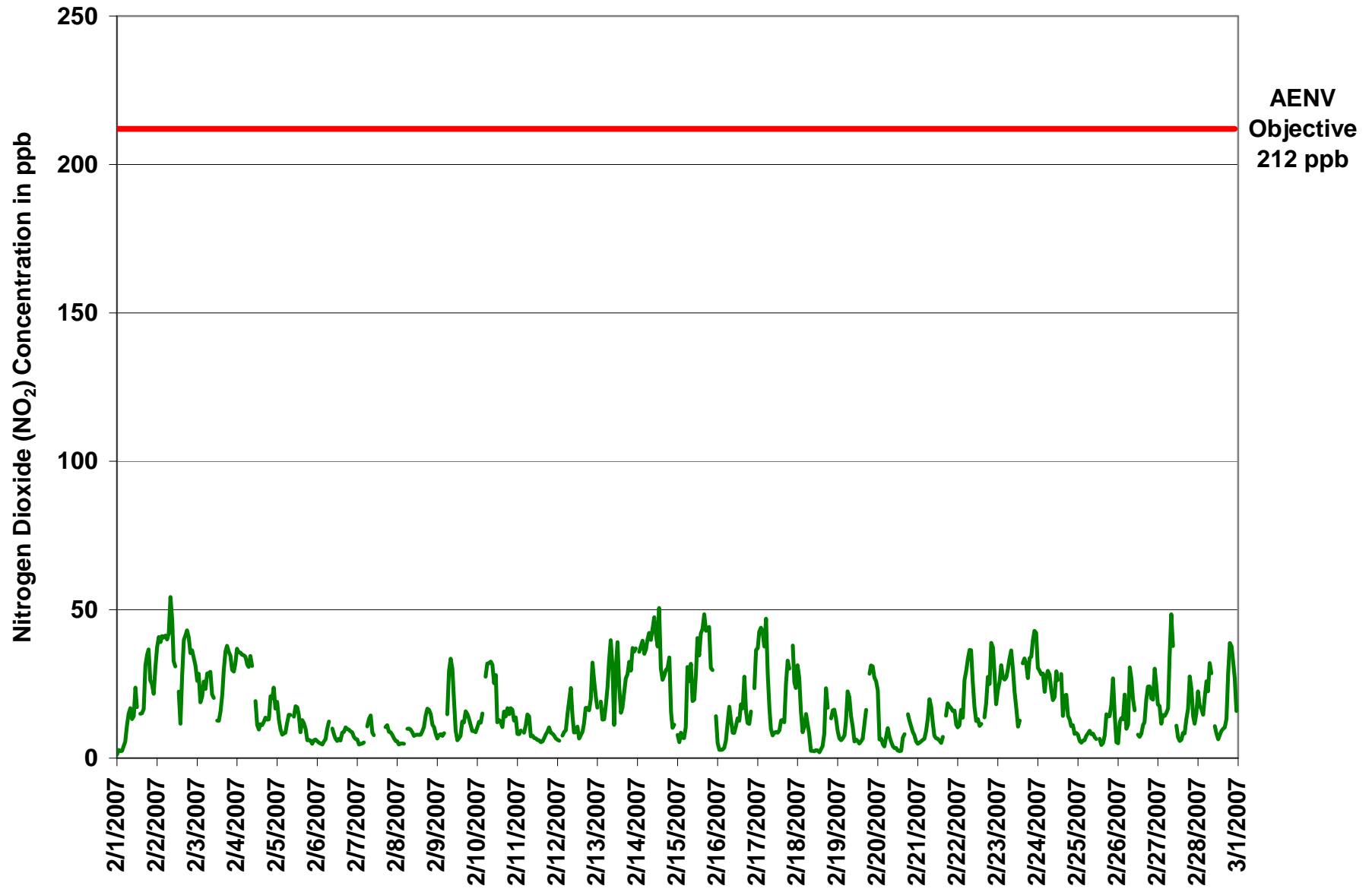


Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

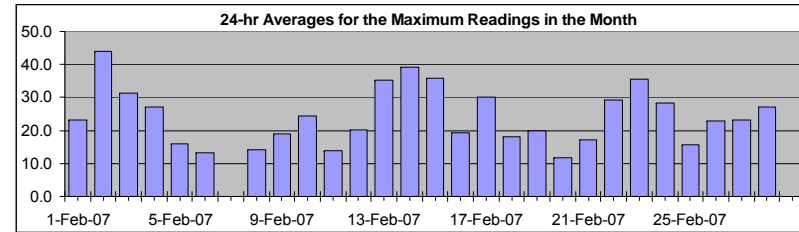
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	89.8	ppb	13-Feb	9:00 10:00
Maximum 24-hr Value:	44.1	ppb	2-Feb	



AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
Day	55.5	46.2	34.0	20.8	13.7	8.0	3.8	24.0 ppb	20.8 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-Feb-07	2	14	7	7	8	10	21	27	22	20	29	30	20	A	22	21	28	38	38	40	35	33	25	37	23.2	40.1
2-Feb-07	42	43	42	45	44	49	46	56	80	66	44	35	A	27	19	44	44	43	47	45	38	39	39	35	44.1	79.9
3-Feb-07	33	34	28	26	31	31	34	36	32	28	31	A	17	17	21	28	36	39	41	39	37	32	32	35	31.3	41.2
4-Feb-07	38	38	36	36	35	36	34	34	37	35	A	29	17	14	18	15	15	17	15	17	26	24	33	21	27.0	38.4
5-Feb-07	29	17	13	11	12	11	20	21	26	A	18	21	21	21	16	19	19	19	7	9	9	7	11	10	15.9	29.4
6-Feb-07	10	10	8	10	12	14	15	19	A	16	15	16	13	13	11	16	12	15	16	17	12	15	12	11	13.3	19.4
7-Feb-07	17	11	10	9	10	A	22	24	22	15	13	C	C	C	C	C	A	15	19	15	14	16	14	10	N	24.3
8-Feb-07	12	8	9	8	8	A	16	20	15	13	13	13	12	13	12	13	15	20	23	21	19	16	15	12	14.2	22.9
9-Feb-07	15	12	15	11	10	A	24	42	41	36	27	17	11	10	10	23	16	22	25	19	17	13	13	12	19.1	41.7
10-Feb-07	14	15	18	24	A	33	37	36	35	34	33	35	24	18	17	16	22	17	24	23	24	29	15	16	24.3	36.7
11-Feb-07	13	12	11	A	11	14	18	24	14	14	12	15	9	13	11	12	14	14	15	17	12	14	16	12	13.8	24.2
12-Feb-07	10	10	A	12	18	14	21	27	31	22	12	11	16	10	16	20	18	23	22	20	28	38	34	27	20.1	38.2
13-Feb-07	25	A	27	16	15	23	34	38	59	90	17	40	49	32	19	22	32	37	35	36	41	42	39	41	35.1	89.8
14-Feb-07	A	39	43	41	38	40	41	46	47	50	54	50	43	58	43	31	31	35	34	39	24	14	18	A	39.1	57.9
15-Feb-07	16	9	17	15	10	16	41	39	38	29	33	57	54	44	47	53	55	50	50	48	40	38	A	25	35.9	57.5
16-Feb-07	10	4	4	4	5	11	20	24	24	13	14	19	19	16	27	21	39	34	17	15	19	A	39	47	19.3	47.0
17-Feb-07	44	48	47	45	45	52	44	29	13	10	11	12	12	13	21	18	16	35	37	35	A	40	37	27	30.0	52.5
18-Feb-07	39	30	22	15	15	27	32	38	4	4	4	5	4	3	6	8	22	30	24	A	17	24	22	20	18.0	39.1
19-Feb-07	17	13	14	10	9	17	39	27	18	19	9	11	9	6	8	9	16	25	A	34	38	38	36	32	19.8	38.7
20-Feb-07	32	7	8	6	5	13	14	11	8	6	5	5	8	5	4	21	14	A	22	21	18	13	12	10	11.7	32.0
21-Feb-07	9	14	12	15	12	13	21	26	25	17	13	13	11	8	13	22	A	22	25	22	27	20	21	14	17.2	26.7
22-Feb-07	15	16	25	20	50	40	37	46	50	30	25	17	18	15	15	A	17	26	32	31	46	46	37	22	29.3	49.8
23-Feb-07	26	28	39	37	34	34	32	37	41	35	26	25	16	18	A	39	38	43	40	39	45	46	48	48	35.5	48.4
24-Feb-07	37	32	39	36	27	32	31	32	28	27	27	41	36	A	37	20	28	33	17	18	21	24	14	12	28.4	41.3
25-Feb-07	12	10	10	12	10	11	12	16	13	13	10	16	A	13	11	19	12	21	19	18	31	32	31	7	15.6	32.0
26-Feb-07	7	25	19	20	29	18	25	36	30	27	21	A	13	9	14	19	16	25	29	31	25	24	37	31	22.9	36.7
27-Feb-07	23	23	14	21	19	22	25	40	53	49	A	20	8	7	8	16	12	20	22	37	34	20	14	27	23.3	52.7
28-Feb-07	31	34	22	19	29	32	32	37	38	A	18	14	12	17	17	18	16	21	42	42	42	35	35	20	27.0	42.1
Hourly Avg	21.4	20.6	20.7	19.6	20.5	24.4	28.1	31.8	31.2	27.6	20.5	22.7	19.0	16.8	17.9	21.7	23.2	27.4	27.2	27.7	27.3	27.1	25.9	23.1		
Hourly Max	44.0	48.3	46.7	45.1	49.8	52.5	45.6	55.7	79.9	89.8	53.9	57.5	54.4	57.9	47.5	53.4	55.0	49.9	49.5	48.1	45.7	45.7	48.4	48.4		

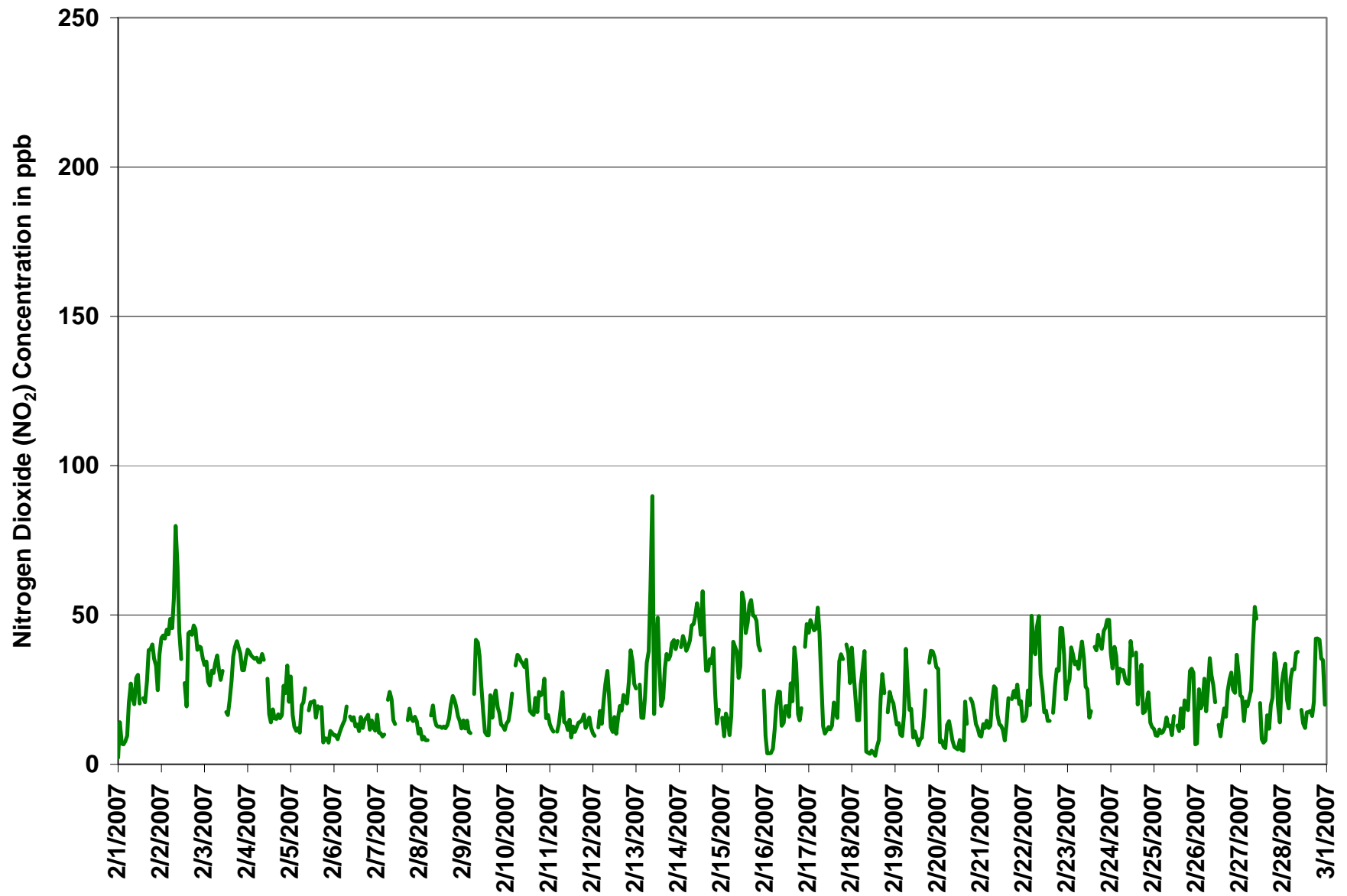
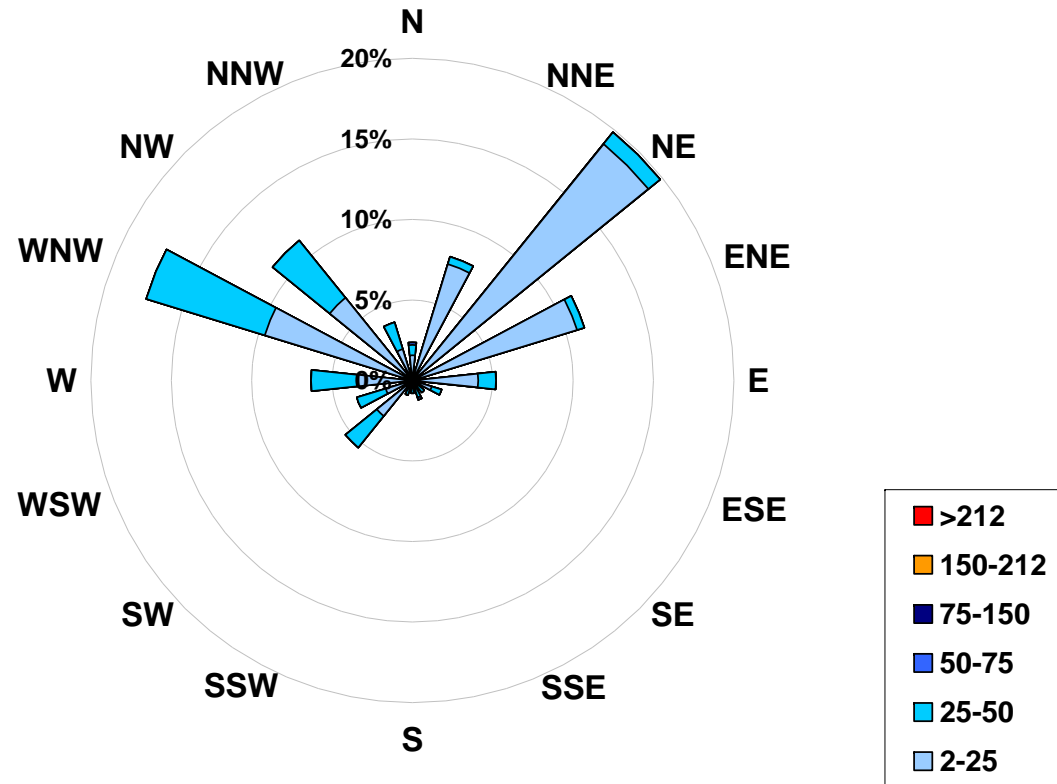


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		540
25	to 50		59
50	to 75		21
75	to 150		15
150	to 212		1
	> 212		1
Total Non-Zero Values			637

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

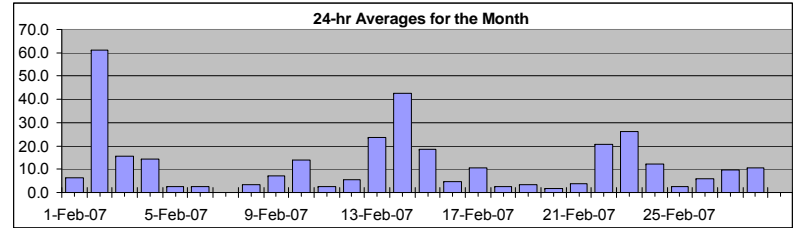
Nitric Oxide (NO)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	220.6	ppb	2-Feb	8:00 9:00
Maximum 24-hr Average:	61.0	ppb	2-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	84.5	58.4	11.9	4.1	1.5	0.3	0.0	12.1 ppb	4.1 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	0	1	1	1	0	0	0	1	0	2	8	25	16	A	11	8	5	14	13	24	5	3	1	7	6.5	25.3
2-Feb-07	23	38	41	68	79	73	68	84	221	174	78	61	A	27	5	32	64	32	77	75	20	27	24	12	61.0	220.6
3-Feb-07	4	6	1	2	4	5	11	15	15	14	25	A	12	13	15	17	28	35	58	29	21	6	6	13	15.4	57.8
4-Feb-07	52	37	31	27	24	18	13	17	35	28	A	13	8	6	7	4	3	1	1	1	2	1	1	0	14.4	51.6
5-Feb-07	1	0	0	0	1	0	1	1	2	A	5	12	14	8	3	5	3	1	1	1	1	0	0	1	2.7	13.6
6-Feb-07	2	2	2	1	2	1	3	4	A	3	4	4	4	4	3	4	3	3	2	3	2	3	2	2	2.7	4.1
7-Feb-07	2	1	1	1	1	A	3	5	4	3	3	C	C	C	C	C	A	4	3	3	3	3	3	2	N	5.1
8-Feb-07	3	2	2	2	2	A	4	5	3	4	5	6	6	5	5	6	4	4	4	3	3	2	2	1	3.5	6.2
9-Feb-07	1	2	2	1	1	A	2	12	33	47	21	8	5	5	5	7	4	2	1	1	0	0	0	0	7.0	46.6
10-Feb-07	0	0	0	0	A	3	22	28	49	76	42	49	9	11	7	5	6	2	2	1	1	2	0	0	13.9	76.5
11-Feb-07	0	0	0	A	0	1	2	3	2	3	4	5	4	4	4	4	4	3	2	3	3	3	2	2	2.6	4.7
12-Feb-07	2	1	A	2	3	2	3	6	7	7	6	7	11	6	7	7	6	7	4	4	5	12	6	4	5.3	11.6
13-Feb-07	3	A	3	2	1	2	6	19	74	60	9	65	83	39	17	16	17	13	9	14	11	29	22	27	23.6	83.5
14-Feb-07	A	17	28	45	26	33	58	72	64	95	109	78	61	107	39	23	29	29	13	10	1	1	A	42.7	108.9	
15-Feb-07	0	0	0	0	0	1	8	6	10	7	13	25	51	30	44	55	69	26	29	41	6	4	A	1	18.5	69.5
16-Feb-07	0	0	0	0	0	0	1	3	3	2	4	7	11	12	18	12	22	4	1	1	1	A	1	7	4.8	21.9
17-Feb-07	3	16	32	29	7	22	4	1	1	2	3	3	3	4	5	4	4	11	13	6	A	54	12	2	10.5	54.3
18-Feb-07	27	6	0	0	0	0	1	1	0	1	1	1	1	1	1	2	4	8	2	A	1	2	1	1	2.7	27.0
19-Feb-07	2	1	1	1	0	1	5	3	3	6	3	4	4	4	4	4	4	4	A	2	8	10	4	4	3.5	10.2
20-Feb-07	4	0	0	0	0	1	2	2	1	1	2	2	3	2	2	5	4	A	3	4	3	1	1	1	1.9	4.5
21-Feb-07	1	1	1	2	2	1	3	6	5	6	6	6	6	5	4	6	A	5	5	4	5	3	2	1	3.8	6.1
22-Feb-07	2	1	1	0	12	16	37	75	79	41	26	16	18	14	12	A	7	7	8	5	41	46	12	2	20.8	78.7
23-Feb-07	3	2	13	6	5	7	20	36	64	46	35	24	14	16	A	41	33	22	6	11	16	33	69	85	26.3	84.8
24-Feb-07	9	6	9	10	3	11	16	9	11	14	25	50	35	A	35	8	11	6	2	2	2	2	2	2	12.2	49.5
25-Feb-07	1	1	1	1	2	1	1	2	3	3	4	5	A	4	3	3	3	4	1	1	3	6	1	0	2.4	5.8
26-Feb-07	0	1	1	1	2	0	0	16	16	17	18	A	8	6	6	7	5	7	5	4	2	2	6	3	5.8	18.5
27-Feb-07	1	1	0	1	1	1	1	19	94	59	A	10	4	3	3	4	3	3	2	4	3	1	1	2	9.6	93.7
28-Feb-07	1	1	1	0	3	9	9	27	32	A	7	7	5	7	7	6	5	4	15	39	43	10	4	1	10.6	42.6
Hourly Avg	5.4	5.4	6.4	7.6	6.7	8.4	10.9	17.0	30.8	27.8	18.0	19.8	16.0	13.7	10.5	11.5	13.4	9.7	10.5	11.0	7.8	9.9	6.9	6.8		
Hourly Max	51.6	37.9	41.0	67.9	79.4	73.0	67.7	84.1	220.6	174.4	108.9	78.1	83.5	106.6	44.4	55.5	69.5	35.4	76.6	75.2	42.6	54.3	68.7	84.8		

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

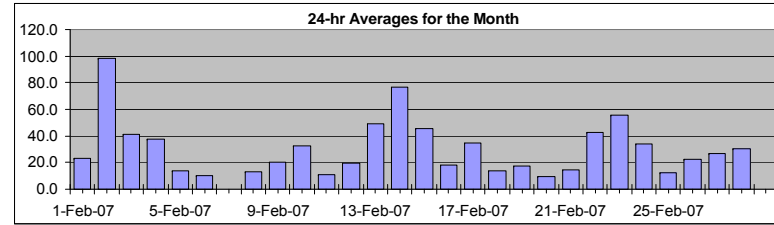
Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	275.6	ppb	2-Feb	8:00 9:00
Maximum 24-hr Average:	98.0	ppb	2-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	126.7	95.8	37.3	17.8	11.3	6.1	3.2	29.9 ppb	17.8 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			
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-Feb-07	1	4	4	3	5	6	11	16	17	16	23	49	34	A	26	24	22	46	48	61	32	28	23	38		23.3	60.8	
2-Feb-07	60	79	80	109	120	114	108	126	276	222	111	92	A	50	17	59	103	73	120	116	55	63	57	43		98.0	275.6	
3-Feb-07	30	34	20	22	30	28	40	44	44	36	45	A	25	26	31	39	57	71	96	65	55	36	35	44		41.4	95.8	
4-Feb-07	89	73	67	62	58	52	45	48	70	59	A	33	20	16	19	15	15	14	14	23	21	25	17			37.7	88.6	
5-Feb-07	20	13	10	9	9	9	13	16	17	A	19	29	31	23	12	18	15	12	7	7	7	5	7	8		13.7	31.0	
6-Feb-07	7	7	7	6	7	8	13	16	A	13	12	11	10	11	10	13	12	13	12	13	11	11	9	8		10.4	16.0	
7-Feb-07	8	6	6	6	7	A	14	18	18	11	11	C	C	C	C	C	A	14	15	12	12	10	9	8		N	18.3	
8-Feb-07	8	6	6	7	7	A	14	15	13	13	12	14	14	12	13	15	15	18	20	19	18	13	12	10		12.8	20.5	
9-Feb-07	8	10	10	8	9	A	17	41	67	77	41	18	12	12	12	20	16	18	16	14	12	10	10	9		20.2	76.7	
10-Feb-07	11	12	12	16	A	31	55	61	82	108	68	77	22	24	19	15	22	17	19	16	18	19	13	14		32.6	108.1	
11-Feb-07	9	8	10	A	9	12	17	17	10	10	11	11	10	11	9	10	10	11	11	14	11	11	10	9		10.9	16.7	
12-Feb-07	8	7	A	9	12	12	17	25	31	22	15	16	22	12	15	16	18	24	21	20	25	44	32	25		19.4	44.0	
13-Feb-07	20	A	22	15	15	21	30	52	113	92	20	96	123	64	32	33	39	40	37	46	40	66	58	64		49.5	122.6	
14-Feb-07	A	53	66	85	61	69	98	114	104	138	156	120	99	157	69	50	57	59	43	44	17	11	12	A		76.5	157.1	
15-Feb-07	8	6	9	7	7	11	39	32	42	26	32	54	91	64	86	99	118	69	73	86	37	34	A	15		45.4	118.0	
16-Feb-07	5	3	3	3	4	6	13	20	15	11	13	18	24	24	36	29	49	20	13	13	17	A	25	44		17.8	49.5	
17-Feb-07	40	59	76	72	45	69	33	18	11	9	11	12	12	13	18	17	16	36	46	37	A	92	37	25		35.0	92.2	
18-Feb-07	58	33	16	9	11	15	12	9	3	3	3	4	4	3	4	6	12	31	19	A	14	18	17	14		14.0	58.3	
19-Feb-07	11	8	7	7	8	13	28	23	18	16	9	10	10	9	9	10	15	20	A	31	39	41	31	30		17.6	41.1	
20-Feb-07	27	6	7	5	4	8	12	9	7	6	6	6	5	4	4	12	12	A	18	17	14	10	9	7		9.2	27.0	
21-Feb-07	5	7	7	8	9	10	16	25	23	18	13	13	13	11	9	13	A	20	24	21	22	19	18	13		14.6	25.4	
22-Feb-07	12	12	17	14	38	46	71	112	115	66	43	29	32	24	24	A	21	25	35	31	80	84	40	20		43.0	115.0	
23-Feb-07	26	28	44	34	31	34	50	70	100	77	57	41	24	28	A	73	66	54	33	44	50	72	112	127		55.4	126.9	
24-Feb-07	40	36	37	39	25	38	46	37	34	34	46	79	61	A	64	22	32	27	16	16	13	13	10	10		33.7	78.8	
25-Feb-07	9	7	7	7	8	9	10	11	11	12	11	11	A	10	7	9	11	19	15	15	21	33	16	6		12.0	32.9	
26-Feb-07	5	13	14	14	23	10	11	47	42	37	35	A	16	13	14	18	18	27	29	29	22	21	36	28		22.7	47.0	
27-Feb-07	19	18	12	15	15	16	18	53	142	97	A	21	11	9	10	13	11	16	19	32	26	16	13	17		26.8	142.0	
28-Feb-07	24	19	17	15	24	35	31	59	60	A	18	15	12	15	17	16	16	17	44	77	80	43	31	15		30.4	80.2	
Hourly Avg	21.1	21.0	22.0	22.5	22.2	27.3	31.4	40.5	55.0	47.2	32.4	35.1	29.4	25.8	22.6	25.6	30.7	30.1	32.0	33.7	28.5	31.4	26.2	24.6				
Hourly Max	88.6	78.7	80.1	109.2	120.2	114.4	107.8	126.2	275.6	221.6	156.3	119.6	122.6	157.1	86.5	99.1	118.0	73.1	119.6	116.0	80.2	92.2	111.7	126.9				

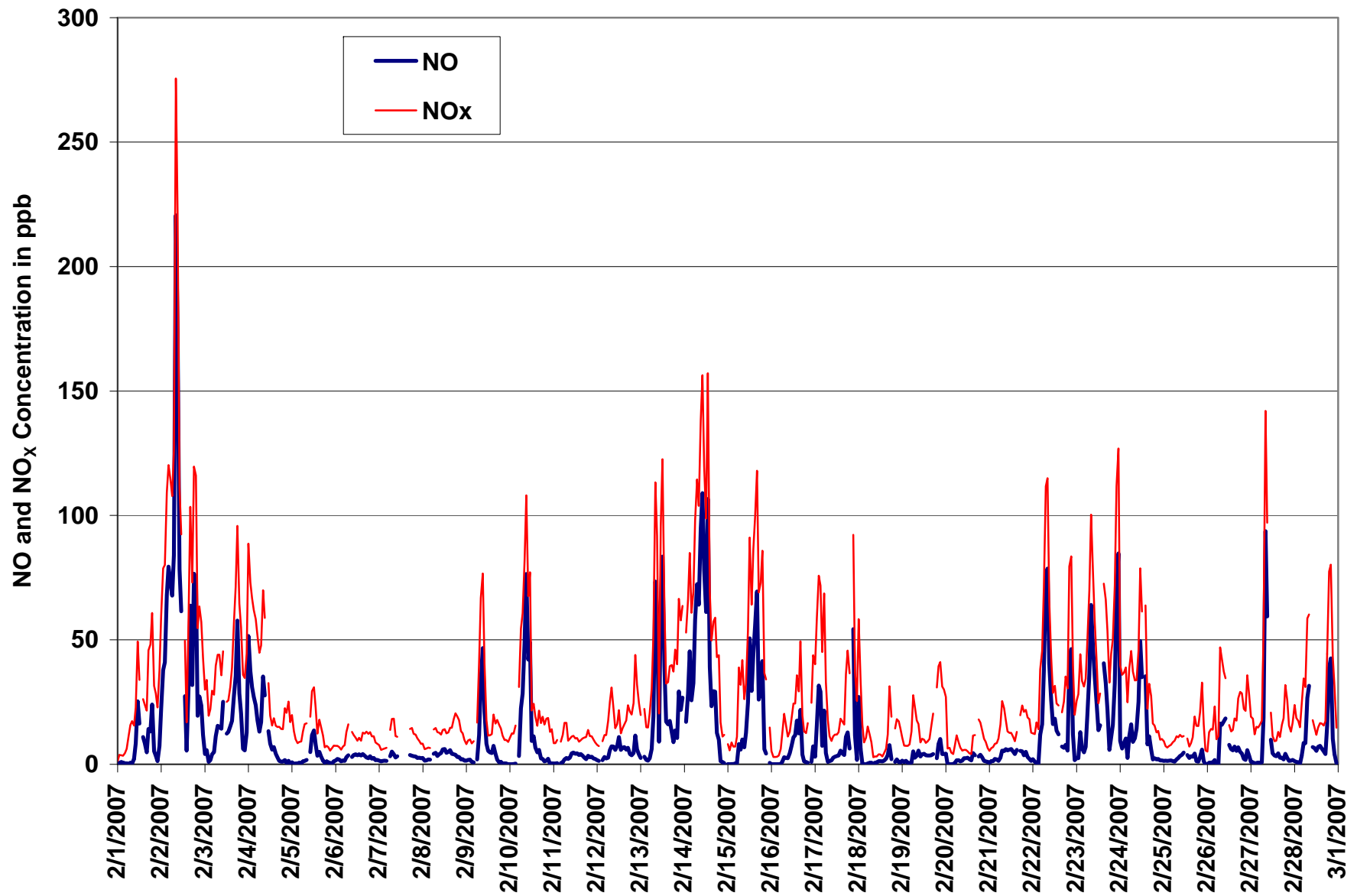


Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

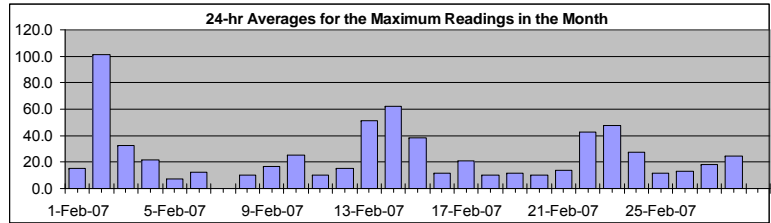
Nitric Oxide (NO)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	355.1	ppb	2-Feb	9:00 10:00
Maximum 24-hr Value:	101.5	ppb	2-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	144.6	89.8	27.7	13.4	7.1	1.3	0.4	24.9 ppb	13.4 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	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-Feb-07	0	10	6	5	7	2	1	2	1	5	31	40	23	A	20	16	13	40	31	44	22	9	3	16	15.2	44.3	
2-Feb-07	49	50	63	83	128	105	115	145	330	355	158	82	A	36	15	81	87	51	102	119	31	51	67	30	101.5	355.1	
3-Feb-07	14	18	9	7	12	21	37	34	36	37	62	A	20	20	22	28	59	77	97	51	36	13	12	31	32.7	96.8	
4-Feb-07	61	48	35	31	29	28	25	34	46	43	A	23	15	10	21	9	6	2	4	5	10	3	11	1	21.7	60.6	
5-Feb-07	3	1	1	2	3	2	7	6	12	A	9	17	23	16	9	13	11	14	2	3	2	2	7	7	7.4	23.1	
6-Feb-07	13	12	13	15	11	7	22	13	A	13	12	18	15	10	13	14	13	8	9	11	8	12	10	12	12.4	22.2	
7-Feb-07	8	7	12	13	11	A	21	22	14	13	13	C	C	C	C	C	A	10	16	19	13	12	12	10	N	21.9	
8-Feb-07	13	9	7	8	7	A	15	17	10	9	12	20	14	13	11	18	11	8	7	5	9	5	4	6	10.4	19.8	
9-Feb-07	8	9	11	5	3	A	6	27	85	76	37	17	12	13	9	22	16	9	3	4	1	1	2	1	16.4	85.1	
10-Feb-07	0	0	1	3	A	10	51	51	67	92	63	76	33	34	18	14	13	6	10	5	7	31	1	2	25.6	92.0	
11-Feb-07	2	1	2	A	1	2	6	8	10	11	16	23	9	13	15	13	13	11	9	12	11	15	11	13	9.9	23.0	
12-Feb-07	7	9	A	9	10	8	8	26	17	16	14	11	18	11	17	22	9	19	8	9	14	60	13	13	15.2	60.3	
13-Feb-07	8	A	9	8	4	8	17	50	204	239	15	97	115	65	24	24	46	29	19	26	34	64	32	45	51.4	239.0	
14-Feb-07	A	33	50	57	39	50	67	101	115	121	144	109	87	134	72	43	43	55	31	20	3	2	1	A	62.5	143.5	
15-Feb-07	1	1	1	1	1	1	17	17	17	17	31	127	109	53	68	100	107	63	53	61	17	17	A	3	38.3	127.3	
16-Feb-07	0	0	0	0	0	1	8	14	13	6	15	14	20	18	33	21	43	24	2	1	1	A	4	24	11.5	43.2	
17-Feb-07	17	30	46	45	18	36	15	6	2	3	4	7	6	6	14	8	8	37	28	18	A	86	45	5	21.3	86.1	
18-Feb-07	80	17	1	1	1	1	20	25	2	1	2	4	2	2	3	4	30	11	7	A	3	9	5	2	10.2	80.2	
19-Feb-07	12	8	11	4	1	3	27	9	13	21	5	12	10	6	7	6	8	16	A	8	27	29	18	11	11.7	28.5	
20-Feb-07	12	0	1	0	1	2	4	4	4	3	26	5	28	12	3	20	11	A	21	34	14	9	12	10	10.2	34.2	
21-Feb-07	5	11	9	15	8	8	15	14	20	18	14	21	12	8	19	27	A	17	15	10	23	10	14	6	13.8	26.5	
22-Feb-07	15	7	2	2	74	51	70	119	169	60	56	26	27	21	18	A	10	11	17	20	76	91	34	3	42.5	168.6	
23-Feb-07	4	4	38	23	14	17	32	65	90	62	53	46	24	25	A	64	45	68	39	25	51	60	111	129	47.4	129.4	
24-Feb-07	35	11	38	29	9	44	34	14	30	27	43	80	50	A	57	15	20	18	5	13	17	16	9	12	27.2	79.7	
25-Feb-07	9	15	9	8	10	10	10	15	12	10	8	23	A	13	10	37	9	10	6	4	11	18	7	0	11.4	37.1	
26-Feb-07	0	3	1	3	4	2	2	32	22	26	31	A	19	9	15	22	17	13	21	17	5	6	14	13	12.8	31.6	
27-Feb-07	3	2	1	2	3	3	4	49	124	97	A	23	6	5	5	12	4	5	13	15	8	9	8	13	18.0	123.6	
28-Feb-07	3	3	3	1	12	18	31	40	64	A	13	14	17	20	23	15	23	13	46	86	86	22	14	2	24.7	86.5	
Hourly Avg	14.2	11.8	14.2	14.0	15.6	17.6	24.6	34.2	56.7	53.1	34.0	37.4	28.6	22.9	20.7	25.7	26.0	23.9	23.0	23.9	20.0	24.5	17.7	15.6			
Hourly Max	80.2	50.4	62.8	83.1	128.1	104.6	115.4	145.2	330.5	355.1	157.7	127.3	114.7	134.2	71.8	100.2	106.6	77.3	101.9	118.8	86.5	90.6	111.4	129.4			

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

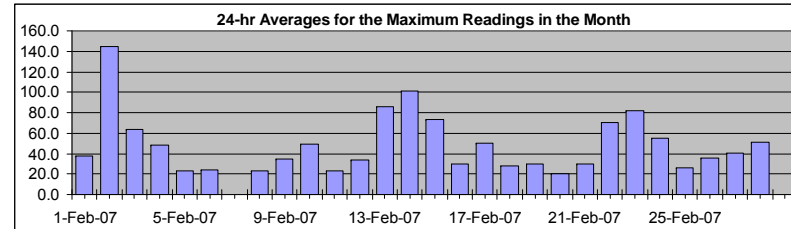
Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	421.8	ppb	2-Feb	9:00 10:00
Maximum 24-hr Value:	144.5	ppb	2-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	198.2	130.2	59.5	32.4	21.9	11.7	5.4	48.1 ppb	32.4 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	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-Feb-07	2	23	12	12	13	12	22	30	23	24	60	68	44	A	42	37	37	78	68	83	57	42	28	53	37.8	83.4
2-Feb-07	92	94	105	128	171	153	157	201	408	422	199	116	A	61	34	121	130	93	145	164	70	89	105	65	144.5	421.8
3-Feb-07	47	52	36	32	43	50	70	69	67	65	93	A	37	36	42	56	95	116	138	88	73	44	43	66	63.4	138.5
4-Feb-07	98	85	72	67	64	63	57	68	82	75	A	51	31	23	38	23	20	19	19	19	35	26	44	21	47.9	98.0
5-Feb-07	32	17	14	14	14	13	27	23	38	A	27	38	42	37	25	30	30	34	10	12	10	10	12	15	22.7	41.9
6-Feb-07	22	22	19	26	23	21	33	30	A	27	25	31	28	23	23	27	26	21	22	26	19	25	22	24	24.5	32.9
7-Feb-07	24	17	22	23	19	A	43	46	36	25	24	C	C	C	C	A	25	32	35	27	26	27	20	N	46.0	
8-Feb-07	23	17	16	16	14	A	31	35	24	19	24	32	26	26	22	29	24	26	29	27	29	20	18	16	23.6	34.7
9-Feb-07	19	21	26	15	13	A	29	68	126	112	64	34	22	22	19	45	28	25	27	21	19	14	14	12	34.5	125.7
10-Feb-07	14	15	20	27	A	43	88	86	100	126	96	111	57	42	33	28	34	23	32	28	28	59	16	18	48.9	125.6
11-Feb-07	14	13	12	A	12	15	23	32	24	25	27	37	16	26	25	25	25	25	24	28	20	28	21	25	22.7	37.1
12-Feb-07	15	15	A	21	26	20	27	53	47	36	24	21	34	21	33	42	27	41	27	28	36	97	48	40	33.8	97.5
13-Feb-07	34	A	33	23	19	27	51	88	257	328	32	137	162	96	43	46	78	66	54	61	74	102	69	86	85.4	327.7
14-Feb-07	A	72	93	97	76	89	109	148	160	170	197	158	130	191	115	75	74	88	64	58	26	15	20	A	101.2	197.4
15-Feb-07	16	10	18	15	10	18	58	56	55	46	63	184	163	97	115	152	158	113	98	108	57	55	A	28	73.7	184.3
16-Feb-07	10	4	4	4	5	12	23	33	36	18	26	34	39	34	60	40	79	58	19	16	20	A	44	71	30.0	78.6
17-Feb-07	60	78	91	89	59	88	59	35	15	13	15	17	18	19	33	26	22	68	64	53	A	125	81	32	50.5	124.8
18-Feb-07	119	47	24	15	15	28	52	63	6	5	6	8	6	5	9	12	52	40	29	A	21	31	23	21	27.7	118.7
19-Feb-07	25	21	25	12	10	19	57	34	29	40	14	23	18	12	15	14	23	38	A	42	64	66	54	44	30.3	65.9
20-Feb-07	45	8	9	6	6	15	17	15	12	8	21	10	24	14	7	40	24	A	43	55	30	18	24	18	20.4	55.1
21-Feb-07	11	25	21	29	18	22	33	40	46	34	25	34	24	16	32	49	A	39	40	32	49	25	33	18	30.1	49.0
22-Feb-07	30	19	27	21	121	87	104	162	218	90	81	43	46	35	32	A	27	36	48	49	121	135	70	25	70.8	217.9
23-Feb-07	30	31	77	59	48	51	64	102	130	97	79	71	39	43	A	104	83	111	79	63	95	104	154	177	82.3	177.0
24-Feb-07	72	43	77	65	36	76	66	46	59	54	69	118	87	A	91	33	49	51	22	29	37	40	23	23	55.0	117.5
25-Feb-07	21	24	19	20	19	21	20	30	26	23	17	40	A	25	20	47	20	31	26	22	43	48	38	7	26.4	48.3
26-Feb-07	7	28	20	23	33	18	27	67	52	52	52	A	33	19	29	41	32	37	49	49	29	27	50	43	35.5	66.8
27-Feb-07	26	25	15	22	22	23	29	86	176	146	A	44	15	12	13	28	15	24	34	50	42	24	22	36	40.3	175.7
28-Feb-07	33	37	23	19	41	46	62	76	100	A	31	27	30	37	40	33	37	33	88	127	127	57	49	19	51.0	127.0
Hourly Avg	34.8	31.9	34.4	33.3	35.1	41.2	51.3	65.1	87.1	80.0	53.6	59.4	46.8	38.9	38.1	46.3	48.0	50.3	49.3	50.9	46.6	50.2	42.7	37.8		
Hourly Max	118.7	93.6	105.0	127.6	170.6	153.4	156.6	201.4	408.2	421.8	198.7	184.3	163.3	191.5	115.2	152.3	158.4	115.7	145.4	164.3	126.9	135.2	154.5	177.0		

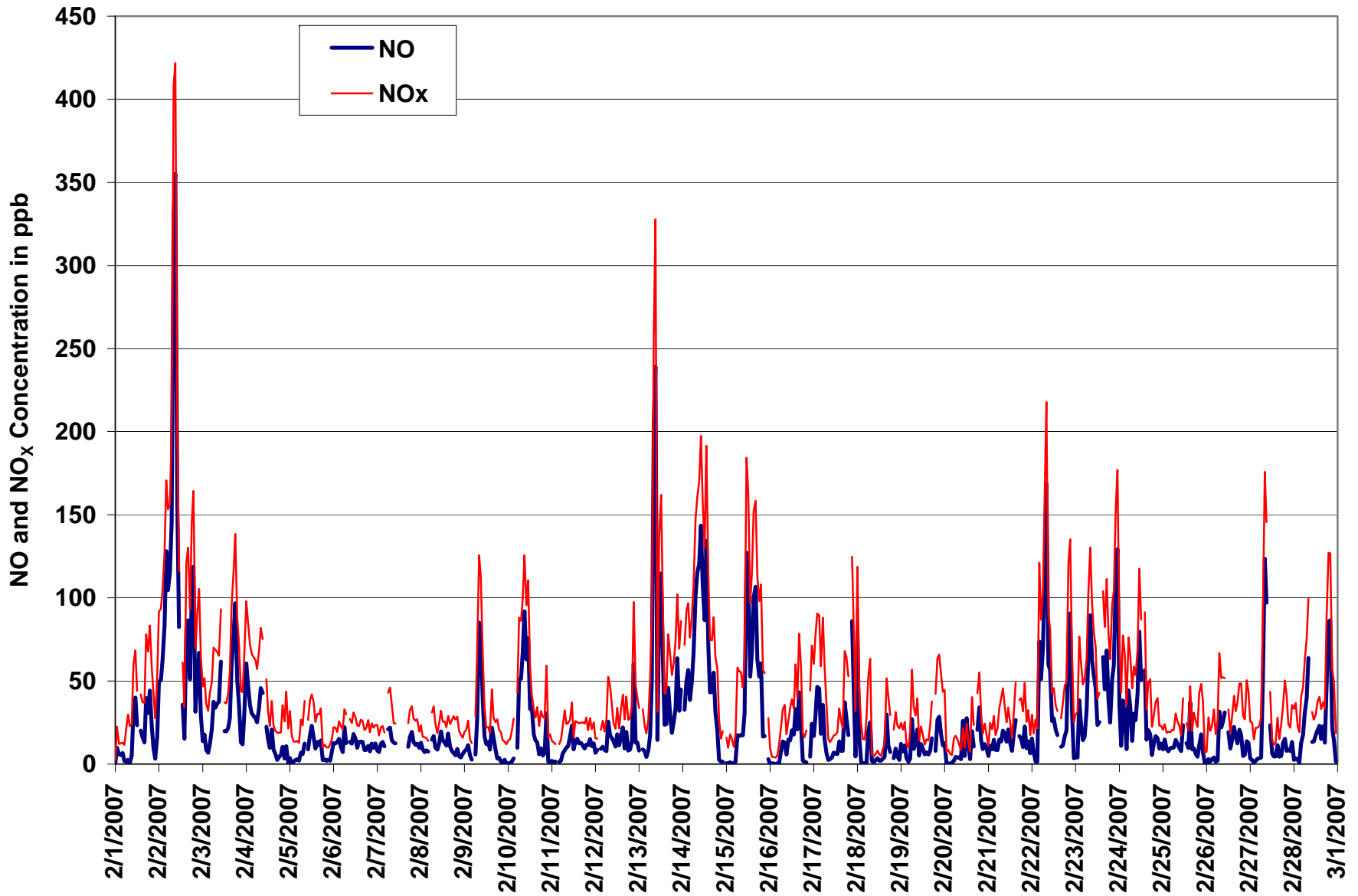


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

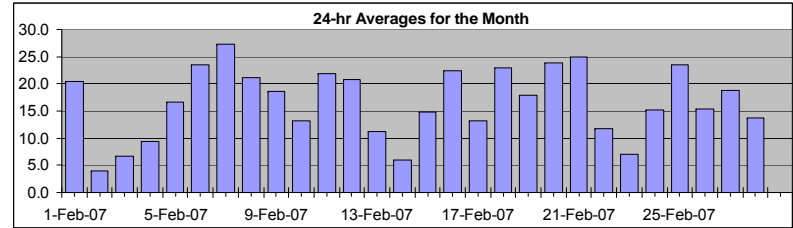
Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Number of 1-hr Exceedances:	0		
Maximum 1-hr Average:	37.1 ppb	1-Feb	0:00 1:00
Maximum 24-hr Average:	27.4 ppb	7-Feb	

AIC Time:	30 hrs	Operational Time:	638 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	31.8	29.9	24.5	18.9	7.9	0.0	0.0	16.6 ppb	18.9 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	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-Feb-07	37	34	33	33	32	31	27	23	20	24	24	17	22	A	18	28	14	4	2	1	0	1	1	0	1	20.4	37.1
2-Feb-07	1	0	0	0	0	0	0	1	1	2	6	8	A	18	28	14	4	2	1	0	1	1	0	1	3.9	28.2	
3-Feb-07	5	4	11	10	5	6	2	2	2	9	12	A	21	21	19	14	7	1	0	0	0	1	1	0	6.7	21.4	
4-Feb-07	0	0	0	0	0	0	0	0	0	2	A	13	18	21	20	20	19	18	19	19	12	12	8	14	9.4	21.0	
5-Feb-07	12	16	18	19	19	19	16	14	13	A	14	12	13	15	19	15	16	18	20	19	19	20	19	19	16.7	19.9	
6-Feb-07	21	24	25	24	24	23	19	17	A	21	22	24	25	25	26	24	24	22	23	24	25	25	26	27	23.5	27.0	
7-Feb-07	27	30	31	31	30	A	24	22	21	27	28	30	30	30	31	30	28	26	25	26	24	25	26	27	27.4	31.3	
8-Feb-07	26	25	24	24	23	A	20	20	20	21	22	22	C	C	C	C	A	18	17	17	18	21	22	23	21.2	26.0	
9-Feb-07	24	23	23	23	22	A	17	7	2	5	15	23	25	25	24	21	19	15	16	17	19	20	20	20	18.6	25.4	
10-Feb-07	18	16	17	15	A	1	0	0	0	2	7	10	21	21	22	21	18	18	15	17	14	14	17	15	13.2	22.2	
11-Feb-07	22	21	16	A	15	13	10	12	22	22	24	25	25	25	27	28	26	25	24	23	24	24	25	26	21.8	27.7	
12-Feb-07	26	27	A	27	26	25	20	16	12	20	25	26	25	27	27	26	23	19	18	19	15	5	10	14	20.8	27.5	
13-Feb-07	17	A	16	20	20	16	11	3	1	8	21	14	14	18	21	20	15	9	7	2	5	0	0	0	11.2	21.5	
14-Feb-07	A	0	0	0	0	0	0	0	0	2	4	6	7	5	7	9	9	3	2	4	22	27	25	A	6.0	27.3	
15-Feb-07	28	31	28	30	30	27	9	14	9	20	21	17	11	13	8	6	3	3	0	0	7	5	A	20	14.8	31.4	
16-Feb-07	28	23	22	23	23	21	18	18	22	26	26	25	23	24	22	22	13	26	30	30	26	A	18	7	22.4	30.3	
17-Feb-07	6	1	0	0	2	0	11	20	26	30	30	30	30	28	24	24	23	10	1	2	A	0	4	3	13.2	30.1	
18-Feb-07	0	2	17	32	32	27	30	30	29	29	29	28	29	30	30	29	25	13	17	A	20	16	16	19	22.9	31.8	
19-Feb-07	23	24	26	25	24	19	12	12	17	21	25	25	25	26	26	25	21	16	A	5	3	3	5	5	17.9	26.3	
20-Feb-07	8	22	21	24	25	22	19	21	24	26	27	28	29	30	30	26	25	A	19	21	22	24	26	29	23.9	29.8	
21-Feb-07	31	31	31	31	30	27	23	18	19	24	27	28	29	30	31	29	A	22	18	18	18	19	19	22	24.9	31.0	
22-Feb-07	22	21	16	17	7	4	0	0	2	9	16	21	22	25	24	A	21	15	6	8	0	0	5	11	11.8	24.8	
23-Feb-07	8	5	2	4	5	4	0	0	1	8	13	18	22	22	A	15	10	9	10	3	2	0	0	0	7.0	22.3	
24-Feb-07	1	1	4	2	6	2	0	1	6	11	15	15	20	A	20	29	23	22	24	26	30	29	32	30	15.3	32.3	
25-Feb-07	29	31	31	28	26	24	22	21	22	22	26	27	A	29	30	29	26	19	19	19	14	5	16	24	23.4	30.8	
26-Feb-07	24	17	16	16	8	17	15	0	4	11	15	A	24	25	25	23	23	16	11	14	19	19	6	9	15.4	24.8	
27-Feb-07	13	14	20	18	19	19	17	2	1	5	A	24	27	30	30	29	29	23	19	10	13	21	27	24	18.7	29.8	
28-Feb-07	15	12	11	12	7	3	9	0	4	A	24	26	28	28	27	27	26	23	10	0	0	1	6	16	13.7	27.7	
Hourly Avg	17.4	16.9	17.0	18.1	17.0	13.9	12.6	10.5	11.2	15.5	19.9	20.9	22.7	23.7	23.9	22.2	19.2	15.5	13.8	12.7	14.1	12.9	14.5	15.1			
Hourly Max	37.1	33.8	33.4	33.5	32.0	31.4	30.0	29.7	29.1	29.9	29.6	29.8	30.1	30.5	30.9	30.0	28.8	25.9	29.6	30.3	29.5	29.4	32.3	29.8			

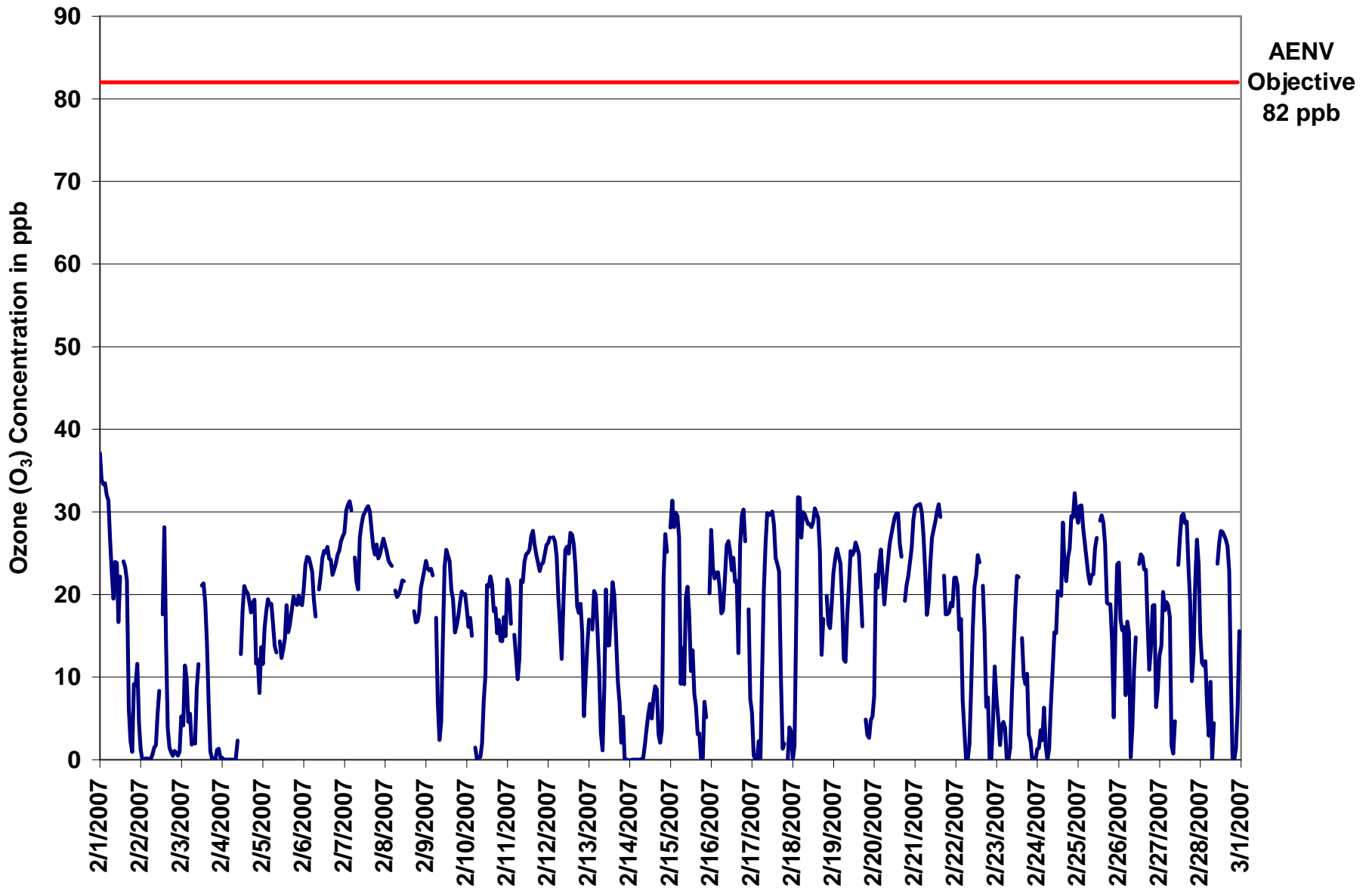


Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

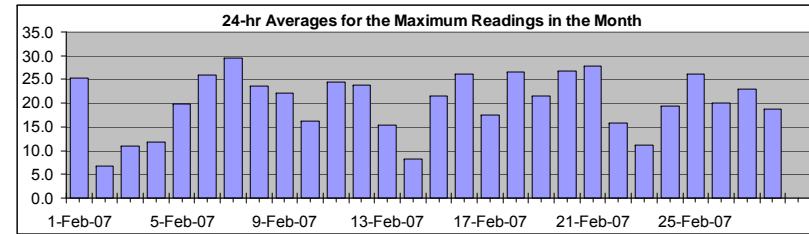
Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	38.1	ppb	1-Feb	0:00 1:00
Maximum 24-hr Value:	29.6	ppb	7-Feb	

AIC Time:	30 hrs	Operational Time:	638 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	34.3	32.1	27.3	22.6	14.8	1.3	0.3	20.2 ppb	22.6 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		
1-Feb-07	38	37	34	35	34	33	32	30	23	28	31	22	27	A	28	28	28	16	11	9	18	14	15	12	25.3	38.1
2-Feb-07	5	1	0	1	1	1	1	2	3	3	10	10	A	28	31	29	5	3	3	4	6	4	2	2	6.8	31.3
3-Feb-07	13	11	17	15	10	12	7	7	4	13	16	A	26	25	23	20	17	3	1	1	2	3	4	1	10.9	26.0
4-Feb-07	1	0	0	0	0	0	1	1	1	5	A	17	20	23	22	22	22	22	21	22	20	18	15	17	11.8	22.8
5-Feb-07	18	18	22	21	20	20	19	17	17	A	19	17	18	18	23	20	21	22	21	21	21	21	22	20	19.8	23.3
6-Feb-07	24	27	26	26	25	25	22	21	A	23	25	26	27	28	28	27	27	26	26	26	27	27	28	28	25.9	28.5
7-Feb-07	30	32	32	32	33	A	28	25	24	29	30	32	32	32	33	33	30	28	28	28	28	27	28	28	29.6	32.9
8-Feb-07	28	26	26	25	24	A	23	22	22	23	24	23	C	C	C	C	A	22	20	21	20	24	24	25	23.5	27.6
9-Feb-07	26	25	25	24	24	A	22	17	10	9	23	26	27	26	26	24	24	19	21	22	23	22	23	23	22.2	27.0
10-Feb-07	21	18	21	19	A	5	2	4	2	5	9	14	25	24	23	23	21	21	20	20	19	19	19	18	16.2	25.5
11-Feb-07	25	27	18	A	18	15	13	22	24	23	26	27	27	27	29	29	28	27	26	25	26	26	27	27	24.5	29.3
12-Feb-07	28	28	A	29	28	27	24	20	16	25	27	28	28	29	29	29	26	22	21	21	20	11	14	17	23.8	29.4
13-Feb-07	21	A	21	22	21	18	15	8	2	18	23	22	16	23	23	23	20	17	15	10	14	1	0	1	15.4	23.1
14-Feb-07	A	0	1	1	0	0	1	1	1	3	6	7	8	7	10	13	12	7	5	15	27	30	28	A	8.3	29.6
15-Feb-07	32	33	31	32	32	31	22	20	15	30	30	25	18	17	12	12	31	12	7	0	15	13	A	27	21.6	33.3
16-Feb-07	30	30	24	24	24	23	22	20	26	28	30	28	26	27	25	25	25	31	32	32	28	A	25	19	26.2	32.1
17-Feb-07	11	5	1	4	7	6	23	25	30	32	32	33	32	31	29	28	25	23	6	7	A	1	9	8	17.6	32.7
18-Feb-07	3	7	23	38	36	34	34	34	30	30	30	29	30	31	31	31	29	19	22	A	23	21	20	23	26.5	38.0
19-Feb-07	26	27	28	27	26	24	18	16	19	25	27	26	28	27	27	27	24	20	A	14	12	8	10	11	21.5	27.5
20-Feb-07	24	24	22	26	26	25	23	24	26	28	28	30	30	31	31	30	26	A	23	25	24	27	28	32	26.7	32.0
21-Feb-07	32	32	33	33	33	30	27	22	25	27	29	30	31	32	33	32	A	27	22	21	21	22	22	25	27.9	33.4
22-Feb-07	25	24	22	21	15	10	1	1	5	12	22	23	24	27	26	A	24	21	12	15	2	5	13	14	15.8	26.7
23-Feb-07	11	7	5	13	9	10	7	2	5	11	16	22	24	24	A	18	15	20	15	11	11	2	2	1	11.3	24.2
24-Feb-07	6	7	11	10	10	5	3	4	10	16	18	21	24	A	29	31	30	25	26	28	33	32	35	32	19.5	34.7
25-Feb-07	30	32	32	31	27	26	24	23	24	25	28	30	A	31	31	30	29	24	22	22	20	11	24	25	26.1	32.1
26-Feb-07	25	25	20	19	15	20	20	7	10	17	18	A	25	27	27	26	25	23	14	19	23	22	19	16	20.0	26.6
27-Feb-07	16	20	23	23	23	23	20	15	2	11	A	27	29	31	31	31	31	29	24	20	18	26	29	28	23.0	31.1
28-Feb-07	28	18	15	17	12	18	17	1	12	A	27	29	29	29	29	29	28	27	23	3	0	5	15	18	18.7	29.4
Hourly Avg	21.4	20.1	19.8	21.0	19.8	17.8	16.9	14.7	14.3	19.1	23.2	24.0	25.2	26.2	26.4	25.8	23.9	20.6	18.1	17.1	18.5	16.4	18.5	18.5		
Hourly Max	38.1	37.1	34.4	38.0	36.4	34.2	33.8	34.0	30.3	31.5	31.9	32.7	32.0	32.4	33.1	32.5	31.3	31.1	32.1	31.9	33.3	32.1	34.7	32.4		

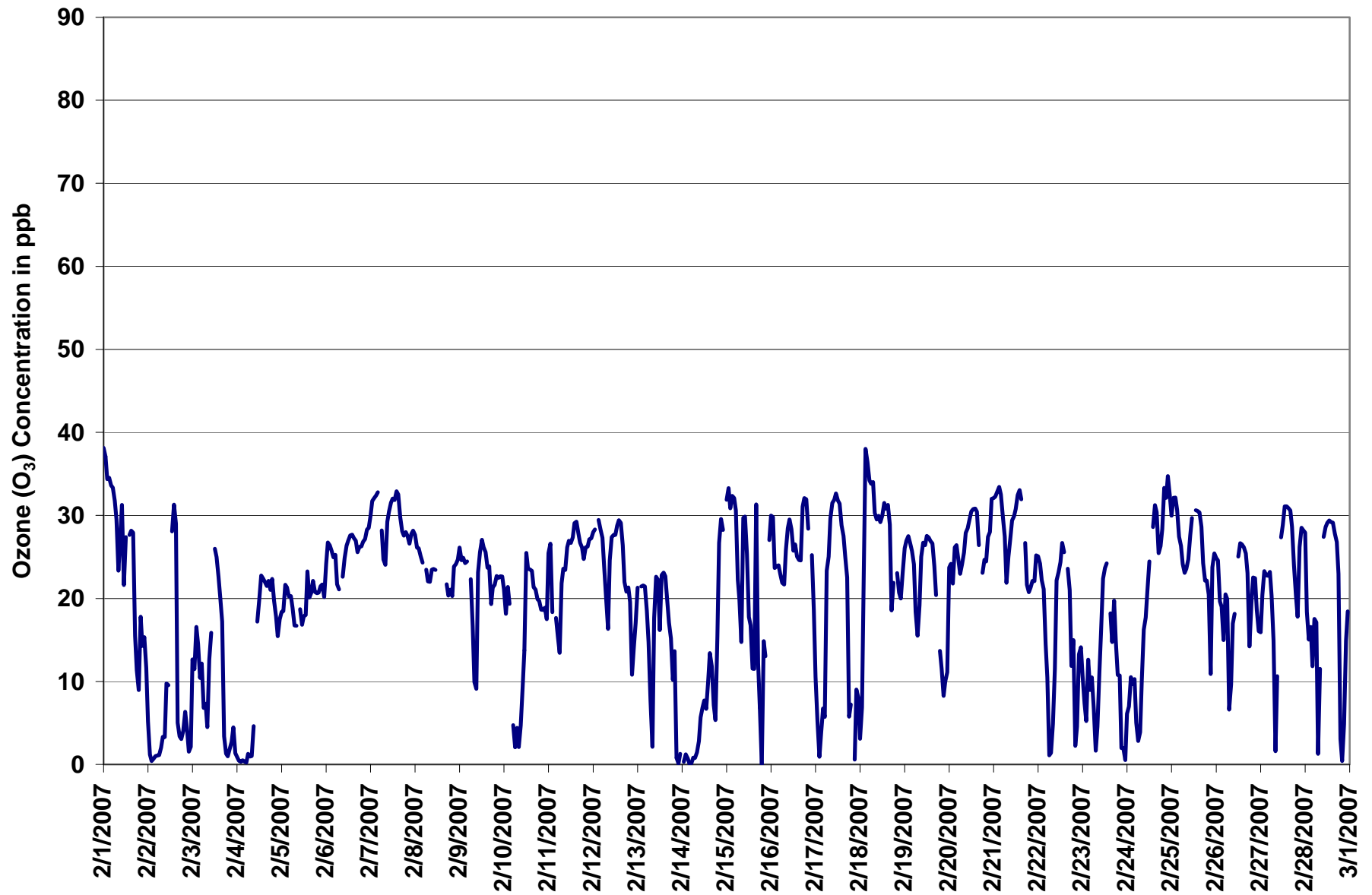
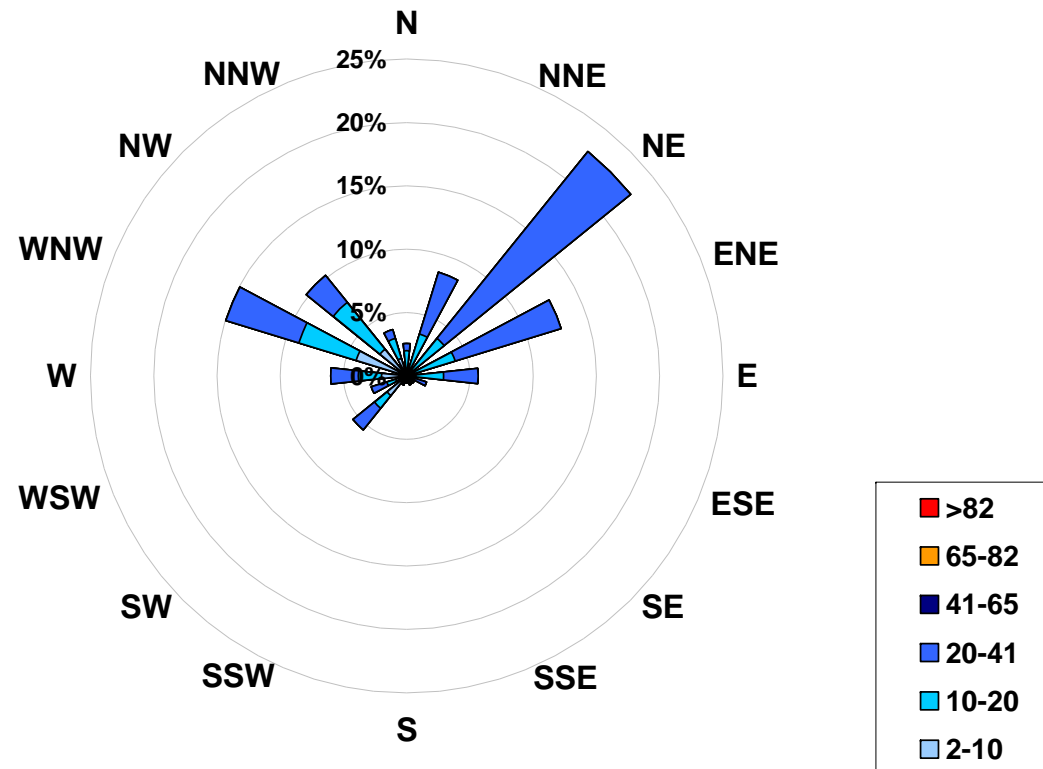


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			
Range		Frequency (hrs)	
2.0	< 10	182	
10	to 20	167	
20	to 41	289	
41	to 65	0	
65	to 82	0	
	> 82	0	
Total Non-Zero Values			638

PASZA - Henry Pirker - Ozone Eight-Hour Running Average Summary

Station: Henry Pirker
 Station Owner: PASZA

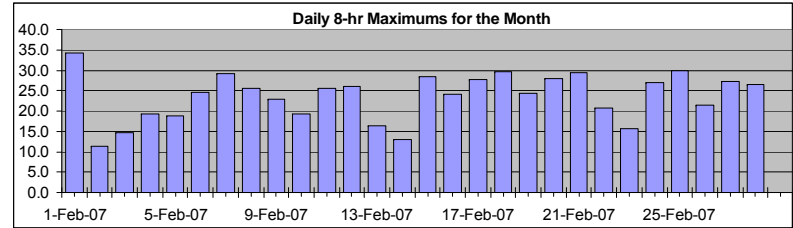
EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

Objective Limit: Alberta Environment: 8-hr 65 ppb

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	34.2 ppb 1-Feb 0:00 1:00



Percentile	99	95	75	50	25	5	1
	31.9	28.2	23.6	17.6	11.0	1.9	0.1

Status Flag Characters

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

Day	Mountain Standard Time																							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-Feb-07	34	34	34	34	34	34	33	31	29	28	27	25	23	22	22	22	20	17	14	13	12	11	8	34.2		
2-Feb-07	6	5	5	4	3	2	1	0	0	1	1	2	3	5	9	11	11	11	11	11	10	8	6	3	1	11.3
3-Feb-07	1	2	3	4	5	5	5	6	5	6	6	5	8	10	12	14	15	14	12	11	8	5	3	1	14.7	
4-Feb-07	1	0	0	0	0	0	0	0	0	0	0	2	5	8	11	14	16	18	19	19	19	17	16	15	19.4	
5-Feb-07	14	14	14	14	15	16	17	17	17	17	16	15	15	14	14	15	15	15	16	17	18	18	18	19	18.7	
6-Feb-07	19	20	21	21	22	22	22	22	22	22	21	21	22	22	23	24	24	24	24	24	24	24	24	25	24.6	
7-Feb-07	25	26	27	28	29	29	29	28	27	27	26	26	26	26	27	28	29	29	29	29	28	28	27	26	26	29.2
8-Feb-07	26	25	25	25	25	25	24	23	22	22	21	21	N	N	N	N	N	N	N	N	N	N	N	19	25.6	
9-Feb-07	20	21	21	22	23	23	22	20	17	14	13	13	13	15	16	17	20	21	21	20	20	19	19	19	22.9	
10-Feb-07	18	18	19	18	18	15	13	10	7	5	4	3	5	8	11	13	15	17	18	19	18	18	17	16	19.3	
11-Feb-07	17	17	17	17	17	17	16	16	16	16	16	17	18	19	21	23	25	25	26	26	25	25	25	24	25.6	
12-Feb-07	25	25	25	25	26	26	25	24	22	21	21	21	21	21	22	24	25	25	24	23	22	19	17	15	26.0	
13-Feb-07	15	14	14	14	15	16	16	15	12	12	13	12	11	11	13	15	16	16	15	13	12	10	7	5	16.5	
14-Feb-07	3	2	1	1	0	0	0	0	0	0	1	1	2	3	4	5	6	6	6	6	8	10	13	13	13.1	
15-Feb-07	16	20	24	27	29	28	26	25	22	21	20	18	16	14	14	13	12	10	8	6	6	5	4	6	28.5	
16-Feb-07	9	12	15	18	21	23	22	22	21	21	22	22	22	23	23	24	23	23	23	24	24	24	24	22	24.1	
17-Feb-07	20	17	13	8	5	4	3	5	7	11	15	19	22	26	27	28	27	25	21	18	16	12	9	6	27.7	
18-Feb-07	3	2	4	8	11	15	18	21	25	28	30	29	29	29	29	29	29	29	27	25	25	23	21	19	18	29.5
19-Feb-07	18	19	21	21	22	22	21	21	20	19	19	19	20	20	22	24	24	24	24	23	21	17	14	11	8	24.2
20-Feb-07	6	7	9	11	14	17	18	20	22	23	24	24	25	26	27	28	28	28	27	26	25	24	23	24	24	27.9
21-Feb-07	25	25	27	28	29	29	29	28	26	25	25	24	24	25	26	27	28	28	27	25	24	22	20	19	29.3	
22-Feb-07	20	19	19	19	18	16	14	11	8	7	7	7	9	12	15	17	20	21	19	17	14	11	8	8	20.6	
23-Feb-07	7	5	5	4	5	5	5	3	3	3	4	6	8	11	12	14	15	16	15	13	10	7	6	4	15.7	
24-Feb-07	3	2	1	1	2	2	2	2	3	4	6	7	9	10	13	17	19	21	22	23	25	25	27	27	27.0	
25-Feb-07	28	29	30	30	29	29	28	27	26	25	24	24	24	24	25	26	27	26	25	24	23	20	18	18	29.9	
26-Feb-07	17	17	17	16	16	17	17	14	12	11	11	10	12	13	15	18	21	21	21	20	19	19	16	15	21.5	
27-Feb-07	13	13	14	15	15	15	16	15	14	13	11	12	13	15	17	21	25	27	26	24	23	22	21	21	27.3	
28-Feb-07	19	17	17	17	16	14	12	9	7	7	8	10	13	17	20	23	26	26	24	21	17	14	12	10	26.4	
Hourly Max	34.2	34.1	34.0	34.0	33.8	33.6	32.7	31.3	29.1	28.1	29.5	29.1	28.7	29.2	29.1	29.1	29.2	29.1	28.6	28.2	27.5	26.8	26.8	27.0		

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

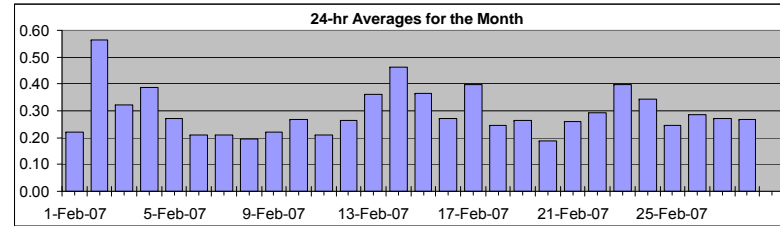
Carbon Monoxide (CO)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	1.6	ppm	2-Feb	8:00 9:00
Maximum 24-hr Value:	0.6	ppm	2-Feb	

AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.8	0.6	0.3	0.3	0.2	0.2	0.1	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																								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-Feb-07	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	0:00	0.22	0.37	
2-Feb-07	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	A	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.56	1.56
3-Feb-07	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.8	1.6	1.0	0.5	0.5	A	0.4	0.2	0.4	0.5	0.5	0.6	0.6	0.3	0.5	0.4	0.3	0.4	0.3	0.32	0.53	
4-Feb-07	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.4	0.3	A	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.39	0.63	
5-Feb-07	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.6	A	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	0.27	0.38	
6-Feb-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	A	0.2	0.2	C	C	C	A	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.33	
7-Feb-07	0.2	0.2	0.2	0.2	0.2	A	0.2	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	0.21	0.37	
8-Feb-07	0.2	0.2	0.2	0.2	0.2	A	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.27	
9-Feb-07	0.2	0.2	0.2	0.2	0.2	A	0.3	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	0.22	0.43	
10-Feb-07	0.2	0.2	0.2	0.2	A	0.2	0.3	0.4	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.27	0.47		
11-Feb-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.25	
12-Feb-07	0.1	0.2	A	0.1	0.1	0.2	0.3	0.5	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.26	0.48		
13-Feb-07	0.2	A	0.2	0.2	0.2	0.3	0.6	0.6	0.6	0.4	0.3	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.36	0.62		
14-Feb-07	A	0.3	0.4	0.4	0.3	0.4	0.5	0.7	0.5	0.8	0.9	0.6	0.6	0.8	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.2	A	0.46	0.88		
15-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.5	0.7	0.7	0.5	0.5	0.5	0.4	0.3	A	0.2	0.36	0.72		
16-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.2	0.2	0.2	A	0.3	0.3	0.27	0.46		
17-Feb-07	0.3	0.5	0.7	0.6	0.4	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	0.4	0.4	0.3	A	0.8	0.4	0.4	0.40	0.77		
18-Feb-07	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	A	0.3	0.3	0.3	0.3	0.2	0.25	0.47	
19-Feb-07	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	A	0.3	0.3	0.3	0.3	0.2	0.26	0.33		
20-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.23		
21-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	A	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.26	0.46		
22-Feb-07	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.6	0.3	0.3	0.2	0.2	0.2	0.2	A	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.29	0.59		
23-Feb-07	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.4	0.3	0.3	0.3	A	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.9	0.9	0.4	0.40	0.89		
24-Feb-07	0.4	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.5	A	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.34	0.56		
25-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	A	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.25	0.37		
26-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	A	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	0.28	0.40		
27-Feb-07	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.5	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.27	0.69		
28-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.5	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.3	0.3	0.2	0.27	0.50		
Hourly Avg	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
Hourly Max	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.8	1.6	1.0	0.9	0.6	0.6	0.8	0.5	0.7	0.7	0.5	0.6	0.6	0.4	0.8	0.9	0.9					

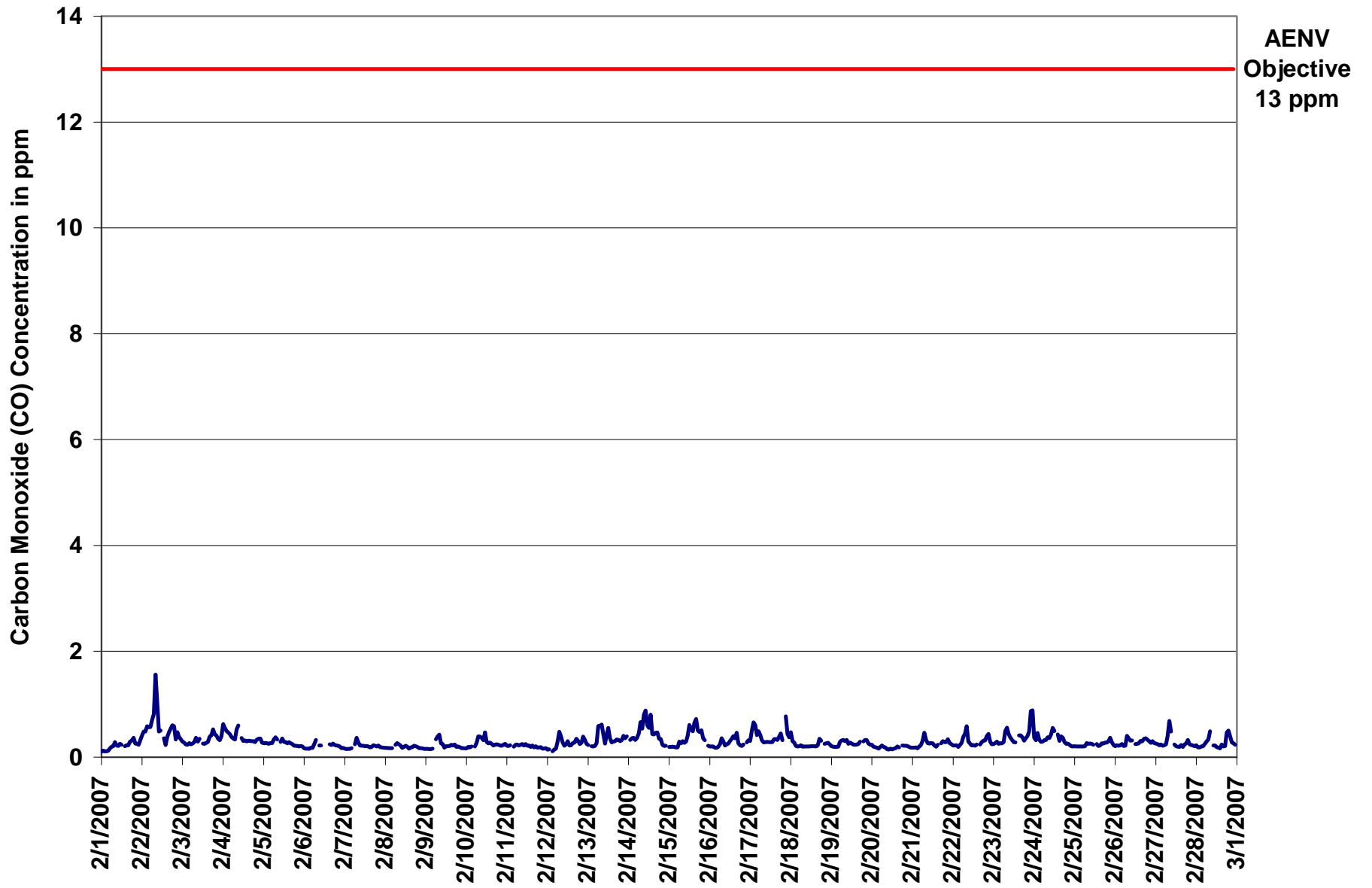


Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

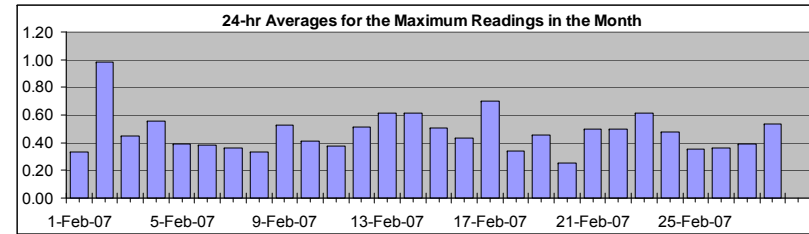
Carbon Monoxide (CO)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	4.3	ppm	9-Feb	6:00 7:00
Maximum 24-hr Value:	1.0	ppm	2-Feb	

AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.8	0.9	0.6	0.4	0.3	0.2	0.2	0.5 ppm	0.4 ppm



Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	A	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.3	0.3	0.3	0.8	0.33	0.78
2-Feb-07	0.6	0.6	0.7	0.8	0.8	0.8	2.4	2.0	3.0	2.2	0.9	0.7	A	0.4	0.3	0.6	0.7	0.8	0.8	1.0	0.5	0.9	0.7	0.5	0.98	3.04
3-Feb-07	0.4	0.4	0.3	0.3	0.5	0.5	0.3	0.3	0.6	0.4	0.7	A	0.4	0.3	0.4	0.4	0.5	0.6	0.7	0.6	0.5	0.5	0.4	0.5	0.45	0.73
4-Feb-07	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.9	1.5	A	0.5	0.4	0.6	0.5	0.6	0.5	0.3	0.4	0.3	0.7	0.5	0.5	0.3	0.56	1.49
5-Feb-07	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.4	A	0.6	1.1	0.4	0.4	0.4	0.5	0.3	0.4	0.2	0.3	0.2	0.3	0.3	0.4	0.39	1.05
6-Feb-07	0.3	0.2	0.2	0.2	0.3	0.4	0.9	0.8	A	0.3	0.6	C	C	C	A	0.7	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.39	0.88
7-Feb-07	0.3	0.2	0.3	0.2	0.4	A	0.5	0.7	0.5	0.3	0.4	0.6	0.5	0.4	0.4	0.2	0.2	0.3	0.3	0.5	0.3	0.2	0.2	0.2	0.36	0.70
8-Feb-07	0.2	0.2	0.2	0.2	0.2	A	0.7	0.7	0.6	0.7	0.2	0.3	0.5	0.2	0.2	0.5	0.2	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.33	0.75
9-Feb-07	0.2	0.2	0.2	0.2	0.3	A	4.3	0.9	0.7	0.4	0.4	0.3	0.6	0.3	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.53	4.31
10-Feb-07	0.2	0.2	0.2	0.3	A	0.2	0.4	1.4	0.6	0.6	0.4	0.8	0.4	0.3	0.7	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.41	1.36
11-Feb-07	0.3	0.3	0.3	A	0.2	0.3	0.3	0.2	0.4	0.7	0.3	0.6	0.4	0.6	0.3	0.9	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.6	0.38	0.87
12-Feb-07	0.2	0.2	A	0.2	0.3	0.6	0.7	1.2	0.8	1.3	0.5	0.4	0.4	0.3	0.4	0.7	0.4	0.4	0.5	0.3	0.4	0.5	0.8	0.5	0.51	1.30
13-Feb-07	0.3	A	0.3	0.5	0.3	0.7	2.0	0.9	0.8	0.6	0.4	1.0	0.7	0.6	0.5	0.5	0.4	0.6	0.7	0.4	0.5	0.6	0.4	0.6	0.61	1.95
14-Feb-07	A	0.4	0.5	0.4	0.4	0.4	0.6	1.2	0.9	1.1	1.2	0.8	0.7	1.0	0.6	0.5	0.6	0.6	0.5	0.4	0.2	0.2	A	0.3	0.61	1.18
15-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.4	0.4	0.9	0.8	0.6	0.6	0.9	1.1	0.7	0.7	0.4	0.6	0.5	A	0.3	0.51	1.07
16-Feb-07	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.7	0.5	0.4	0.5	0.5	0.4	0.8	0.9	0.5	0.9	0.4	0.3	0.3	0.3	A	0.5	0.4	0.43	0.90
17-Feb-07	0.4	0.7	1.6	0.8	0.5	0.9	0.9	0.5	0.4	0.5	0.5	0.6	0.4	0.6	0.5	0.7	1.0	0.9	1.0	0.5	A	1.0	0.8	0.5	0.70	1.60
18-Feb-07	0.7	0.4	0.3	0.3	0.2	0.3	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.4	A	0.5	0.4	0.5	0.3	0.34	0.73
19-Feb-07	0.3	0.2	0.2	0.2	0.3	0.9	0.5	0.7	0.6	0.8	0.3	0.5	0.4	0.3	0.3	0.5	0.5	0.9	A	0.3	0.4	0.5	0.4	0.3	0.45	0.93
20-Feb-07	0.3	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	0.3	0.3	A	0.5	0.4	0.3	0.4	0.3	0.3	0.26	0.47
21-Feb-07	0.3	0.2	0.2	0.2	0.4	0.6	0.9	1.0	0.5	0.6	0.4	1.3	0.5	0.5	0.2	0.5	A	0.3	0.5	0.5	0.3	0.6	0.4	0.4	0.50	1.27
22-Feb-07	0.3	0.3	0.3	0.3	0.4	0.5	1.3	0.9	1.4	0.4	0.4	0.3	0.3	0.3	0.3	A	0.3	0.5	0.5	0.7	0.6	0.6	0.4	0.3	0.50	1.38
23-Feb-07	0.3	0.3	0.4	0.3	0.3	0.3	0.4	1.0	0.8	0.6	0.5	0.4	0.5	0.4	A	0.5	0.7	0.6	0.5	0.5	0.7	0.7	2.5	1.3	0.62	2.52
24-Feb-07	0.6	0.4	0.7	0.4	0.3	0.4	0.4	0.5	0.6	0.5	0.6	0.8	0.8	A	0.6	0.6	0.7	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.48	0.79
25-Feb-07	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.6	0.4	0.4	0.4	0.4	A	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.36	0.64
26-Feb-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	A	0.3	0.3	0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.36	0.53
27-Feb-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.9	0.7	A	0.3	0.3	0.2	0.2	0.6	0.2	0.3	0.5	0.5	0.3	0.3	0.5	0.3	0.39	0.95
28-Feb-07	0.5	0.2	0.2	0.3	0.3	0.4	1.6	0.8	0.9	A	0.4	0.5	0.5	0.5	0.3	0.7	0.4	0.3	0.9	0.8	0.7	0.4	0.5	0.3	0.54	1.60
Hourly Avg	0.3	0.3	0.4	0.3	0.3	0.4	0.8	0.7	0.7	0.6	0.5	0.6	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4		
Hourly Max	0.7	0.7	1.6	0.8	0.8	0.9	4.3	2.0	3.0	2.2	1.2	1.3	0.8	1.0	0.9	0.9	1.1	0.9	1.0	1.0	0.7	1.0	2.5	1.3		

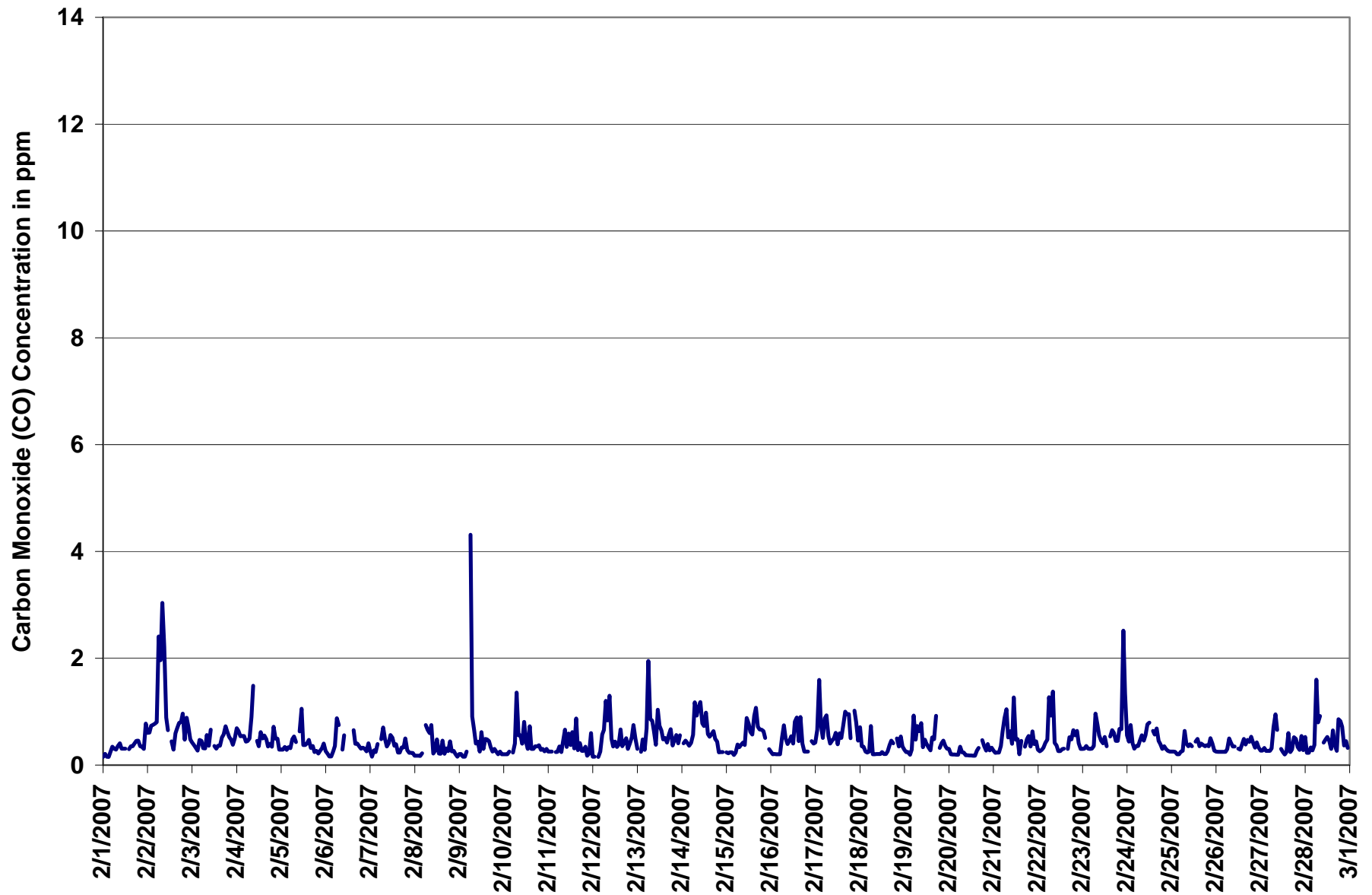
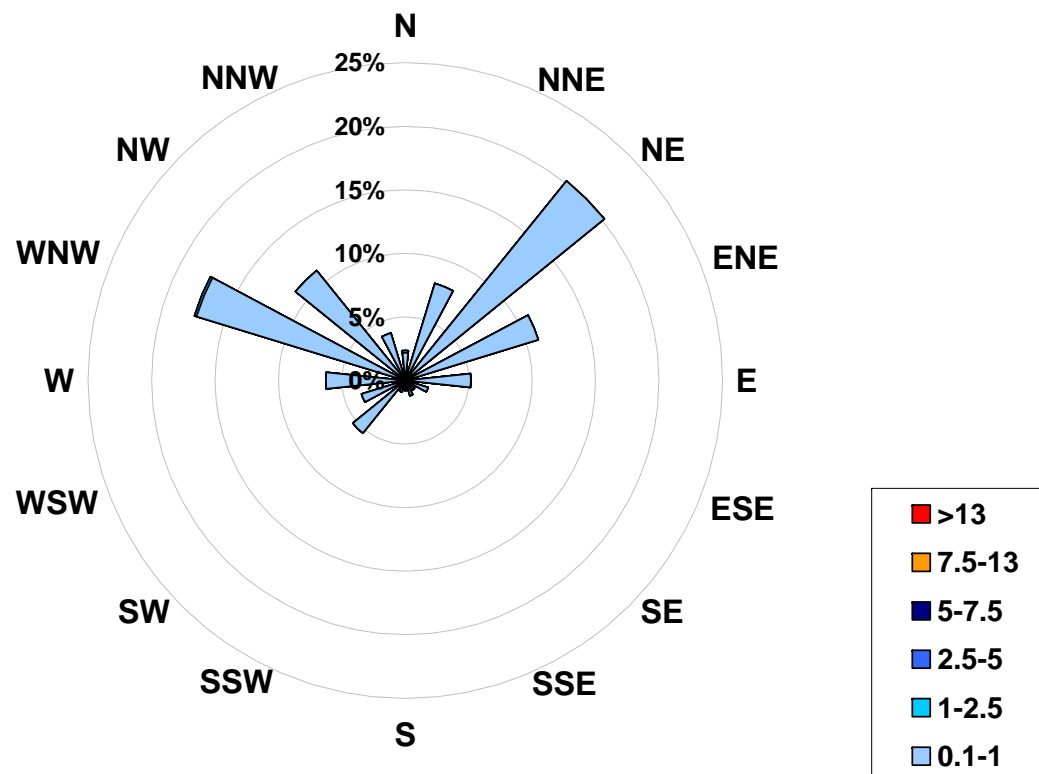


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of CO in ppm			Frequency (hrs)
Range			
0.1	<	1	637
1	to	2.5	2
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			639

PASZA - Henry Pirker - Carbon Monoxide Eight-Hour Running Average Summary

Station: Henry Pirker
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

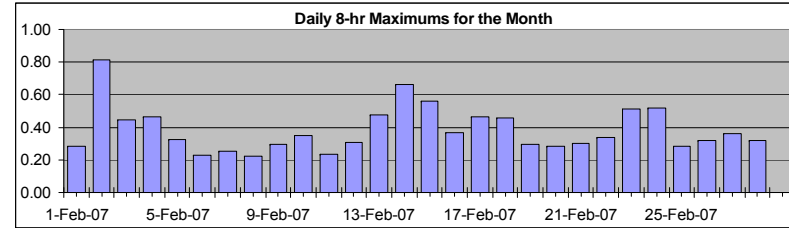
Carbon Monoxide (CO)

Monitoring Dates: February 1, 2007 to March 1, 2007

Objective Limit: Alberta Environment: 8-hr 5 ppm

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	0.8 ppm 2-Feb 12:00 13:00



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

Status Flag Characters

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

Day	Mountain Standard Time																								Daily Maximum			
	Hour Start	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-Feb-07	0:00	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.28
2-Feb-07	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.81	
3-Feb-07	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.44	
4-Feb-07	0.4	0.5	0.4	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.46	
5-Feb-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	0.2	0.2	0.2	0.2	0.2	0.2	0.33	
6-Feb-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	N	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.23	
7-Feb-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	0.3	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	0.25	
8-Feb-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	
9-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.29	
10-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.35	
11-Feb-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	0.23	
12-Feb-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.31	
13-Feb-07	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.48	
14-Feb-07	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.66	
15-Feb-07	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.56	
16-Feb-07	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.37	
17-Feb-07	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.47	
18-Feb-07	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.46	
19-Feb-07	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.29	
20-Feb-07	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	0.2	0.2	0.28	
21-Feb-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	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.30	
22-Feb-07	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.34	
23-Feb-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.51	
24-Feb-07	0.5	0.5	0.5	0.5	0.5	0.5	0.4	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	0.3	0.3	0.3	0.3	0.3	0.52	
25-Feb-07	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.28	
26-Feb-07	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	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	
27-Feb-07	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.36	
28-Feb-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	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.32	
Hourly Max	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5		

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

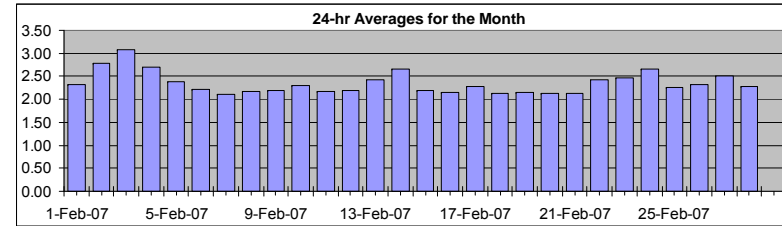
Total Hydrocarbons (THC)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	3.5	ppm	2-Feb	8:00 9:00
Maximum 24-hr Value:	3.1	ppm	3-Feb	

AIC Time:	31 hrs	Operational Time:	639 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.2	3.0	2.5	2.3	2.1	2.1	2.0	2.3 ppm	2.3 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																								24-hour Average	Daily Maximum		
	Hour Start	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-Feb-07	0:00	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	A	2.2	2.2	2.2	2.4	2.4	2.5	2.5	2.6	2.7	2.8	2.32	2.80	
2-Feb-07	1:00	2.9	2.9	2.9	3.0	3.1	3.0	2.9	3.2	3.5	3.1	2.9	3.0	A	2.6	2.2	2.3	2.5	2.6	2.5	2.5	2.7	2.6	2.6	2.7	2.79	3.46	
3-Feb-07	2:00	2.8	2.9	3.0	3.0	2.9	3.0	3.1	3.2	3.3	3.4	3.3	A	3.1	3.1	3.1	3.0	3.0	3.2	3.3	3.3	3.0	3.0	2.9	3.2	3.09	3.40	
4-Feb-07	3:00	3.2	3.0	3.0	2.9	2.9	2.8	3.0	3.1	3.1	2.8	A	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.70	3.19	
5-Feb-07	4:00	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	A	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.38	2.51	
6-Feb-07	5:00	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	A	2.3	2.3	2.3	2.3	2.3	C	C	A	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.22	2.31	
7-Feb-07	6:00	2.1	2.1	2.0	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.27	
8-Feb-07	7:00	2.1	2.2	2.2	2.2	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.16	2.22	
9-Feb-07	8:00	2.1	2.1	2.1	2.1	2.2	A	2.2	2.2	2.3	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.19	2.36	
10-Feb-07	9:00	2.2	2.3	2.2	2.2	A	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.30	2.57	
11-Feb-07	10:00	2.2	2.2	2.3	A	2.3	2.4	2.3	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	2.1	2.17	2.38	
12-Feb-07	11:00	2.1	2.1	A	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.19	2.27	
13-Feb-07	12:00	2.2	A	2.2	2.2	2.2	2.2	2.3	2.4	2.5	2.4	2.3	2.5	2.7	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.6	2.7	2.7	2.7	2.42	2.74	
14-Feb-07	13:00	A	2.6	2.7	2.9	2.8	2.7	2.7	2.9	2.8	3.0	3.1	2.8	2.8	3.0	2.7	2.7	2.7	2.7	2.5	2.3	2.1	2.0	2.0	A	2.66	3.08	
15-Feb-07	14:00	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.4	2.4	2.5	2.5	2.3	2.2	2.3	2.2	2.3	A	2.1	2.19	2.52	
16-Feb-07	15:00	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.4	2.3	2.3	2.1	2.0	2.1	2.1	A	2.1	2.16	2.38	
17-Feb-07	16:00	2.2	2.4	2.5	2.6	2.4	2.4	2.2	2.1	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	A	2.6	2.4	2.4	2.27	2.65	
18-Feb-07	17:00	2.5	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	A	2.1	2.1	2.2	2.2	2.12	2.49	
19-Feb-07	18:00	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.2	2.2	2.2	2.2	2.14	2.24	
20-Feb-07	19:00	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.13	2.34	
21-Feb-07	20:00	2.0	2.0	2.1	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.2	2.2	2.2	2.2	2.2	2.2	2.12	2.20	
22-Feb-07	21:00	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.6	2.5	2.3	2.3	A	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.4	2.43	2.74	
23-Feb-07	22:00	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.3	A	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.7	2.7	2.46	2.72	
24-Feb-07	23:00	2.6	2.7	3.0	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.2	3.1	2.9	A	2.6	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.2	2.66	3.17	
25-Feb-07	0:00	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	A	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.26	2.42	
26-Feb-07	1:00	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	A	2.3	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.5	2.33	2.52	
27-Feb-07	2:00	2.6	2.6	2.6	2.7	2.7	2.6	2.6	2.8	3.0	3.0	A	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.3	2.2	2.2	2.2	2.51	3.02	
28-Feb-07	3:00	2.3	2.4	2.5	2.6	2.5	2.4	2.2	2.3	2.3	A	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.2	2.2	2.4	2.27	2.61	
Hourly Avg		2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3		
Hourly Max		3.2	3.0	3.0	3.1	3.1	3.0	3.1	3.2	3.5	3.4	3.3	3.1	3.1	3.1	3.1	3.0	3.0	3.2	3.3	3.3	3.0	3.0	2.9	3.2			

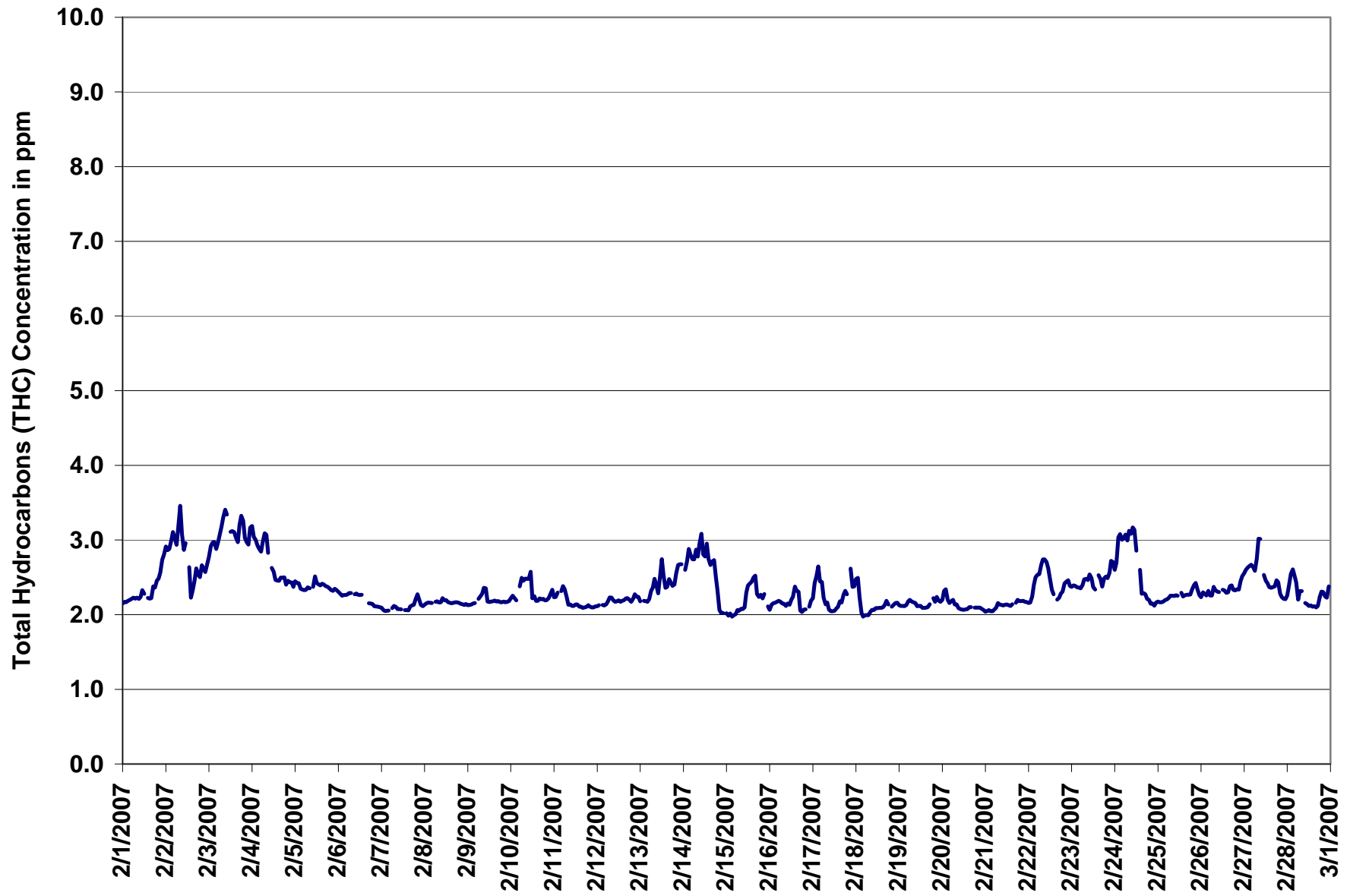


Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

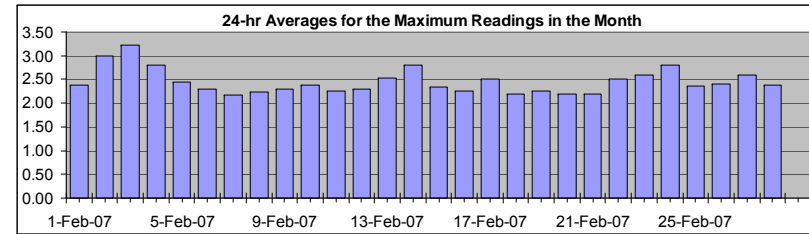
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	3.8	ppm	24-Feb	12:00 13:00
Maximum 24-hr Value:	3.2	ppm	3-Feb	



AIC Time:	31 hrs	Operational Time:	639 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.5	3.2	2.6	2.3	2.2	2.1	2.1	2.5 ppm	2.3 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																								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-Feb-07			2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.3	A	2.3	2.3	2.3	2.5	2.5	2.5	2.6	2.7	2.8	2.9	2.38	2.91
2-Feb-07			3.1	3.0	3.1	3.1	3.3	3.2	3.4	3.5	3.7	3.6	3.0	3.0	A	2.8	2.3	2.7	2.6	3.1	2.6	2.6	2.9	2.7	2.6	2.7	2.99	3.71
3-Feb-07			2.9	3.0	3.1	3.1	3.0	3.3	3.2	3.3	3.4	3.6	3.6	A	3.2	3.2	3.2	3.1	3.2	3.4	3.5	3.3	3.2	3.1	3.2	3.2	3.22	3.57
4-Feb-07			3.3	3.1	3.0	3.0	2.9	3.0	3.2	3.3	3.2	2.9	A	2.7	2.8	2.7	2.5	2.7	2.5	2.6	2.5	2.5	2.5	2.7	2.4	2.4	2.81	3.35
5-Feb-07			2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.4	A	2.4	2.8	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.4	2.4	2.44	2.77
6-Feb-07			2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	A	2.3	2.3	2.6	2.3	2.5	C	C	A	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.29	2.57
7-Feb-07			2.1	2.1	2.1	2.1	2.1	A	2.1	2.2	2.2	2.1	2.1	2.3	A	2.1	2.5	2.1	2.1	2.1	2.2	2.3	2.3	2.3	2.2	2.1	2.18	2.54
8-Feb-07			2.2	2.2	2.2	2.2	2.2	A	2.3	2.2	2.2	2.3	2.5	2.3	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.23	2.51
9-Feb-07			2.2	2.2	2.2	2.2	2.2	A	3.4	2.4	2.4	2.4	2.5	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.30	3.42
10-Feb-07			2.3	2.3	2.3	2.3	A	2.5	2.8	2.6	2.5	2.5	2.6	2.8	2.4	2.3	2.3	2.2	2.3	2.2	2.2	2.2	2.3	2.3	2.4	2.39	2.76	
11-Feb-07			2.4	2.3	2.3	A	2.3	2.5	2.5	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.1	2.4	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.4	2.25	2.50
12-Feb-07			2.1	2.1	A	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.3	2.2	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.8	2.30	2.83	
13-Feb-07			2.2	A	2.2	2.2	2.2	2.3	2.5	2.4	2.6	2.6	2.3	2.7	3.0	3.0	2.4	2.5	2.6	2.6	2.5	2.5	2.6	2.8	2.8	2.9	2.53	2.96
14-Feb-07			A	2.7	2.8	3.0	2.9	2.8	2.8	3.0	3.0	3.3	3.4	3.0	2.9	3.1	3.0	2.7	2.8	3.0	2.6	2.5	2.1	2.1	2.0	A	2.80	3.38
15-Feb-07			2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.6	2.7	2.6	2.9	3.0	2.8	2.5	2.4	2.3	2.4	2.3	A	2.2	2.34	3.00
16-Feb-07			2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.5	2.2	2.3	2.3	2.7	2.5	2.5	2.2	2.1	2.1	2.1	A	2.2	2.4	2.27	2.71
17-Feb-07			2.8	2.6	2.8	3.0	2.7	2.7	2.5	2.2	2.3	2.1	2.1	2.1	2.1	2.1	2.2	2.8	2.6	2.4	2.5	2.5	A	3.1	2.9	2.7	2.50	3.10
18-Feb-07			2.9	2.7	2.3	2.2	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.2	A	2.2	2.2	2.2	2.2	2.20	2.87
19-Feb-07			2.2	2.2	2.2	2.1	2.2	2.4	2.3	2.3	2.2	2.4	2.1	2.2	2.2	2.1	2.1	2.2	2.2	2.2	A	2.5	2.4	2.5	2.4	2.2	2.26	2.55
20-Feb-07			2.3	2.4	2.5	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.2	2.1	2.18	2.45
21-Feb-07			2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.2	2.2	2.1	2.3	2.2	2.2	2.1	2.2	A	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.19	2.35
22-Feb-07			2.2	2.2	2.3	2.5	2.6	2.6	2.8	2.8	2.9	2.8	2.8	2.7	2.6	2.4	2.3	A	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.5	2.51	2.94
23-Feb-07			2.4	2.6	2.4	2.5	2.5	2.5	2.4	2.6	2.5	2.6	2.7	2.9	2.4	2.4	A	2.7	2.6	2.5	2.6	2.6	2.6	2.7	2.9	2.9	2.59	2.93
24-Feb-07			2.7	2.8	3.3	3.3	3.1	3.1	3.2	3.1	3.2	3.2	3.2	3.6	3.8	A	2.9	2.3	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.81	3.77
25-Feb-07			2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.3	2.3	2.3	2.4	A	2.4	2.3	3.1	2.5	2.3	2.3	2.4	2.5	2.5	2.4	2.3	2.35	3.11
26-Feb-07			2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.5	2.4	2.4	2.3	A	2.9	2.4	2.3	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.5	2.5	2.41	2.89
27-Feb-07			2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.9	3.1	3.2	A	2.7	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.4	2.3	2.3	2.2	2.59	3.25
28-Feb-07			2.3	2.5	2.7	2.7	2.6	2.5	2.4	2.4	2.4	A	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.2	2.4	2.5	2.6	2.3	2.4	2.4	2.38	2.74
Hourly Avg			2.4	2.4	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4		
Hourly Max			3.3	3.1	3.3	3.3	3.3	3.4	3.5	3.7	3.6	3.6	3.6	3.6	3.8	3.2	3.2	3.1	3.2	3.4	3.5	3.3	3.2	3.1	3.2	3.2		

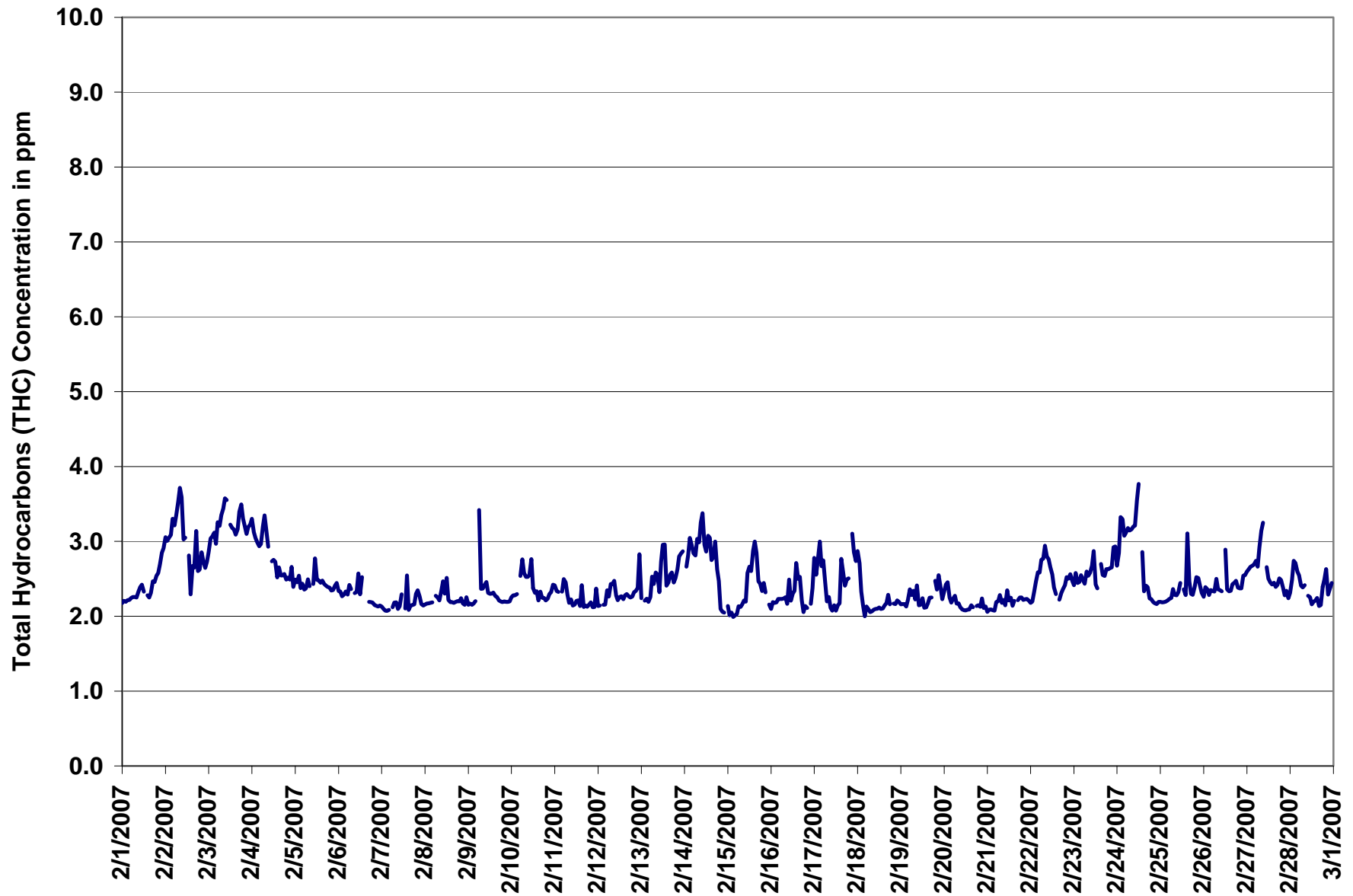
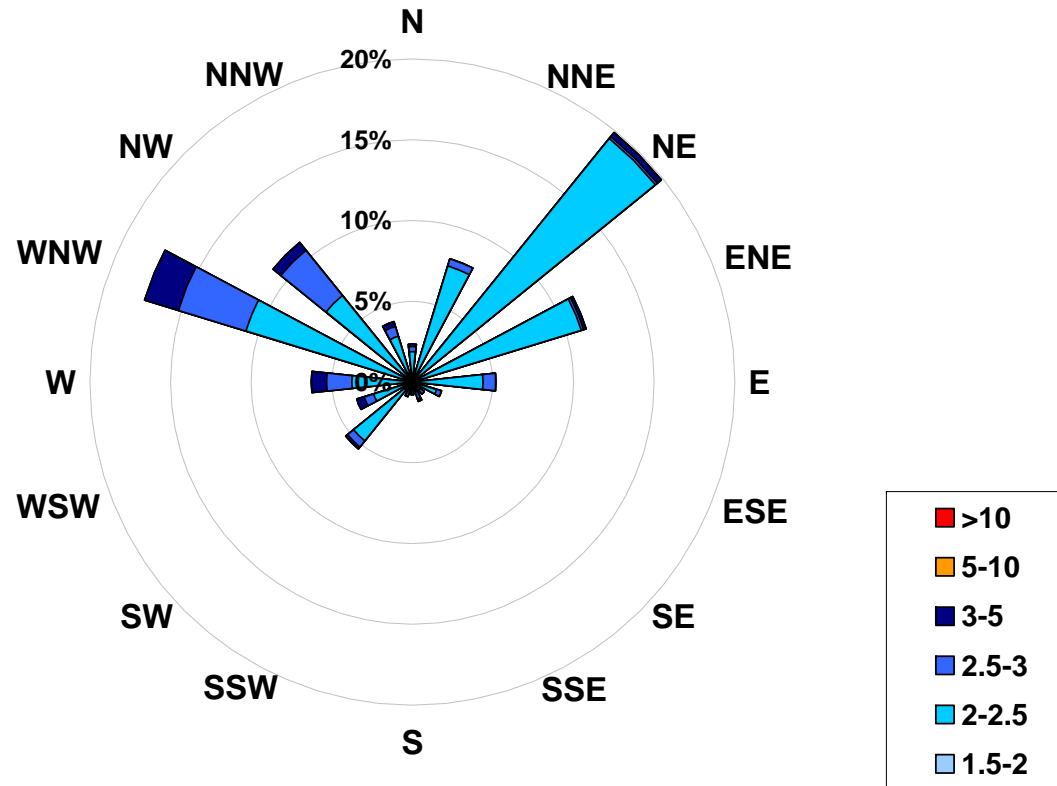


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of THC in ppm			Frequency (hrs)
Range			
1.5	<	2	7
2	to	2.5	498
2.5	to	3	99
3	to	5	35
5	to	10	0
	>	10	0
Total Non-Zero Values			639

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

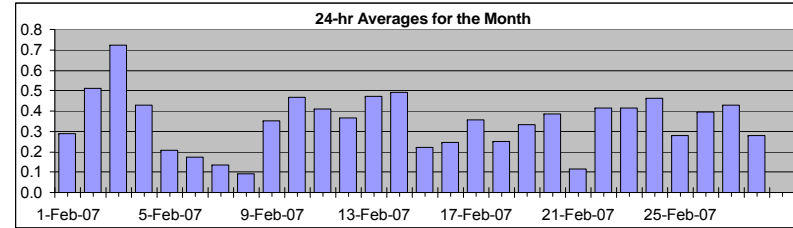
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	1.3	ppb	3-Feb	13:00 14:00
Maximum 24-hr Value:	0.7	ppb	3-Feb	



AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.1	0.7	0.4	0.3	0.2	0.1	0.0	0.3 ppb	0.3 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-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	0	0.3	0.4
2-Feb-07	0	0	0	1	1	1	1	1	1	1	1	1	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0.5	1.1
3-Feb-07	0	0	0	0	0	0	0	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.3
4-Feb-07	1	1	1	1	1	1	0	1	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
5-Feb-07	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	0	0.2	0.3
6-Feb-07	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	0	0.2	0.3
7-Feb-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	0.1	0.3
8-Feb-07	0	0	0	0	0	A	0	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0.1	0.3
9-Feb-07	0	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	0.4	0.5
10-Feb-07	0	0	0	0	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.8
11-Feb-07	0	0	0	A	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9
12-Feb-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	0.4	0.4
13-Feb-07	0	A	1	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0.5	0.8
14-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	A	0	0.5	0.9
15-Feb-07	0	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	0.5
16-Feb-07	0	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	0.5
17-Feb-07	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	1	0	0.4	0.6
18-Feb-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	0.3	0.4
19-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	1	0	0	1	0	0	0.3	0.5
20-Feb-07	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.4	1.2
21-Feb-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	0.1	0.2
22-Feb-07	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	A	1	0	0	0	0	1	1	0	0	0	0.4	0.7
23-Feb-07	0	0	0	0	0	0	0	0	0	1	1	0	0	0	A	1	0	0	0	0	0	0	0	1	1	0	0.4	0.7
24-Feb-07	0	0	0	0	0	0	0	1	1	1	1	1	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0.5	1.2
25-Feb-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	0.3	0.4
26-Feb-07	0	0	0	0	0	0	0	0	1	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
27-Feb-07	0	0	0	0	0	0	1	0	1	1	A	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.4	0.8
28-Feb-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	0.3	0.5
Hourly Avg	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Hourly Max	0.8	0.6	0.6	0.6	0.9	0.7	0.7	1.2	1.1	1.0	1.2	1.1	1.2	1.3	1.3	1.0	0.9	1.2	1.2	1.0	0.8	0.6	0.6	0.7	0.7	0.7	0.7	

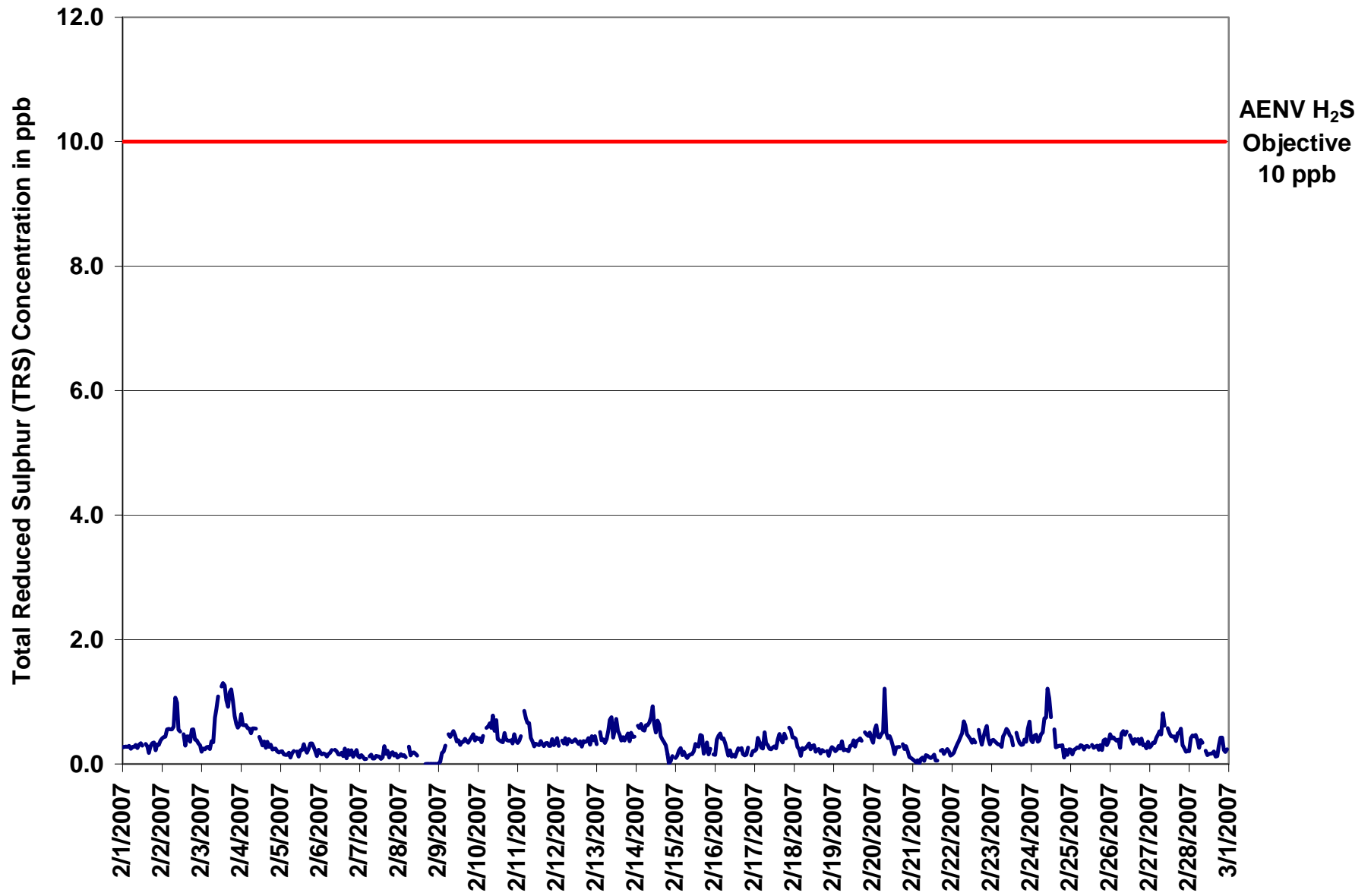


Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

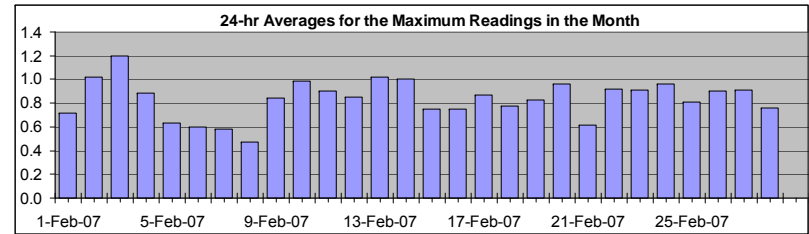
Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	2.8	ppb	20-Feb	7:00 8:00
Maximum 24-hr Value:	1.2	ppb	3-Feb	

AIC Time:	30 hrs	Operational Time:	639 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.2	0.9	0.8	0.7	0.5	0.4	0.8 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-Feb-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	1	0.7	0.9
2-Feb-07	1	1	1	1	1	1	1	1	2	2	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.9
3-Feb-07	1	1	1	1	1	1	1	1	1	1	2	A	2	2	2	1	2	2	2	2	1	1	1	1	1	1.2	1.8
4-Feb-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	1	0.9	1.4
5-Feb-07	1	1	1	1	1	1	0	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.6	0.8
6-Feb-07	1	1	1	1	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.6	0.8
7-Feb-07	1	1	0	0	1	A	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0.6	1.0
8-Feb-07	0	1	1	1	1	A	1	0	1	1	1	1	C	C	C	A	0	0	0	0	0	0	0	0	0	0.5	0.8
9-Feb-07	0	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	1.0
10-Feb-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	1.0	1.3
11-Feb-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	0.9	1.5
12-Feb-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	1	0.9	1.1
13-Feb-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	1	1.0	1.3
14-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	A	1	1.0	1.5
15-Feb-07	1	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	1.2
16-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	1	0.8	1.1
17-Feb-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	0.9	1.1
18-Feb-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	1	0.8	1.3
19-Feb-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	0.8	1.1
20-Feb-07	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.0	2.8
21-Feb-07	1	0	1	0	0	1	1	1	1	1	1	1	1	0	1	A	1	1	1	1	1	1	1	1	1	0.6	0.8
22-Feb-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	1	0.9	1.2
23-Feb-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	1	0.9	1.3
24-Feb-07	1	1	1	1	1	1	1	1	1	2	2	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6
25-Feb-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	1	0.8	1.0
26-Feb-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	1	0.9	1.2
27-Feb-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	1	0.9	1.3
28-Feb-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	0.8	1.0
Hourly Avg	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.9	1.0	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
Hourly Max	1.4	1.2	1.2	1.3	1.4	1.5	1.2	2.8	1.9	1.9	1.7	1.6	1.7	1.8	1.7	1.5	1.6	1.5	1.8	1.6	1.2	1.1	1.1	1.3			

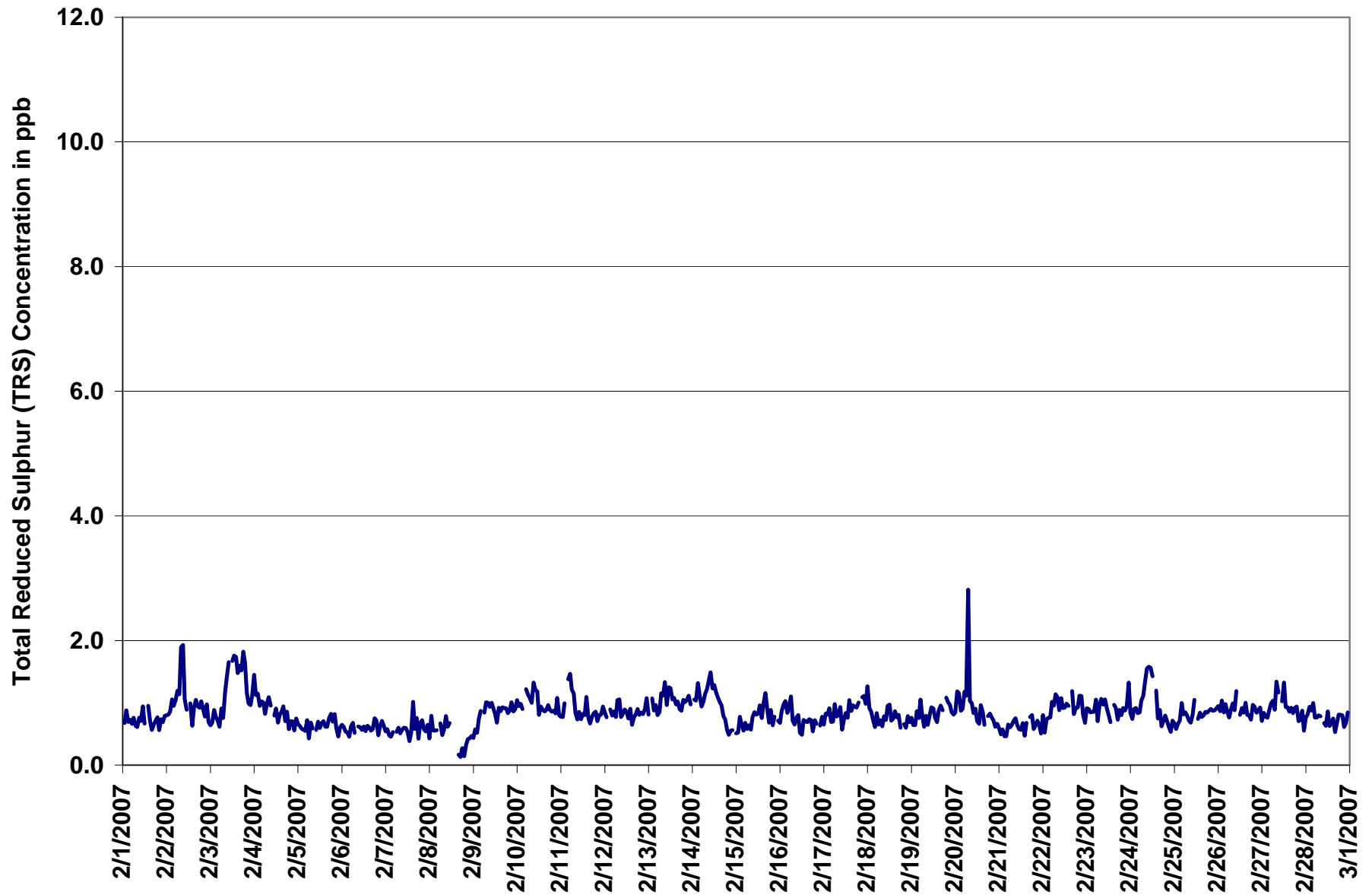
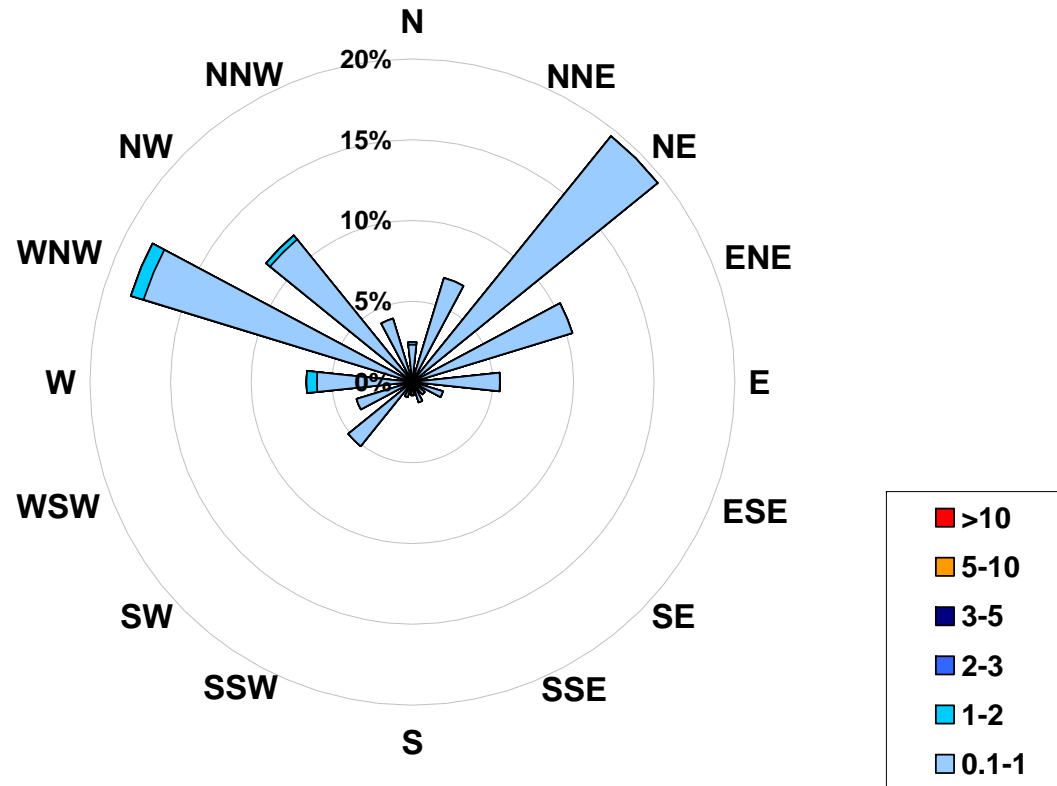


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			
Range		Frequency (hrs)	
0.1	< 1	1	627
1	to 2	2	12
2	to 3	3	0
3	to 5	5	0
5	to 10	10	0
	> 10	10	0
Total Non-Zero Values			639

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

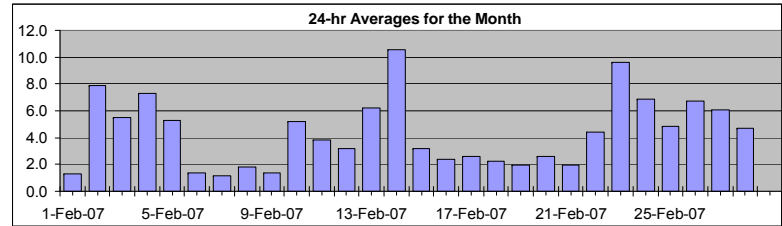
Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Draft Objective Limit: Alberta Environment: 1-hr - $\mu\text{g}/\text{m}^3$ 24-hr 30 $\mu\text{g}/\text{m}^3$
 Summary

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	24.4 $\mu\text{g}/\text{m}^3$ 14-Feb 13:00 14:00
Maximum 24-hr Value:	10.6 $\mu\text{g}/\text{m}^3$ 14-Feb

AIC Time:	0 hrs	Operational Time:	669 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	16.3	10.6	6.3
	50	25	5
	3.5	1.8	0.0
	1	0.0	0.0
	Average / Median		4.4
			4 $\mu\text{g}/\text{m}^3$
			3.6 $\mu\text{g}/\text{m}^3$



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-Feb-07	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	2	5	4	4	4	5	1.3	4.8
2-Feb-07	7	8	6	8	9	9	8	7	16	15	11	9	7	8	0	6	12	6	10	11	5	4	2	6	7.8	15.7	
3-Feb-07	2	2	2	3	3	2	5	5	4	6	7	7	3	4	6	7	8	10	13	10	7	5	5	5	5.5	13.5	
4-Feb-07	10	8	7	7	8	8	8	6	8	10	10	7	6	5	6	5	6	6	6	6	7	7	9	8	7.3	10.4	
5-Feb-07	8	7	6	9	6	6	0	5	5	5	5	6	8	9	7	7	7	4	4	2	2	2	2	2	5.3	9.0	
6-Feb-07	2	1	1	1	1	1	1	1	3	2	2	3	1	1	1	1	1	2	1	2	1	1	1	1	1.4	3.3	
7-Feb-07	0	0	0	1	0	1	2	3	2	2	2	2	0	2	0	0	2	1	2	1	1	1	1	1	1.2	2.6	
8-Feb-07	3	2	3	3	2	2	3	2	2	3	3	3	3	2	C	C	C	0	0	0	0	0	0	0	1.8	3.2	
9-Feb-07	0	0	1	1	1	0	1	2	3	2	2	2	0	0	1	1	1	2	2	2	3	2	2	1	1.3	2.8	
10-Feb-07	1	2	2	2	3	4	4	5	6	7	6	9	6	7	9	5	6	5	5	6	6	7	8	6	5.2	9.2	
11-Feb-07	5	5	6	6	7	7	6	5	4	4	3	3	3	3	2	2	2	2	3	4	3	3	2	2	3.8	7.0	
12-Feb-07	2	2	2	2	2	2	2	3	3	4	3	3	4	2	3	3	4	3	4	4	5	6	4	3	3.1	5.6	
13-Feb-07	3	2	2	2	2	3	4	5	9	11	4	12	15	9	5	5	5	6	8	6	7	9	7	9	6.2	15.4	
14-Feb-07	8	8	8	9	7	9	11	12	11	15	21	17	15	24	14	19	22	13	9	2	0	0	0	0	10.6	24.4	
15-Feb-07	0	0	0	0	0	0	0	0	0	0	0	4	9	5	6	9	10	7	7	8	4	5	2	1	3.2	10.2	
16-Feb-07	2	2	1	1	2	2	2	3	3	3	3	3	4	5	5	5	6	2	0	0	1	0	0	2	2.4	5.6	
17-Feb-07	1	5	7	6	3	6	3	1	0	0	0	0	0	0	0	0	0	2	3	3	5	8	4	4	2.6	8.0	
18-Feb-07	9	4	1	0	0	0	0	0	3	3	2	2	2	2	2	1	2	4	3	2	2	3	4	3	2.2	8.7	
19-Feb-07	2	1	2	2	1	2	2	2	1	2	1	1	0	0	0	0	2	1	2	4	4	6	3	5	1.9	5.6	
20-Feb-07	6	4	3	3	2	4	4	1	2	2	1	2	1	1	2	3	3	2	3	3	3	3	3	2	2.6	5.6	
21-Feb-07	2	2	2	1	2	2	2	2	3	2	3	2	3	2	2	2	1	2	2	3	2	2	1	1	2.0	3.0	
22-Feb-07	1	1	0	0	2	3	4	6	8	5	4	1	3	4	4	3	5	5	9	7	8	9	7	6	4.4	9.1	
23-Feb-07	5	6	6	6	6	7	7	9	12	9	9	8	7	8	10	17	15	12	10	10	12	11	16	15	9.6	16.5	
24-Feb-07	7	9	7	7	6	8	11	9	8	7	6	10	17	13	15	3	4	6	3	2	1	2	1	3	6.8	16.9	
25-Feb-07	3	2	2	3	3	5	5	6	5	5	7	3	4	4	3	4	6	7	7	6	8	8	7	4	4.8	8.3	
26-Feb-07	4	5	5	5	6	4	4	7	7	6	7	7	8	10	9	8	10	10	8	9	8	6	4	6	6.7	9.7	
27-Feb-07	6	6	5	5	5	6	5	8	14	12	9	4	6	6	6	6	6	7	6	7	4	3	2	3	6.1	13.6	
28-Feb-07	4	2	3	3	3	4	3	4	5	4	4	5	4	5	5	5	4	5	7	8	9	7	5	5	4.7	9.5	
Hourly Avg	3.7	3.5	3.1	3.4	3.3	3.8	3.9	4.2	5.2	5.2	4.7	4.9	5.0	5.0	4.5	4.8	5.6	4.8	5.0	4.9	4.4	4.4	3.8	3.9			
Hourly Max	10.4	9.2	8.0	8.8	8.9	9.2	10.8	11.7	15.7	15.1	20.9	17.5	16.9	24.4	14.6	18.8	22.1	13.1	13.5	11.3	11.9	11.1	16.2	14.8			

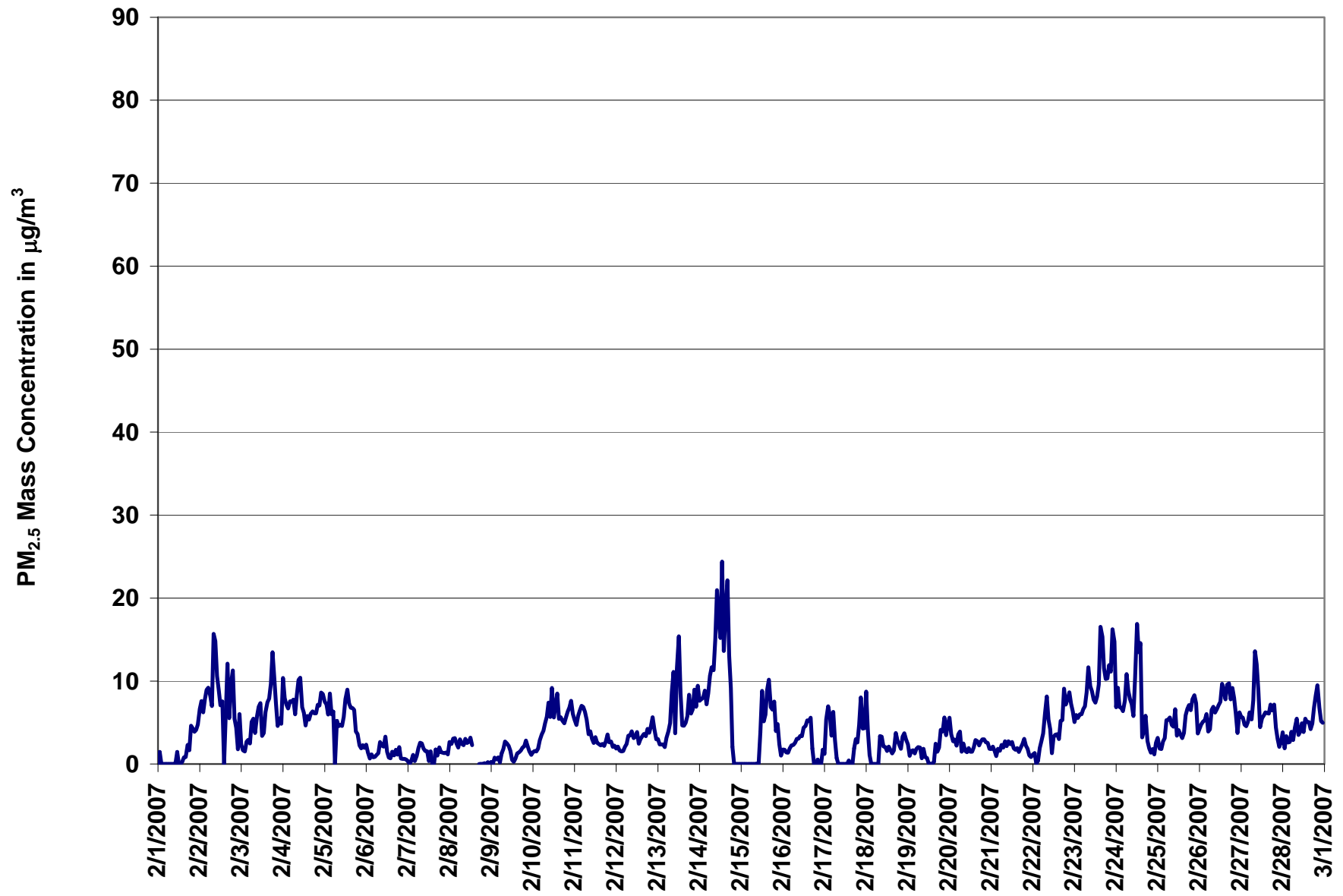


Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Monitoring Dates: February 1, 2007 to March 1, 2007

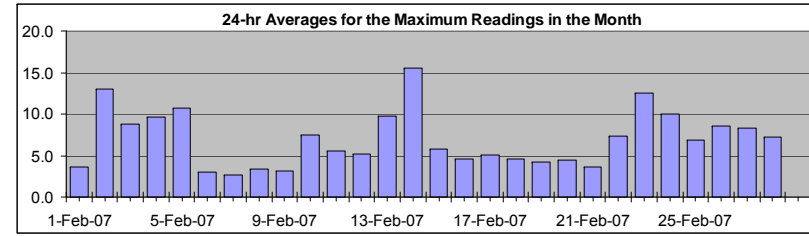
Summary

Maximum 1-hr Average:	48.9	µg/m ³	5-Feb	2:00 3:00
Maximum 24-hr Value:	15.5	µg/m ³	14-Feb	

AIC Time:	0 hrs		Operational Time:	669 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	24.6	15.8	9.2	5.7	3.6	1.4	0.4	7.0	6 µg/m ³

Day Mountain Standard Time

Day	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	24-hour Average	Daily Maximum
1-Feb-07	1	6	1	2	2	0	1	1	2	2	4	5	3	2	3	3	5	6	4	7	8	6	6	8	3.6	8.2		
2-Feb-07	12	12	10	10	11	12	12	11	23	23	14	12	12	11	1	15	16	11	16	16	16	8	6	8	32	13.0	31.9	
3-Feb-07	4	3	4	4	5	6	7	8	6	8	12	13	12	6	9	11	11	14	16	19	10	6	8	9	8.8	18.9		
4-Feb-07	13	11	10	9	10	10	10	10	11	13	14	10	8	6	7	8	8	8	9	10	9	11	10	9	11	10	9.7	13.8
5-Feb-07	9	10	49	40	9	9	9	7	6	7	7	9	12	12	9	10	9	9	8	6	4	3	4	3	10.8	48.9		
6-Feb-07	5	3	3	3	3	3	3	3	3	4	4	3	5	4	3	3	3	3	3	3	4	2	2	2	2	3.0	4.7	
7-Feb-07	2	1	2	3	1	3	4	3	4	4	4	3	3	2	3	1	1	3	2	4	3	3	3	3	3	2.6	3.7	
8-Feb-07	5	5	5	4	5	4	4	4	4	4	4	4	4	5	3	C	C	C	1	1	1	3	1	2	2	3.3	5.3	
9-Feb-07	1	1	2	2	3	2	3	5	5	4	4	4	2	3	3	3	4	3	4	4	5	3	3	3	3	3.1	5.0	
10-Feb-07	3	3	3	4	5	5	7	11	9	10	9	12	10	9	11	7	8	7	7	7	7	9	8	10	8	7.5	11.7	
11-Feb-07	9	6	7	8	9	8	7	7	5	6	4	4	5	5	4	3	4	4	5	5	5	4	4	4	4	5.5	8.6	
12-Feb-07	4	4	3	4	3	4	5	6	5	6	5	5	6	5	4	5	5	5	5	6	6	8	7	6	6	5.1	8.5	
13-Feb-07	4	4	5	4	4	5	6	8	15	17	6	17	22	12	7	6	7	9	14	10	13	14	12	14	9.7	21.7		
14-Feb-07	10	13	13	12	10	12	13	15	18	19	25	21	18	31	19	38	40	20	19	5	0	0	0	0	0	15.5	40.1	
15-Feb-07	2	1	1	1	0	0	1	1	2	2	3	12	16	8	7	14	15	11	10	11	6	7	5	2	5.7	15.9		
16-Feb-07	4	4	3	3	4	4	5	5	5	5	6	6	9	7	7	7	9	6	2	2	3	1	2	3	4.6	8.8		
17-Feb-07	3	8	11	8	6	8	7	3	1	1	1	2	1	1	2	1	2	4	7	6	9	11	12	7	5.1	11.7		
18-Feb-07	14	10	4	3	0	0	1	2	6	5	5	4	3	4	4	4	3	7	5	5	4	6	5	5	4.5	14.3		
19-Feb-07	4	2	3	3	3	5	4	5	3	4	3	2	2	2	2	2	4	3	4	6	8	9	6	9	4.2	9.5		
20-Feb-07	8	6	4	5	5	5	6	4	4	4	4	3	3	3	4	4	4	4	4	4	5	6	4	4	3	4.5	7.7	
21-Feb-07	3	4	3	3	4	4	3	4	5	4	4	4	4	4	4	4	4	3	3	4	4	4	3	3	3	3.6	4.9	
22-Feb-07	4	3	2	3	7	5	6	8	15	8	7	4	5	5	6	5	7	7	19	10	11	12	9	8	7.3	18.9		
23-Feb-07	6	7	8	7	8	8	9	11	15	13	12	10	10	10	13	20	17	17	14	12	17	14	21	19	12.5	21.4		
24-Feb-07	9	16	10	10	8	10	16	11	10	11	10	15	24	18	18	5	7	10	4	4	3	3	4	5	10.1	24.3		
25-Feb-07	4	3	5	4	5	7	6	7	6	6	12	6	6	6	5	5	8	8	10	9	9	10	11	5	6.8	11.8		
26-Feb-07	6	6	6	7	7	5	5	8	8	7	8	9	11	12	11	9	13	12	10	11	9	10	7	9	8.6	12.8		
27-Feb-07	7	7	7	6	7	7	7	10	16	15	10	12	7	7	8	8	8	9	8	10	9	5	4	4	8.4	16.3		
28-Feb-07	8	7	6	4	4	5	5	7	7	6	6	6	5	11	8	7	6	6	12	10	13	9	8	9	7.2	12.5		
Hourly Avg	5.9	6.0	6.9	6.3	5.3	5.5	6.1	6.6	7.9	7.8	7.3	7.8	8.1	7.4	6.7	7.7	8.4	7.4	8.2	7.4	7.1	6.2	6.4	7.0				
Hourly Max	14.3	16.0	48.9	39.8	10.9	11.9	15.7	14.8	22.9	23.0	25.3	21.2	24.3	30.7	19.4	38.4	40.1	20.3	19.0	18.9	17.1	13.8	21.4	31.9				



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

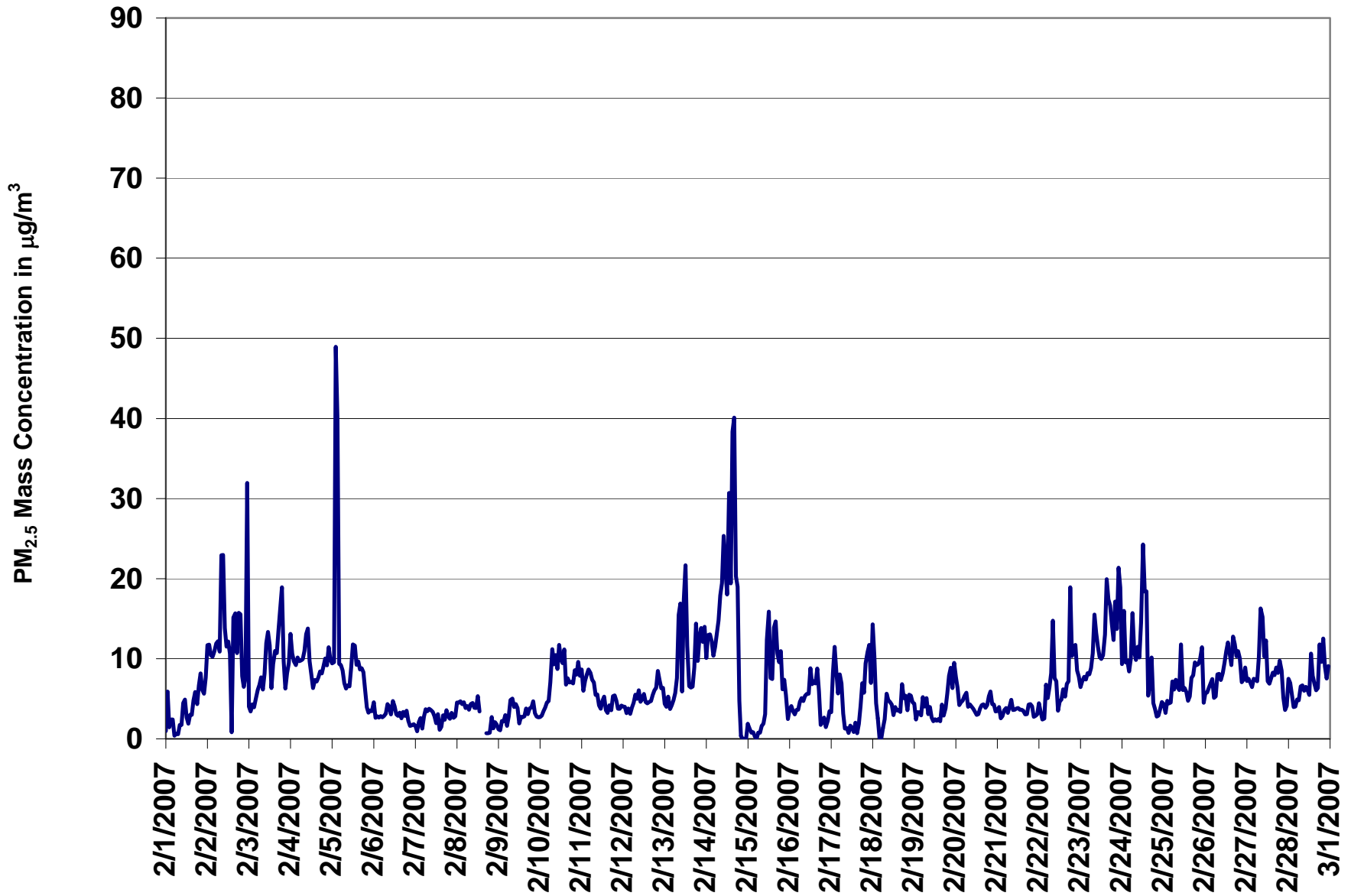
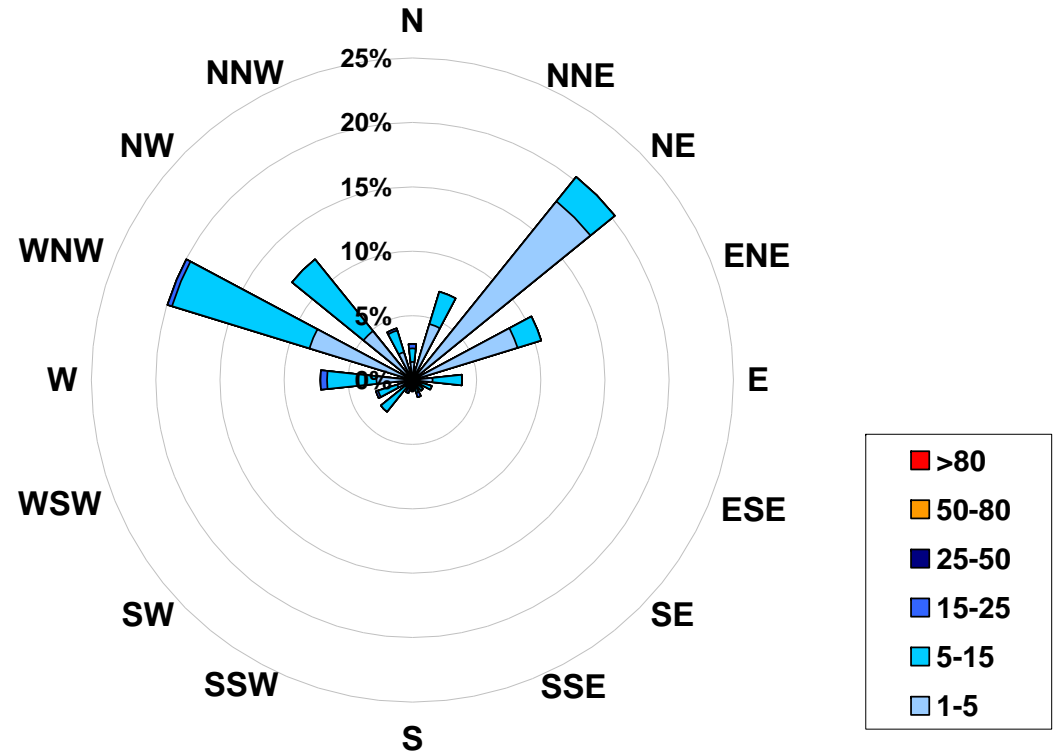


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	< 5	418	
5	to 15	238	
15	to 25	13	
25	to 50	0	
50	to 80	0	
	> 80	0	
Total Non-Zero Values			669

PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

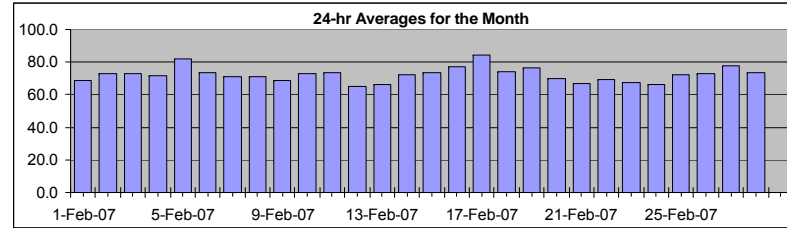
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	93.6 %	16-Feb	0:00 1:00
Maximum 24-hr Value:	84.2 %	17-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	91.4	86.3	77.1	73.1	67.9	57.0	51.6	72.3 %	73.1 %

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																								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-Feb-07	64	74	77	75	74	68	68	70	72	66	57	59	60	58	57	59	66	72	75	77	75	74	73	74	68.6	77.1
2-Feb-07	75	77	77	79	80	81	81	81	82	79	71	61	62	55	56	62	65	67	73	76	78	79	77	76	73.0	81.5
3-Feb-07	76	77	76	76	76	74	74	74	76	74	73	69	66	59	60	66	72	73	74	75	75	76	76	76	72.6	77.2
4-Feb-07	76	76	76	77	78	78	78	79	78	76	74	67	63	59	62	65	67	68	70	68	71	71	73	75	71.9	79.2
5-Feb-07	77	81	86	88	88	88	89	89	89	88	86	82	79	81	80	78	77	75	78	78	78	79	77	77	82.2	89.3
6-Feb-07	77	76	77	78	79	78	78	78	78	76	75	73	71	71	69	68	68	70	72	71	70	70	71	71	73.5	78.5
7-Feb-07	70	67	66	67	69	70	73	75	73	74	74	74	70	69	69	69	70	71	72	72	73	74	74	74	71.1	74.7
8-Feb-07	75	74	73	73	73	73	73	73	72	70	68	67	67	68	68	69	70	72	73	73	72	72	72	71	71.4	74.5
9-Feb-07	71	71	71	71	71	71	71	72	72	69	65	61	56	61	62	64	66	67	69	71	72	73	74	74	68.7	73.6
10-Feb-07	74	74	73	72	75	77	77	76	77	74	72	65	63	63	65	66	70	75	76	76	75	75	76	80	72.8	80.1
11-Feb-07	81	80	79	79	79	79	79	77	76	75	71	67	66	65	65	66	68	72	73	74	74	74	75	75	73.8	80.9
12-Feb-07	74	74	73	73	72	72	73	73	73	67	58	51	51	50	50	52	56	60	64	66	67	71	73	74	65.2	74.0
13-Feb-07	74	73	74	73	73	72	72	71	69	67	62	51	53	53	53	57	60	65	68	69	69	70	71	70	66.2	73.7
14-Feb-07	70	70	71	72	73	73	73	73	74	73	69	67	67	73	73	72	68	73	76	80	74	73	76	78	72.5	79.5
15-Feb-07	76	71	74	71	72	71	74	71	70	67	60	59	59	58	56	62	66	76	89	91	92	93	93	93	73.5	93.5
16-Feb-07	94	93	91	90	90	89	89	87	85	83	80	77	74	64	61	60	66	66	65	66	68	67	69	72	76.9	93.6
17-Feb-07	73	77	79	80	79	79	88	90	91	91	88	86	85	84	83	83	82	83	84	85	86	88	88	88	84.2	91.4
18-Feb-07	88	89	89	84	83	84	83	81	79	77	72	69	67	62	62	55	65	65	66	70	69	70	73	76	74.1	89.0
19-Feb-07	78	78	77	78	77	79	80	80	80	73	74	72	71	71	72	72	73	75	77	78	79	81	81	81	76.6	81.3
20-Feb-07	80	80	78	80	76	77	75	71	70	68	67	64	62	59	58	60	64	65	67	68	70	70	71	71	69.7	80.5
21-Feb-07	71	71	73	73	73	73	74	75	74	71	62	54	50	55	54	52	60	66	68	70	71	72	73	75	67.1	74.7
22-Feb-07	76	77	75	72	72	71	70	69	69	65	62	59	56	58	62	63	69	72	73	75	76	75	74	73	69.3	76.9
23-Feb-07	74	75	77	76	75	75	75	75	74	62	55	50	54	52	57	57	61	64	69	72	72	72	76	76	67.7	76.7
24-Feb-07	75	77	77	75	74	73	74	75	75	74	62	53	56	59	55	52	52	60	63	64	63	65	64	68	66.1	77.3
25-Feb-07	72	73	74	76	77	76	77	77	76	73	65	64	64	64	66	65	67	70	73	74	76	78	78	76	72.2	78.2
26-Feb-07	76	76	76	76	78	78	78	79	78	73	65	63	58	57	62	65	65	68	76	79	80	81	79	76	72.6	81.4
27-Feb-07	75	75	76	76	76	78	80	80	81	81	80	74	73	70	71	73	75	79	82	83	83	82	81	81	77.7	83.3
28-Feb-07	82	81	81	80	81	81	80	80	79	74	69	63	58	55	59	62	66	69	73	79	80	80	79	79	73.7	81.5
Hourly Avg	75.8	76.4	76.7	76.5	76.5	76.9	76.9	76.9	76.5	73.6	69.2	65.1	63.6	62.7	63.1	64.1	67.0	70.0	72.9	74.3	74.6	75.1	75.7	76.0		
Hourly Max	93.6	92.7	91.0	90.1	89.7	89.3	88.8	90.1	91.4	90.7	87.8	86.4	85.3	84.4	82.5	83.1	82.2	83.0	89.4	91.4	92.3	92.5	93.4	93.5		

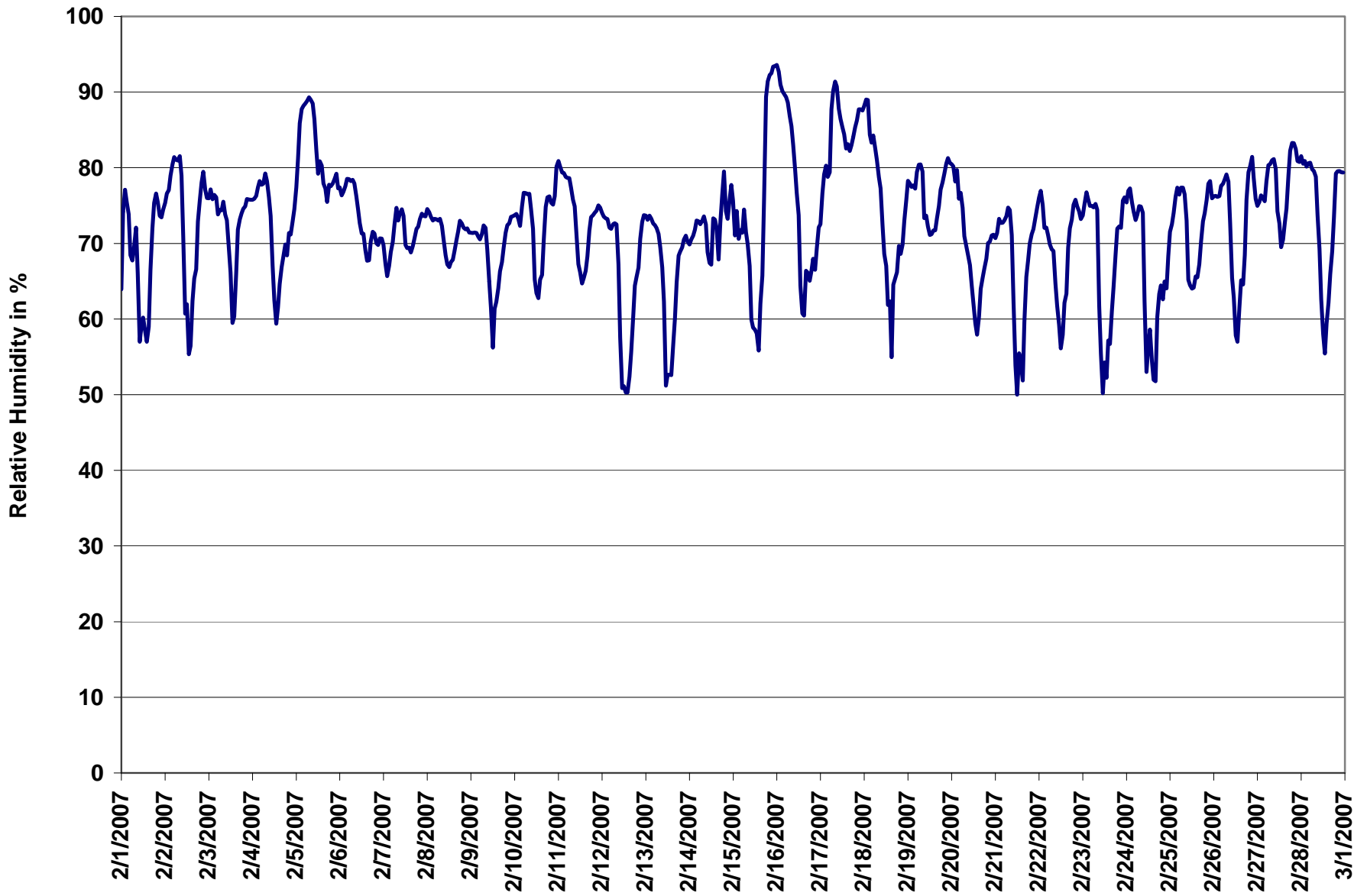


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

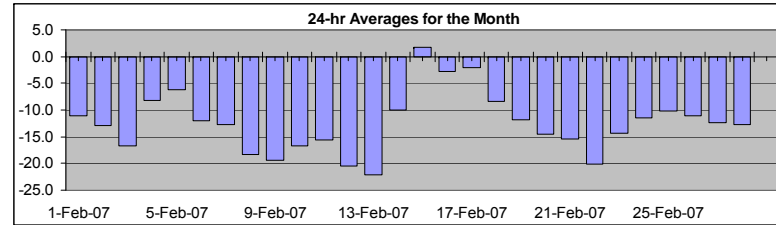
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	4.9 °C	15-Feb	14:00 15:00
Maximum 24-hr Value:	1.7 °C	15-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	-0.3	-8.5	-12.7	-17.0	-22.0	-25.3	-12.4 °C	-12.7 °C

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	-5	-6	-9	-10	-12	-13	-13	-13	-13	-12	-10	-9	-9	-7	-7	-8	-11	-15	-16	-16	-15	-14	-13	-12	-11.2	-4.5
2-Feb-07	-12	-12	-12	-13	-13	-14	-14	-15	-14	-15	-13	-9	-9	-6	-6	-8	-10	-10	-14	-16	-17	-17	-19	-21	-12.9	-6.0
3-Feb-07	-21	-20	-21	-20	-20	-22	-22	-22	-21	-21	-18	-13	-13	-11	-11	-12	-13	-14	-15	-15	-14	-14	-13	-12	-16.6	-10.7
4-Feb-07	-11	-10	-10	-10	-11	-10	-11	-10	-9	-8	-8	-7	-6	-5	-6	-6	-7	-7	-7	-8	-7	-7	-7	-7	-8.2	-5.4
5-Feb-07	-6	-5	-5	-5	-5	-5	-5	-4	-5	-5	-5	-5	-4	-4	-5	-6	-7	-7	-8	-9	-9	-10	-10	-9	-6.2	-4.1
6-Feb-07	-10	-11	-12	-12	-12	-13	-13	-13	-13	-13	-13	-12	-12	-11	-11	-11	-11	-12	-12	-12	-12	-12	-12	-12	-11.9	-10.0
7-Feb-07	-12	-12	-12	-12	-12	-12	-13	-13	-13	-13	-13	-12	-12	-11	-11	-12	-12	-13	-14	-14	-15	-15	-15	-15	-12.7	-10.8
8-Feb-07	-16	-17	-17	-17	-18	-18	-18	-19	-19	-19	-19	-18	-18	-18	-18	-18	-19	-19	-19	-19	-19	-19	-19	-20	-18.4	-15.7
9-Feb-07	-20	-20	-20	-21	-21	-21	-22	-23	-23	-25	-21	-18	-16	-17	-17	-17	-17	-17	-18	-18	-18	-18	-18	-18	-19.4	-16.1
10-Feb-07	-18	-18	-18	-18	-18	-19	-19	-20	-21	-21	-19	-15	-15	-13	-14	-14	-15	-16	-16	-16	-15	-15	-15	-15	-16.7	-13.4
11-Feb-07	-15	-15	-15	-16	-16	-16	-16	-16	-16	-15	-15	-15	-14	-14	-14	-15	-15	-16	-17	-16	-16	-16	-17	-17	-15.5	-13.7
12-Feb-07	-18	-19	-20	-21	-22	-23	-23	-23	-23	-21	-19	-17	-17	-17	-16	-17	-18	-21	-21	-22	-22	-23	-23	-23	-20.4	-16.0
13-Feb-07	-23	-23	-23	-24	-24	-24	-24	-26	-28	-24	-22	-19	-19	-18	-17	-18	-20	-21	-22	-22	-23	-22	-21	-21	-22.0	-16.6
14-Feb-07	-20	-20	-18	-17	-17	-16	-15	-14	-14	-12	-11	-10	-9	-8	-8	-8	-7	-8	-7	-4	1	2	1	0	-10.0	1.5
15-Feb-07	1	3	2	3	2	2	0	0	0	1	3	3	4	4	5	4	3	2	0	0	-1	-1	0	0	1.7	4.9
16-Feb-07	0	-1	-3	-4	-5	-5	-5	-6	-7	-7	-6	-5	-3	-1	0	-2	-3	0	1	1	0	0	-1	-2	-2.8	1.0
17-Feb-07	-2	-3	-3	-3	-2	-1	-2	-1	-2	-1	-1	0	0	0	1	0	0	-2	-4	-4	-4	-5	-5	-6	-2.1	0.6
18-Feb-07	-7	-5	-4	-2	-2	-2	-1	-5	-11	-11	-11	-12	-11	-9	-10	-7	-11	-11	-11	-11	-12	-11	-11	-11	-8.3	-1.4
19-Feb-07	-11	-12	-13	-14	-15	-16	-16	-16	-15	-14	-14	-13	-12	-11	-11	-10	-9	-9	-9	-9	-9	-9	-9	-10	-11.8	-8.6
20-Feb-07	-9	-10	-12	-13	-14	-16	-17	-17	-17	-17	-17	-16	-15	-14	-13	-13	-13	-14	-15	-15	-15	-15	-15	-15	-14.5	-9.4
21-Feb-07	-15	-15	-16	-16	-16	-17	-17	-18	-18	-18	-15	-12	-10	-11	-11	-11	-13	-15	-16	-17	-17	-18	-19	-19	-15.4	-10.4
22-Feb-07	-19	-19	-22	-25	-25	-26	-27	-28	-26	-24	-21	-18	-15	-15	-15	-15	-17	-17	-18	-19	-19	-19	-17	-17	-20.2	-14.6
23-Feb-07	-18	-19	-19	-19	-18	-18	-19	-18	-17	-13	-11	-9	-9	-8	-9	-9	-10	-11	-14	-16	-15	-15	-16	-16	-14.4	-8.0
24-Feb-07	-21	-21	-21	-21	-23	-24	-23	-20	-19	-16	-10	-6	-6	-6	-2	-1	-1	-3	-4	-5	-5	-5	-5	-7	-11.4	-0.8
25-Feb-07	-8	-9	-9	-10	-11	-11	-11	-11	-11	-10	-9	-8	-8	-8	-8	-8	-9	-10	-11	-12	-13	-14	-13	-12	-10.1	-7.7
26-Feb-07	-12	-12	-12	-13	-13	-12	-13	-13	-12	-11	-9	-8	-6	-6	-7	-8	-8	-9	-11	-11	-12	-13	-17	-20	-11.1	-5.9
27-Feb-07	-21	-21	-20	-20	-21	-17	-15	-14	-13	-12	-10	-8	-8	-7	-7	-7	-8	-9	-9	-10	-10	-10	-10	-10	-12.4	-7.1
28-Feb-07	-12	-14	-14	-15	-15	-15	-14	-15	-14	-13	-12	-10	-8	-7	-8	-9	-10	-11	-12	-15	-16	-15	-15	-15	-12.7	-7.5
Hourly Avg	-12.9	-13.1	-13.5	-13.9	-14.3	-14.5	-14.5	-14.7	-14.8	-14.0	-12.4	-10.8	-10.1	-9.3	-9.1	-9.5	-10.4	-11.3	-12.0	-12.5	-12.5	-12.5	-12.7	-13.0		
Hourly Max	0.9	2.5	1.8	2.7	2.5	1.7	0.2	0.0	0.4	0.9	2.9	3.5	3.9	4.3	4.9	3.8	3.4	1.8	1.0	0.6	0.5	1.5	1.2	0.2		

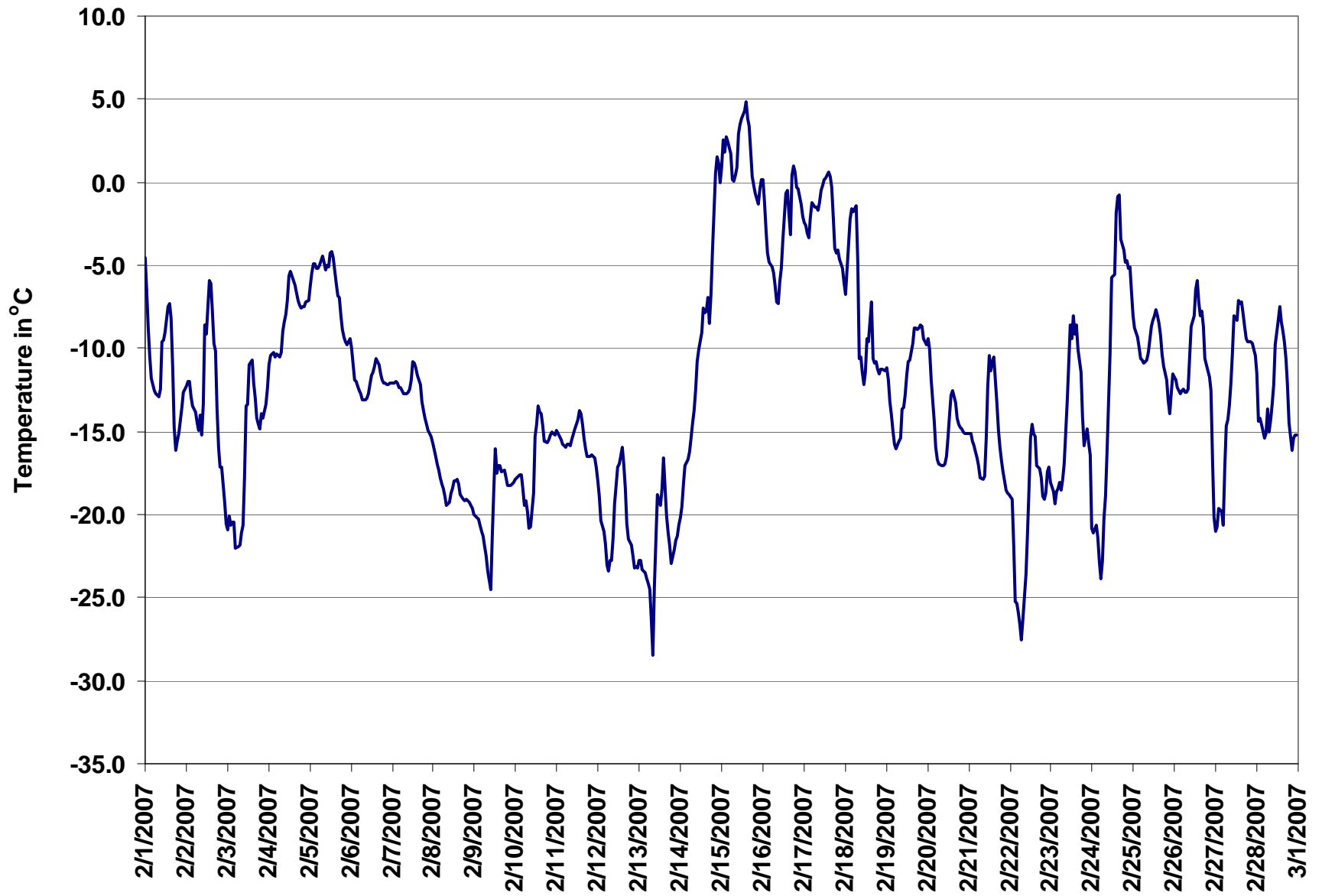


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

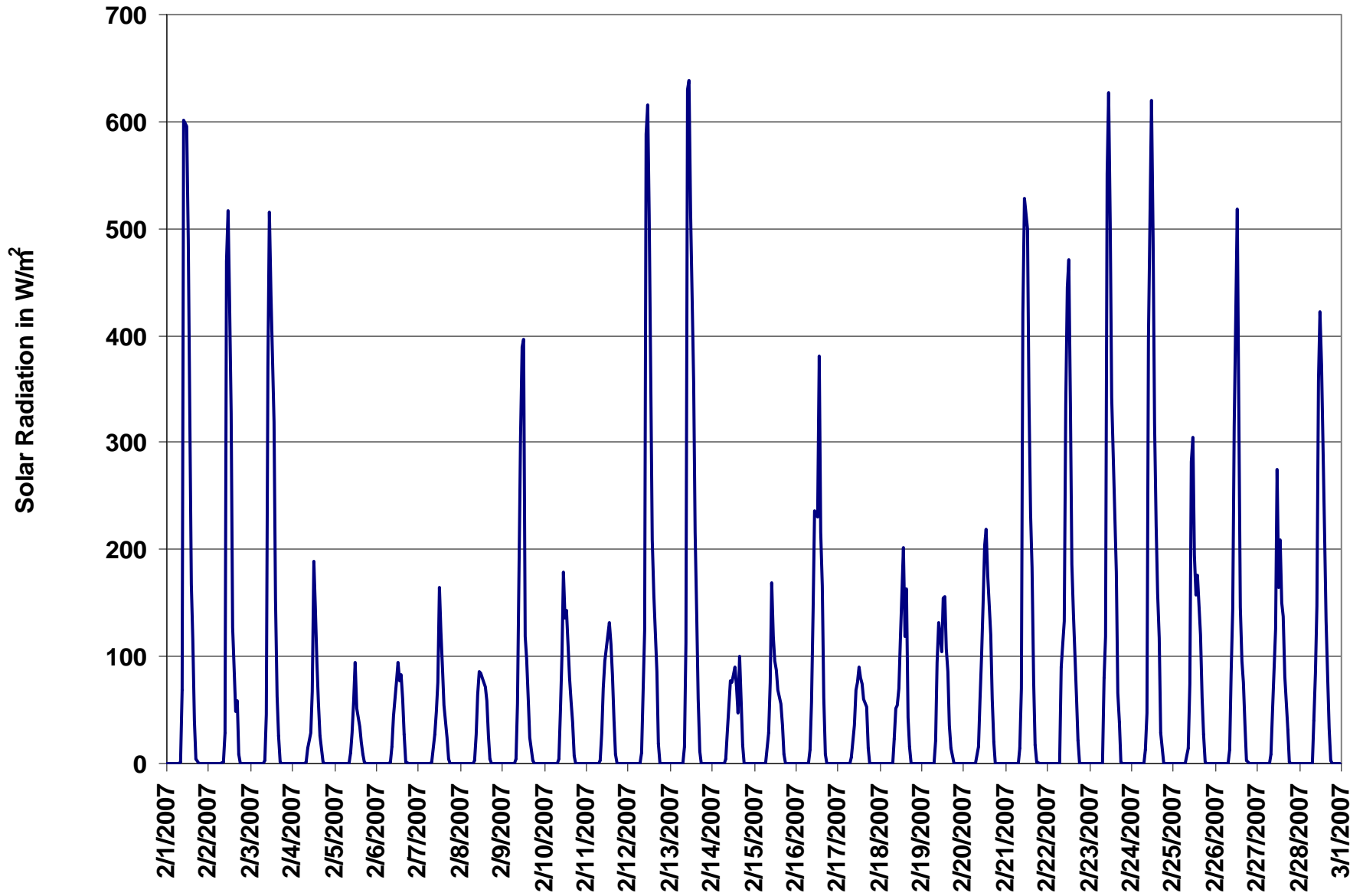


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

PASZA - Henry Pirkker - Scalar Wind Speed Monthly Summary

Station: Henry Pirkker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

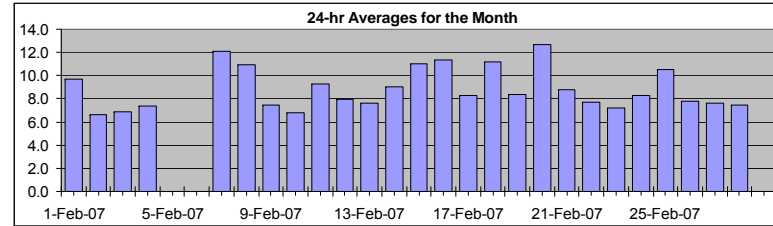
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	25.3	km/hr	16-Feb	18:00 19:00
Maximum 24-hr Value:	12.7	km/hr	20-Feb	

Calm Time:	0 hrs	0% calms	Operational Time:	634 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	94.3%				
Percentile	99	95	75	50	25	5	1	AverageS
	20.6	14.7	9.9	8.2	6.8	5.7	5.0	8.8 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 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	0:00		
1-Feb-07	21	15	15	14	11	11	9	9	8	7	7	9	9	9	9	7	9	9	7	8	8	8	9	8	7	9.7	20.6
2-Feb-07	7	6	4	6	6	6	7	5	6	6	8	7	9	7	7	6	8	7	6	7	8	7	7	7	6.6	8.8	
3-Feb-07	8	7	8	7	7	7	7	7	7	8	7	6	8	7	7	7	7	7	6	8	6	6	6	5	6.9	8.3	
4-Feb-07	5	6	7	6	7	7	7	6	6	7	7	8	8	9	9	10	11	9	10	8	7	5	6	7	7.4	11.0	
5-Feb-07	7	6	8	9	10	10	9	6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9.9
6-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	10	N	9.6	
7-Feb-07	10	12	11	11	12	10	10	10	11	13	12	12	12	13	13	13	13	13	13	14	12	13	13	14	12.1	13.7	
8-Feb-07	12	12	12	13	12	10	10	10	10	10	10	11	10	11	11	11	11	11	10	11	11	12	11	10	10.9	12.7	
9-Feb-07	9	8	8	7	7	7	7	7	6	7	9	9	7	7	7	7	7	5	9	8	8	8	8	7	7.5	9.4	
10-Feb-07	7	7	6	6	6	6	5	5	6	5	6	6	7	7	6	6	9	8	8	8	8	8	7	8	6.8	9.1	
11-Feb-07	9	9	10	10	9	8	8	7	7	7	8	9	10	10	9	11	11	9	10	9	11	9	10	10	9.3	10.8	
12-Feb-07	11	9	10	8	9	9	7	7	6	8	8	6	7	8	7	8	8	9	9	9	8	5	6	6	7.9	11.3	
13-Feb-07	8	9	7	9	10	9	8	7	5	7	10	6	9	8	8	10	9	7	8	7	6	5	7	5	7.6	10.1	
14-Feb-07	6	6	6	6	6	6	5	5	8	6	7	7	7	11	9	8	9	9	14	10	17	22	15	11	9.0	22.1	
15-Feb-07	16	22	14	20	20	17	13	18	14	12	7	7	6	6	5	7	7	9	8	7	7	7	7	9	11.0	22.1	
16-Feb-07	10	17	16	11	9	9	8	8	9	9	7	8	6	6	6	6	7	22	25	23	15	14	10	9	11.3	25.3	
17-Feb-07	8	6	6	6	7	7	8	9	12	12	11	11	12	10	9	9	10	8	8	6	6	6	7	6	8.3	12.0	
18-Feb-07	8	9	9	11	10	14	13	18	23	18	19	16	12	11	10	7	8	6	8	9	9	7	6	8	11.2	22.7	
19-Feb-07	8	7	8	7	6	6	6	6	6	8	12	10	12	14	14	11	8	6	6	6	8	9	7	8	8.4	14.1	
20-Feb-07	9	17	16	15	17	13	13	18	16	19	19	18	15	12	9	8	9	8	9	9	9	9	10	10	12.7	18.9	
21-Feb-07	9	8	9	10	10	9	9	9	8	9	9	7	7	10	10	9	11	10	10	7	9	8	6	7	8.8	11.4	
22-Feb-07	7	6	6	8	5	7	6	6	7	7	8	7	8	9	10	11	10	10	8	8	7	7	8	10	7.7	10.9	
23-Feb-07	7	6	7	8	7	8	5	6	6	8	7	6	8	7	10	8	9	10	9	7	6	5	6	6	7.2	10.1	
24-Feb-07	7	6	6	7	8	7	8	7	7	6	6	7	8	9	7	8	7	10	12	12	12	11	13	11	8.3	13.0	
25-Feb-07	12	13	14	13	14	10	9	9	10	9	9	11	11	11	12	12	10	9	9	10	9	7	9	11	10.5	14.0	
26-Feb-07	10	9	10	10	6	6	6	5	7	6	5	9	9	8	9	9	8	8	8	8	9	8	7	7	7.8	10.3	
27-Feb-07	9	8	9	8	7	6	7	7	5	6	6	8	10	10	9	9	8	8	8	6	7	7	8	7	7.6	9.9	
28-Feb-07	7	7	7	6	6	6	8	6	7	10	9	8	9	10	10	9	9	8	7	7	6	6	7	7	7.5	9.6	
1-hr Average	9.1	9.4	9.2	9.3	9.1	8.5	8.0	8.4	8.6	8.8	9.0	8.9	9.1	9.1	8.8	8.8	8.9	9.0	9.4	8.9	8.8	8.5	8.3	8.2			
Hourly Max	20.6	22.1	16.3	20.4	19.9	17.2	13.0	18.0	22.7	18.9	19.1	18.0	15.2	14.1	13.6	13.4	12.8	21.5	25.3	23.4	16.9	22.1	14.8	13.6			

PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

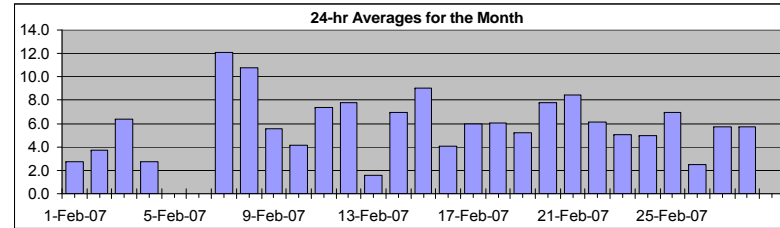
Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	25.3	km/hr	16-Feb	18:00 19:00
Maximum 24-hr Value:	12.1	km/hr	7-Feb	

Calm Time:	0 hrs	0% calms	Operational Time:	634 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	94.3%				
Percentile	99	95	75	50	25	5	1	AverageV
	20.4	14.1	9.6	7.8	6.1	3.7	1.5	3.2 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							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	0:00			
1-Feb-07	20	14	15	14	11	10	8	8	8	6	6	9	8	8	7	9	9	9	7	7	8	8	7	1		2.7	20.4	
2-Feb-07	3	4	1	5	6	4	5	4	4	5	7	6	9	3	6	4	7	6	5	7	6	7	6	7		3.7	8.7	
3-Feb-07	7	7	8	6	5	6	5	7	5	7	6	5	8	6	6	6	6	6	5	7	5	6	5	3		6.4	7.9	
4-Feb-07	2	5	6	5	7	6	6	3	4	5	6	8	8	8	8	10	11	9	9	8	6	2	4	7		2.7	10.8	
5-Feb-07	6	5	8	8	9	6	8	5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		N	9.2	
6-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	9		N	9.5
7-Feb-07	10	12	11	11	11	10	10	10	11	12	12	12	12	13	13	13	13	13	12	14	12	13	13	13		12.1	13.5	
8-Feb-07	12	12	12	12	11	10	10	10	10	10	10	11	10	11	11	11	11	10	10	11	11	11	10	9		10.7	12.5	
9-Feb-07	9	8	8	7	7	6	7	7	5	7	8	9	6	6	6	6	6	3	8	8	7	8	8	7		5.5	9.2	
10-Feb-07	7	7	4	5	5	6	4	5	6	5	5	6	6	4	5	5	9	8	8	8	8	8	7	8		4.1	8.6	
11-Feb-07	8	9	10	10	9	8	8	7	7	7	7	9	10	9	9	11	10	9	10	9	10	9	10	10		7.4	10.7	
12-Feb-07	11	9	9	8	9	8	7	7	6	8	7	5	6	7	7	8	8	9	9	9	8	5	6	6		7.8	11.1	
13-Feb-07	8	9	7	9	10	9	7	6	4	6	10	1	9	7	7	9	8	7	8	7	5	4	5	3		1.6	10.0	
14-Feb-07	3	5	4	3	5	3	2	2	5	6	6	6	2	7	7	7	8	7	11	9	17	22	15	11		6.9	22.0	
15-Feb-07	16	22	14	20	20	17	13	18	14	8	6	5	5	5	4	6	3	6	7	6	7	7	7	9		9.0	22.1	
16-Feb-07	10	17	16	11	8	9	7	8	9	9	7	7	6	5	5	5	2	21	25	23	15	14	10	8		4.1	25.3	
17-Feb-07	6	6	5	4	5	4	7	9	12	12	11	11	12	10	8	9	10	6	7	4	2	4	5	3		6.0	11.9	
18-Feb-07	7	5	9	11	10	13	8	17	23	17	19	15	12	11	10	6	8	5	7	9	9	6	5	7		6.0	22.6	
19-Feb-07	7	7	8	6	5	5	6	5	6	8	12	10	12	14	13	11	7	5	4	5	1	8	6	7		5.2	13.8	
20-Feb-07	8	17	16	15	17	12	13	17	16	19	19	18	15	11	9	6	8	8	8	8	9	8	9	10		7.8	18.8	
21-Feb-07	9	8	8	10	10	9	9	9	8	9	9	6	6	9	10	8	11	10	10	7	9	8	6	6		8.4	11.2	
22-Feb-07	7	6	5	7	3	7	6	5	6	7	8	7	8	9	10	11	10	10	8	8	6	6	7	10		6.2	10.7	
23-Feb-07	7	6	7	8	7	7	5	6	4	7	7	6	7	7	10	8	9	10	7	7	5	1	1	4		5.1	10.0	
24-Feb-07	7	5	4	5	8	6	7	7	6	5	4	6	8	9	5	7	6	9	12	11	10	13	11		5.0	12.9		
25-Feb-07	11	13	13	13	14	9	9	9	9	8	8	10	10	10	12	11	10	8	9	10	9	7	9	11		7.0	13.9	
26-Feb-07	10	8	10	10	6	5	5	4	7	5	5	6	8	8	8	8	8	7	8	8	8	8	7	7		2.5	9.9	
27-Feb-07	9	8	9	8	7	6	7	6	5	6	6	8	9	9	8	9	8	8	8	8	6	7	7	7		5.7	9.4	
28-Feb-07	6	6	7	6	6	5	6	6	7	9	9	8	8	9	9	8	8	7	6	6	6	6	6	7		5.7	9.3	
1-hr Vector	16.2	18.0	13.4	12.6	9.1	9.4	10.1	10.5	15.3	15.4	14.6	19.3	19.4	15.1	12.4	16.8	13.7	11.3	7.9	7.6	5.7	5.0	5.4	5.6				
Hourly Max	20.4	22.1	16.2	20.3	19.8	17.2	12.7	17.8	22.6	18.8	19.0	17.8	15.1	13.8	13.4	13.2	12.7	21.2	25.3	23.3	16.8	22.0	14.7	13.4				

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	349.8	326.2	293.4	168.4	51.0	23.2	10.8	351 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-Feb-07	331	15	45	61	87	93	117	117	147	138	185	273	254	245	289	306	317	296	309	311	300	312	314	54	346	NNW
2-Feb-07	91	145	78	284	343	37	276	38	351	298	300	293	271	256	107	321	313	24	322	301	310	334	305	310	320	NW
3-Feb-07	294	335	289	339	328	302	286	311	330	290	282	288	284	262	272	300	296	294	304	316	295	283	282	244	297	WNNW
4-Feb-07	237	285	311	285	321	326	305	159	75	81	137	106	98	73	63	76	78	83	89	72	4	333	259	320	54	NE
5-Feb-07	13	95	97	93	83	91	97	89	102	96	48	20	3	355	334	21	352	326	300	304	309	304	312	32	N	-
6-Feb-07	46	50	50	37	51	56	46	41	47	57	44	60	50	56	54	50	50	49	53	52	58	57	64	59	N	-
7-Feb-07	54	58	58	57	59	57	46	51	49	56	60	57	51	50	53	52	45	47	51	47	50	51	51	51	52	NE
8-Feb-07	50	37	41	44	45	45	49	46	37	46	40	39	37	37	32	35	27	23	21	16	14	24	26	27	35	NE
9-Feb-07	35	45	48	38	25	26	23	17	326	296	315	13	38	29	37	29	12	10	289	298	295	305	307	302	358	N
10-Feb-07	302	288	324	126	188	164	250	277	297	302	284	271	101	304	12	47	337	322	323	311	323	332	295	295	309	NW
11-Feb-07	320	310	314	303	310	321	349	21	52	33	34	23	22	24	42	52	47	40	35	41	45	49	45	45	18	NNE
12-Feb-07	46	38	37	44	50	51	62	53	41	59	47	30	24	55	44	56	49	53	61	60	57	47	59	56	49	NE
13-Feb-07	76	77	67	67	74	71	70	91	107	99	101	222	275	292	333	302	290	305	308	297	314	220	196	292	18	NNE
14-Feb-07	284	288	290	179	171	271	253	147	311	164	266	275	284	154	196	238	213	208	259	229	223	234	233	219	232	SW
15-Feb-07	238	241	235	241	234	232	223	231	231	265	222	141	136	182	166	174	275	286	254	301	320	293	288	275	240	WSW
16-Feb-07	284	297	301	307	319	318	350	66	96	87	62	106	50	47	23	45	42	243	240	241	236	229	224	216	274	W
17-Feb-07	211	112	87	140	108	52	98	98	89	93	84	78	88	94	69	76	75	3	327	296	163	114	101	148	90	E
18-Feb-07	267	250	233	230	218	219	224	297	301	285	294	301	293	283	305	294	350	40	72	97	97	54	16	18	287	WNNW
19-Feb-07	49	44	37	31	62	72	56	66	50	64	80	86	68	84	79	76	101	31	78	217	325	219	239	261	66	ENE
20-Feb-07	274	299	293	297	294	300	311	303	295	289	291	286	276	273	277	264	71	60	61	54	61	66	70	70	307	NW
21-Feb-07	69	46	48	59	59	65	64	59	55	49	57	38	45	357	13	40	57	59	55	47	57	57	58	58	51	NE
22-Feb-07	59	44	332	314	319	298	297	295	285	277	271	269	272	274	275	284	292	293	296	290	263	277	221	222	285	WNNW
23-Feb-07	230	230	238	233	244	263	274	301	231	222	228	288	281	296	336	350	329	317	316	302	297	29	197	318	280	W
24-Feb-07	302	292	276	311	304	298	301	299	298	284	267	265	288	314	5	53	26	25	35	39	45	43	50	42	347	NNW
25-Feb-07	39	40	42	42	44	53	66	58	52	28	17	11	29	18	340	328	319	290	293	291	288	301	284	285	5	N
26-Feb-07	279	252	225	247	268	286	238	217	273	275	263	74	67	41	42	48	46	38	33	38	33	31	327	313	341	NNW
27-Feb-07	303	313	321	320	305	310	306	284	216	242	278	273	288	284	294	305	308	301	329	335	20	46	56	50	310	NW
28-Feb-07	347	300	307	294	308	337	358	292	311	2	15	19	17	15	13	59	55	64	11	325	312	300	295	308	348	NNW
Hourly Avg	183.1	172.3	179.4	179.4	186.4	179.2	192.6	154.5	180.5	159.9	163.3	150.2	142.6	169.7	146.6	152.8	170.4	147.5	183.0	197.6	182.7	176.6	184.7	174.6		

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

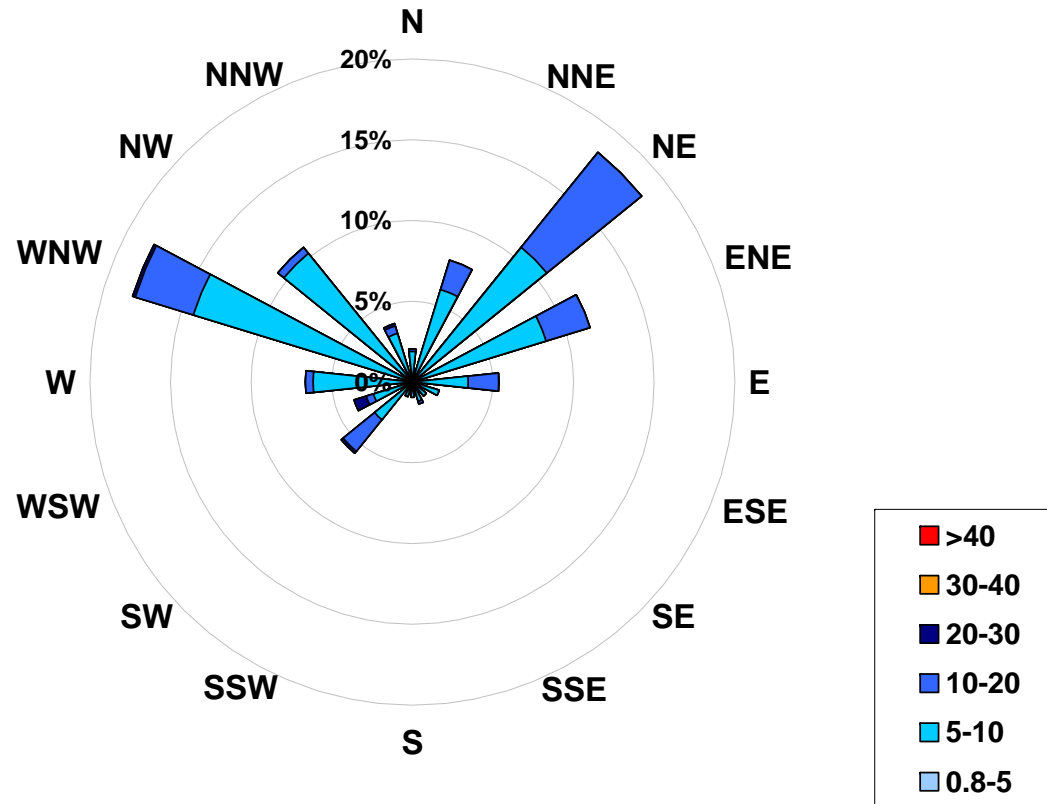
Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs
Calibration Time:	0 hrs	AMD Operational Uptime: 100.0%		
Percentile	99	95	75	50
	55.8	40.8	19.9	13.3
			9.2	5.1
				3.8

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																							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-Feb-07	Hour End	4	12	8	10	12	12	14	13	10	16	21	11	13	12	12	5	9	9	18	14	10	11	15	53
2-Feb-07	37	29	47	19	13	17	38	22	33	27	20	14	7	22	26	41	14	13	34	15	20	13	19	18	
3-Feb-07	17	11	18	27	28	16	24	15	48	15	28	23	13	13	18	13	24	23	17	12	19	10	25	43	
4-Feb-07	63	26	12	32	19	21	34	52	58	55	29	17	15	12	11	8	9	14	9	12	20	38	34	11	
5-Feb-07	23	23	21	20	24	59	31	41	23	14	25	16	15	23	29	23	14	15	6	5	6	6	16	13	
6-Feb-07	16	12	11	14	10	15	15	14	13	17	12	16	13	15	15	16	14	11	10	9	10	9	8	9	
7-Feb-07	10	9	9	11	9	9	11	9	9	8	9	9	10	9	10	9	9	9	8	8	9	9	9	8	
8-Feb-07	11	12	10	11	14	12	17	12	13	13	13	12	16	12	16	15	14	15	12	11	13	13	16	19	
9-Feb-07	14	19	15	29	23	20	14	11	13	7	18	16	32	27	33	25	33	54	11	9	9	8	8	9	
10-Feb-07	9	9	20	17	17	14	18	14	12	20	16	11	32	53	39	31	20	9	8	7	11	8	9	8	
11-Feb-07	7	8	6	5	6	6	10	17	15	18	15	13	13	14	17	11	12	14	13	12	11	13	11	12	
12-Feb-07	9	17	12	14	12	13	14	14	19	14	15	34	25	21	23	17	13	11	11	10	7	22	16	15	
13-Feb-07	9	6	10	6	6	6	9	12	24	20	7	55	18	13	20	11	8	11	9	10	29	27	33	53	
14-Feb-07	67	54	50	57	37	58	58	53	49	29	26	28	46	27	32	25	17	31	13	17	5	5	4	8	
15-Feb-07	8	10	8	6	4	4	6	4	6	29	37	33	17	22	24	27	37	24	7	9	6	4	5	4	
16-Feb-07	4	4	5	8	12	8	14	11	11	13	19	28	25	31	37	25	35	9	3	3	5	5	12	8	
17-Feb-07	18	9	25	39	38	42	10	6	6	7	8	9	8	9	14	12	14	22	19	45	50	54	29	40	
18-Feb-07	25	47	11	10	7	6	40	19	4	5	6	8	9	12	13	23	9	20	14	11	14	28	20	20	
19-Feb-07	15	14	17	26	35	33	19	32	21	11	7	13	10	10	9	20	23	42	55	35	45	16	29	17	
20-Feb-07	21	4	5	4	4	7	8	5	6	5	6	5	4	7	9	45	16	17	10	16	12	15	11	11	
21-Feb-07	13	14	15	10	10	10	11	10	13	12	14	27	32	14	14	18	9	8	8	16	9	11	22	22	
22-Feb-07	11	23	19	8	52	11	15	18	10	7	9	6	5	4	4	8	6	9	11	9	13	17	13	7	
23-Feb-07	12	19	10	11	17	11	28	15	21	12	14	25	11	14	7	16	13	8	31	18	36	31	36	38	
24-Feb-07	12	23	19	26	7	14	14	14	13	34	39	29	8	9	40	20	21	13	11	8	10	9	6	10	
25-Feb-07	8	8	9	7	7	25	19	13	11	21	25	16	16	17	10	10	8	9	5	4	4	8	6	5	
26-Feb-07	11	9	9	8	23	21	19	21	7	12	17	26	18	20	18	17	20	15	13	13	10	12	13	11	
27-Feb-07	4	4	3	5	7	30	8	11	14	14	6	8	9	11	9	9	7	9	7	12	13	17	16	14	
28-Feb-07	14	10	8	17	11	29	21	9	12	12	15	24	20	22	21	21	13	16	16	13	17	20	19	9	

Hourly Max	67	54	50	57	52	59	58	53	58	55	39	55	46	53	40	45	37	54	55	45	50	54	36	53
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1-hr Average Wind Rose (in km/hr) Located at the Henry Pirker Site for February 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	5
5	to	10	477
10	to	20	144
20	to	30	8
30	to	40	0
	>	40	0
Total Non-Zero Values			634

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)

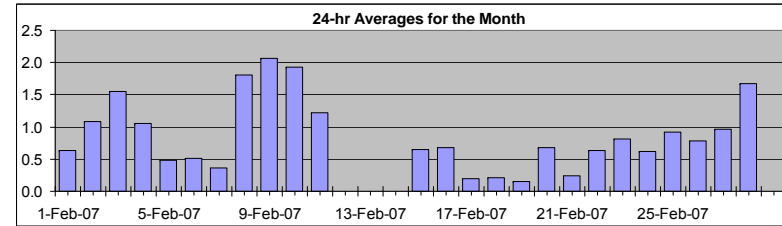
Monitoring Dates: February 1, 2007 to March 1, 2007

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:	5.4	ppb	15-Feb	10:00	11:00
Maximum 24-hr Average:	2.1	ppb	9-Feb		

AIC Time:	27 hrs	Operational Time:	591 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.6	2.7	1.2	0.6	0.3	0.0	0.0	0.9 ppb	0.6 ppb



Status Flag Characters

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

Day	Mountain Standard Time																							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-Feb-07	0	0	0	0	0	0	0	0	0	0	0	1	1	0	A	1	1	1	1	1	1	2	1	1	0.6	1.5
2-Feb-07	1	1	1	1	0	0	3	4	2	1	3	1	1	A	1	1	0	0	0	0	1	1	1	1	1.1	3.6
3-Feb-07	2	1	3	2	1	1	2	3	2	3	2	1	A	1	1	1	2	1	1	1	1	1	1	1	1.6	3.2
4-Feb-07	1	2	2	1	1	1	1	2	1	1	2	1	A	3	1	1	1	1	0	0	0	0	0	0	1.1	2.7
5-Feb-07	0	0	0	0	0	0	0	0	0	0	0	A	0	1	1	1	0	0	1	1	1	1	1	0	0.5	0.9
6-Feb-07	0	0	0	0	0	0	0	0	0	A	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0.5	1.0
7-Feb-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	0.4	0.5
8-Feb-07	0	0	0	1	1	1	1	A	1	1	1	1	2	2	3	3	3	3	2	2	3	4	3	4	1.8	3.6
9-Feb-07	3	3	3	2	3	3	A	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1	3.5
10-Feb-07	2	2	2	1	1	A	1	1	1	1	2	2	2	2	2	2	2	3	2	2	3	3	2	3	1.9	3.1
11-Feb-07	2	2	3	3	A	2	2	2	1	1	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1.2	2.8
12-Feb-07	1	1	1	A	0	0	1	1	1	1	1	1	1	C	C	N	N	N	N	N	N	N	N	N	N	1.4
13-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	C	A	0	0	0	0	N	0.1
15-Feb-07	0	0	0	0	0	0	0	0	0	2	5	3	2	1	1	1	0	0	0	0	0	0	0	0	0.7	5.4
16-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	A	A	2	2	2	1	1	1	1	1	1	1	0.7	1.9
17-Feb-07	1	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
18-Feb-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
19-Feb-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
20-Feb-07	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.7	1.2
21-Feb-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	0.5
22-Feb-07	A	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
23-Feb-07	1	0	0	0	0	A	0	1	0	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	0.8	1.8
24-Feb-07	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.6	1.4
25-Feb-07	0	0	0	A	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	2	2	2	1	0.9	1.9
26-Feb-07	1	1	A	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	1	0	0	0	0	0	0.8	1.7
27-Feb-07	0	0	0	0	0	A	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	0	0	1.0	2.4
28-Feb-07	0	0	0	0	A	0	0	0	0	1	1	2	4	5	5	4	4	3	2	1	1	1	1	1	1.7	5.0
Hourly Avg	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.8	0.7	0.9	1.2	1.1	1.2	1.1	1.3	1.2	1.1	1.0	0.8	0.7	0.8	0.8	0.8	0.8		
Hourly Max	3.2	3.3	3.2	2.7	3.5	3.1	2.7	3.6	2.2	2.7	5.4	3.0	3.6	5.0	4.9	4.1	4.0	3.4	2.5	2.1	2.9	3.6	3.1	3.6		

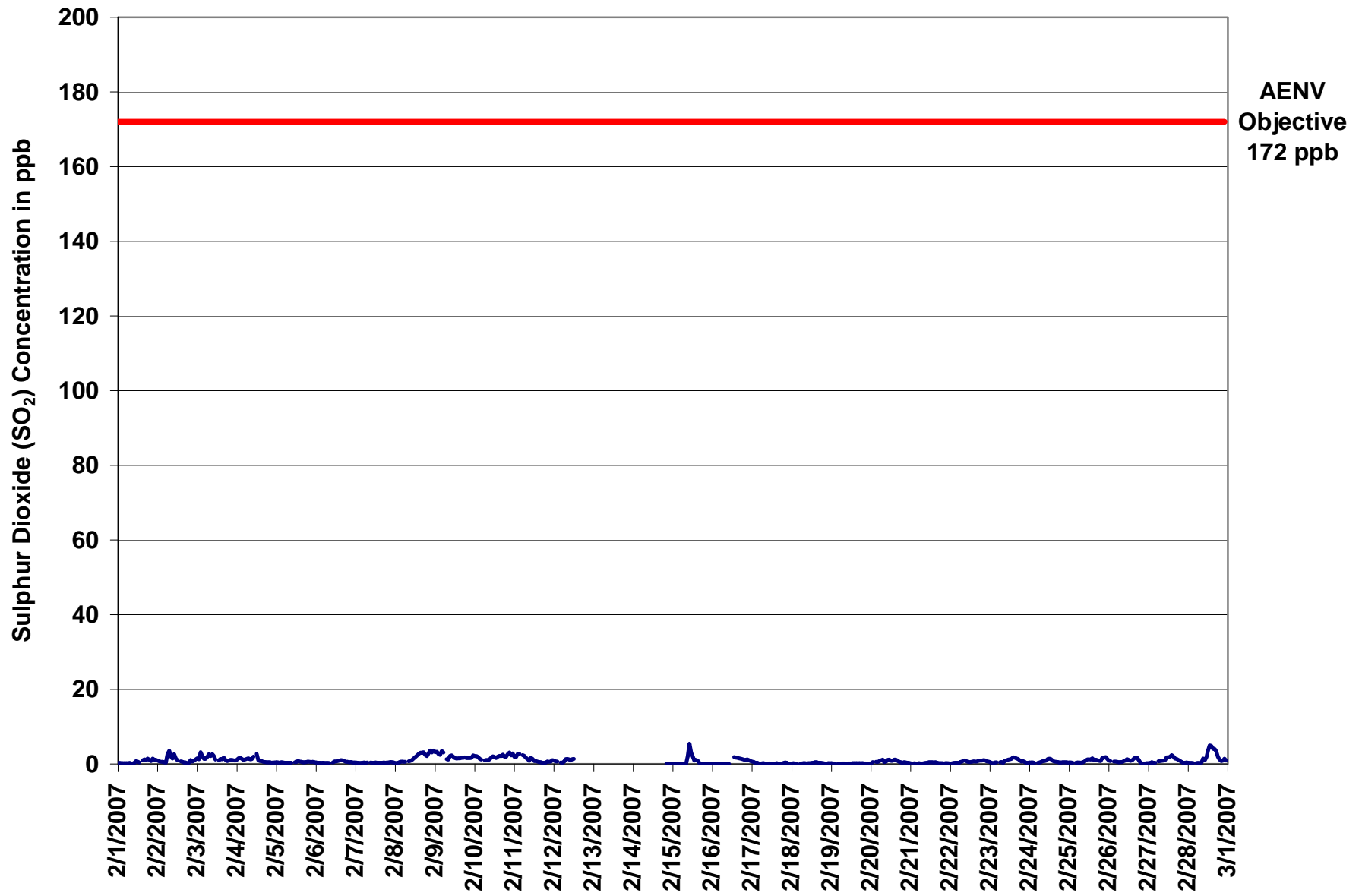


Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

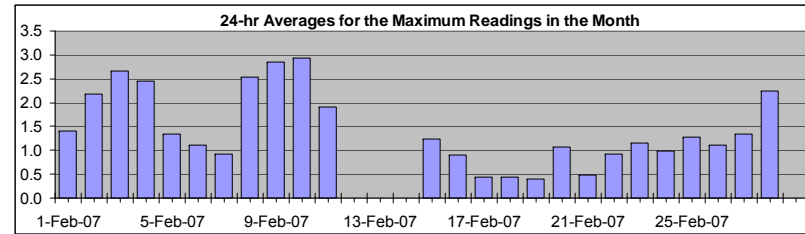
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	13.1	ppb	4-Feb	10:00 11:00
Maximum 24-hr Value:	2.9	ppb	10-Feb	



AIC Time:	27 hrs	Operational Time:	591 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	7.2	3.9	1.9	1.1	0.6	0.2	0.0	1.5 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																								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-Feb-07	1	1	1	1	1	1	1	1	1	1	1	2	1	1	A	2	2	2	3	2	2	4	2	2	1.4	3.9
2-Feb-07	2	1	1	1	1	1	5	7	4	3	4	3	2	A	1	1	1	1	1	1	2	2	2	3	2.2	7.5
3-Feb-07	3	2	5	3	2	3	3	4	3	5	4	2	A	2	3	3	3	2	1	2	2	1	2	2.7	5.1	
4-Feb-07	2	4	2	2	2	3	2	2	2	2	13	A	7	2	1	1	1	1	1	1	1	1	1	2.4	13.1	
5-Feb-07	1	1	1	1	1	1	1	1	1	1	A	1	1	2	1	1	1	1	1	8	1	1	1	1.3	8.3	
6-Feb-07	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1.1	1.7	
7-Feb-07	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	1.2	
8-Feb-07	1	1	1	1	1	1	1	A	1	2	2	2	3	3	4	4	4	4	3	3	4	4	4	5	2.5	4.6
9-Feb-07	4	4	4	3	5	4	A	2	2	5	3	3	2	2	2	2	2	2	2	2	3	2	2	2.8	4.7	
10-Feb-07	3	3	3	2	2	A	2	2	2	2	3	3	3	2	3	3	3	3	2	3	4	4	3	2.9	9.3	
11-Feb-07	3	3	4	3	A	3	3	2	2	1	3	3	2	1	1	1	1	1	1	1	1	1	2	1.9	3.5	
12-Feb-07	2	1	1	A	1	1	1	2	2	3	2	2	2	C	C	N	N	N	N	N	N	N	N	N	2.7	5.5
13-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	7.4
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	C	A	6	0	0	0	N	5.5	7.4
15-Feb-07	0	0	0	0	0	0	0	0	0	7	7	6	3	2	2	2	1	0	0	0	0	0	0	1.2	7.4	
16-Feb-07	0	0	0	0	0	0	0	0	0	0	0	A	A	2	2	2	2	2	1	1	1	3	1	0.9	2.5	
17-Feb-07	1	1	1	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0.4	0.9	
18-Feb-07	0	0	0	0	A	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0.4	0.6	
19-Feb-07	1	0	0	A	0	0	1	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0.4	0.8	
20-Feb-07	0	1	A	1	2	1	1	2	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1.1	2.0	
21-Feb-07	1	A	0	0	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5	0.9	
22-Feb-07	A	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5	
23-Feb-07	1	1	0	1	1	A	1	1	1	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1.2	2.3	
24-Feb-07	1	1	1	1	A	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1.0	2.3	
25-Feb-07	1	1	0	A	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	3	2	1.3	2.6	
26-Feb-07	1	1	A	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	1	0	0	0	1.1	2.3	
27-Feb-07	0	1	1	1	1	A	1	1	1	1	2	3	2	2	3	2	2	2	2	1	1	1	1	1.3	2.9	
28-Feb-07	1	0	0	1	A	0	0	0	1	3	2	3	5	6	5	5	5	5	3	2	1	1	2	2.3	6.0	
Hourly Avg	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.4	1.2	1.8	2.2	1.8	1.9	1.6	1.8	1.7	1.6	1.5	1.3	1.5	1.5	1.4	1.2	1.5		
Hourly Max	4.1	3.9	5.1	3.5	4.7	4.1	5.5	7.5	3.7	7.2	13.1	5.7	7.2	6.0	5.4	5.1	4.8	4.6	3.4	8.3	5.5	4.5	4.0	9.3		

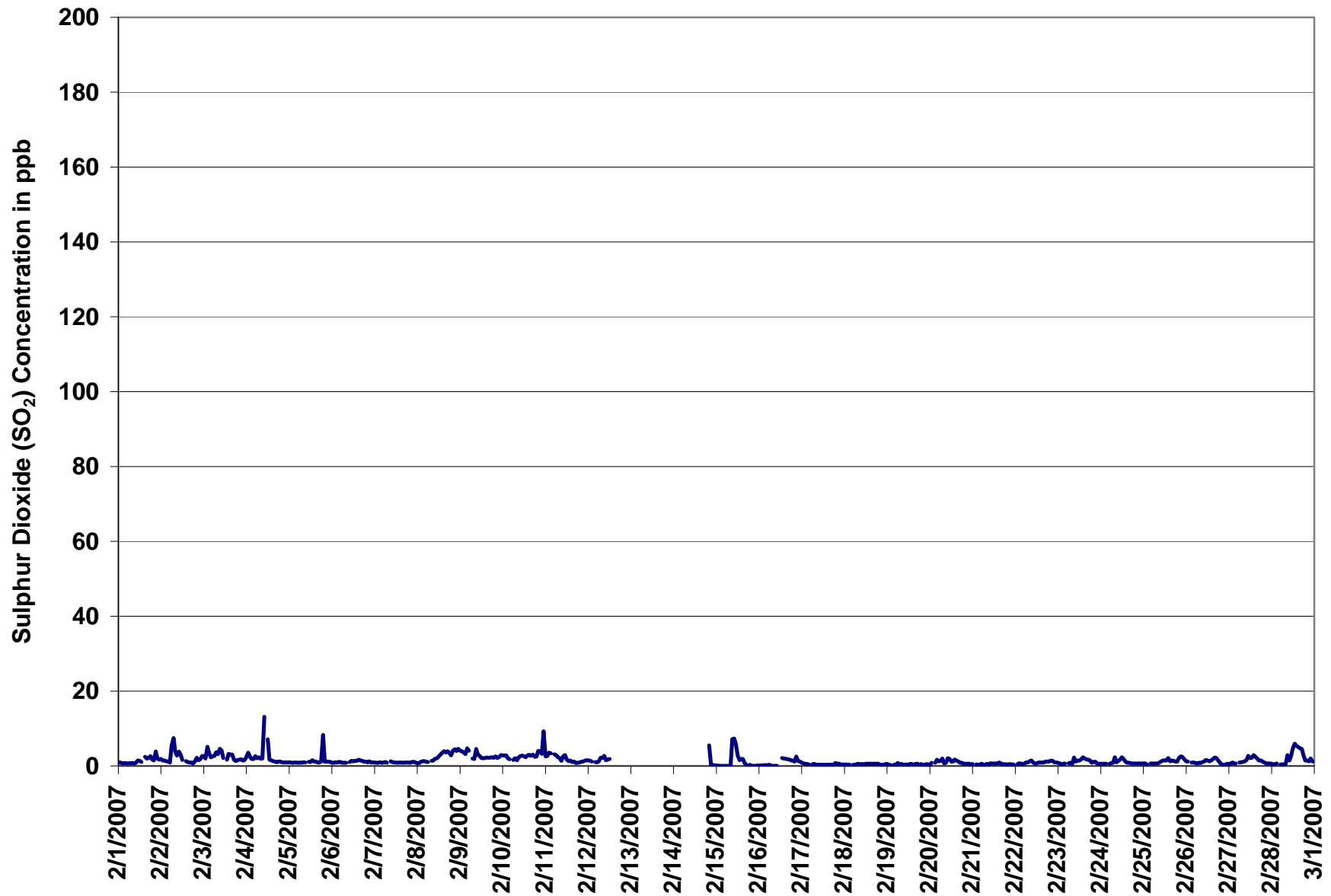
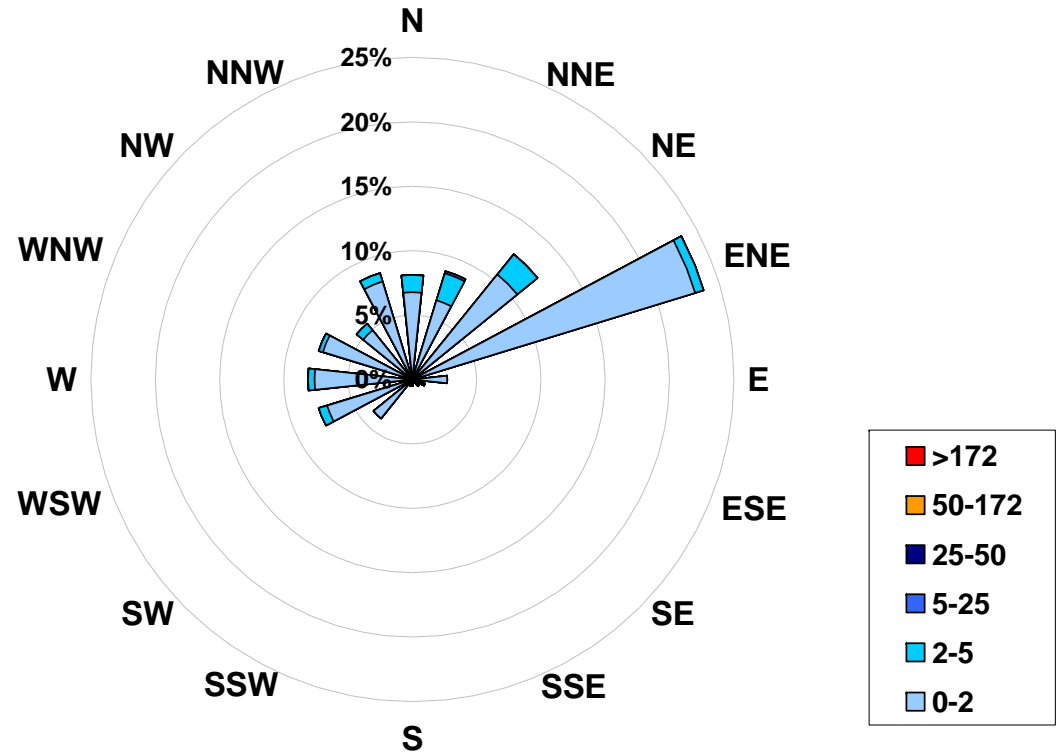


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	< 2		533
2	to 5		56
5	to 25		2
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			591

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

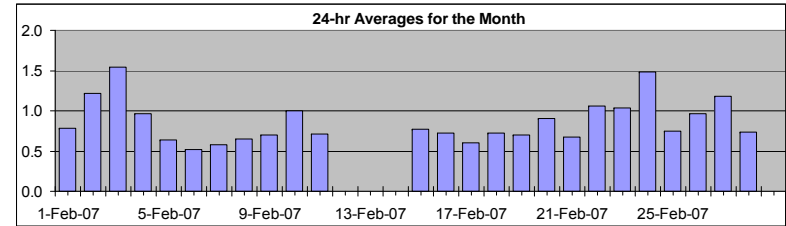
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Summary				
Maximum 1-hr Average:	4.7	ppb	24-Feb	5:00 6:00
Maximum 24-hr Value:	1.5	ppb	3-Feb	



AIC Time:	28 hrs	Operational Time:	589 hrs						
Calibration Time:	8 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	1.6	0.9	0.7	0.6	0.5	0.5	0.9 ppb	0.7 ppb

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

Day	Mountain Standard Time																								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-Feb-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	1	0.8	1.1		
2-Feb-07	1	1	1	1	1	1	1	1	1	1	4	3	1	A	1	1	1	1	1	1	1	1	1	1	1	1.2	3.9		
3-Feb-07	1	2	2	1	1	1	1	1	1	2	2	1	A	1	1	2	2	2	2	2	2	1	1	1	1.5	2.0			
4-Feb-07	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6		
5-Feb-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	1	0.6	0.8		
6-Feb-07	1	1	1	1	1	1	1	1	1	A	0	1	0	1	0	0	0	0	1	0	0	0	1	1	1	0.5	0.6		
7-Feb-07	1	1	1	0	1	1	1	1	A	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.6	0.7		
8-Feb-07	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.7		
9-Feb-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	1	0.7	1.1		
10-Feb-07	1	1	1	1	1	A	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	3.3		
11-Feb-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.7	1.2		
12-Feb-07	1	1	1	A	1	1	1	1	1	1	1	1	1	C	C	N	N	N	N	N	N	N	N	N	N	N	0.9		
13-Feb-07	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	0.0	
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	A	1	1	1	1	1	1	N	0.7		
15-Feb-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	0.8	1.2		
16-Feb-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	0.7	1.0		
17-Feb-07	0	0	0	0	1	A	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1		
18-Feb-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	0.7	0.9		
19-Feb-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	0.7	0.9		
20-Feb-07	1	1	A	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.7		
21-Feb-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	1	0.7	0.8		
22-Feb-07	A	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.9		
23-Feb-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	1.0	1.4		
24-Feb-07	1	1	1	1	A	5	3	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	4.7		
25-Feb-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	0.8	1.0		
26-Feb-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	A	2	1.0	1.6			
27-Feb-07	2	2	2	2	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	2.2		
28-Feb-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	0.7	1.4		
Hourly Avg	0.8	0.9	0.9	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.1	0.9	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9					
Hourly Max	1.8	2.0	2.2	1.7	1.3	4.7	3.4	2.2	3.3	2.6	3.9	3.0	1.4	1.4	1.3	1.7	2.0	2.0	2.0	2.0	1.7	1.7	1.4	1.6					

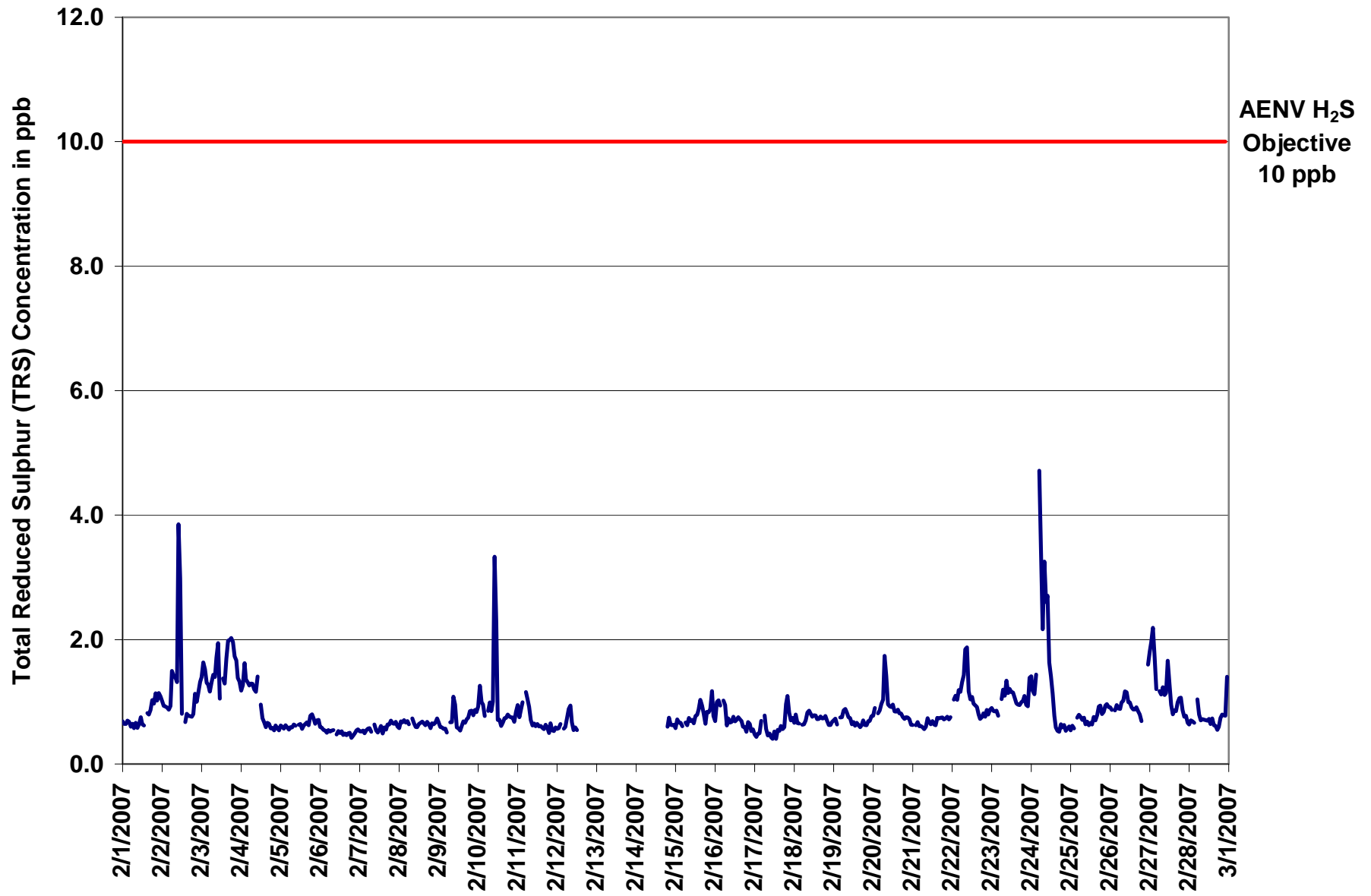


Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

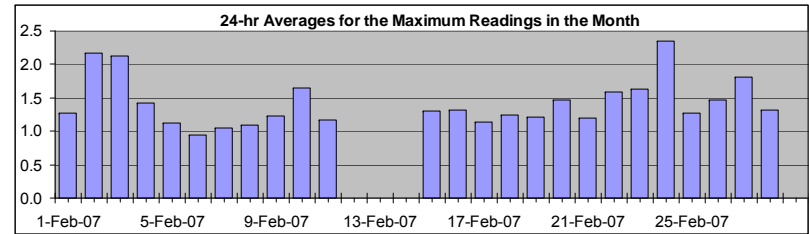
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	9.1	ppb	2-Feb	10:00 11:00
Maximum 24-hr Value:	2.4	ppb	24-Feb	



AIC Time:	28 hrs	Operational Time:	589 hrs						
Calibration Time:	8 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.3	2.4	1.5	1.3	1.1	0.9	0.9	1.4 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																								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-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	2	1	2	2	2	2	1.3	2.0
2-Feb-07	1	1	1	1	1	1	2	2	2	2	9	9	1	A	1	1	1	1	1	1	2	2	2	2	2.2	9.1
3-Feb-07	2	2	2	2	2	2	2	2	2	3	3	2	A	2	2	2	3	3	2	3	2	2	2	2	2.1	2.7
4-Feb-07	2	2	2	2	2	2	2	2	2	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1.4	2.0
5-Feb-07	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1.1	1.8
6-Feb-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
7-Feb-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	1.0	1.2
8-Feb-07	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.3
9-Feb-07	1	1	1	1	1	1	A	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.8
10-Feb-07	1	3	2	1	1	A	1	2	1	2	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1.6	5.5
11-Feb-07	2	1	1	1	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.7
12-Feb-07	1	1	1	A	1	1	1	1	2	1	1	1	1	C	C	N	N	N	N	N	N	N	N	N	N	1.9
13-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	A	1	4	1	1	1	1	4.2	
15-Feb-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1.3	2.0
16-Feb-07	1	2	1	1	A	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.3	1.7
17-Feb-07	1	1	1	1	1	A	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1.1	2.0
18-Feb-07	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.6
19-Feb-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	1.2	1.5
20-Feb-07	1	2	A	1	2	1	2	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	3.0
21-Feb-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	1.2	1.3
22-Feb-07	A	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1.6	2.5
23-Feb-07	2	1	1	1	1	A	2	2	2	2	2	2	2	2	2	1	1	2	1	1	2	2	1	2	1.6	2.4
24-Feb-07	2	2	2	3	A	7	5	4	5	3	4	2	2	2	1	1	1	1	1	1	1	1	1	1	2.4	7.2
25-Feb-07	1	1	1	A	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1.3	1.6
26-Feb-07	1	1	A	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	1	C	C	A	2	1.5	2.4
27-Feb-07	3	3	3	2	2	A	2	2	2	2	2	3	2	1	1	1	1	2	1	2	1	1	1	1	1.8	2.9
28-Feb-07	1	1	1	1	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1.3	2.5
Hourly Avg	1.4	1.4	1.4	1.4	1.3	1.6	1.5	1.5	1.6	1.6	2.0	1.7	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4		
Hourly Max	2.9	2.7	2.8	3.1	1.8	7.2	4.9	3.5	4.8	3.2	9.1	8.9	2.2	2.0	1.8	2.2	2.7	2.6	2.5	2.7	4.2	2.3	2.0	2.5		

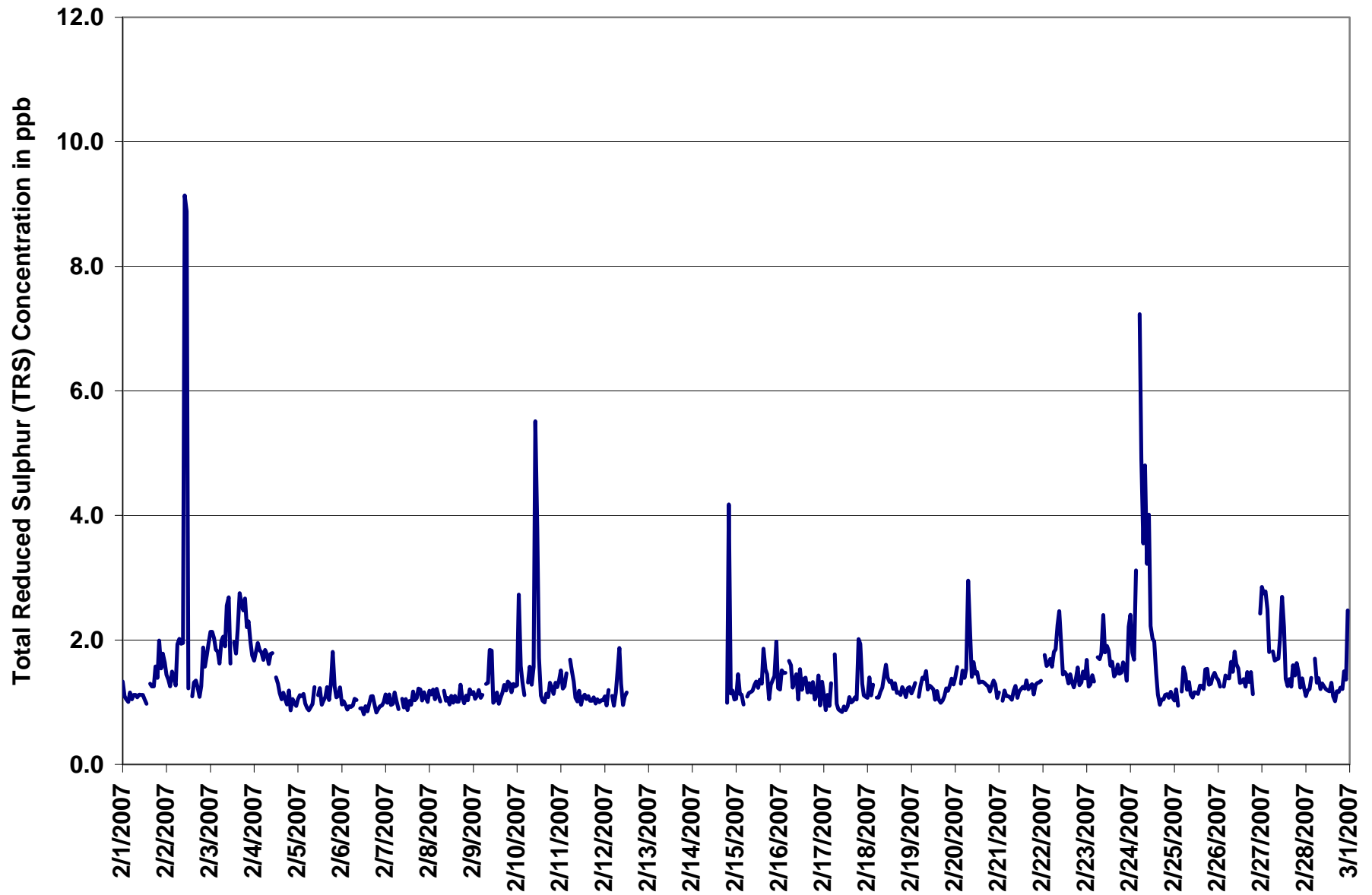
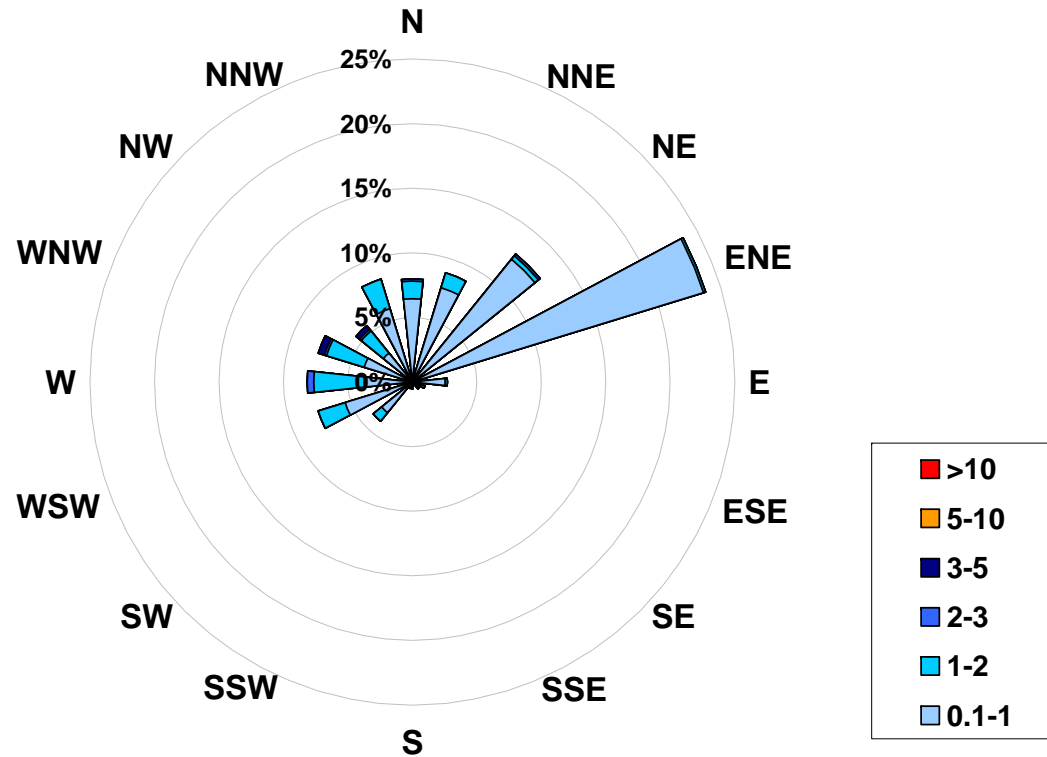


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			
Range		Frequency (hrs)	
0.1	< 1	467	
1	to 2	110	
2	to 3	7	
3	to 5	5	
5	to 10	0	
	> 10	0	
Total Non-Zero Values		589	

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

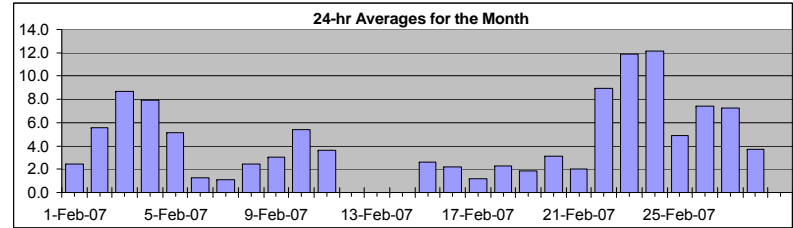
Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Draft Objective Limit: Alberta Environment: 1-hr - $\mu\text{g}/\text{m}^3$ 24-hr 30 $\mu\text{g}/\text{m}^3$
 Summary

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	35.0 $\mu\text{g}/\text{m}^3$ 24-Feb 11:00 12:00
Maximum 24-hr Value:	12.1 $\mu\text{g}/\text{m}^3$ 24-Feb

AIC Time:	0 hrs	Operational Time:	624 hrs
Calibration Time:	1 hrs	AMD Operational Uptime:	93.0%
Percentile	99	95	75
	22.1	12.0	6.8
			3.3
			1.8
			0.0
			0.0
Average / Median	4.7		3 $\mu\text{g}/\text{m}^3$
Geomean	3.7		$\mu\text{g}/\text{m}^3$



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	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-Feb-07	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	6	9	6	4	5	4	7	5	7	2.4	8.5
2-Feb-07	4	6	4	3	4	4	12	14	7	9	22	8	0	0	0	1	2	3	1	2	8	5	6	9	5.6	21.8		
3-Feb-07	10	7	12	8	5	6	7	10	7	18	15	8	3	3	7	6	13	10	9	11	9	9	8	7	8.7	17.5		
4-Feb-07	7	10	12	9	9	10	10	9	8	8	9	8	7	5	5	6	7	8	7	7	6	7	7	8	7.9	12.0		
5-Feb-07	8	8	7	6	6	6	6	6	4	4	4	4	6	7	6	6	7	6	4	4	3	2	3	2	5.1	8.2		
6-Feb-07	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	0	1	1	0	0	1	1.2	2.4		
7-Feb-07	0	0	0	1	0	0	2	3	3	2	2	2	1	1	0	0	0	1	2	1	1	2	1	2	1.1	2.8		
8-Feb-07	2	2	3	3	3	2	3	2	2	3	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2.4	3.4		
9-Feb-07	2	2	2	2	2	2	2	2	5	16	5	1	1	2	1	2	2	2	3	3	3	3	4	3	3.0	16.0		
10-Feb-07	3	3	3	5	3	4	4	4	4	8	12	8	2	3	4	8	7	7	5	6	5	6	7	7	5.4	11.7		
11-Feb-07	6	5	6	6	7	7	7	5	3	3	3	2	2	2	2	2	3	2	2	3	2	2	2	2	3.6	7.0		
12-Feb-07	2	2	2	1	1	2	2	6	8	10	5	0	2	1	2	N	N	N	N	N	N	N	N	N	N	N	9.8	
13-Feb-07	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	0.0	
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	13	10	C	14	12	0	0	1	0	0	N	13.5	
15-Feb-07	0	0	0	0	0	0	0	0	0	0	0	1	6	5	6	4	5	4	5	4	7	7	5	5	6	2.6	7.3	
16-Feb-07	0	2	4	2	2	2	3	2	3	3	3	3	4	3	4	5	4	1	0	0	2	0	0	0	0	2.2	4.8	
17-Feb-07	0	0	0	1	1	3	1	1	0	0	0	0	0	0	0	2	0	0	1	2	5	5	4	2	2	1.2	4.9	
18-Feb-07	6	7	1	0	0	0	0	1	3	4	2	2	2	3	2	2	2	3	2	3	2	2	2	2	4	2.3	7.0	
19-Feb-07	3	2	2	1	2	1	2	3	3	3	2	1	0	0	1	0	1	1	1	1	2	1	2	4	7	1.9	7.1	
20-Feb-07	6	5	3	3	3	3	4	3	2	2	2	2	2	2	3	3	5	3	3	3	3	2	2	3	2	3.1	6.4	
21-Feb-07	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	2	1	4	2	1	2.0	3.8	
22-Feb-07	2	3	4	5	5	7	10	11	17	21	8	10	15	14	11	10	9	12	7	6	7	8	8	7	9.0	20.7		
23-Feb-07	8	7	8	8	7	7	8	8	7	11	8	9	19	35	25	12	13	12	13	18	15	9	9	12	11.9	34.6		
24-Feb-07	11	13	11	11	13	15	18	17	23	22	34	35	26	20	9	3	1	3	2	2	0	1	1	2	12.1	35.0		
25-Feb-07	2	3	3	2	4	5	5	6	6	6	4	3	3	3	4	4	6	6	6	7	6	8	8	6	4.9	8.3		
26-Feb-07	6	6	6	6	6	5	6	6	6	8	7	7	7	9	9	8	8	9	8	7	8	9	10	10	7.4	10.0		
27-Feb-07	11	11	8	6	7	9	9	9	8	11	10	7	7	7	6	6	7	8	9	8	3	2	3	2	7.2	11.0		
28-Feb-07	2	3	2	2	3	4	2	1	2	3	2	4	4	5	5	4	4	4	4	6	6	7	4	6	3.7	6.6		
Hourly Avg	4.1	4.2	4.2	3.6	3.7	4.1	4.9	5.0	5.2	6.8	6.3	5.1	4.8	5.3	4.8	4.6	4.8	4.9	4.5	4.5	4.3	4.2	4.2	4.5				
Hourly Max	11.2	12.6	12.4	10.7	12.7	14.6	18.2	16.6	22.7	22.2	33.6	35.0	26.3	34.6	24.5	11.9	12.7	13.5	13.3	17.7	14.9	9.3	10.0	11.6				

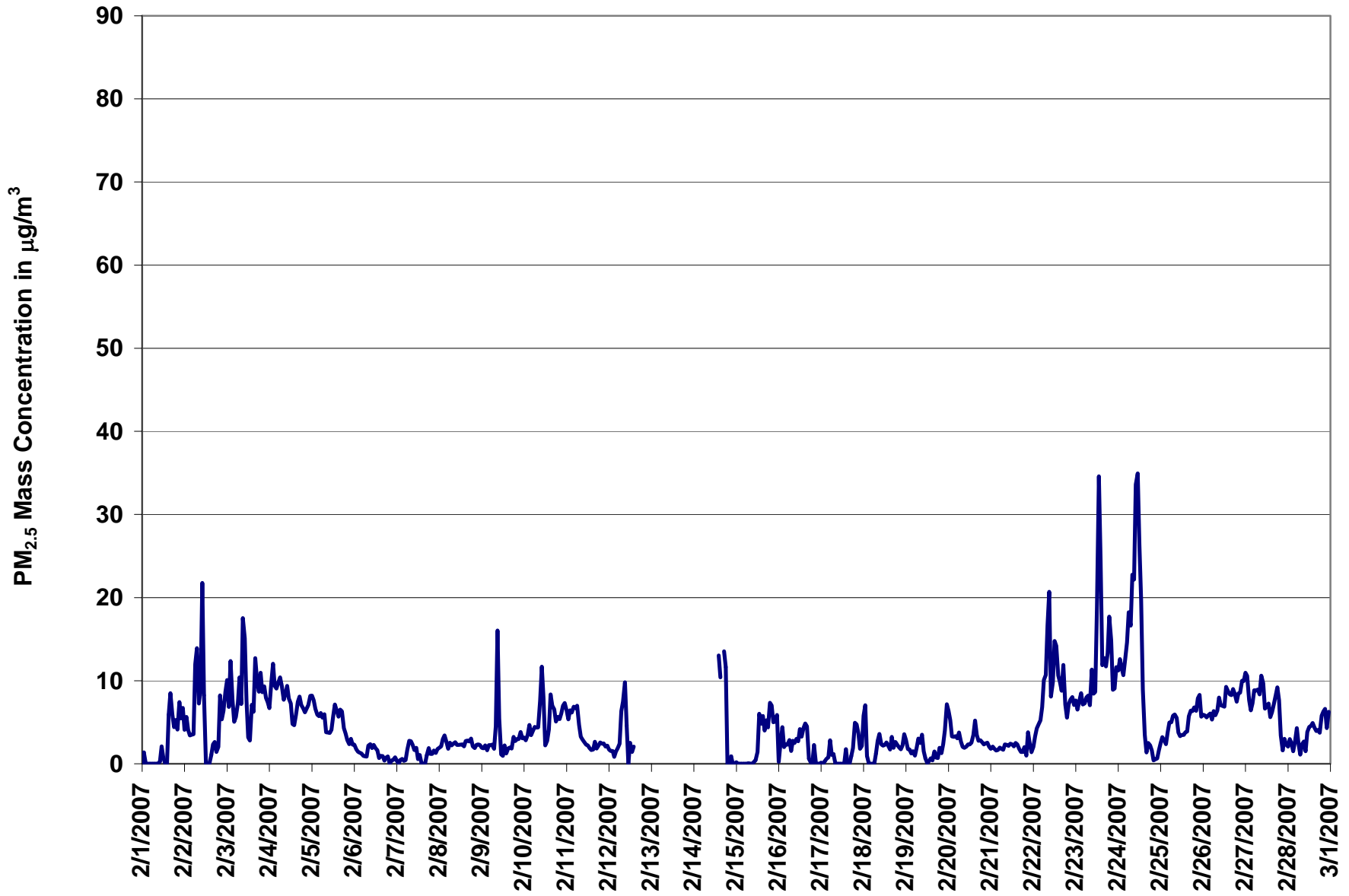


Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Monitoring Dates: February 1, 2007 to March 1, 2007

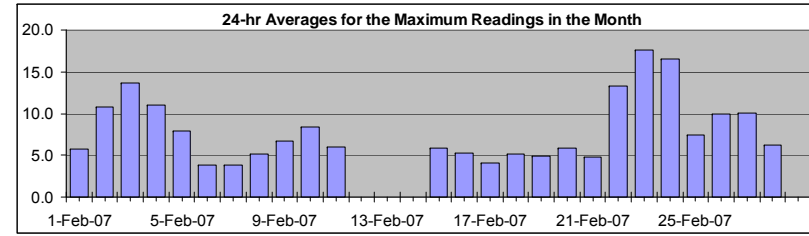
Summary

Maximum 1-hr Average:	47.2	µg/m ³	23-Feb	13:00 14:00
Maximum 24-hr Value:	17.6	µg/m ³	23-Feb	

AIC Time:	0 hrs	Operational Time:	624 hrs						
Calibration Time:	1 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	32.7	17.8	10.2	6.2	4.6	2.3	1.2	8.0	6 µg/m ³
									7.2 µg/m ³

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum		
1-Feb-07	2	6	3	3	3	2	1	1	1	1	3	4	6	3	2	17	12	11	8	8	7	15	8	11	5.8	16.8		
2-Feb-07	7	10	9	7	6	8	23	21	13	19	33	21	4	1	1	4	5	9	5	6	13	10	10	13	10.7	32.5		
3-Feb-07	14	10	18	12	9	11	12	17	11	33	23	12	10	5	18	9	18	12	12	16	11	13	12	10	13.7	32.8		
4-Feb-07	10	14	17	12	13	13	14	14	11	12	12	11	10	8	7	7	11	10	10	9	9	9	11	11	11.0	17.4		
5-Feb-07	12	9	10	8	10	8	8	9	6	5	6	8	10	11	9	8	8	9	7	6	5	5	5	4	7.9	12.4		
6-Feb-07	5	5	3	4	4	5	3	4	5	5	4	5	5	3	4	4	4	3	3	3	2	3	3	3	3.8	5.1		
7-Feb-07	3	3	3	3	2	3	4	5	5	4	5	4	3	4	3	2	3	4	4	4	4	5	4	5	3.8	5.1		
8-Feb-07	5	5	6	6	6	5	6	5	5	5	5	5	5	5	5	6	6	6	5	5	4	5	5	5	5.2	6.3		
9-Feb-07	4	5	6	5	6	5	5	5	10	30	12	4	4	8	4	4	5	4	6	5	5	5	6	6	6.6	30.2		
10-Feb-07	7	5	6	8	6	6	7	8	8	11	16	13	5	5	7	13	10	9	7	8	8	9	9	9	8.4	16.2		
11-Feb-07	9	8	9	8	9	9	10	8	6	5	6	5	4	5	4	4	5	4	4	5	5	5	5	5	6.0	9.9		
12-Feb-07	4	4	4	4	4	5	6	10	13	14	10	4	5	4	5	N	N	N	N	N	N	N	N	N	N	14.3		
13-Feb-07	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	0.0	
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	16	14	C	19	23	6	20	12	2	2	N	23.1		
15-Feb-07	3	7	2	2	2	1	1	2	2	3	2	2	4	11	10	12	7	8	8	10	11	8	8	14	5.9	14.3		
16-Feb-07	4	6	8	5	5	6	6	4	6	6	6	6	7	5	7	7	8	3	4	2	7	6	2	2	5.3	8.4		
17-Feb-07	3	2	3	4	4	7	6	5	2	2	3	3	2	2	5	2	2	5	5	8	8	6	5	4	4.0	7.8		
18-Feb-07	10	12	5	3	1	2	5	6	7	6	5	4	4	5	5	4	6	4	5	5	5	4	4	7	5.2	12.4		
19-Feb-07	7	4	5	4	4	6	6	6	6	6	5	3	2	4	3	3	5	5	5	4	4	4	8	10	4.9	10.0		
20-Feb-07	11	8	6	6	8	6	7	5	5	4	5	5	4	5	6	8	7	5	5	5	6	5	5	4	5.9	11.5		
21-Feb-07	4	5	4	5	5	4	4	4	5	5	4	4	5	4	5	6	5	4	4	5	7	7	5	4	4.8	7.3		
22-Feb-07	6	7	8	8	11	10	14	15	20	26	14	15	18	19	16	14	14	15	16	10	10	10	14	10	13.3	25.7		
23-Feb-07	10	9	11	11	10	12	10	11	11	23	11	11	43	47	34	16	15	14	16	27	29	12	13	15	17.6	47.2		
24-Feb-07	13	16	15	13	19	18	24	25	27	32	42	39	34	30	11	8	7	9	5	3	3	2	3	4	16.6	41.8		
25-Feb-07	4	5	5	5	9	7	7	9	9	9	6	6	5	5	6	5	8	8	9	10	9	11	11	9	7.5	10.9		
26-Feb-07	8	8	8	8	8	7	9	9	9	11	10	9	9	12	11	10	11	11	11	10	12	11	14	13	9.9	14.0		
27-Feb-07	14	13	12	10	11	12	12	12	11	13	13	10	9	9	9	8	10	10	11	11	7	5	6	5	10.0	14.0		
28-Feb-07	4	5	5	4	5	7	6	3	5	5	5	6	7	7	8	7	6	7	8	8	9	10	8	9	6.3	10.1		
Hourly Avg	7.1	7.3	7.4	6.4	6.9	7.1	8.3	8.5	8.4	11.4	10.1	8.5	8.6	8.7	8.1	7.8	8.0	8.0	8.0	7.6	8.4	7.7	7.1	7.5				
Hourly Max	14.1	15.5	17.8	12.8	18.7	17.8	24.0	25.3	27.0	32.8	41.8	39.1	43.1	47.2	34.1	16.8	17.8	18.9	23.1	26.8	29.4	14.5	14.0	14.7				



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

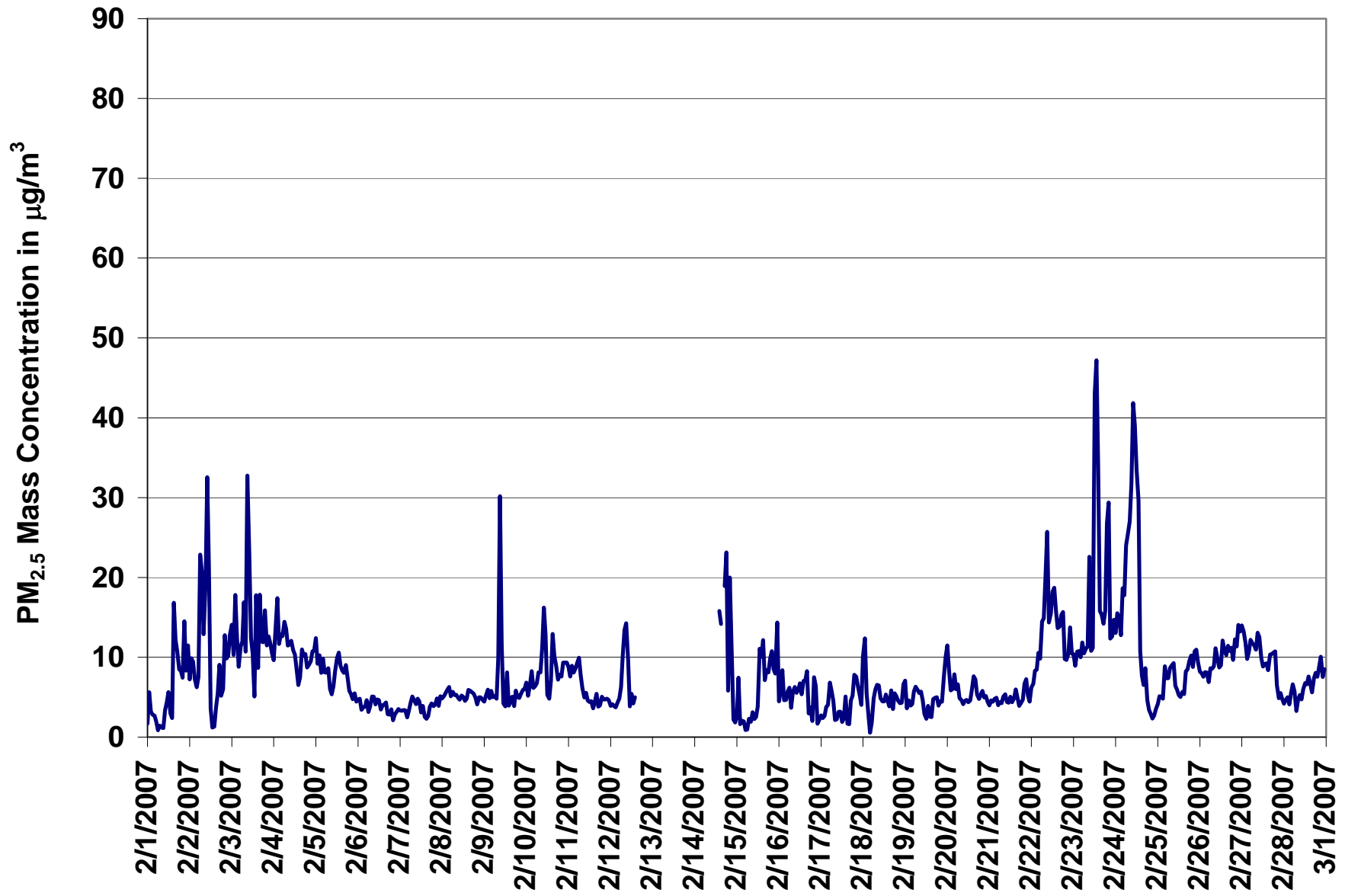
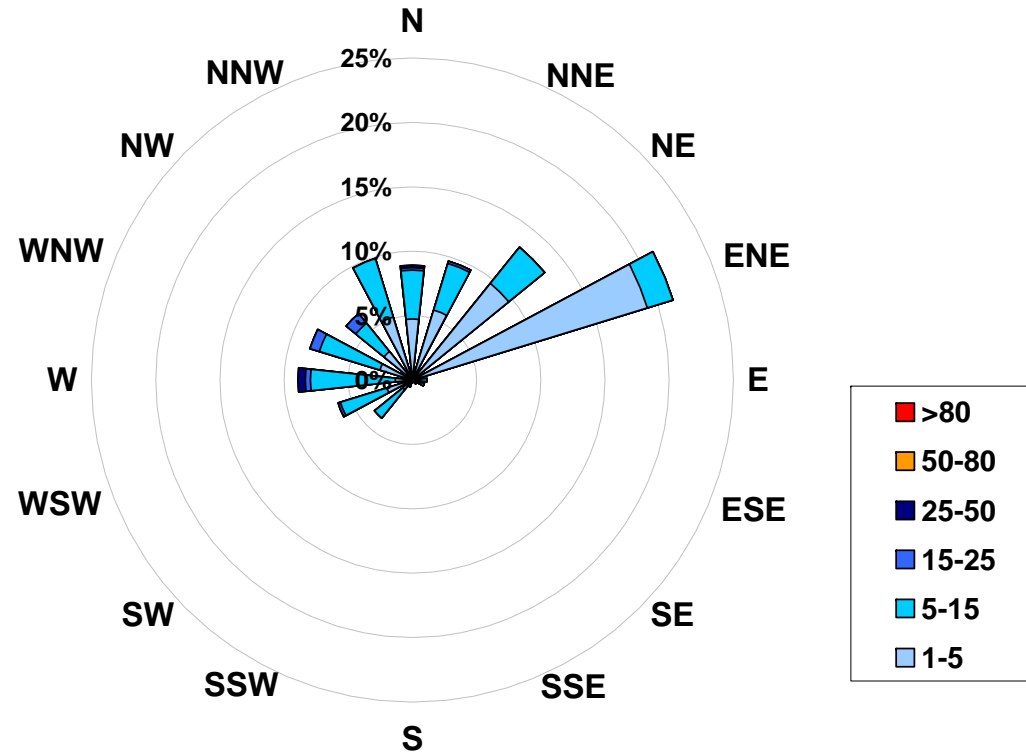


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



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

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	< 5	389	
5	to 15	217	
15	to 25	14	
25	to 50	4	
50	to 80	0	
	> 80	0	
Total Non-Zero Values			624

PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

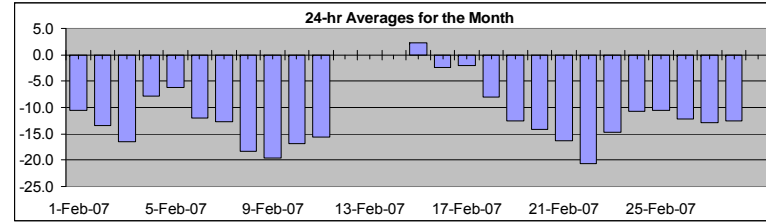
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	4.8 °C	15-Feb	12:00 13:00
Maximum 24-hr Value:	2.2 °C	15-Feb	



AIC Time:	0 hrs	Operational Time:	625 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	93.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.4	0.5	-8.3	-12.5	-16.6	-21.4	-26.4	-12.0 °C	-12.5 °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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00				
1-Feb-07	-4	-6	-9	-10	-11	-12	-13	-13	-13	-14	-12	-10	-9	-7	-5	-5	-7	-11	-13	-15	-13	-12	-12	-14	-10.5	-4.0		
2-Feb-07	-15	-14	-14	-14	-15	-16	-17	-17	-17	-17	-13	-8	-7	-6	-6	-8	-8	-10	-13	-15	-17	-18	-19	-20	-13.5	-5.7		
3-Feb-07	-20	-21	-21	-21	-22	-22	-23	-23	-23	-22	-18	-6	-13	-11	-9	-10	-11	-13	-14	-14	-13	-13	-12	-12	-16.5	-9.4		
4-Feb-07	-11	-11	-10	-10	-11	-11	-11	-10	-10	-9	-8	-6	-3	-4	-5	-5	-6	-7	-7	-7	-7	-7	-7	-7	-7.9	-3.5		
5-Feb-07	-6	-6	-5	-5	-4	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-7	-7	-7	-8	-8	-9	-9	-9	-10	-6.3	-4.4		
6-Feb-07	-10	-11	-12	-12	-12	-12	-13	-13	-13	-13	-13	-12	-12	-12	-11	-11	-11	-11	-12	-12	-12	-12	-12	-12	-11.9	-9.8		
7-Feb-07	-12	-12	-12	-12	-12	-13	-13	-13	-13	-13	-12	-12	-11	-11	-11	-11	-12	-13	-13	-14	-14	-15	-15	-15	-12.8	-10.8		
8-Feb-07	-16	-16	-17	-17	-18	-18	-18	-19	-19	-19	-19	-18	-19	-18	-18	-18	-18	-19	-19	-19	-19	-19	-19	-20	-18.3	-15.6		
9-Feb-07	-20	-20	-20	-20	-21	-21	-22	-23	-24	-22	-20	-19	-19	-19	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-19.6	-17.9		
10-Feb-07	-18	-18	-18	-18	-19	-19	-20	-21	-22	-21	-18	-16	-15	-14	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-16.9	-14.2		
11-Feb-07	-15	-15	-15	-15	-15	-16	-16	-16	-16	-16	-15	-15	-15	-14	-14	-15	-15	-16	-17	-17	-17	-17	-17	-17	-15.6	-14.4		
12-Feb-07	-18	-19	-20	-22	-24	-25	-26	-27	-28	-25	-22	-20	-19	-18	-18	N	N	N	N	N	N	N	N	N	N	-17.7		
13-Feb-07	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	0.0	
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	-8	-8	-7	-7	-4	0	1	2	2	2	N	2.1	
15-Feb-07	2	2	3	3	3	2	0	1	2	2	3	4	5	5	4	4	4	2	1	0	0	0	0	0	2.2	4.8		
16-Feb-07	0	0	-2	-3	-4	-5	-5	-6	-7	-7	-6	-4	-4	-3	-3	-3	0	2	2	1	-1	0	0	-2	-2.5	2.0		
17-Feb-07	-3	-4	-4	-4	-4	-3	-3	-2	-2	-1	1	1	2	2	2	1	1	-2	-3	-3	-4	-5	-5	-6	-2.0	2.4		
18-Feb-07	-7	-4	-2	-1	-2	-4	-3	-3	-10	-10	-11	-12	-11	-9	-9	-8	-10	-11	-11	-11	-11	-11	-12	-11	-8.0	-1.1		
19-Feb-07	-11	-12	-13	-15	-17	-18	-19	-20	-19	-17	-14	-12	-12	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-10	-12.5	-8.7		
20-Feb-07	-9	-9	-11	-12	-13	-14	-15	-16	-17	-17	-17	-16	-15	-15	-14	-13	-13	-14	-14	-15	-15	-15	-15	-15	-14.1	-9.0		
21-Feb-07	-15	-15	-15	-16	-16	-17	-17	-17	-18	-17	-16	-14	-13	-13	-12	-12	-13	-13	-15	-16	-18	-20	-21	-22	-16.3	-12.3		
22-Feb-07	-23	-24	-25	-26	-26	-27	-27	-28	-28	-23	-20	-18	-17	-16	-15	-15	-16	-17	-17	-18	-18	-18	-17	-17	-20.7	-15.0		
23-Feb-07	-18	-21	-22	-19	-18	-19	-18	-17	-18	-16	-14	-12	-10	-9	-9	-9	-10	-10	-12	-14	-13	-14	-16	-16	-14.7	-8.9		
24-Feb-07	-17	-19	-20	-21	-21	-21	-21	-19	-17	-15	-12	-8	-4	-4	-4	-1	-1	-3	-6	-6	-4	-5	-5	-6	-10.7	-0.5		
25-Feb-07	-8	-9	-11	-12	-12	-12	-12	-12	-11	-11	-10	-9	-9	-9	-8	-9	-9	-9	-10	-11	-12	-13	-12	-12	-10.5	-7.6		
26-Feb-07	-12	-12	-12	-13	-13	-13	-13	-13	-13	-12	-10	-9	-8	-8	-8	-8	-8	-9	-11	-14	-16	-17	-19	-20	-12.1	-8.0		
27-Feb-07	-20	-21	-20	-21	-20	-18	-16	-15	-14	-13	-11	-9	-9	-8	-8	-7	-8	-8	-9	-10	-10	-11	-11	-11	-12.8	-7.3		
28-Feb-07	-12	-13	-12	-13	-15	-15	-14	-14	-14	-14	-13	-12	-11	-10	-10	-10	-10	-10	-13	-14	-14	-13	-13	-14	-12.5	-9.7		
Hourly Avg	-12.2	-12.6	-13.0	-13.4	-13.9	-14.4	-14.5	-14.7	-14.9	-14.1	-12.5	-11.1	-10.1	-9.5	-9.1	-8.9	-9.1	-10.0	-10.8	-11.4	-11.6	-11.7	-11.9	-12.2				
Hourly Max	2.1	2.3	2.6	3.2	3.0	2.3	0.3	1.0	1.7	1.9	3.4	4.0	4.8	4.7	4.4	4.1	3.8	2.2	1.8	1.0	1.0	2.1	2.0	1.8				

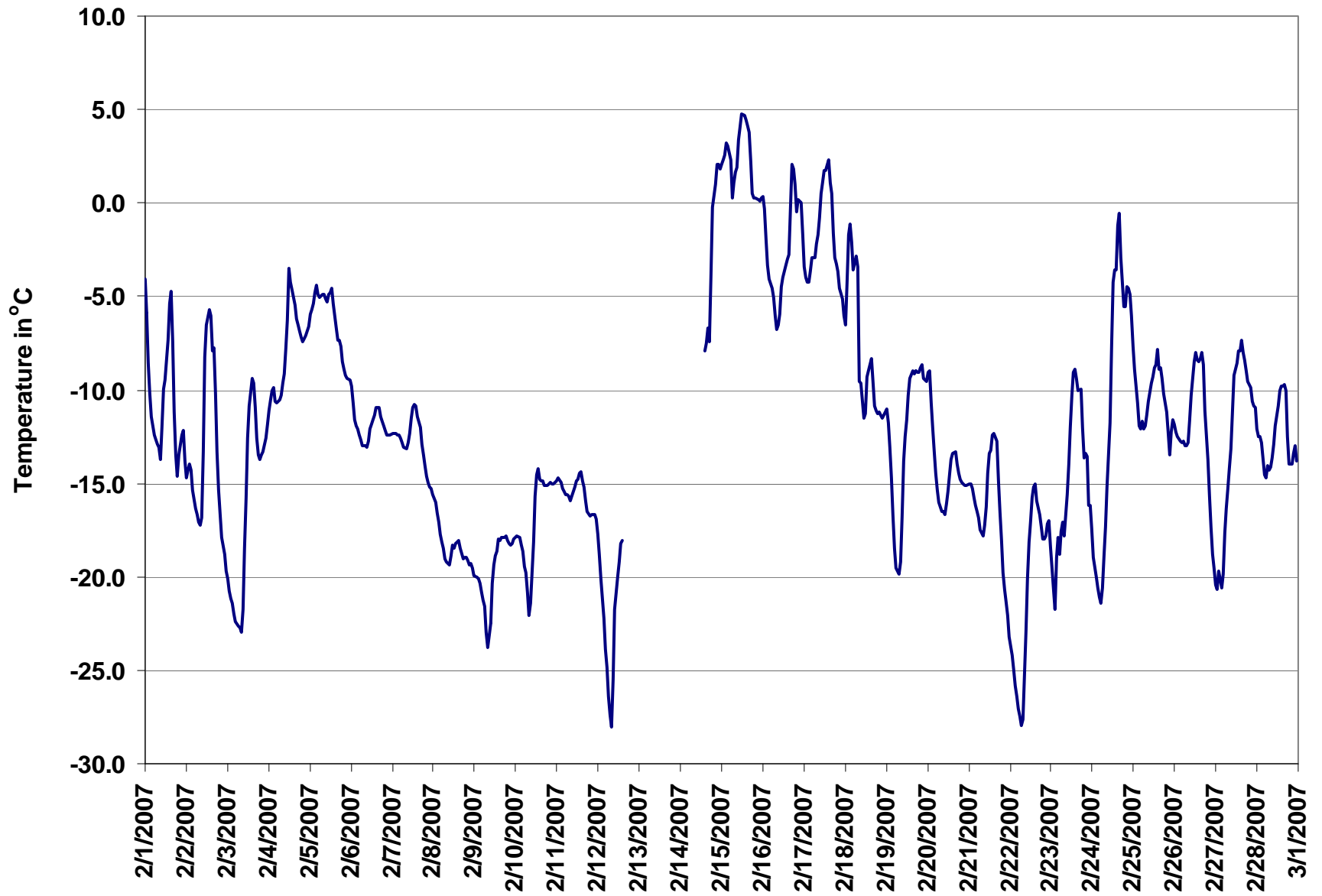


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

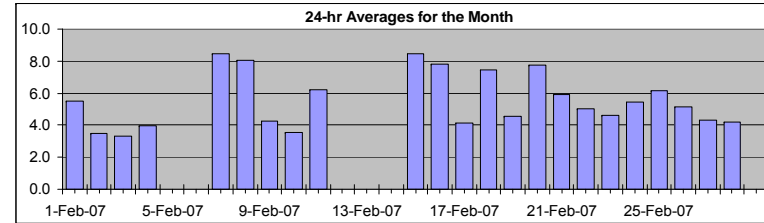
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	21.8	km/hr	14-Feb	21:00 22:00
Maximum 24-hr Value:	8.5	km/hr	7-Feb	

Calm Time:	0 hrs	0% calms	Operational Time:	591 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	87.9%				
Percentile	99	95	75	50	25	5	1	AverageS
	18.3	11.6	6.9	4.9	3.5	2.5	2.0	5.6 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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00			23:00 0:00
1-Feb-07	13	14	13	12	7	4	3	3	2	3	4	5	6	5	4	4	4	5	4	3	4	4	3	4	5.5	13.5	
2-Feb-07	5	3	3	2	3	3	3	3	3	3	3	4	5	6	6	4	4	4	3	3	3	3	3	3	3.5	6.0	
3-Feb-07	3	3	3	3	3	3	4	4	3	3	4	5	4	5	5	4	4	3	3	3	3	3	3	3	3.3	5.1	
4-Feb-07	3	3	3	3	3	3	4	5	4	4	3	4	4	5	6	6	7	4	4	5	5	3	3	3	4.0	6.5	
5-Feb-07	4	4	5	4	5	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	5.5	
6-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6	5	5	6	7	6	6	5	N	6.6	
7-Feb-07	6	8	7	7	8	7	8	7	7	8	9	8	10	10	10	10	10	10	8	10	9	9	8	9	8.5	10.4	
8-Feb-07	9	9	9	9	9	10	7	7	8	9	10	10	10	9	8	9	8	7	6	7	6	6	5	5	8.1	10.2	
9-Feb-07	6	6	4	4	5	3	2	3	2	2	4	6	5	6	5	5	4	3	4	4	4	5	5	4	4.3	5.9	
10-Feb-07	3	4	3	4	4	2	2	3	2	2	2	3	5	5	5	4	5	4	4	4	4	4	3	4	3.6	5.3	
11-Feb-07	4	5	5	5	5	4	3	5	5	5	7	7	9	8	8	9	6	7	7	6	7	7	7	7	6.2	9.2	
12-Feb-07	8	8	6	3	4	2	2	2	2	3	5	6	7	7	7	N	N	N	N	N	N	N	N	N	N	8.5	
13-Feb-07	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	0.0
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	5	5	6	10	15	17	18	22	17	16	N	21.8	
15-Feb-07	19	19	17	21	17	16	6	15	13	9	4	3	3	4	3	4	4	5	4	3	3	3	4	5	8.4	21.0	
16-Feb-07	5	8	10	8	5	6	5	5	4	5	4	3	4	4	5	4	8	21	19	14	12	14	10	5	7.8	20.9	
17-Feb-07	4	3	3	3	4	5	5	4	5	5	5	5	4	5	4	5	5	4	3	3	4	3	3	3	4.2	5.5	
18-Feb-07	4	8	11	13	7	4	12	12	15	13	12	11	8	6	6	4	5	5	4	4	3	4	3	3	7.4	15.3	
19-Feb-07	5	4	4	3	3	3	3	3	3	5	5	5	8	7	7	6	6	6	4	3	5	4	5	4	4.5	8.0	
20-Feb-07	7	12	10	11	9	8	9	10	11	13	11	10	8	7	6	5	6	6	5	4	5	5	5	5	7.7	12.9	
21-Feb-07	6	6	6	6	5	5	5	6	7	6	7	7	7	7	8	7	7	7	6	3	3	5	6	4	5.9	7.7	
22-Feb-07	2	2	3	2	3	2	2	2	2	3	5	6	8	8	8	7	8	9	7	7	6	5	7	7	5.1	9.4	
23-Feb-07	4	4	4	6	6	2	4	4	4	6	7	6	5	6	6	5	4	5	5	4	4	3	3	3	4.6	7.0	
24-Feb-07	3	3	2	3	3	4	3	3	3	3	4	4	4	6	6	7	8	6	6	9	11	10	10	10	5.4	10.8	
25-Feb-07	9	9	8	8	9	5	3	3	3	4	7	8	8	8	9	7	7	7	5	4	4	3	4	6	6.1	9.4	
26-Feb-07	5	6	7	7	4	4	4	4	4	3	4	5	7	8	9	9	9	6	4	5	3	3	3	2	5.1	9.2	
27-Feb-07	3	3	3	3	3	4	4	6	5	5	5	6	6	6	6	6	5	4	4	3	4	4	4	3	4.3	6.1	
28-Feb-07	3	3	3	3	2	3	3	4	5	5	6	6	6	6	6	6	6	4	3	3	3	3	3	3	4.2	7.8	
1-hr Average	5.7	6.2	6.1	6.2	5.4	4.5	4.4	5.1	5.1	5.3	5.6	6.0	6.4	6.4	6.3	5.9	6.0	6.3	5.8	5.5	5.6	5.6	5.3	5.0			
Hourly Max	19.0	18.5	16.7	21.0	17.3	15.8	12.5	15.3	15.3	13.3	11.8	11.1	10.2	10.4	10.3	9.8	9.8	20.9	18.6	17.0	18.3	21.8	16.5	16.0			

PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

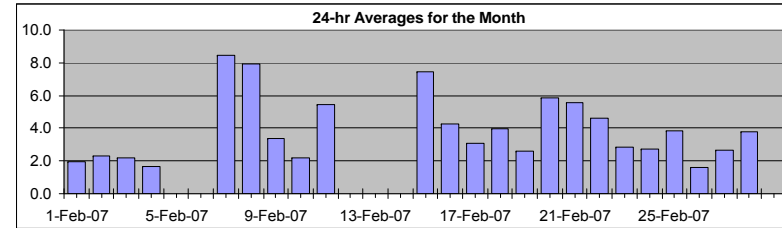
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	21.7	km/hr	14-Feb	21:00 22:00
Maximum 24-hr Value:	8.4	km/hr	7-Feb	



Calm Time:	3 hrs	0% calms	Operational Time:	588 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	87.9%				
Percentile	99	95	75	50	25	5	1	AverageV
	18.2	11.2	6.6	4.5	2.9	1.4	1.0	2.2 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	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-Feb-07	12	13	13	11	6	4	2	2	1	1	3	5	6	4	3	4	4	3	2	4	2	3	2	2	2.0	13.0	
2-Feb-07	1	1	1	1	2	2	3	1	2	2	2	4	5	6	5	4	4	3	2	1	2	2	2	2	2.3	5.7	
3-Feb-07	2	2	3	2	1	2	1	2	calm	2	3	5	3	5	4	4	3	2	1	2	2	2	calm	1	2.2	5.0	
4-Feb-07	1	1	3	1	2	2	2	5	2	3	1	3	2	4	6	6	6	4	3	4	5	2	2	2	1.7	6.0	
5-Feb-07	4	3	4	2	5	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4.6	
6-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6	5	5	6	6	5	5	5	N	6.5	
7-Feb-07	6	8	7	7	7	7	7	7	7	8	8	8	10	10	10	10	10	9	8	10	9	8	8	8	8.4	10.0	
8-Feb-07	9	9	9	9	8	10	7	7	8	9	10	9	10	9	8	9	7	7	6	7	6	6	5	5	7.9	10.1	
9-Feb-07	6	6	4	4	5	3	2	2	1	2	4	5	5	5	5	5	4	2	4	4	4	4	5	4	3.4	5.7	
10-Feb-07	3	3	3	3	4	2	2	3	1	1	2	3	4	4	5	4	5	4	4	4	4	4	3	3	2.2	4.9	
11-Feb-07	3	5	4	5	5	3	3	5	5	5	7	7	8	8	8	9	6	7	7	6	7	7	7	7	5.5	9.0	
12-Feb-07	8	7	6	2	3	2	2	2	2	2	5	6	6	7	7	N	N	N	N	N	N	N	N	N	N	8.4	
13-Feb-07	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	0.0
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4	4	5	9	15	17	18	22	17	16	N	21.7	
15-Feb-07	19	18	17	21	17	16	5	15	13	7	3	2	1	2	3	1	2	5	4	3	3	3	3	5	7.4	20.9	
16-Feb-07	5	7	10	8	5	6	4	5	3	4	4	3	4	4	5	4	7	21	19	14	11	14	10	2	4.3	20.9	
17-Feb-07	3	2	2	2	2	3	5	4	5	5	5	4	4	5	3	5	5	5	3	2	2	3	2	1	3.0	5.1	
18-Feb-07	3	7	11	13	6	3	11	11	15	13	11	11	8	5	6	3	4	5	4	3	2	4	3	3	4.0	15.1	
19-Feb-07	5	4	4	3	1	2	2	1	2	5	4	3	8	6	6	6	5	5	2	1	3	3	4	3	2.6	7.8	
20-Feb-07	4	12	9	11	8	7	8	9	11	13	11	10	7	6	3	5	6	5	5	4	5	5	5	4	5.9	12.7	
21-Feb-07	5	6	6	6	5	5	5	6	7	6	6	7	6	7	7	7	6	6	6	3	3	5	6	3	5.5	7.1	
22-Feb-07	1	1	2	2	2	1	1	1	2	2	5	6	8	6	8	7	8	9	7	7	6	4	7	6	4.6	9.2	
23-Feb-07	3	4	4	6	5	2	4	4	4	5	7	5	4	5	6	5	4	5	4	3	3	1	1	2	2.8	6.8	
24-Feb-07	2	3	2	2	2	3	2	3	3	2	3	3	3	5	6	6	7	6	6	9	11	10	10	10	2.7	10.7	
25-Feb-07	9	9	8	8	9	4	2	calm	2	3	6	8	7	7	8	7	6	7	5	4	4	3	4	5	3.9	9.3	
26-Feb-07	5	6	6	7	3	3	4	4	4	3	3	4	6	8	9	8	9	6	4	5	3	2	3	2	1.6	9.1	
27-Feb-07	2	3	3	3	3	3	4	6	5	5	5	6	5	6	5	5	5	4	4	3	4	3	3	3	2.7	5.6	
28-Feb-07	3	3	3	2	2	3	3	3	4	5	5	6	5	7	5	5	6	4	3	3	3	3	3	3	3.8	7.3	
1-hr Vector	3.2	8.2	8.1	7.9	5.7	2.7	4.0	5.4	9.8	11.5	9.4	10.6	10.3	12.1	11.4	11.2	9.9	7.7	8.0	4.5	3.2	3.4	2.5	2.2			
Hourly Max	18.9	18.5	16.6	20.9	17.2	15.8	11.2	15.3	15.1	13.0	11.3	10.7	9.9	10.0	9.9	9.6	9.6	20.9	18.5	16.7	18.1	21.7	16.5	15.9			

PASZA - Evergreen Park - Wind Direction Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	625 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	93.0%				
Percentile	99	95	75	50	25	5	1	Average
	357.0	345.7	282.4	90.5	55.8	14.4	2.8	6 deg

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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-hour Average	WD Sector	
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-Feb-07	5	49	62	65	79	74	132	140	99	330	231	277	274	219	250	326	9	332	306	316	310	265	274	102	16	NNE	
2-Feb-07	101	239	43	312	20	51	243	48	13	341	313	42	55	53	34	11	47	33	357	320	302	356	333	358	18	NNE	
3-Feb-07	280	316	258	343	296	255	222	264	329	260	257	255	261	258	285	348	3	348	11	352	40	11	20	283	298	WNW	
4-Feb-07	251	297	354	193	343	314	269	196	98	68	172	151	104	31	62	66	69	56	58	53	48	25	271	6	56	ENE	
5-Feb-07	65	82	82	62	64	50	71	59	50	59	57	39	27	47	49	60	41	98	303	329	342	333	349	35	N	-	
6-Feb-07	53	67	59	58	69	65	55	60	67	66	63	74	66	60	72	61	70	76	67	65	72	65	71	69	N	-	
7-Feb-07	66	68	77	70	71	74	68	70	73	73	71	65	64	64	68	64	63	61	60	60	67	65	61	61	67	ENE	
8-Feb-07	61	61	62	63	60	59	63	67	59	60	55	57	50	61	57	55	50	33	42	37	34	32	31	27	53	NE	
9-Feb-07	36	42	36	25	37	2	6	21	302	318	356	358	2	353	358	354	8	359	288	303	288	297	297	292	351	N	
10-Feb-07	307	303	296	247	239	247	256	236	286	305	322	270	359	2	7	6	20	38	32	18	19	27	22	309	338	NNW	
11-Feb-07	335	350	341	339	341	354	14	44	44	50	56	40	43	60	59	61	68	62	57	61	62	65	61	61	44	NE	
12-Feb-07	61	60	57	20	42	344	225	229	230	69	68	59	58	65	52	N	N	N	N	N	N	N	N	N	N	N	-
13-Feb-07	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	-
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	223	265	281	218	245	243	241	254	254	247	N	-	
15-Feb-07	249	251	254	253	251	252	261	257	254	252	133	30	274	245	228	346	323	222	244	269	322	324	294	266	256	WSW	
16-Feb-07	284	323	331	333	350	345	23	73	66	64	53	36	31	360	354	8	270	259	263	256	230	247	256	239	292	WNW	
17-Feb-07	173	79	87	191	96	134	74	106	90	90	91	84	97	121	95	62	56	34	45	321	241	136	99	109	93	E	
18-Feb-07	289	256	234	235	250	299	224	331	337	332	331	333	327	314	348	341	30	55	67	70	57	50	47	57	318	NW	
19-Feb-07	63	68	33	15	263	34	242	245	328	69	39	12	65	63	54	55	49	65	61	33	76	235	251	277	45	NE	
20-Feb-07	307	332	329	335	310	317	324	327	331	332	330	335	345	283	308	0	58	51	61	64	73	74	75	66	343	NNW	
21-Feb-07	67	58	62	66	68	68	77	73	69	69	66	52	27	9	15	11	48	65	63	44	50	65	69	35	53	NE	
22-Feb-07	297	274	269	254	223	294	285	312	308	294	268	266	274	303	336	327	301	295	277	276	278	273	253	263	285	WNW	
23-Feb-07	256	199	234	245	251	256	232	256	214	261	279	288	312	355	5	13	16	27	335	291	286	232	318	293	287	WNW	
24-Feb-07	258	236	266	349	321	301	292	316	303	263	263	264	276	12	0	46	56	47	50	66	70	70	70	65	31	NNE	
25-Feb-07	63	63	63	61	67	73	299	278	18	343	14	19	27	38	33	26	352	333	301	283	282	273	269	286	18	NNE	
26-Feb-07	272	248	255	269	282	220	214	225	242	254	293	336	35	51	46	50	55	51	35	54	32	346	327	275	349	N	
27-Feb-07	308	297	294	298	286	262	262	264	260	268	264	268	314	349	355	6	356	22	30	26	28	42	52	36	322	NW	
28-Feb-07	3	5	352	341	311	345	23	23	25	22	15	356	6	30	37	40	60	65	37	0	341	5	350	310	15	NNE	
Hourly Avg	292	310	305	319	293	304	313	289	311	327	303	280	295	267	273	273	276	275	263	275	245	202	22	356			

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

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Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	625 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	93.0%			
Percentile	99	95	75	50	25	5	1
	62.3	50.8	25.9	17.5	12.6	7.2	3.9

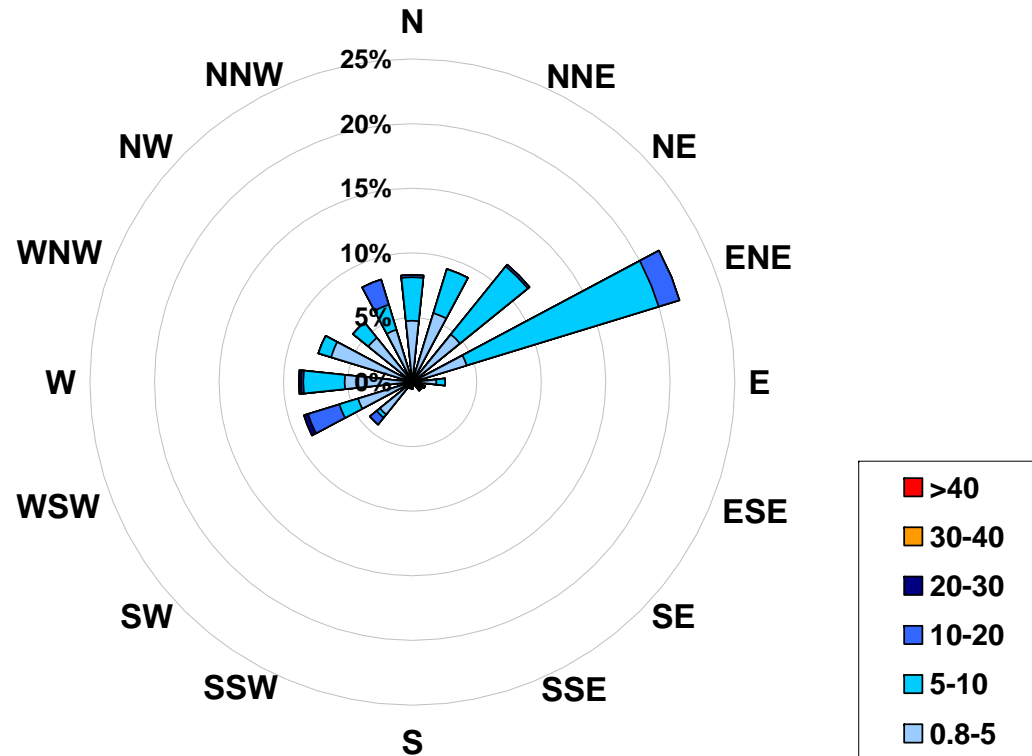
Status Flag Characters

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

Day Mountain Standard Time

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-Feb-07	14	12	12	12	19	29	55	42	52	54	18	14	11	19	24	24	19	20	25	23	15	41	41	56	55.6
2-Feb-07	49	68	49	57	31	52	26	57	28	42	38	25	29	16	17	18	17	19	31	28	45	34	30	27	67.6
3-Feb-07	36	19	17	30	40	26	51	40	40	51	35	9	38	15	19	17	19	43	43	23	30	43	44	58	58.3
4-Feb-07	40	61	32	51	41	33	39	27	71	51	70	44	56	21	17	16	23	29	16	15	16	36	39	37	70.7
5-Feb-07	21	31	36	70	37	29	21	58	49	27	28	24	20	19	26	14	20	52	21	11	10	11	20	23	69.8
6-Feb-07	15	14	15	17	17	17	17	12	17	16	13	20	21	23	19	18	19	16	15	18	14	14	15	15	23.0
7-Feb-07	16	10	12	13	12	15	12	13	12	13	16	17	12	15	14	12	12	13	12	10	11	14	14	11	16.6
8-Feb-07	16	10	10	12	12	9	17	13	15	12	12	13	12	13	13	13	17	11	11	11	12	10	13	13	17.5
9-Feb-07	13	16	14	17	17	24	28	16	26	15	20	21	31	17	20	18	20	35	15	13	17	12	11	16	35.0
10-Feb-07	14	11	15	13	9	29	17	17	14	11	30	27	38	24	18	24	20	18	16	19	20	12	27	20	38.0
11-Feb-07	19	17	18	12	13	18	15	12	14	13	13	15	15	15	16	11	18	14	8	9	12	13	11	12	18.7
12-Feb-07	9	13	17	28	15	16	28	21	14	39	22	15	22	16	23	N	N	N	N	N	N	N	N	N	39.0
13-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0
14-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	33	26	17	12	9	5	4	4	4	5	32.8
15-Feb-07	13	4	5	4	4	4	20	3	4	18	38	42	55	35	36	60	25	32	6	14	12	12	11	10	59.8
16-Feb-07	11	14	11	12	27	12	24	26	37	18	19	41	23	20	15	17	18	4	5	5	7	4	6	30	40.7
17-Feb-07	17	35	44	50	59	38	10	17	13	16	31	32	34	23	52	21	18	19	42	30	32	46	58	35	59.0
18-Feb-07	35	25	7	5	19	22	20	19	10	12	17	15	17	25	19	23	14	11	24	21	57	22	24	50	56.6
19-Feb-07	19	18	13	14	31	46	50	69	52	19	34	27	15	20	15	20	27	32	64	54	63	52	34	31	68.9
20-Feb-07	24	10	11	8	19	13	15	13	10	11	14	17	20	21	24	37	25	14	15	20	21	19	19	19	37.2
21-Feb-07	17	13	12	12	15	19	20	14	11	15	18	15	21	16	23	18	18	12	8	14	14	9	8	19	22.7
22-Feb-07	39	36	17	23	40	46	41	34	25	40	15	26	17	25	15	12	19	10	10	8	12	14	6	6	46.2
23-Feb-07	15	17	14	7	12	23	8	17	11	8	11	33	31	39	18	18	24	25	33	29	32	44	42	22	44.4
24-Feb-07	31	46	19	29	42	22	28	18	36	23	47	13	19	15	19	20	11	11	5	5	7	9	10	7	46.5
25-Feb-07	9	6	5	5	7	23	25	53	59	23	18	17	22	20	21	19	20	14	11	11	13	12	11	11	59.3
26-Feb-07	11	11	8	10	29	17	11	10	11	13	36	24	22	11	10	10	12	11	9	3	8	12	17	19	36.5
27-Feb-07	24	16	13	11	15	12	8	8	8	9	16	17	23	20	20	19	17	22	11	16	10	11	20	14	23.8
28-Feb-07	7	14	14	27	19	19	15	19	15	20	19	19	23	25	29	33	25	25	15	17	12	14	16	15	32.6
Hourly Max	49	68	49	70	59	52	55	69	71	54	70	44	56	39	52	60	27	52	64	54	63	52	58	58	

1-hr Average Wind Rose (in km/hr) Located at the Evergreen Park Site for February 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	< 5		307
5	to 10		237
10	to 20		44
20	to 30		3
30	to 40		0
	> 40		0
Total Non-Zero Values			591

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

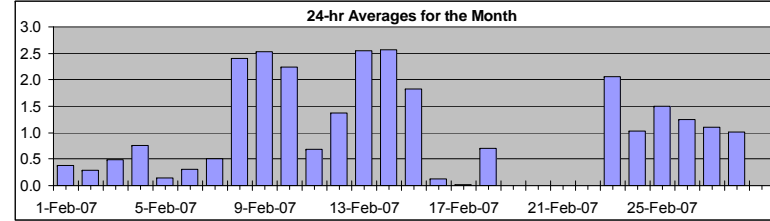
Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 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:	7.9 ppb 14-Feb 19:00 20:00
Maximum 24-hr Average:	2.6 ppb 14-Feb

AIC Time:	29 hrs	Operational Time:	563 hrs						
Calibration Time:	8 hrs	AMD Operational Uptime:	89.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.1	3.7	1.7	0.8	0.1	0.0	0.0	1.2 ppb	0.8 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	1	A	0	1	1	0	1	1	2	0.4	2.0	
2-Feb-07	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0	1	0	0	0	0	0	0	0.3	2.3	
3-Feb-07	0	0	0	0	0	0	0	1	1	0	0	1	1	1	A	2	1	1	1	0	0	0	0	1	0.5	1.6	
4-Feb-07	0	0	0	1	1	0	0	1	1	2	1	2	1	A	1	1	1	1	1	1	0	0	0	1	0.8	2.4	
5-Feb-07	1	0	0	0	0	0	0	1	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.8	
6-Feb-07	0	0	0	0	0	0	0	0	0	0	1	A	1	1	0	0	0	0	1	0	0	1	1	1	0.3	1.3	
7-Feb-07	1	0	0	1	1	0	0	1	1	1	A	0	0	0	1	1	0	2	1	0	1	0	0	0	0.5	1.6	
8-Feb-07	0	0	0	0	0	0	1	2	1	A	2	3	5	3	3	4	4	3	4	5	4	4	3	3	2.4	5.1	
9-Feb-07	4	3	3	3	4	2	1	2	A	2	2	3	2	3	3	3	2	1	4	3	2	1	1	2	2.5	3.7	
10-Feb-07	3	3	2	1	1	2	2	A	2	2	1	2	2	3	4	4	2	1	4	2	3	3	2	1	2.2	3.7	
11-Feb-07	2	3	3	3	2	1	A	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0.7	3.0	
12-Feb-07	0	0	0	0	0	A	0	0	0	0	1	2	2	2	1	2	3	3	3	4	3	3	2	2	1.4	3.5	
13-Feb-07	2	2	1	1	A	4	2	2	4	3	5	4	5	4	4	2	4	1	1	2	2	2	1	2	2.5	4.8	
14-Feb-07	3	2	2	A	2	3	2	2	1	2	4	2	2	1	2	2	4	3	6	8	2	0	3	2	2.6	7.9	
15-Feb-07	1	2	A	4	5	7	7	3	2	3	3	0	0	0	0	0	0	0	1	3	0	0	0	0	1.8	7.4	
16-Feb-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0.1	1.0	
17-Feb-07	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.0	0.5	
18-Feb-07	0	0	0	0	0	0	1	0	0	1	2	0	0	1	1	2	1	2	1	1	1	1	A	1	0.7	1.8	
19-Feb-07	0	1	1	1	1	1	1	1	1	1	C	C	C	C	C	C	C	C	A	N	N	N	N	N	N	1.3	
20-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	
21-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0	
22-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	A	A	0	0	0	N	0.2	
23-Feb-07	0	0	0	0	0	A	1	1	1	2	1	1	1	2	5	4	4	3	5	5	2	3	1	1	2.1	5.4	
24-Feb-07	1	1	1	1	A	2	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.0	
25-Feb-07	1	1	1	A	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2	1.5	3.1	
26-Feb-07	1	1	A	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.0	
27-Feb-07	1	A	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1.1	2.0	
28-Feb-07	A	0	0	0	0	0	1	1	0	1	1	1	2	2	2	2	1	1	1	1	1	1	1	A	1.0	2.1	
Hourly Avg	1.0	1.0	0.8	0.9	0.9	1.1	1.1	1.0	0.9	1.0	1.4	1.2	1.2	1.2	1.3	1.4	1.5	1.2	1.7	1.8	1.1	1.1	0.9	1.0			
Hourly Max	3.7	3.3	3.0	3.7	4.7	6.8	7.4	3.5	3.5	3.0	4.5	3.7	4.9	3.7	4.7	4.4	4.3	3.4	5.6	7.9	3.8	4.0	2.9	3.1			

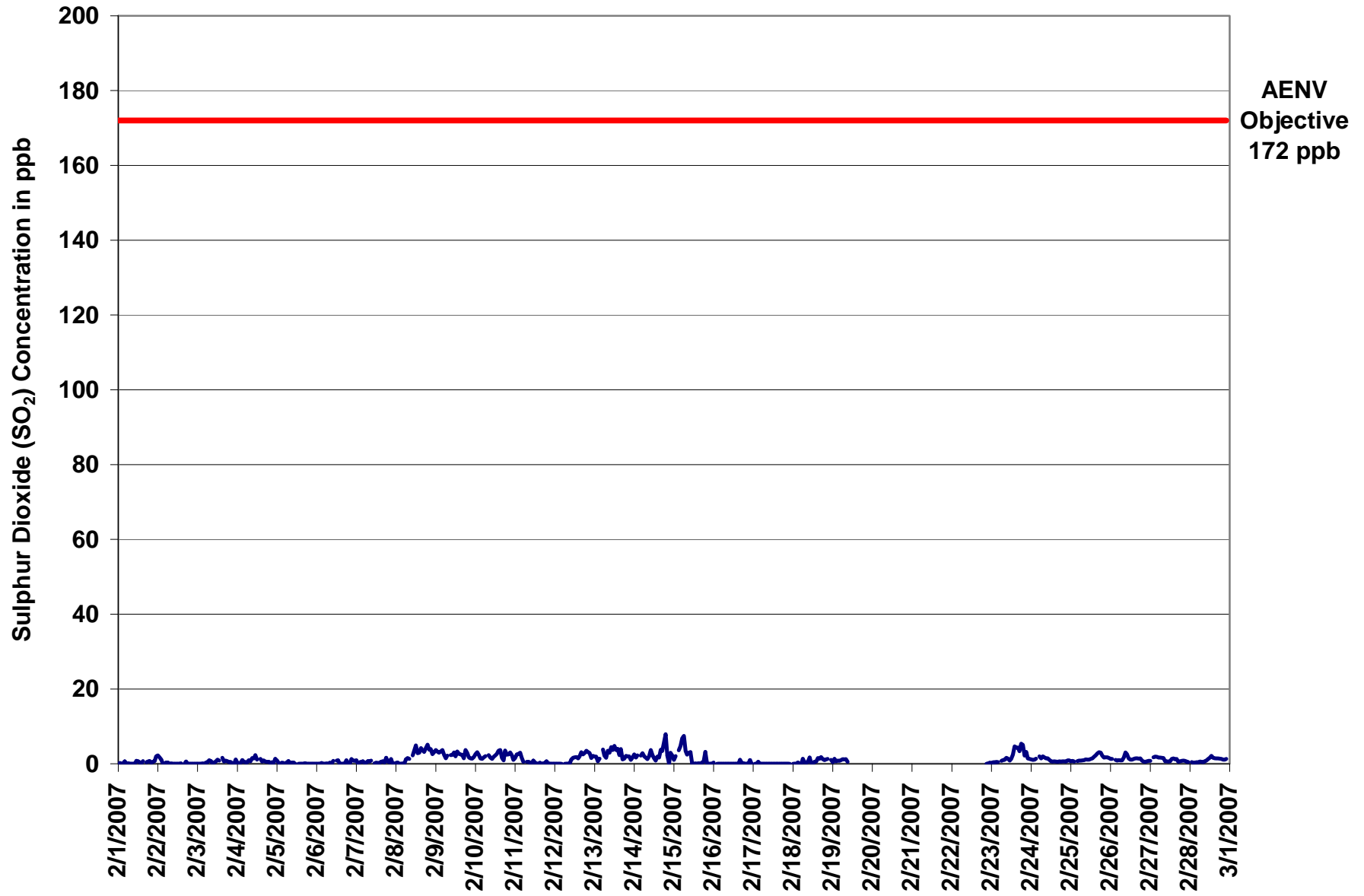


Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

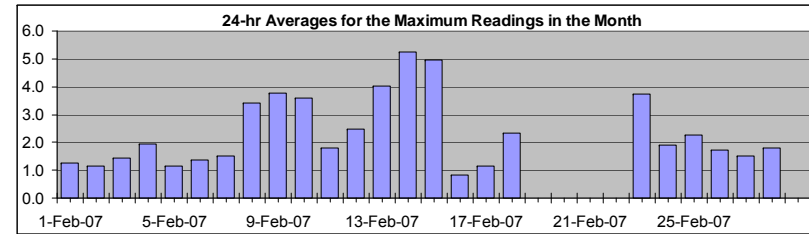
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	24.1	ppb	15-Feb	5:00 6:00
Maximum 24-hr Value:	5.2	ppb	14-Feb	



AIC Time:	29 hrs	Operational Time:	563 hrs						
Calibration Time:	8 hrs	AMD Operational Uptime:	89.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	11.3	5.8	2.9	1.7	1.1	0.3	0.0	2.3 ppb	1.7 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-Feb-07	0	1	0	1	2	1	1	0	1	1	1	1	2	1	1	2	A	1	2	3	2	2	2	3	1.3	2.9	
2-Feb-07	3	3	2	1	3	2	1	1	1	0	0	1	1	1	1	A	1	2	0	0	1	0	0	1	1.2	3.5	
3-Feb-07	1	0	0	2	1	1	1	2	2	1	1	2	2	2	A	2	2	3	2	2	1	1	1	3	1.4	2.9	
4-Feb-07	1	1	1	2	2	1	2	3	2	4	2	5	3	A	2	1	1	1	1	1	1	1	2	3	1.9	5.0	
5-Feb-07	2	1	0	2	1	1	1	2	2	1	2	1	A	1	1	0	1	2	2	1	1	1	1	0	1.1	1.7	
6-Feb-07	0	1	1	1	1	2	1	1	2	1	2	A	2	2	1	2	1	1	2	1	1	2	2	2	1.4	2.4	
7-Feb-07	2	1	1	1	2	1	1	1	1	2	A	1	1	2	1	1	2	2	4	2	1	2	1	1	1.5	4.0	
8-Feb-07	1	1	1	1	1	1	2	2	2	A	3	5	6	4	4	5	5	4	6	6	4	5	4	5	3.4	6.2	
9-Feb-07	4	4	4	5	5	4	3	3	A	4	4	4	3	5	4	4	3	3	6	4	3	3	2	3	3.8	5.9	
10-Feb-07	5	6	4	3	2	2	3	A	3	3	2	3	3	4	5	6	2	2	6	4	4	5	3	2	3.6	6.1	
11-Feb-07	3	4	4	5	2	2	A	2	2	1	1	3	1	2	1	1	0	1	1	2	1	1	2	1	1.8	4.9	
12-Feb-07	0	1	0	1	0	A	1	0	1	2	2	3	3	4	2	4	4	3	4	5	4	4	3	4	2.5	4.5	
13-Feb-07	3	3	2	3	A	5	4	4	4	4	6	5	6	5	6	5	6	3	3	3	4	3	3	3	4.0	5.9	
14-Feb-07	5	3	3	A	4	4	4	3	2	3	12	8	3	2	3	3	13	5	10	12	6	2	8	6	5.2	12.8	
15-Feb-07	5	5	A	8	8	24	11	7	7	10	10	1	0	2	1	1	1	2	2	6	1	1	0	1	5.0	24.1	
16-Feb-07	2	A	0	1	0	0	0	0	0	0	0	0	0	1	0	1	2	2	1	0	2	2	3	1	0.8	3.5	
17-Feb-07	A	2	1	2	2	2	0	0	2	1	1	1	1	2	0	0	1	0	2	2	0	1	1	A	1.2	2.4	
18-Feb-07	1	1	1	2	0	3	8	3	1	3	3	1	2	2	2	3	2	3	4	2	2	3	A	2	2.3	7.6	
19-Feb-07	3	3	2	2	2	2	3	2	3	2	C	C	C	C	C	C	C	C	A	N	N	N	N	N	N	N	3.3
20-Feb-07	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	0.0
21-Feb-07	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	0.0
22-Feb-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	A	A	0	0	1	N	0.6	
23-Feb-07	0	1	1	1	1	A	1	1	1	3	3	1	2	4	7	6	13	4	11	13	3	6	2	2	3.7	13.4	
24-Feb-07	2	1	1	2	A	3	3	3	2	11	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.9	11.0	
25-Feb-07	1	10	1	A	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	2	2	2	2	2.2	10.1	
26-Feb-07	2	2	A	1	1	1	1	1	3	4	3	3	1	1	2	2	2	2	2	1	1	1	1	1	1.7	4.4	
27-Feb-07	1	A	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1.5	2.4	
28-Feb-07	A	1	1	1	1	1	10	2	1	1	1	2	2	3	2	2	2	2	2	2	2	1	1	2	A	1.8	10.1
Hourly Avg	2.0	2.4	1.5	2.1	1.9	2.8	2.8	2.0	2.1	2.7	2.7	2.4	2.0	2.4	2.2	2.5	3.1	2.2	3.1	3.2	2.1	2.0	2.1	2.0			
Hourly Max	5.1	10.1	4.4	8.0	7.8	24.1	10.6	7.2	6.9	11.0	11.7	7.9	5.9	5.5	7.3	5.7	13.4	4.8	10.6	12.6	5.6	5.8	8.2	5.8			

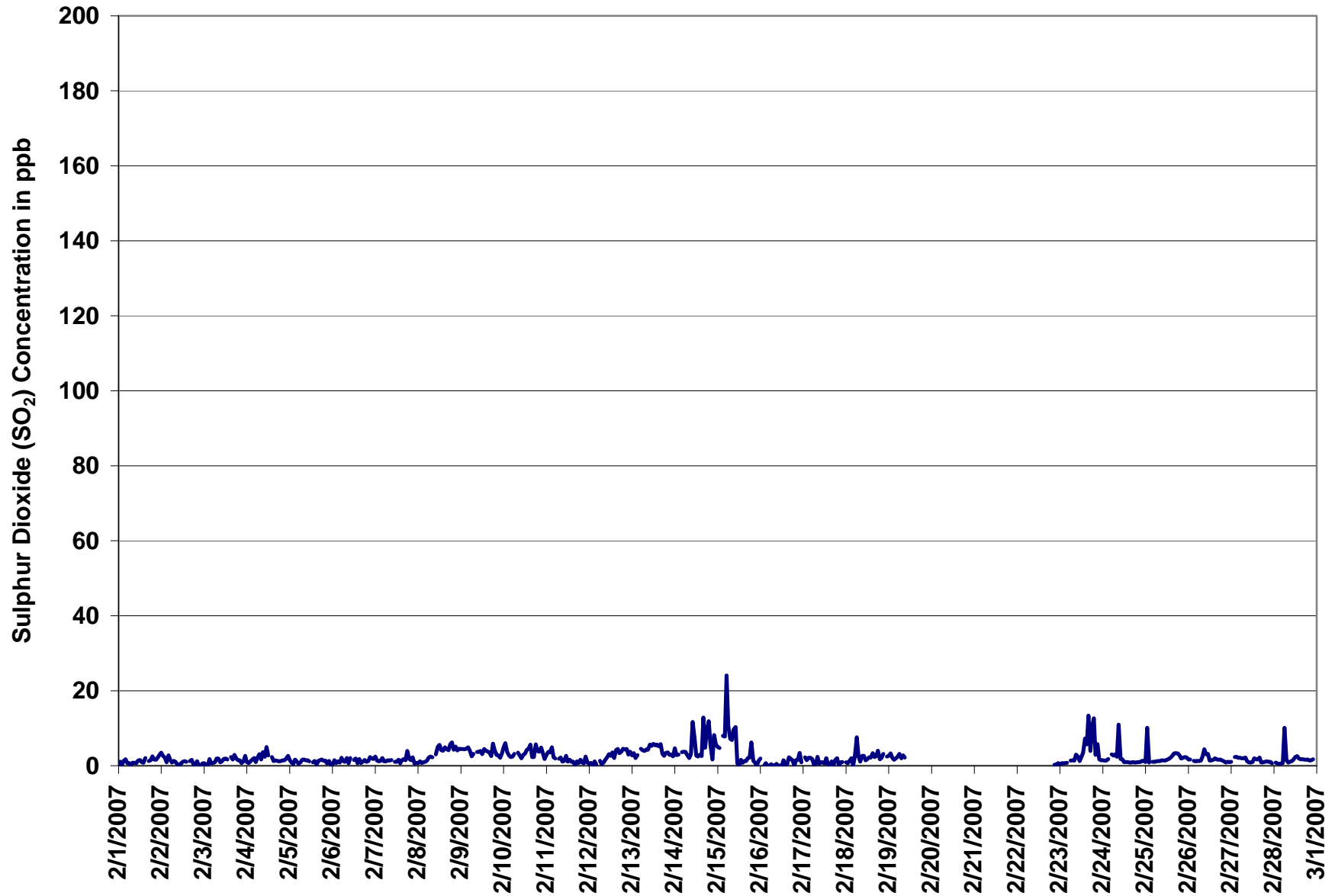
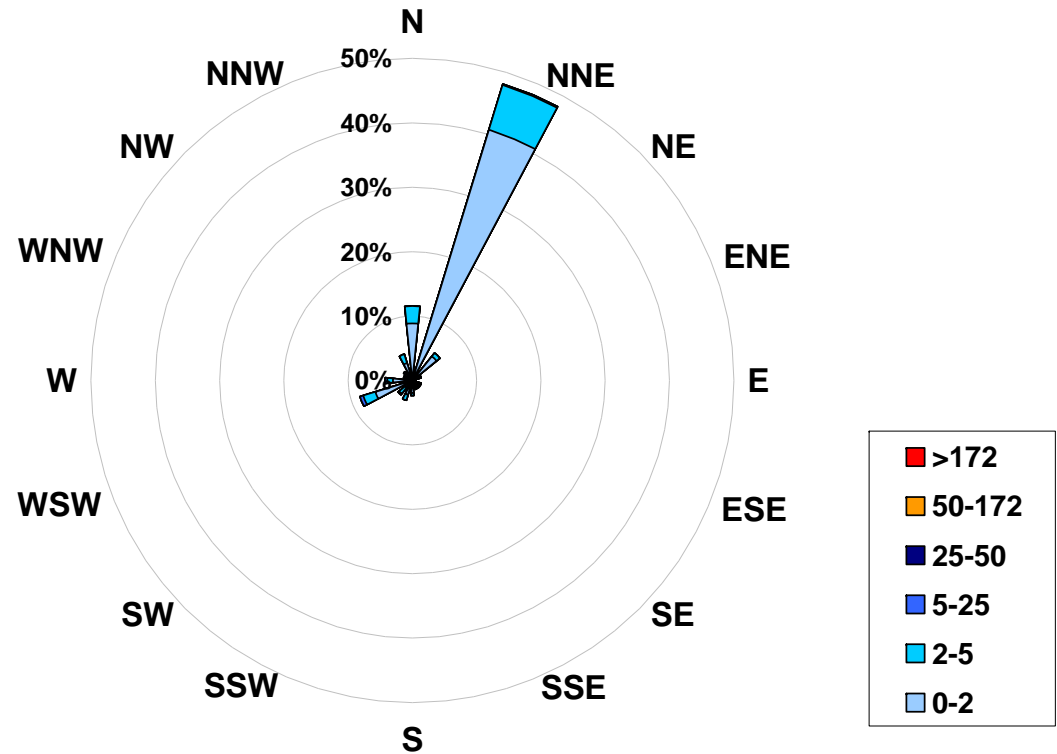


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	< 2		448
2	to 5		108
5	to 25		7
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			563

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

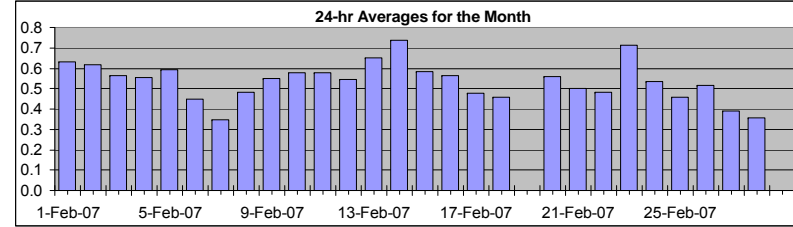
Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	1.3	ppb	14-Feb	17:00 18:00
Maximum 24-hr Value:	0.7	ppb	14-Feb	

AIC Time:	30 hrs	Operational Time:	636 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.8	0.7	0.6	0.5	0.3	0.3		0.5 ppb	0.5 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-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	1	1	0.6	0.8
2-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	1	1	1	1	1	1	1	0	0.6	0.8
3-Feb-07	0	1	1	0	1	0	1	0	0	0	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
4-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0	0	1	1	1	1	1	0.6	0.7
5-Feb-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	1	1	0.6	0.7
6-Feb-07	1	0	0	0	1	0	0	0	0	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
7-Feb-07	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	0	0.3	0.5
8-Feb-07	0	0	0	0	0	0	0	0	1	A	1	0	1	1	1	0	0	1	0	0	0	1	1	1	0	0.5	0.6	
9-Feb-07	0	1	1	1	1	0	1	0	A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0.6	0.7
10-Feb-07	1	1	1	1	1	1	0	1	A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0.6	0.8
11-Feb-07	1	1	1	1	1	1	A	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0.6	1.0
12-Feb-07	0	1	1	1	0	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.7
13-Feb-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	1	0.6	0.8
14-Feb-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.7	1.3
15-Feb-07	0	1	A	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0.6	0.8
16-Feb-07	1	A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	0	0.6	0.8
17-Feb-07	A	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.5	0.6
18-Feb-07	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	1	0	0	0	0	A	1	0.5	0.6	
19-Feb-07	0	1	1	1	0	1	1	0	1	1	1	1	C	C	C	C	C	C	A	1	1	1	1	0	N	0.7	0.7	
20-Feb-07	0	0	0	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.6	0.7	
21-Feb-07	0	0	0	0	A	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0.5	0.8	
22-Feb-07	1	1	0	A	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0.5	0.6	
23-Feb-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	0.7	0.9
24-Feb-07	1	1	1	1	A	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0.5	0.8	
25-Feb-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0.5	0.5	
26-Feb-07	1	1	A	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	0.7	
27-Feb-07	0	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.5	
28-Feb-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		
Hourly Avg	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Hourly Max	0.8	0.8	0.8	0.8	1.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.7	0.7	0.8	1.3	1.1	0.8	0.8	0.9	0.8	0.7	0.8

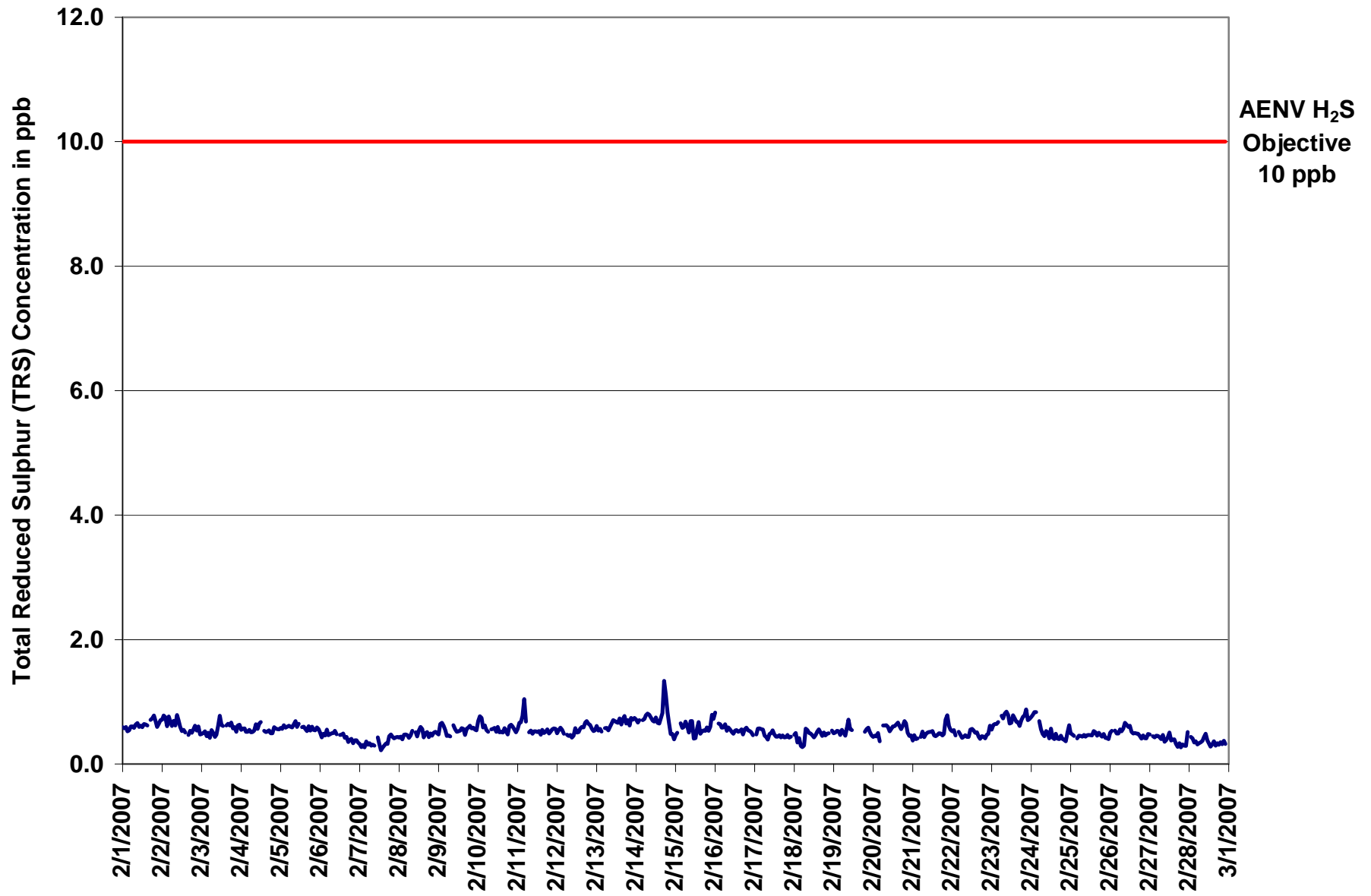


Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

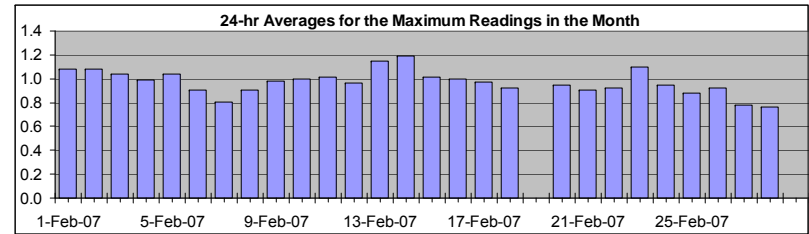
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	1.9	ppb	13-Feb	10:00 11:00
Maximum 24-hr Value:	1.2	ppb	14-Feb	



AIC Time:	30 hrs	Operational Time:	636 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.4	1.2	1.1	1.0	0.9	0.7	0.7	1.0 ppb	1.0 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-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	1	1.1	1.3
2-Feb-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	1	1.1	1.3
3-Feb-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	1	1.0	1.4
4-Feb-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	1	1.0	1.3
5-Feb-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	1	1.0	1.3
6-Feb-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	1	0.9	1.1
7-Feb-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	1	0.8	1.1
8-Feb-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	0.9	1.1
9-Feb-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	1	1.0	1.2
10-Feb-07	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.2
11-Feb-07	1	1	1	1	2	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.7
12-Feb-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	1.0	1.1
13-Feb-07	1	1	1	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.9
14-Feb-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1.2	1.9
15-Feb-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	1	1.0	1.3
16-Feb-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	1	1.0	1.3
17-Feb-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	1	1.0	1.2
18-Feb-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	1	0.9	1.1
19-Feb-07	1	1	1	1	1	1	1	1	1	1	1	C	C	C	C	C	C	A	1	1	1	1	1	1	1	N	1.1
20-Feb-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	0.9	1.2
21-Feb-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	0.9	1.3
22-Feb-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	0.9	1.1
23-Feb-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	1.1	1.3
24-Feb-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	0.9	1.3
25-Feb-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	0.9	1.1
26-Feb-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	1	0.9	1.2
27-Feb-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	1	0.8	1.0
28-Feb-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	1	0.8	1.1
Hourly Avg	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	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	0.9	1.0	1.0		
Hourly Max	1.3	1.3	1.3	1.2	1.7	1.2	1.3	1.2	1.3	1.3	1.9	1.4	1.3	1.3	1.3	1.2	1.4	1.9	1.8	1.3	1.3	1.4	1.3	1.2	1.2		

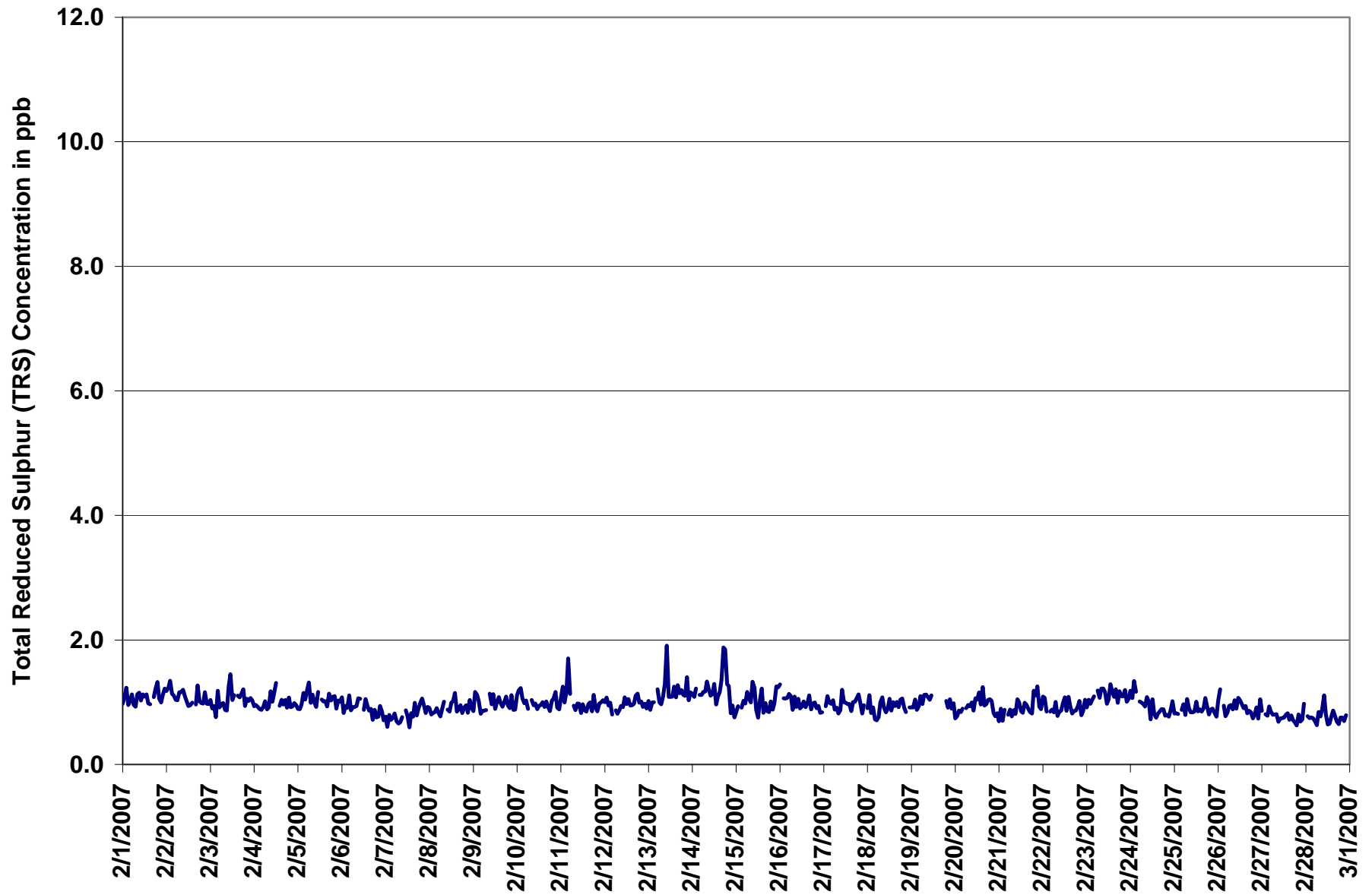
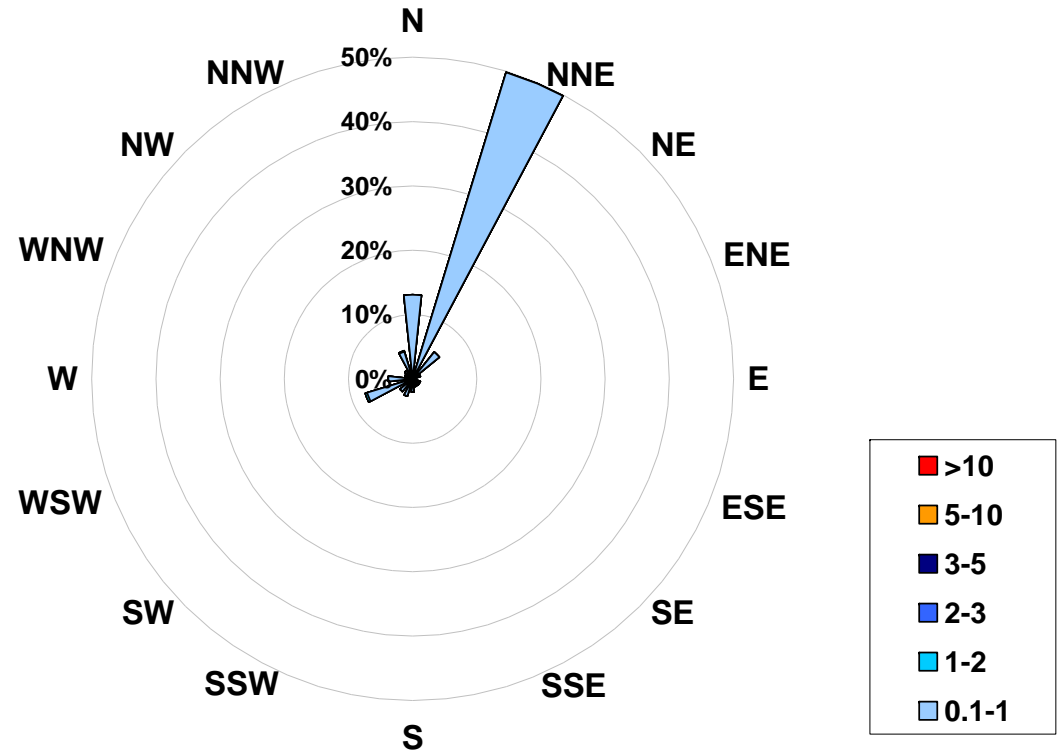


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	< 1		633
1	to 2		3
2	to 3		0
3	to 5		0
5	to 10		0
	> 10		0
Total Non-Zero Values			636

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

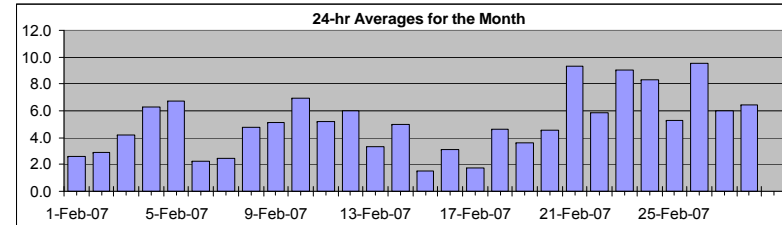
Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Draft Objective Limit: Alberta Environment: 1-hr - $\mu\text{g}/\text{m}^3$ 24-hr 30 $\mu\text{g}/\text{m}^3$
 Summary

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	88.2 $\mu\text{g}/\text{m}^3$ 21-Feb 20:00 21:00
Maximum 24-hr Value:	9.5 $\mu\text{g}/\text{m}^3$ 26-Feb

AIC Time:	0 hrs	Operational Time:	668 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	25.7	15.0	6.8
	50	25	5
	3.4	1.7	0.0
	1	0.0	0.0
	Average / Median		5.1
			3 $\mu\text{g}/\text{m}^3$
			4.6 $\mu\text{g}/\text{m}^3$



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-Feb-07	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	9	4	19	23	2.6	22.7	
2-Feb-07	2	0	0	2	5	3	3	0	10	13	2	1	3	2	2	0	0	15	0	0	5	1	0	0	2.9	14.8	
3-Feb-07	9	0	7	0	0	1	0	2	0	3	3	4	2	1	3	3	5	8	8	8	5	8	16	3	4.2	15.6	
4-Feb-07	6	2	3	0	3	8	2	4	6	7	5	6	7	8	10	12	7	6	7	7	6	5	8	12	6.3	12.3	
5-Feb-07	9	9	10	6	4	5	5	9	11	4	8	7	4	4	5	4	6	24	7	9	4	3	1	5	6.8	23.8	
6-Feb-07	2	2	1	2	2	2	2	2	3	4	2	2	4	8	0	2	2	2	2	6	0	1	1	0	2.3	7.6	
7-Feb-07	1	0	1	1	1	1	1	1	2	2	2	2	1	0	1	2	2	4	3	2	2	3	11	12	2.5	12.4	
8-Feb-07	9	5	8	1	2	2	2	2	12	6	4	6	9	11	10	4	3	2	3	3	2	3	2	3	4.7	12.2	
9-Feb-07	6	24	15	2	3	0	1	2	14	5	1	2	5	3	1	0	3	7	15	4	3	2	1	2	5.2	24.5	
10-Feb-07	26	26	14	3	3	1	2	1	1	2	2	3	3	10	4	5	14	2	2	5	4	23	8	0	6.9	25.8	
11-Feb-07	2	3	4	5	6	5	2	2	3	4	3	4	21	29	0	0	2	5	2	2	5	4	2	6	5.2	29.1	
12-Feb-07	6	18	0	0	1	2	1	2	2	4	4	4	5	6	5	7	11	26	18	1	9	5	5	4	6.0	26.1	
13-Feb-07	5	5	2	2	3	3	3	3	9	8	5	2	3	2	2	3	1	1	1	1	2	2	2	3	3.4	9.2	
14-Feb-07	3	3	4	3	3	3	4	5	4	3	4	3	3	2	3	4	6	17	18	12	7	3	1	1	5.0	18.4	
15-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	2	3	4	3	4	12	1.5	11.7	
16-Feb-07	7	3	1	1	2	2	2	2	3	3	3	4	3	4	8	7	8	1	0	1	3	3	4	1	3.1	8.1	
17-Feb-07	2	2	2	0	0	1	1	0	2	0	0	2	2	2	2	1	1	5	2	3	3	2	3	2	1.7	5.5	
18-Feb-07	4	8	0	3	0	0	0	2	3	7	3	8	4	2	1	2	2	3	24	7	8	7	0	11	4.6	23.7	
19-Feb-07	4	3	13	14	0	6	3	2	1	3	5	0	0	0	0	C	C	C	C	0	4	7	6	1	3.6	13.8	
20-Feb-07	3	3	2	3	3	2	3	3	3	2	4	5	3	7	9	4	2	2	7	20	18	3	0	1	4.6	19.8	
21-Feb-07	0	1	1	1	1	1	1	2	6	6	4	7	7	4	5	8	12	7	4	16	88	42	0	0	9.4	88.2	
22-Feb-07	12	7	0	3	0	0	0	0	1	2	2	13	9	10	4	5	3	5	6	6	6	10	10	27	5.9	26.6	
23-Feb-07	4	8	8	8	9	8	9	8	9	9	9	9	9	6	9	8	10	9	12	11	11	14	9	10	9.0	14.2	
24-Feb-07	11	11	12	15	13	11	8	6	5	4	7	4	10	6	8	11	9	5	3	2	2	3	20	15	8.3	19.9	
25-Feb-07	7	5	4	4	3	3	4	4	8	3	5	12	5	6	6	6	7	7	6	5	4	3	3	3	5.3	11.9	
26-Feb-07	6	16	15	3	5	7	7	7	5	4	5	6	8	5	6	8	13	11	7	6	15	25	26	11	9.5	25.6	
27-Feb-07	1	5	4	6	3	4	4	4	8	3	6	5	7	7	4	4	7	7	5	5	2	2	6	37	6.0	37.2	
28-Feb-07	10	2	2	1	3	5	3	4	10	14	24	13	6	1	2	2	2	5	16	13	9	2	3	2	4	6.4	23.6
Hourly Avg	5.8	6.1	4.9	3.3	2.9	3.1	2.6	3.2	5.1	4.8	4.1	4.6	5.0	5.2	3.9	4.1	5.4	7.4	6.7	5.6	8.4	6.9	6.1	7.5			
Hourly Max	25.8	25.5	15.3	15.0	13.3	10.5	9.5	9.9	13.7	23.6	12.7	12.9	20.8	29.1	10.0	12.1	14.0	26.1	23.7	19.8	88.2	41.8	25.6	37.2			

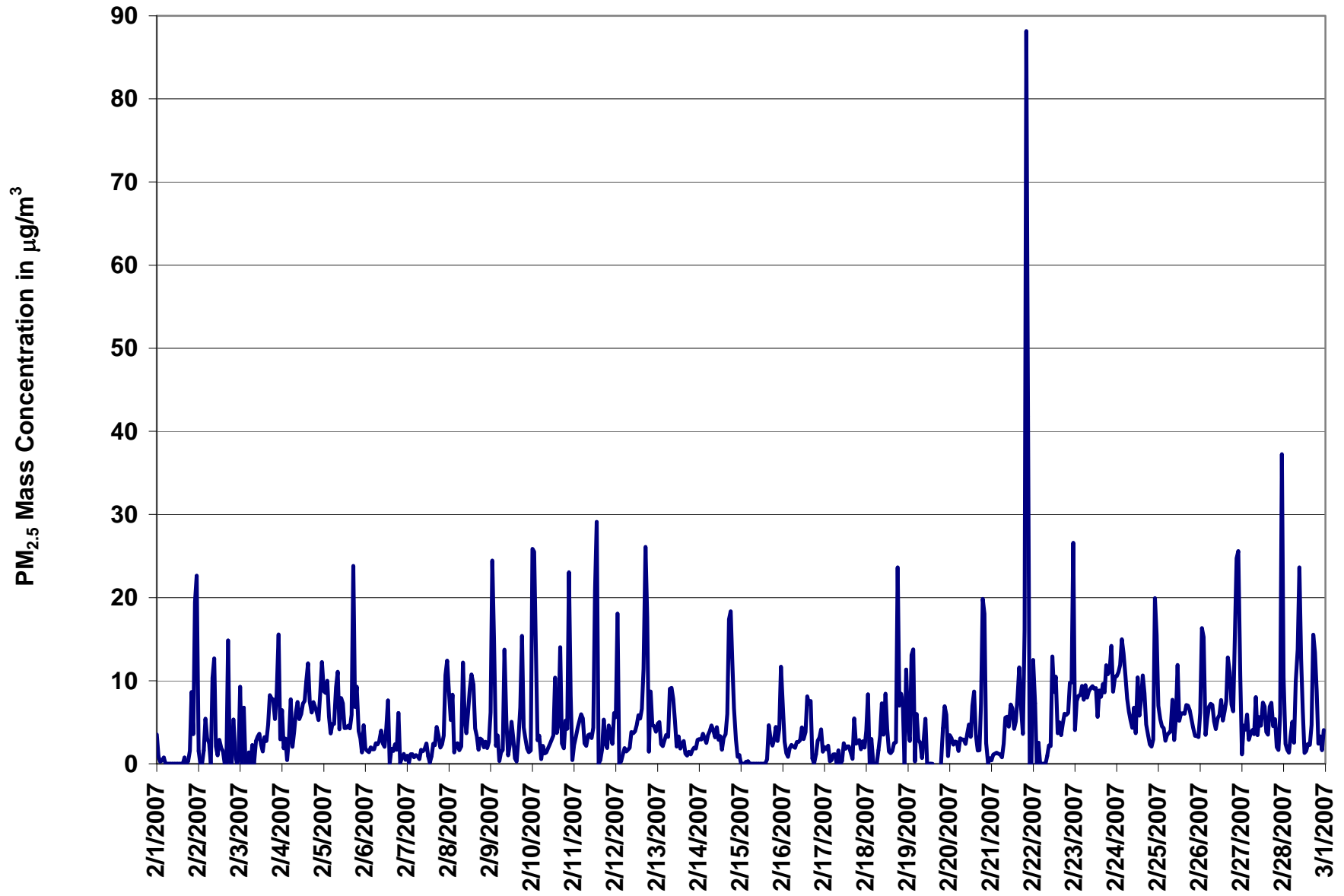


Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

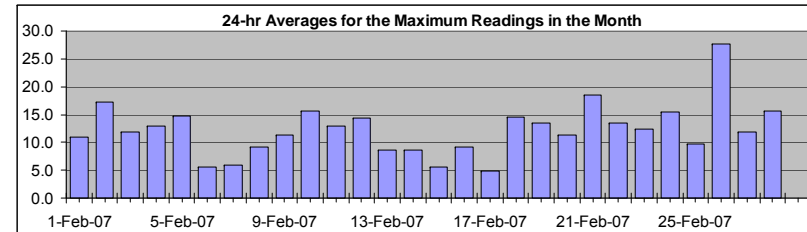
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	160.6	µg/m ³	21-Feb	20:00 21:00
Maximum 24-hr Value:	27.7	µg/m ³	26-Feb	



AIC Time:	0 hrs	Operational Time:	668 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	84.5	37.1	13.1	7.5	4.5	2.0	0.8	12.3	8 µg/m ³
									11.4 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	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-Feb-07	8	3	3	3	5	4	2	2	2	2	3	0	1	1	2	2	3	3	4	5	24	8	73	103	11.0	102.7	
2-Feb-07	18	3	2	7	15	8	19	4	46	47	14	3	6	5	7	2	3	97	62	2	27	12	2	4	17.3	97.1	
3-Feb-07	29	17	29	4	3	4	4	6	2	9	6	9	7	5	7	7	10	13	10	12	9	21	56	5	11.8	56.4	
4-Feb-07	27	9	16	13	10	20	6	7	9	25	8	10	12	10	15	23	11	8	10	10	11	8	14	18	12.9	27.0	
5-Feb-07	13	12	15	10	6	7	6	31	35	8	19	20	8	8	7	7	11	50	16	29	10	9	5	11	14.7	50.1	
6-Feb-07	5	5	3	5	7	4	7	5	5	7	6	4	14	16	2	3	3	4	4	11	2	3	4	4	5.6	15.6	
7-Feb-07	3	2	3	3	3	3	4	3	4	3	3	3	5	2	3	4	6	5	9	7	4	5	7	17	30	5.8	30.5
8-Feb-07	14	10	17	4	5	5	4	8	19	12	8	12	21	16	16	7	5	4	7	6	4	5	4	5	9.1	20.9	
9-Feb-07	22	31	25	13	13	4	5	8	21	19	4	5	10	6	4	3	10	13	24	9	10	5	4	5	11.3	31.5	
10-Feb-07	46	36	31	9	12	3	13	4	4	4	5	6	8	23	6	11	37	8	5	15	7	60	22	2	15.7	60.2	
11-Feb-07	4	6	7	8	9	8	5	4	6	6	5	9	80	82	3	3	4	12	5	5	9	9	6	13	12.8	82.5	
12-Feb-07	10	65	2	3	3	5	5	5	4	6	7	7	8	9	10	10	25	51	37	5	32	17	11	8	14.3	64.9	
13-Feb-07	7	9	5	5	7	7	8	32	30	15	9	11	8	7	5	5	5	5	4	4	4	4	4	6	8.6	31.9	
14-Feb-07	4	6	9	6	9	7	9	7	7	5	7	5	5	4	10	7	11	24	24	17	9	5	4	4	8.7	24.4	
15-Feb-07	2	2	2	2	2	3	1	1	0	2	2	1	1	2	4	4	19	5	6	5	7	6	6	51	5.6	51.0	
16-Feb-07	44	17	3	4	4	5	4	5	4	4	6	10	5	6	17	13	23	4	5	4	7	8	8	7	9.1	44.3	
17-Feb-07	7	4	6	3	2	3	3	3	6	1	2	6	5	6	4	4	3	12	7	7	6	4	7	4	4.8	12.1	
18-Feb-07	9	13	4	9	7	2	5	5	5	17	7	14	11	6	4	3	7	8	90	36	23	25	16	21	14.5	90.4	
19-Feb-07	9	25	27	33	28	30	15	10	3	11	20	1	1	0	1	C	C	C	C	3	10	17	22	4	13.5	33.0	
20-Feb-07	6	7	6	5	6	4	6	12	10	6	6	9	7	13	16	8	5	3	17	39	44	35	2	3	11.4	43.7	
21-Feb-07	2	3	3	3	3	4	3	7	11	9	8	11	11	7	7	19	19	12	8	56	161	67	9	2	18.5	160.6	
22-Feb-07	28	14	8	7	0	1	0	1	7	7	4	32	23	26	6	8	5	7	7	8	8	22	31	62	13.5	62.5	
23-Feb-07	15	9	10	11	13	13	14	10	11	11	13	15	12	10	11	10	12	12	16	14	15	18	12	13	12.5	17.7	
24-Feb-07	15	14	15	17	18	14	10	11	8	8	10	6	24	21	17	24	28	7	6	4	5	8	57	22	15.4	57.4	
25-Feb-07	21	12	10	8	5	6	5	15	14	5	8	25	12	12	8	7	10	9	8	7	5	5	5	5	9.6	24.7	
26-Feb-07	16	74	75	6	8	9	10	9	8	6	11	13	13	8	9	10	20	18	12	13	90	89	91	47	27.7	91.3	
27-Feb-07	3	11	16	14	4	5	6	6	12	6	8	8	9	10	11	8	19	19	10	10	7	3	29	52	11.8	51.7	
28-Feb-07	33	8	5	7	11	9	5	41	40	31	25	12	4	3	4	5	21	37	18	26	7	7	3	11	15.6	41.2	
Hourly Avg	15.1	15.3	12.7	7.9	7.8	7.1	6.6	9.4	12.0	10.5	8.4	9.6	11.7	11.6	7.7	8.1	12.3	16.9	16.0	13.0	19.9	17.3	18.7	18.7			
Hourly Max	45.7	73.7	74.8	33.0	28.1	29.7	19.0	41.2	46.3	47.5	25.5	32.0	79.6	82.5	17.1	23.6	36.5	97.1	90.4	56.3	160.6	88.6	91.3	102.7			

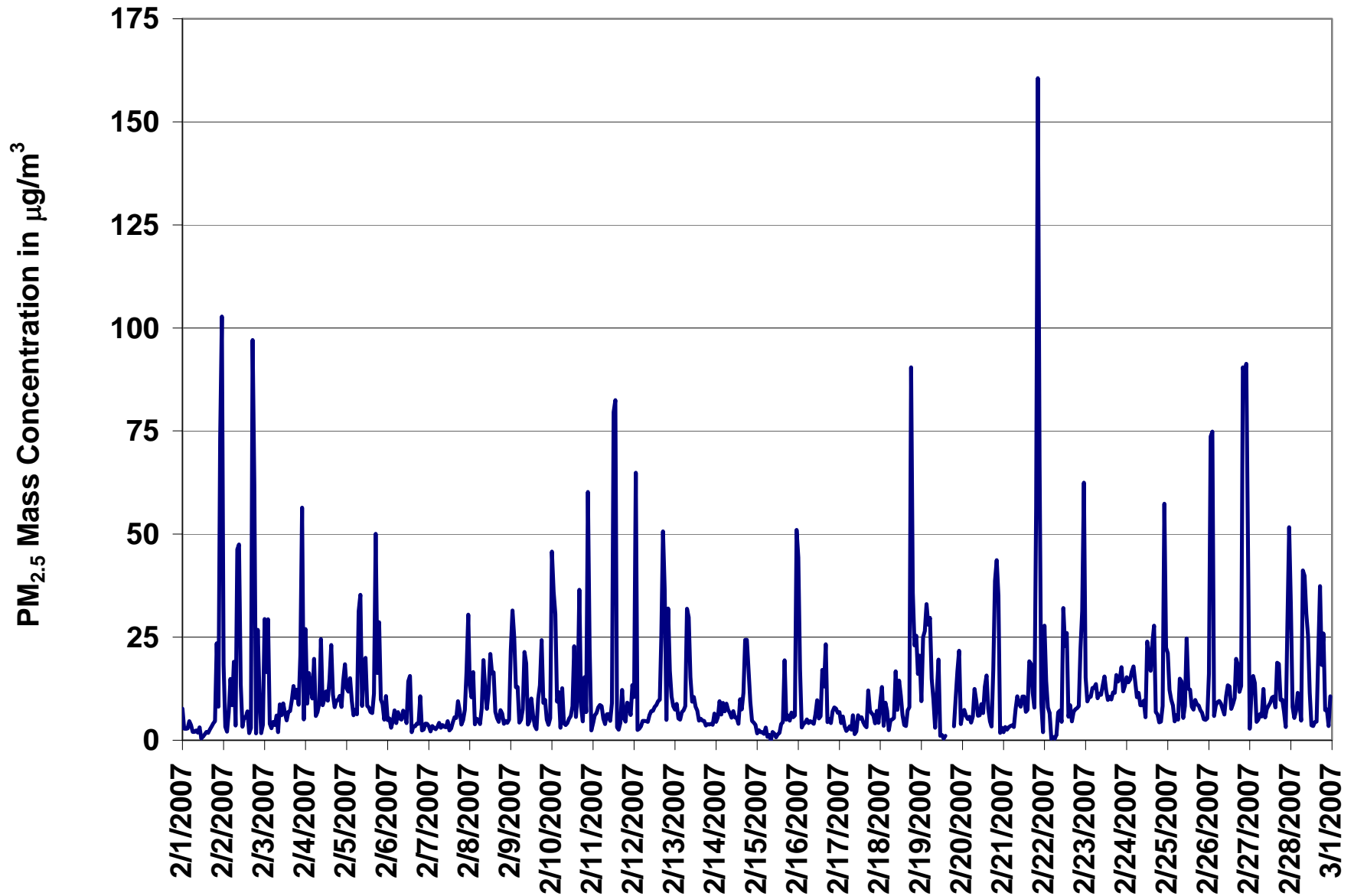
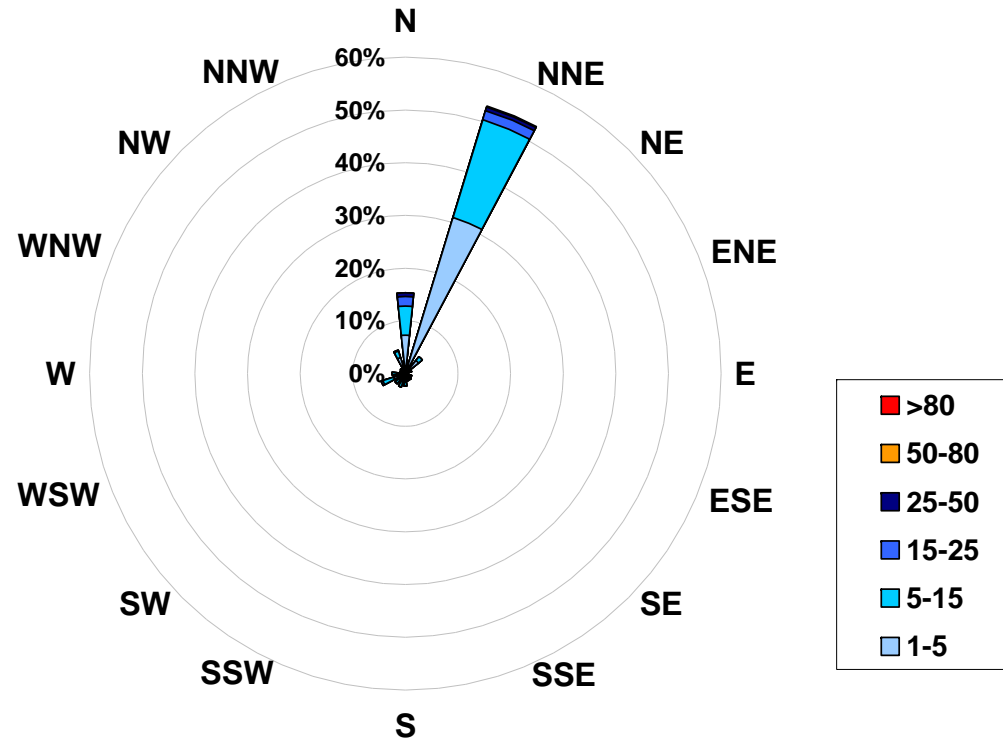


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



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

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	< 5	426	
5	to 15	208	
15	to 25	25	
25	to 50	8	
50	to 80	0	
	> 80	1	
Total Non-Zero Values			668

PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

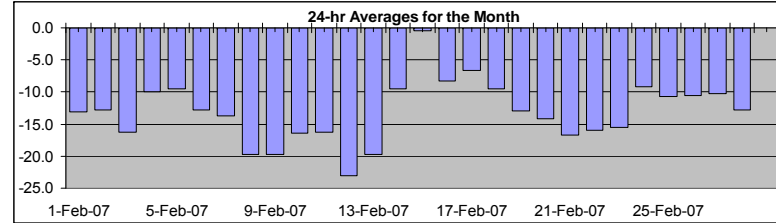
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	1.7 °C	15-Feb	16:00 17:00
Maximum 24-hr Value:	-0.4 °C	15-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.5	-2.8	-9.8	-13.0	-16.3	-21.8	-25.9	-13.1 °C	-13.0 °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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00		
1-Feb-07	-7	-9	-11	-12	-13	-14	-14	-16	-15	-15	-15	-14	-13	-12	-11	-12	-12	-14	-14	-15	-15	-14	-14	-12	-13.0	-7.2
2-Feb-07	-11	-9	-10	-13	-13	-14	-14	-14	-14	-13	-13	-12	-11	-9	-9	-8	-10	-12	-14	-16	-16	-16	-18	-19	-12.7	-8.0
3-Feb-07	-18	-20	-19	-19	-20	-20	-22	-20	-19	-20	-17	-15	-12	-11	-12	-14	-14	-14	-15	-15	-14	-13	-13	-16.3	-10.7	
4-Feb-07	-12	-12	-12	-12	-11	-11	-12	-12	-11	-11	-10	-10	-9	-8	-8	-8	-8	-8	-8	-9	-9	-9	-9	-9	-9.9	-8.0
5-Feb-07	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-10	-10	-10	-10	-10	-10	-11	-12	-9.5	-9.0	
6-Feb-07	-12	-12	-13	-13	-14	-14	-14	-14	-14	-14	-14	-13	-12	-12	-11	-11	-12	-12	-13	-13	-13	-12	-12	-12.8	-11.1	
7-Feb-07	-12	-12	-12	-13	-13	-13	-13	-13	-14	-14	-13	-13	-13	-12	-12	-12	-14	-14	-15	-15	-16	-16	-16	-17	-13.7	-11.8
8-Feb-07	-17	-18	-18	-19	-19	-20	-20	-21	-21	-21	-21	-21	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-19.7	-17.3	
9-Feb-07	-21	-21	-21	-21	-22	-22	-22	-22	-22	-22	-21	-20	-19	-18	-17	-17	-18	-18	-18	-18	-18	-18	-18	-18	-19.7	-17.0
10-Feb-07	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-17	-16	-15	-15	-14	-15	-15	-16	-15	-15	-16	-16	-15	-15	-16.4	-13.9
11-Feb-07	-15	-15	-15	-15	-16	-16	-16	-16	-17	-17	-16	-16	-16	-16	-16	-16	-16	-17	-17	-17	-17	-17	-18	-18	-16.3	-15.1
12-Feb-07	-20	-21	-22	-23	-23	-23	-23	-24	-26	-26	-25	-24	-22	-22	-21	-21	-21	-23	-23	-24	-24	-24	-25	-23.1	-19.8	
13-Feb-07	-25	-25	-26	-27	-28	-26	-28	-27	-27	-23	-20	-18	-17	-15	-15	-13	-13	-13	-14	-14	-14	-15	-15	-19.7	-13.0	
14-Feb-07	-16	-16	-15	-15	-14	-14	-14	-13	-12	-12	-10	-9	-8	-7	-6	-6	-6	-6	-8	-9	-6	-3	-2	0	-9.5	-0.2
15-Feb-07	0	-1	-2	-2	-1	0	-2	-2	-4	-3	0	1	1	1	1	2	2	1	0	0	0	0	0	-0.4	1.7	
16-Feb-07	-2	-3	-4	-6	-7	-8	-9	-10	-10	-10	-10	-9	-8	-7	-6	-6	-6	-10	-12	-12	-13	-12	-10	-9	-8.3	-1.6
17-Feb-07	-8	-8	-6	-6	-6	-5	-5	-7	-7	-7	-8	-8	-8	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6.6	-4.6	
18-Feb-07	-7	-3	-4	-5	-2	-1	-3	-9	-9	-11	-12	-13	-13	-11	-11	-10	-9	-12	-14	-14	-13	-13	-14	-14	-9.5	-0.9
19-Feb-07	-14	-14	-14	-14	-15	-16	-17	-17	-17	-17	-16	-15	-14	-12	-11	-11	-10	-10	-10	-10	-9	-9	-9	-10	-12.9	-9.0
20-Feb-07	-11	-10	-11	-12	-12	-15	-15	-15	-15	-15	-15	-15	-15	-14	-15	-14	-14	-15	-15	-16	-16	-16	-16	-16	-14.1	-10.3
21-Feb-07	-16	-16	-16	-17	-17	-17	-19	-20	-20	-19	-17	-15	-15	-14	-14	-14	-15	-16	-16	-17	-18	-18	-18	-18	-16.7	-13.8
22-Feb-07	-18	-18	-19	-19	-20	-20	-21	-21	-21	-20	-18	-16	-15	-14	-12	-12	-11	-12	-12	-13	-13	-13	-13	-13	-16.0	-11.4
23-Feb-07	-15	-17	-20	-21	-22	-23	-22	-20	-20	-19	-17	-12	-10	-11	-12	-11	-10	-12	-12	-12	-13	-12	-15	-16	-15.6	-9.9
24-Feb-07	-16	-18	-18	-18	-16	-17	-16	-16	-13	-11	-8	-4	-2	0	1	0	-2	-3	-5	-6	-6	-7	-8	-9	-9.1	0.8
25-Feb-07	-10	-11	-12	-12	-13	-13	-13	-13	-13	-12	-12	-11	-10	-9	-9	-8	-8	-8	-9	-11	-10	-10	-10	-12	-10.7	-7.8
26-Feb-07	-13	-12	-12	-12	-12	-12	-12	-12	-12	-12	-11	-9	-7	-7	-7	-8	-8	-9	-9	-11	-12	-13	-12	-12	-10.6	-6.9
27-Feb-07	-12	-13	-13	-13	-11	-11	-11	-11	-11	-11	-13	-12	-10	-9	-7	-7	-8	-8	-9	-10	-9	-10	-11	-11	-10.3	-7.1
28-Feb-07	-12	-13	-13	-14	-14	-15	-15	-15	-16	-15	-13	-12	-11	-10	-10	-10	-11	-11	-12	-13	-13	-13	-14	-14	-12.8	-9.9
Hourly Avg	-13.1	-13.4	-13.8	-14.3	-14.3	-14.5	-14.9	-15.3	-15.3	-14.9	-13.9	-12.7	-11.8	-11.1	-10.7	-10.6	-10.9	-11.6	-12.4	-12.8	-12.8	-12.6	-12.9	-13.1		
Hourly Max	-0.3	-1.2	-1.5	-2.1	-0.9	-0.2	-1.6	-2.4	-3.7	-3.0	-0.3	0.9	0.6	0.5	0.8	1.6	1.7	1.2	0.4	0.3	-0.5	0.2	-0.3	-0.1		

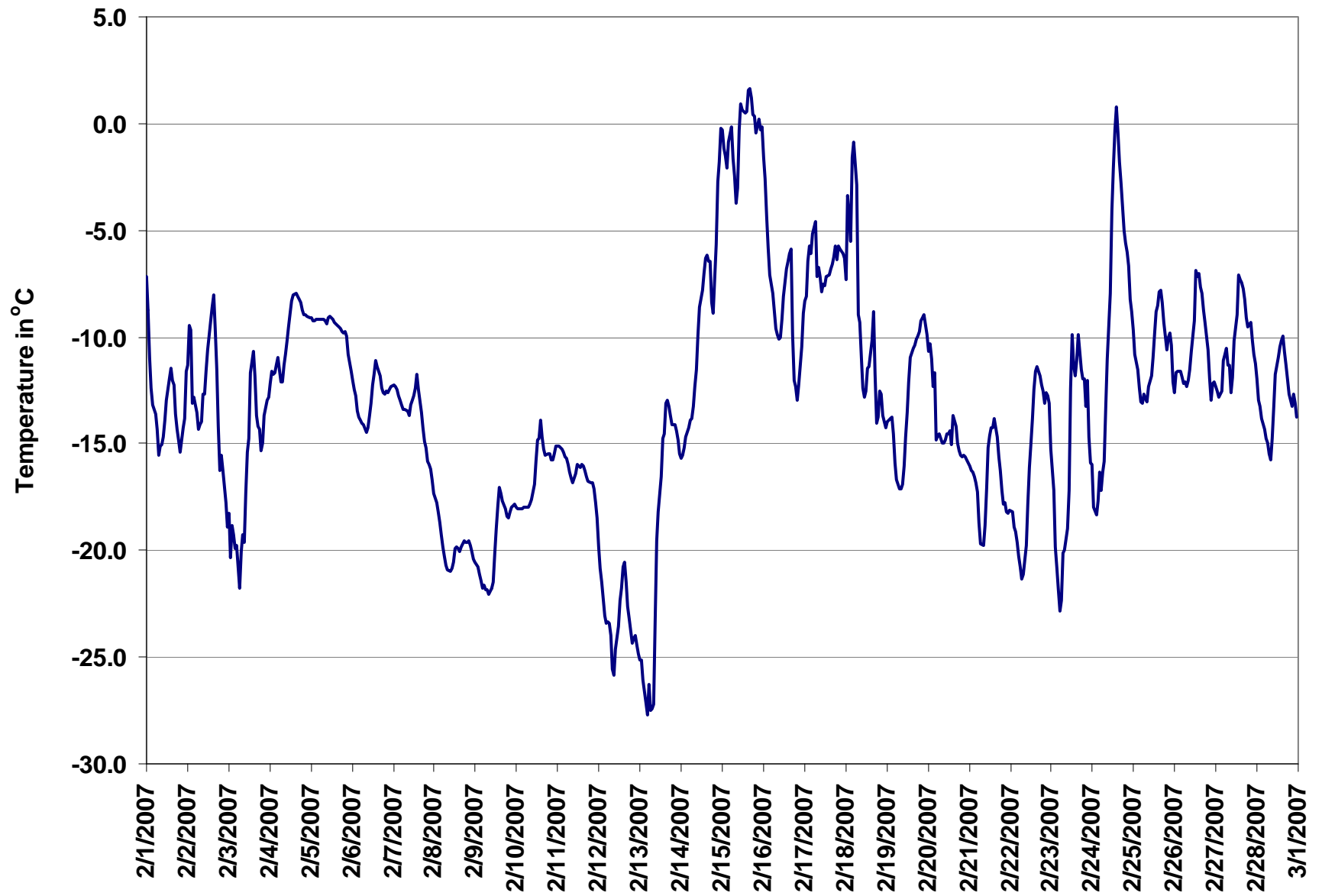


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

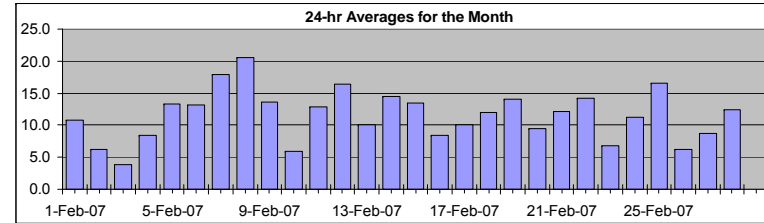
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	27.3	km/hr	25-Feb	9:00 10:00
Maximum 24-hr Value:	20.5	km/hr	8-Feb	

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	24.3	20.9	15.1	11.2	7.4	3.5	2.6	11.5 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	0:00		
1-Feb-07	19	22	25	15	10	5	3	7	9	10	11	12	15	14	12	11	9	10	10	9	5	3	6	8	10.9	24.7	
2-Feb-07	8	6	6	7	5	5	4	5	7	9	9	10	9	8	6	6	6	6	4	6	4	3	4	6	6.2	9.6	
3-Feb-07	3	3	3	3	2	2	3	5	5	3	4	3	4	3	3	6	7	5	6	5	4	5	4	2	3.8	6.9	
4-Feb-07	3	3	8	4	5	10	10	11	7	8	9	13	9	8	7	6	7	8	9	9	10	12	11	15	8.4	14.9	
5-Feb-07	14	15	13	15	15	16	18	16	16	16	16	15	16	19	18	11	11	8	7	6	8	11	10	11	13.4	19.4	
6-Feb-07	15	12	10	10	12	10	12	13	14	12	12	13	13	14	15	15	15	13	17	14	13	14	14	14	13.1	16.9	
7-Feb-07	16	17	19	19	21	20	17	16	18	20	17	16	16	19	16	17	17	18	19	20	18	18	18	20	17.9	20.6	
8-Feb-07	19	19	24	23	20	20	23	22	21	22	21	22	21	19	20	20	21	21	20	19	18	18	18	18	20.5	23.9	
9-Feb-07	18	17	17	18	16	16	16	14	16	14	13	12	12	11	11	11	10	12	14	14	13	11	11	10	13.6	18.2	
10-Feb-07	8	6	7	6	5	5	4	2	3	4	6	4	5	6	5	8	7	8	7	8	9	10	4	6	6.0	10.0	
11-Feb-07	9	10	10	9	10	9	12	10	12	15	13	11	11	15	15	17	16	15	14	14	15	15	16	17	12.9	16.7	
12-Feb-07	16	15	17	17	16	18	20	20	18	17	20	16	17	19	16	13	16	17	19	16	14	14	12	10	16.4	20.3	
13-Feb-07	10	9	8	6	5	5	7	8	7	4	3	5	7	8	12	17	17	14	14	16	16	16	13	10.0	16.8		
14-Feb-07	11	12	12	14	13	15	13	15	13	10	10	8	10	11	8	13	13	16	17	18	21	26	24	24	14.4	26.1	
15-Feb-07	25	24	21	21	23	24	22	17	15	17	15	13	12	7	7	4	4	5	8	11	9	5	5	6	13.4	24.7	
16-Feb-07	11	11	11	12	12	11	12	11	11	10	9	8	8	8	8	7	4	3	3	4	3	6	6	10	8.4	12.4	
17-Feb-07	7	5	7	5	6	3	4	5	8	11	14	14	15	15	13	11	15	13	16	18	16	10	6	4	10.0	18.3	
18-Feb-07	7	17	10	18	23	27	23	23	14	14	13	13	11	8	7	5	4	4	4	3	3	9	14	14	12.0	27.1	
19-Feb-07	14	16	15	15	14	11	10	11	12	13	12	11	11	16	20	20	22	21	22	16	12	11	6	9	14.1	22.1	
20-Feb-07	7	7	7	7	11	6	10	9	7	9	12	13	14	12	11	10	10	9	9	9	9	11	11	10	9.4	13.5	
21-Feb-07	10	10	9	10	12	12	11	10	11	11	12	13	12	12	13	14	16	14	14	12	11	13	14	14	12.1	15.6	
22-Feb-07	16	13	13	12	13	14	12	12	14	13	12	11	13	14	15	19	19	19	17	17	15	13	14	11	14.2	19.4	
23-Feb-07	7	7	6	4	4	6	5	5	6	5	5	4	3	6	9	6	4	6	10	11	12	12	11	10	6.8	12.2	
24-Feb-07	9	9	11	10	10	10	8	8	9	7	5	3	4	3	6	10	14	15	17	19	22	21	18	19	11.2	21.7	
25-Feb-07	21	20	19	19	20	19	16	22	22	27	19	18	20	18	14	12	11	11	12	11	14	14	13	6	16.6	27.3	
26-Feb-07	2	6	5	3	3	4	3	4	4	6	6	6	6	6	8	8	9	8	9	9	8	8	9	9	6.2	9.4	
27-Feb-07	9	9	10	9	9	9	8	4	4	4	4	3	4	3	8	12	12	11	12	11	10	11	11	13	8.7	13.2	
28-Feb-07	13	14	15	15	14	15	14	13	12	12	14	13	11	13	13	13	10	10	12	11	9	10	11	11	12.4	15.1	
1-hr Average	11.7	12.0	12.0	11.7	11.8	11.6	11.5	11.4	11.3	11.5	11.1	10.9	10.9	11.4	11.5	11.4	11.6	11.4	12.1	12.0	11.5	11.8	11.4	11.4			
Hourly Max	24.7	24.3	24.7	22.6	22.9	27.1	23.0	22.8	22.5	27.3	21.4	22.1	21.0	19.4	20.5	20.4	22.1	20.8	21.6	19.9	21.7	26.1	24.3	24.1			

PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

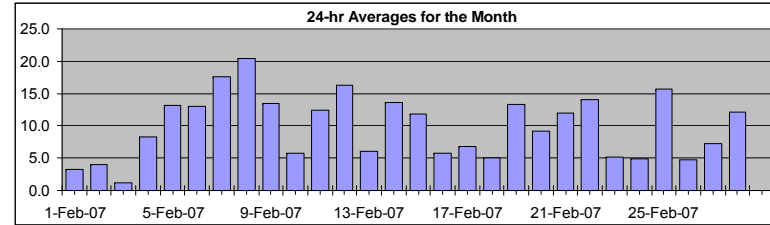
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	27.2	km/hr	25-Feb	9:00 10:00
Maximum 24-hr Value:	20.5	km/hr	8-Feb	



Calm Time:	6 hrs	1% calms	Operational Time:	666 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	24.2	20.8	15.0	11.2	7.3	2.9	1.6	9.1 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 / Hour End	0:00 / 1:00	1:00 / 2:00	2:00 / 3:00	3:00 / 4:00	4:00 / 5:00	5:00 / 6:00	6:00 / 7:00	7:00 / 8:00	8:00 / 9:00	9:00 / 10:00	10:00 / 11:00	11:00 / 12:00	12:00 / 13:00	13:00 / 14:00	14:00 / 15:00	15:00 / 16:00	16:00 / 17:00	17:00 / 18:00	18:00 / 19:00	19:00 / 20:00	20:00 / 21:00	21:00 / 22:00	22:00 / 23:00	23:00 / 0:00		
1-Feb-07	19	22	25	15	9	5	1	6	9	10	11	12	15	14	12	11	9	10	10	9	4	2	5	7	3.3	24.6
2-Feb-07	8	6	3	7	5	4	4	5	5	9	9	10	9	8	5	6	6	4	3	6	3	3	4	5	4.0	9.5
3-Feb-07	calm	3	calm	2	2	calm	3	4	4	3	3	3	4	2	1	6	6	3	4	4	4	5	2	1	1.2	5.7
4-Feb-07	2	1	8	3	5	10	10	11	7	8	9	13	9	8	7	6	7	8	8	9	10	12	11	15	8.3	14.8
5-Feb-07	14	15	13	15	15	16	18	16	16	16	16	15	16	19	18	11	11	8	6	6	7	10	10	11	13.1	19.2
6-Feb-07	15	12	10	10	12	10	12	13	14	12	12	13	13	14	14	14	15	13	17	14	13	14	14	13	13.1	16.9
7-Feb-07	16	17	19	19	21	20	17	16	18	20	17	16	16	19	15	17	17	17	18	20	18	18	18	20	17.6	20.6
8-Feb-07	19	19	24	23	20	20	23	22	21	22	21	22	21	19	20	20	21	21	20	19	18	18	18	18	20.5	23.9
9-Feb-07	18	17	17	18	16	16	16	14	16	14	12	12	12	11	11	10	10	11	14	14	13	11	11	9	13.4	18.1
10-Feb-07	8	6	7	6	5	5	4	calm	3	4	6	4	5	6	5	8	7	8	7	8	9	10	3	5	5.7	9.8
11-Feb-07	9	10	9	9	10	9	12	10	12	15	13	11	11	15	15	17	16	15	14	14	15	15	16	17	12.4	16.7
12-Feb-07	16	15	17	17	16	18	20	20	18	17	20	16	17	19	16	13	16	17	19	16	14	14	12	10	16.3	20.3
13-Feb-07	10	9	8	5	5	4	7	8	7	4	calm	4	6	8	12	17	17	14	14	16	16	16	13	6.1	16.8	
14-Feb-07	11	11	11	14	12	14	13	15	13	10	10	8	10	10	7	12	13	15	17	18	21	26	24	24	13.6	26.1
15-Feb-07	25	24	21	21	23	24	22	17	15	17	15	13	11	6	6	4	2	3	7	11	7	3	5	5	11.8	24.6
16-Feb-07	11	11	11	12	12	11	12	11	11	10	9	8	8	8	8	7	4	3	3	4	calm	5	5	10	5.8	12.4
17-Feb-07	6	3	7	4	6	2	2	4	8	11	14	14	15	14	13	11	15	12	16	18	16	10	5	3	6.9	18.2
18-Feb-07	7	17	9	17	23	26	19	23	12	13	12	13	11	8	7	5	4	3	4	1	2	9	14	14	5.0	26.3
19-Feb-07	14	16	15	15	14	11	10	11	12	13	12	11	11	16	20	20	22	21	22	16	12	11	3	8	13.4	22.1
20-Feb-07	5	4	7	6	10	6	10	9	7	9	12	12	13	12	11	10	10	8	9	8	9	10	11	10	9.1	13.3
21-Feb-07	9	10	9	10	12	12	11	10	11	11	12	13	12	12	13	14	16	14	14	12	11	12	14	14	11.9	15.6
22-Feb-07	16	13	13	12	13	14	12	12	14	13	12	11	13	14	14	19	19	19	17	17	15	13	14	11	14.0	19.4
23-Feb-07	6	7	5	4	4	5	5	5	6	5	5	3	2	6	9	6	3	5	10	10	12	12	11	10	5.1	12.0
24-Feb-07	9	9	10	10	10	10	8	8	8	7	4	2	1	2	6	10	14	15	17	19	22	21	18	19	4.9	21.7
25-Feb-07	21	20	19	19	20	19	16	22	22	27	19	17	20	18	14	11	11	11	12	11	14	14	13	3	15.7	27.2
26-Feb-07	2	5	4	2	3	4	3	4	4	5	6	6	6	5	8	8	9	8	9	9	8	8	9	9	4.7	9.4
27-Feb-07	9	9	10	9	9	9	8	4	2	4	3	3	3	7	11	12	10	12	11	10	11	11	11	13	7.3	13.2
28-Feb-07	13	14	15	15	14	15	14	13	12	12	14	13	11	12	13	13	10	10	12	10	8	10	11	11	12.2	15.1
1-hr Vector	18.2	22.0	18.4	19.2	26.1	31.3	32.1	29.9	25.2	21.7	24.9	25.3	23.5	26.7	24.3	21.4	17.7	9.4	11.2	12.9	12.4	6.0	10.3	11.3		
Hourly Max	24.6	24.2	24.6	22.6	22.8	26.3	22.5	22.6	22.4	27.2	21.3	22.0	21.0	19.3	20.4	20.4	22.1	20.8	21.6	19.9	21.7	26.1	24.2	24.0		

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time: 0 hrs	0% calms	Operational Time: 672 hrs						
Calibration Time: 0 hrs		AMD Operational Uptime: 100.0%						
Percentile	99	95	75	50	25	5	1	Average
	358.5	348.5	229.2	26.7	17.7	9.2	3.1	10 deg

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Feb-07	14	30	39	30	22	359	58	203	260	245	242	240	237	220	238	240	240	237	246	259	17	4	24	342	299	WNW
2-Feb-07	328	265	245	36	15	45	263	313	331	23	29	26	17	18	349	256	278	310	336	283	335	24	312	262	339	NNW
3-Feb-07	16	260	64	346	293	336	270	237	237	176	187	178	121	118	349	257	268	40	270	296	278	26	20	96	282	WNW
4-Feb-07	30	22	25	45	22	20	29	26	32	34	39	34	22	25	22	12	19	31	30	24	20	26	25	20	26	NNE
5-Feb-07	24	25	20	25	20	21	24	18	19	16	16	359	5	1	359	7	20	0	348	2	351	17	34	17	14	NNE
6-Feb-07	29	31	37	23	23	28	24	20	26	26	26	29	23	20	30	22	24	28	27	18	28	33	41	39	27	NNE
7-Feb-07	42	42	41	46	47	47	40	40	42	48	43	35	41	49	35	21	22	17	19	25	19	22	15	17	34	NE
8-Feb-07	12	13	17	23	17	16	17	16	16	18	19	15	15	12	14	14	15	21	19	18	21	16	20	15	17	NNE
9-Feb-07	16	12	8	13	14	23	16	19	15	22	21	23	17	6	349	343	352	1	7	14	22	16	18	21	13	NNE
10-Feb-07	11	7	10	12	17	21	25	63	46	46	28	24	21	20	31	26	10	353	346	2	15	12	13	326	13	NNE
11-Feb-07	327	329	341	357	348	4	25	30	29	23	30	23	6	17	23	23	24	16	21	22	15	21	23	19	15	NNE
12-Feb-07	13	11	15	18	23	23	24	25	21	20	25	23	19	16	18	10	11	10	15	23	20	18	19	18	18	NNE
13-Feb-07	14	9	11	9	28	36	27	28	30	45	76	175	146	134	135	125	122	116	122	137	150	154	156	172	115	ESE
14-Feb-07	182	187	197	202	192	211	223	229	221	228	241	239	238	198	200	231	235	237	237	232	236	240	250	250	226	SW
15-Feb-07	250	246	247	255	255	257	260	258	251	227	204	205	240	267	238	301	73	265	241	233	313	306	263	14	250	WSW
16-Feb-07	22	27	32	24	34	34	31	25	30	30	26	26	28	24	17	10	7	315	279	282	143	217	194	184	25	NNE
17-Feb-07	183	192	241	244	181	159	197	70	21	26	24	24	26	29	29	28	26	17	23	18	19	30	10	282	24	NNE
18-Feb-07	238	249	203	236	230	239	278	348	4	0	24	11	19	27	32	25	32	18	32	339	31	20	22	12	325	NW
19-Feb-07	20	23	14	16	22	21	18	15	20	22	20	23	20	27	29	29	26	23	27	23	15	18	6	238	21	NNE
20-Feb-07	358	331	2	360	338	19	4	347	344	18	10	7	11	9	3	5	355	348	359	6	5	29	28	34	5	N
21-Feb-07	42	33	35	31	28	28	16	9	8	11	17	18	13	14	18	15	16	17	15	13	13	17	15	18	18	NNE
22-Feb-07	13	12	16	12	14	23	22	21	21	23	23	18	12	14	14	15	25	31	38	34	26	22	21	12	21	NNE
23-Feb-07	122	138	182	197	192	256	237	193	211	238	184	178	186	271	268	287	280	279	279	240	270	233	239	231	234	SW
24-Feb-07	241	254	241	250	228	254	230	211	256	272	282	249	80	303	20	19	20	17	20	21	30	25	15	9	345	NNW
25-Feb-07	15	12	10	10	19	22	22	25	21	24	20	17	20	19	7	352	342	340	321	323	335	342	342	314	8	N
26-Feb-07	121	65	317	247	159	192	88	109	57	16	19	23	17	9	14	9	5	353	357	23	12	5	10	359	16	NNE
27-Feb-07	352	353	350	351	349	348	347	41	62	160	159	143	160	16	352	354	9	17	15	15	23	21	17	12	8	N
28-Feb-07	18	19	15	18	16	13	14	14	16	12	16	13	350	350	353	352	354	5	15	16	353	360	350	355	7	N
Hourly Avg	292	304	297	293	302	310	313	311	306	302	286	300	301	310	309	312	312	256	245	253	247	239	251	192		

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%
Percentile	99	95	75	50
	53.3	36.0	9.3	5.2
			3.4	2.6
				2.2

Status Flag Characters

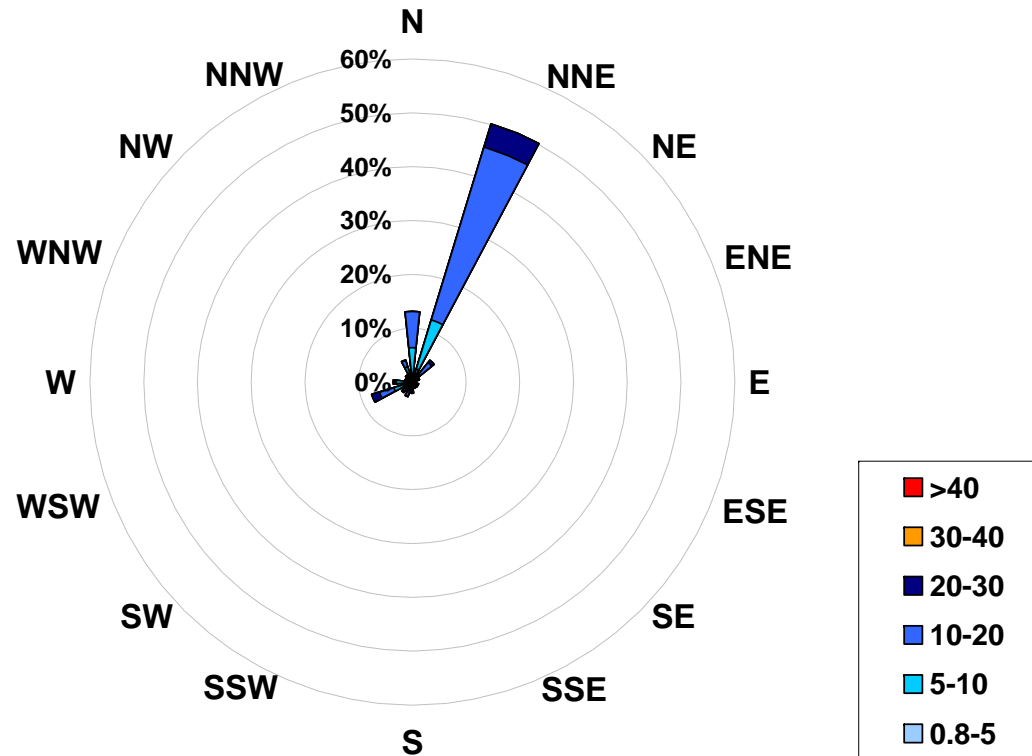
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day Mountain Standard Time

Day	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	Daily Maximum
1-Feb-07	9	7	4	6	8	12	46	15	5	4	5	5	3	5	5	3	4	6	6	11	28	48	40	12	48.3	
2-Feb-07	11	25	54	15	22	10	24	15	9	5	4	3	5	4	12	7	11	18	54	10	22	19	14	16	54.0	
3-Feb-07	36	50	49	26	54	45	26	10	13	31	9	19	16	20	41	9	23	21	15	38	22	15	43	58	58.4	
4-Feb-07	54	45	8	36	50	7	7	5	8	6	6	5	6	6	6	7	5	4	6	3	4	3	4	3	54.4	
5-Feb-07	3	3	3	2	3	3	3	4	4	3	4	6	8	7	8	11	7	10	18	12	10	9	7	5	18.4	
6-Feb-07	4	4	7	4	4	4	4	5	3	4	4	5	5	6	5	4	3	4	2	3	3	4	4	4	7.3	
7-Feb-07	4	12	3	4	3	3	4	4	3	3	4	4	5	5	7	4	3	3	3	3	3	3	4	3	11.8	
8-Feb-07	4	4	3	3	3	2	3	2	3	3	3	3	3	4	3	3	3	3	3	3	4	3	4	3	4.3	
9-Feb-07	3	3	3	3	3	4	3	3	3	3	3	4	4	5	6	7	8	7	5	3	5	5	4	5	8.4	
10-Feb-07	7	7	7	7	7	6	10	65	7	7	7	15	8	8	7	6	7	8	6	8	4	8	24	37	65.1	
11-Feb-07	5	6	7	8	6	7	4	4	4	3	6	6	7	4	4	3	3	3	3	3	3	3	3	2	8.1	
12-Feb-07	3	3	3	2	3	3	3	3	3	2	2	2	6	3	3	4	3	3	2	3	3	3	3	4	6.0	
13-Feb-07	3	5	5	9	13	14	8	6	6	16	47	24	20	5	4	3	4	4	4	4	3	3	4	10	47.0	
14-Feb-07	9	8	11	8	19	5	11	8	3	5	7	8	8	8	16	10	8	5	8	2	3	2	3	3	19.3	
15-Feb-07	2	3	2	2	2	2	1	4	5	3	4	5	6	36	40	21	61	47	8	5	9	14	5	12	60.6	
16-Feb-07	4	4	5	4	6	5	5	4	4	4	5	7	7	7	7	6	21	19	19	23	48	12	22	8	47.8	
17-Feb-07	15	45	16	15	18	34	25	18	4	3	3	3	3	4	4	4	3	5	4	3	4	9	17	25	45.3	
18-Feb-07	18	6	34	9	5	5	9	6	20	13	10	7	6	9	12	10	11	15	9	39	33	5	3	4	39.3	
19-Feb-07	4	3	4	3	3	4	3	3	3	3	5	4	3	3	3	3	3	2	3	11	6	45	18	44.9		
20-Feb-07	24	13	17	13	11	17	8	8	14	12	9	10	9	7	6	10	8	6	7	7	7	5	4	5	24.0	
21-Feb-07	5	4	5	4	4	3	5	3	4	4	3	5	6	7	7	5	2	3	4	3	4	3	2	2	7.1	
22-Feb-07	3	5	4	4	5	4	3	2	3	3	5	4	5	4	4	4	4	3	4	3	3	4	4	6	5.6	
23-Feb-07	11	3	10	8	13	9	11	8	10	11	9	19	34	11	5	9	16	15	17	10	6	5	10	5	33.6	
24-Feb-07	10	12	11	8	6	8	7	10	8	4	13	17	49	17	6	3	3	2	2	2	2	3	4	4	49.3	
25-Feb-07	3	3	3	5	5	8	6	4	6	4	4	5	4	4	6	9	8	6	4	5	4	5	4	34	34.4	
26-Feb-07	53	14	23	21	39	38	37	8	10	11	6	8	7	14	8	12	8	8	6	4	4	6	5	4	53.1	
27-Feb-07	4	4	5	5	5	5	11	47	52	9	16	13	20	19	7	8	7	3	4	4	3	2	3	3	52.2	
28-Feb-07	4	2	3	3	3	3	3	3	2	4	3	6	9	9	8	7	8	7	3	5	6	7	4	5	8.9	

Hourly Max	54	50	54	36	54	45	46	65	52	31	47	24	49	36	41	21	61	47	54	39	48	48	45	58
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1-hr Average Wind Rose (in km/hr) Located at the Smoky Heights Site for February 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	88
5	to	10	180
10	to	20	355
20	to	30	49
30	to	40	0
	>	40	0
Total Non-Zero Values			672

PASZA – Beaverlodge Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Beaverlodge - AQI Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: February 1, 2007 to March 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:	640
Number of 1-hr Fair Readings:	0
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day	Mountain Standard Time																							
Hour Start	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-Feb-07	18	19	19	19	N	17	16	15	16	16	15	17	16	16	16	16	16	15	13	13	17	18	16	17
2-Feb-07	18	17	18	17	N	17	17	17	14	9	13	13	12	11	14	12	12	9	7	9	8	9	6	8
3-Feb-07	6	7	10	11	N	15	6	7	9	14	8	10	10	N	9	7	7	6	8	7	7	6	7	7
4-Feb-07	6	6	6	6	N	5	6	6	9	13	15	10	10	10	9	10	12	8	7	7	7	9	8	6
5-Feb-07	7	7	9	10	N	9	7	7	8	9	8	9	10	12	13	13	12	10	11	11	11	12	12	12
6-Feb-07	12	12	12	14	N	14	12	13	13	13	13	13	16	17	16	16	17	16	16	16	17	17	17	17
7-Feb-07	17	16	17	18	N	17	17	16	16	16	17	17	17	18	18	18	18	18	18	18	18	17	16	16
8-Feb-07	15	14	14	13	N	13	13	12	13	13	13	13	14	14	14	14	13	13	13	13	13	14	14	14
9-Feb-07	13	13	13	13	N	13	13	12	12	11	11	10	13	13	13	13	13	12	11	11	11	11	10	8
10-Feb-07	9	9	10	10	N	9	7	8	7	9	11	10	11	12	12	11	12	11	11	12	11	9	8	9
11-Feb-07	9	9	9	8	N	9	8	8	8	9	9	11	12	13	15	15	15	15	15	15	15	15	15	15
12-Feb-07	15	15	15	15	N	15	13	11	7	10	13	13	13	13	14	14	14	8	9	10	11	11	12	12
13-Feb-07	11	10	11	10	N	10	10	8	6	7	10	11	10	11	11	10	7	6	7	7	6	7	7	7
14-Feb-07	7	8	7	6	N	6	6	7	6	5	7	8	7	8	8	7	7	6	13	17	17	17	17	18
15-Feb-07	19	19	19	19	N	19	19	18	17	17	18	18	17	18	18	18	19	14	14	10	10	11	11	13
16-Feb-07	13	11	12	11	N	11	12	11	8	10	11	10	13	18	20	20	20	19	19	20	20	20	19	19
17-Feb-07	18	18	19	18	N	19	19	20	20	20	19	18	18	17	16	14	12	13	14	7	6	12	10	9
18-Feb-07	11	21	N	22	N	20	19	17	14	15	14	15	15	15	15	15	14	9	8	10	9	9	8	
19-Feb-07	7	9	11	12	N	10	8	9	10	10	10	13	12	13	13	12	12	12	10	9	8	11	10	10
20-Feb-07	8	12	12	12	N	11	11	11	12	13	15	15	15	15	15	15	15	14	13	12	10	10	8	8
21-Feb-07	9	10	10	8	N	10	9	16	16	16	15	15	16	16	16	16	16	13	12	8	6	11	7	9
22-Feb-07	12	11	9	11	N	10	12	11	9	10	11	11	10	13	14	13	11	9	10	9	10	8	8	11
23-Feb-07	11	11	11	11	N	10	8	6	8	11	12	12	12	14	N	N	3	11	11	12	8	8	15	9
24-Feb-07	8	7	8	12	N	14	14	11	8	6	9	12	16	17	16	16	15	18	21	20	20	21	21	21
25-Feb-07	20	19	19	18	N	14	14	13	14	14	15	15	16	16	14	15	14	14	11	11	13	13	13	13
26-Feb-07	13	13	13	13	N	9	10	11	11	11	11	13	13	13	14	15	15	14	14	14	14	15	16	16
27-Feb-07	13	15	16	9	N	8	9	10	12	13	13	14	14	14	14	14	13	12	11	11	10	11	11	11
28-Feb-07	10	11	10	10	N	10	11	10	8	11	13	13	16	17	17	17	16	13	12	15	15	14	13	13

PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

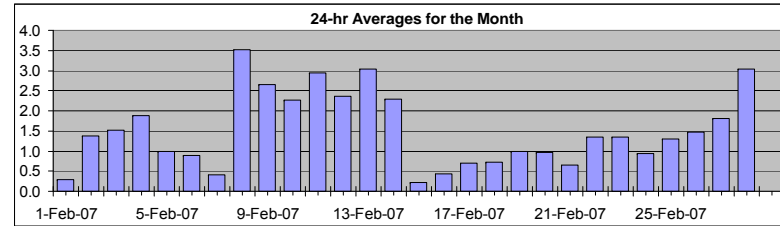
Monitoring Dates: February 1, 2007 to March 1, 2007

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:	8.0	ppb	28-Feb	20:00	21:00
Maximum 24-hr Average:	3.5	ppb	8-Feb		

AIC Time:	29 hrs		Operational Time:	640 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	5.5	3.6	2.0	1.2	0.6	0.2	0.1	1.5 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																								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-Feb-07	0	0	0	0	A	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
2-Feb-07	0	1	1	0	A	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	1.4	2.6	
3-Feb-07	1	1	1	1	A	1	1	1	1	1	1	1	2	2	2	1	1	2	2	3	2	2	1	1.5	2.7		
4-Feb-07	1	1	1	1	A	1	2	2	2	5	3	2	2	3	5	2	2	1	2	1	1	1	1	1.9	4.7		
5-Feb-07	1	1	1	1	A	1	1	1	0	0	0	2	1	1	1	1	3	2	1	1	1	1	0	1.0	2.9		
6-Feb-07	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0.9	1.6		
7-Feb-07	1	1	0	0	A	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0.4	0.9		
8-Feb-07	1	4	6	6	A	1	2	4	3	2	3	4	4	3	3	4	4	3	4	4	5	4	4	3.5	6.2		
9-Feb-07	5	6	5	4	A	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2.6	5.8		
10-Feb-07	2	2	2	2	A	2	1	1	1	2	2	2	3	2	2	2	3	3	3	4	3	3	3	2.3	3.6		
11-Feb-07	3	3	3	3	A	2	2	3	3	3	3	4	6	3	3	3	5	5	5	1	0	1	1	2.9	6.3		
12-Feb-07	2	2	2	3	A	3	3	3	3	2	2	2	2	2	2	2	2	3	2	2	3	3	3	2.4	3.3		
13-Feb-07	3	3	3	3	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0	3.4		
14-Feb-07	3	2	3	3	A	3	3	3	3	3	3	3	3	3	3	3	3	2	1	0	0	0	0	2.3	3.3		
15-Feb-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5		
16-Feb-07	1	1	1	1	A	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.4	1.1		
17-Feb-07	0	0	0	0	A	0	0	1	1	1	1	1	1	1	2	1	1	1	0	0	0	1	1	0.7	1.6		
18-Feb-07	1	0	0	0	A	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	0.7	1.7		
19-Feb-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1.0	1.4		
20-Feb-07	1	1	1	1	A	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1.0	1.6		
21-Feb-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0.7	1.0		
22-Feb-07	0	0	0	0	A	0	0	1	1	1	1	2	2	2	2	2	2	2	3	4	1	1	1	1.4	3.7		
23-Feb-07	1	1	2	1	A	1	1	1	1	1	2	1	C	C	C	A	2	2	1	1	1	1	2	1.4	1.8		
24-Feb-07	1	1	1	1	A	1	1	1	1	2	2	1	1	1	1	1	1	1	0	1	0	1	1	0.9	1.7		
25-Feb-07	1	1	1	2	A	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	1	1	1.3	2.0		
26-Feb-07	1	1	1	1	A	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	1.5	2.5		
27-Feb-07	1	2	3	2	A	2	1	2	2	2	1	2	2	3	2	2	2	2	1	2	1	2	2	1.8	3.1		
28-Feb-07	1	1	1	1	A	1	1	1	1	2	2	2	2	2	4	4	4	4	5	5	7	8	5	3.0	8.0		
Hourly Avg	1.2	1.3	1.5	1.4	N	1.1	1.2	1.4	1.3	1.4	1.4	1.6	1.8	1.6	1.8	1.7	1.8	1.9	1.7	1.7	1.6	1.6	1.4	1.3			
Hourly Max	5.1	5.8	6.2	5.7	0.0	3.2	3.3	4.3	3.2	4.6	3.4	4.2	6.3	3.4	4.7	4.1	4.9	5.2	5.2	7.3	8.0	7.1	4.5	3.7			

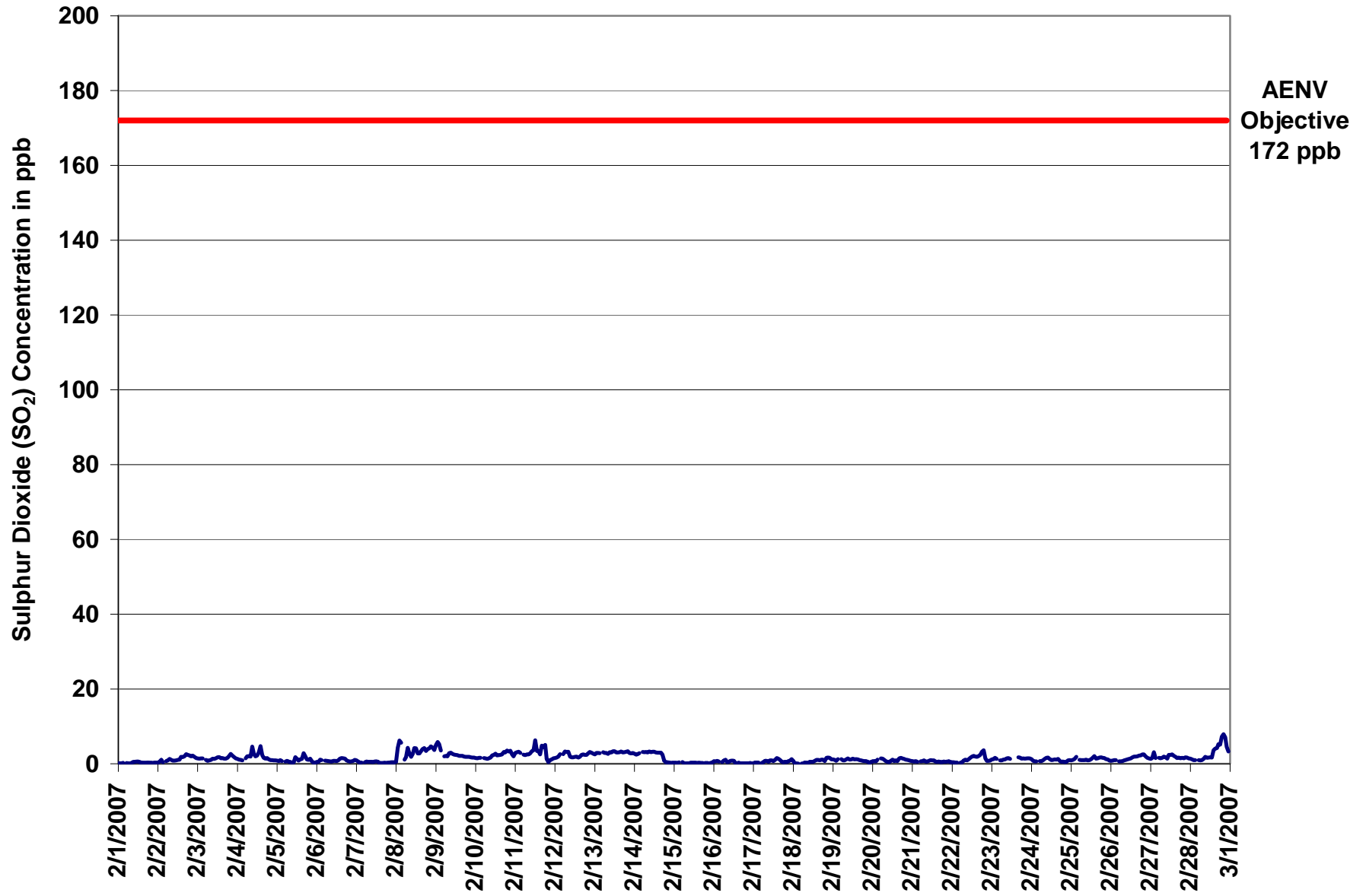


Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

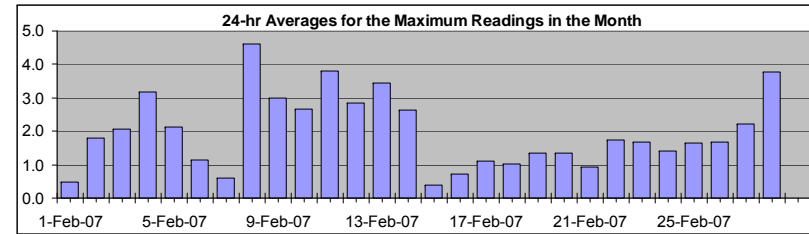
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	16.4	ppb	4-Feb	9:00 10:00
Maximum 24-hr Value:	4.6	ppb	8-Feb	



AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	7.9	5.2	2.6	1.6	0.9	0.3	0.2	2.0 ppb	1.6 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	0	0	0	1	A	0	1	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0	1	0.5	0.7
2-Feb-07	0	2	2	1	A	1	1	2	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2	2	1.8	3.1
3-Feb-07	2	2	2	2	A	2	1	1	1	2	2	2	2	2	2	2	2	2	3	4	3	2	2	2.1	4.1	
4-Feb-07	2	2	1	1	A	2	3	2	6	16	7	3	2	5	6	3	2	2	1	1	1	1	1	3.2	16.4	
5-Feb-07	1	1	1	1	A	1	1	1	1	0	1	6	4	1	1	1	10	9	2	1	2	1	0	0	2.1	10.2
6-Feb-07	1	1	2	1	A	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1.1	2.1
7-Feb-07	1	1	1	0	A	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	0.6	1.1
8-Feb-07	1	8	8	7	A	3	4	6	4	3	3	5	5	3	3	4	4	6	4	5	5	5	4	4.6	8.0	
9-Feb-07	6	6	7	4	A	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3.0	6.7	
10-Feb-07	2	2	2	2	A	2	2	2	2	2	3	3	3	2	3	3	3	3	3	4	4	4	3	2.7	4.4	
11-Feb-07	3	4	4	3	A	3	3	3	3	3	4	6	7	5	5	4	6	5	7	5	1	1	1	2	3.8	7.2
12-Feb-07	2	2	3	3	A	3	5	4	4	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2.8	5.2	
13-Feb-07	3	3	3	3	A	4	3	3	3	4	3	4	4	3	3	4	4	3	4	4	4	3	3	3.5	4.4	
14-Feb-07	3	3	3	3	A	3	3	4	3	4	4	4	4	3	3	3	3	3	2	1	1	0	0	2.6	3.8	
15-Feb-07	0	0	0	1	A	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0.4	0.7	
16-Feb-07	1	1	1	1	A	1	2	2	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0.7	1.9	
17-Feb-07	0	0	0	0	A	0	1	2	1	1	2	1	1	1	2	2	2	1	1	2	1	1	1	1.1	2.0	
18-Feb-07	1	0	0	0	A	0	0	1	0	0	1	1	1	1	1	1	1	2	2	1	2	2	3	1.0	2.5	
19-Feb-07	2	1	1	2	A	2	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1.3	2.2
20-Feb-07	1	1	1	2	A	2	2	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1.3	2.0	
21-Feb-07	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	1.5	
22-Feb-07	1	1	0	1	A	1	1	1	1	1	2	2	2	2	2	2	2	3	4	4	3	1	1	1	1.7	4.3
23-Feb-07	1	1	2	2	A	1	1	2	1	2	2	2	C	C	C	A	2	2	2	2	2	2	2	1.7	2.4	
24-Feb-07	1	1	1	1	A	1	1	2	3	3	3	2	1	1	1	1	2	1	1	1	1	1	1	1.4	3.3	
25-Feb-07	1	1	2	4	A	2	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	1	1	1.7	3.5	
26-Feb-07	1	1	1	1	A	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	1.7	2.8	
27-Feb-07	1	3	4	2	A	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2.2	4.4	
28-Feb-07	2	1	1	1	A	1	1	1	2	3	2	2	2	2	6	6	5	6	6	9	9	8	6	3.8	8.8	
Hourly Avg	1.5	1.8	2.0	1.8	N	1.5	1.7	1.8	1.9	2.3	1.9	2.2	2.2	2.0	2.2	2.1	2.5	2.5	2.1	2.2	2.1	1.9	1.7	1.6		
Hourly Max	6.2	7.6	8.0	7.0	0.0	3.6	5.2	6.2	6.3	16.4	6.5	6.1	7.2	5.4	6.2	6.0	10.2	8.8	6.7	8.7	8.8	8.2	5.5	4.8		

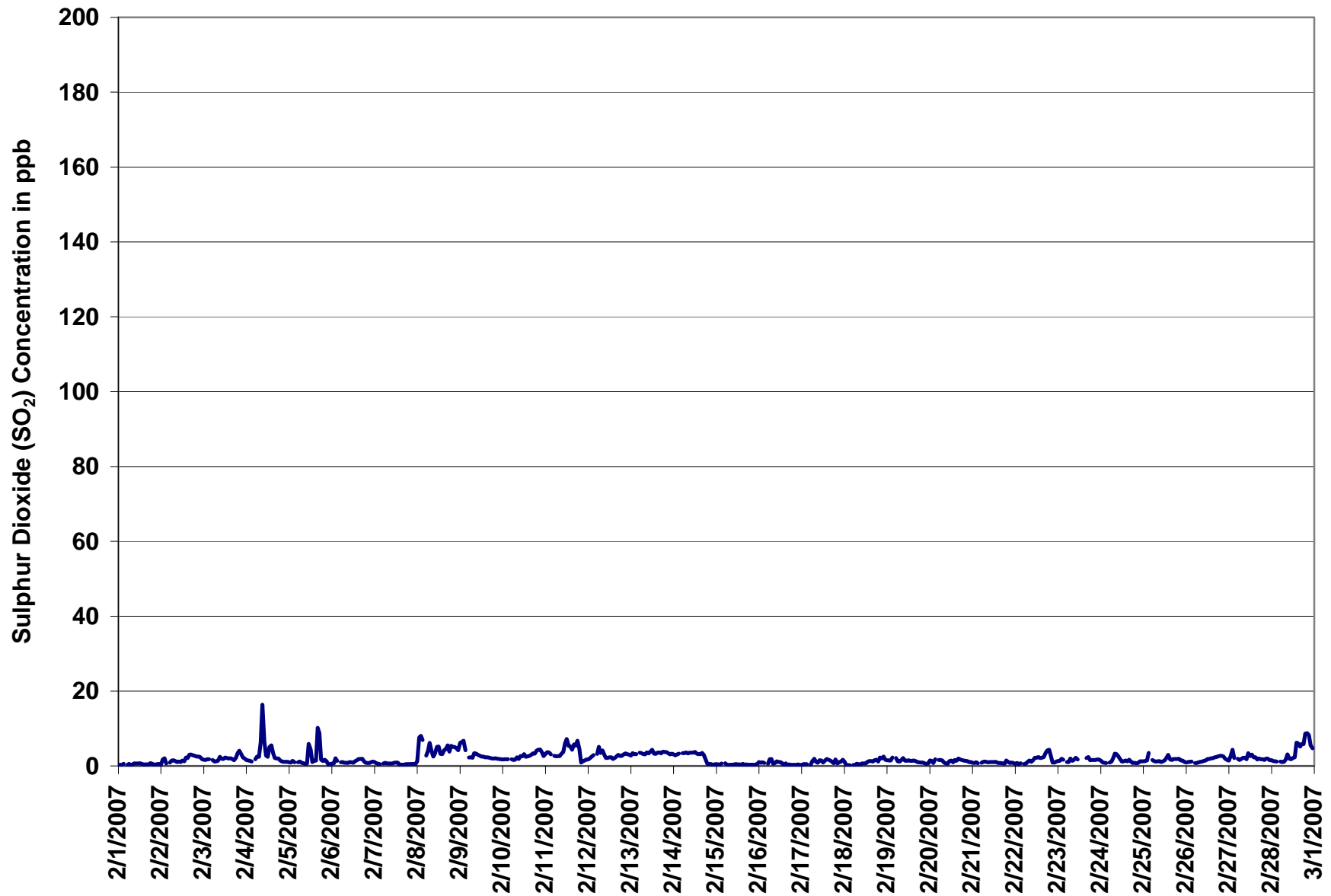
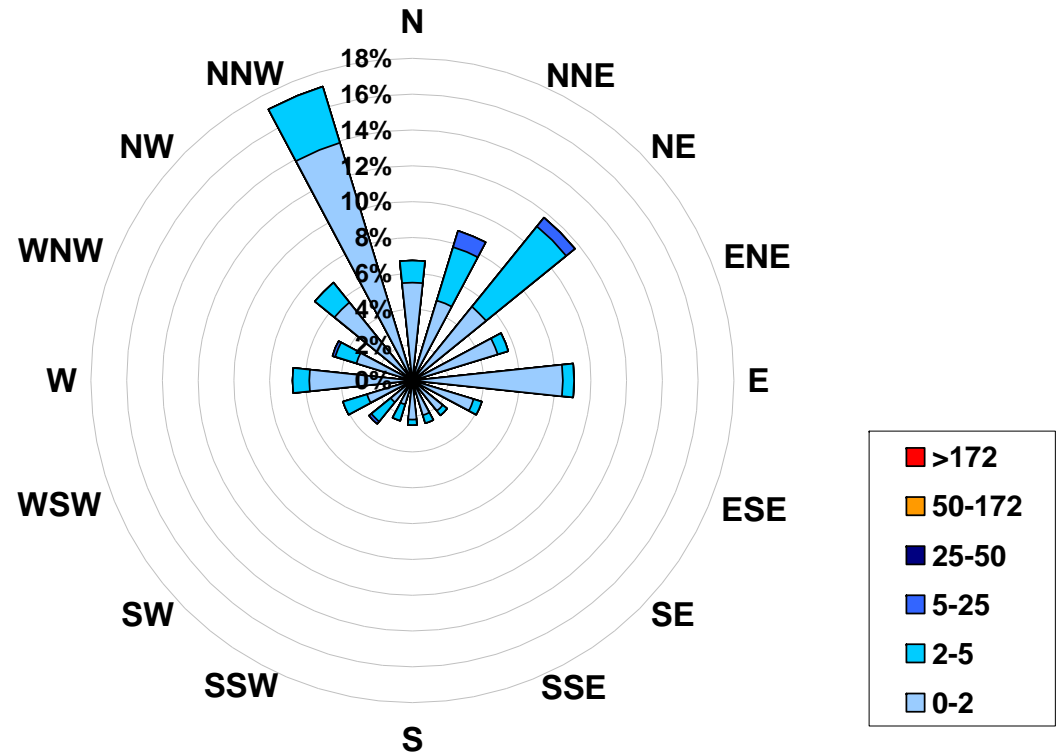


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 1%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	< 2		473
2	to 5		155
5	to 25		12
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			640

PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

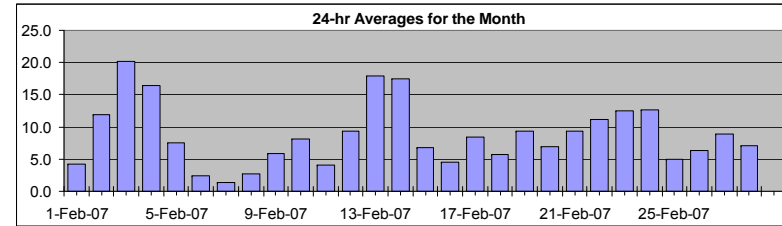
Monitoring Dates: February 1, 2007 to March 1, 2007

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:	34.0	ppb	3-Feb	18:00 19:00
Maximum 24-hr Average:	20.2	ppb	3-Feb	

AIC Time:	29 hrs		Operational Time:	640 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	29.8	22.9	12.1	6.8	3.3	1.6	1.0	8.7 ppb	6.8 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-Feb-07	2	1	1	1	A	1	4	6	3	2	5	3	3	4	4	4	5	8	12	11	5	4	7	5	4.3	11.6
2-Feb-07	2	4	2	3	A	3	2	3	6	19	9	9	12	13	10	14	16	20	27	20	19	19	23	18	11.9	27.4
3-Feb-07	23	19	12	11	A	15	17	16	13	19	15	12	14	17	16	20	23	25	34	31	30	26	29	28	20.2	34.0
4-Feb-07	25	24	25	26	A	18	19	22	14	9	6	11	12	13	16	17	14	20	17	16	16	11	12	15	16.4	26.4
5-Feb-07	20	13	9	8	A	9	13	12	9	9	10	7	6	5	3	3	5	6	6	4	5	3	2	3	7.5	19.8
6-Feb-07	3	3	3	2	A	2	6	3	4	3	2	3	2	2	2	2	2	2	2	2	2	1	1	1	2.3	6.4
7-Feb-07	1	2	1	1	A	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1.4	2.0
8-Feb-07	2	2	3	3	A	2	2	5	3	2	2	2	2	2	2	3	3	4	4	3	3	3	3	3	2.7	5.0
9-Feb-07	4	4	4	2	A	2	2	5	6	7	9	12	5	4	3	3	4	6	7	8	8	8	9	13	5.9	13.0
10-Feb-07	10	9	8	7	A	9	15	11	13	8	5	7	5	6	6	8	5	7	7	6	7	10	10	7	8.1	15.3
11-Feb-07	7	7	7	8	A	6	6	6	6	5	4	4	3	3	2	2	2	3	3	2	2	2	2	2	4.1	8.0
12-Feb-07	2	2	2	2	A	3	5	10	30	14	7	7	8	8	5	6	5	21	17	16	11	12	9	9	9.3	30.1
13-Feb-07	9	12	9	11	A	11	11	14	19	20	11	11	16	12	14	17	22	25	29	29	24	28	29	27	17.9	29.4
14-Feb-07	29	33	30	25	A	19	24	30	26	19	17	17	16	14	15	17	16	20	13	6	5	4	4	3	17.5	33.1
15-Feb-07	2	2	2	2	A	2	3	4	6	5	3	4	4	4	4	6	4	12	11	18	19	13	12	9	6.7	19.5
16-Feb-07	4	5	4	7	A	7	5	6	12	9	7	11	6	3	1	1	1	2	2	2	1	1	4	4	4.5	12.0
17-Feb-07	5	4	4	4	A	2	2	2	3	3	4	5	5	5	8	11	17	13	11	23	25	10	13	14	8.5	25.0
18-Feb-07	14	2	1	1	A	3	3	2	2	2	1	2	2	2	2	3	3	4	14	16	12	14	13	15	5.8	15.5
19-Feb-07	16	11	7	5	A	8	11	11	8	12	10	5	8	5	5	8	8	8	12	14	16	9	10	10	9.4	16.5
20-Feb-07	13	5	4	5	A	6	6	7	5	5	2	2	C	C	C	A	3	3	5	7	13	12	15	14	7.0	15.5
21-Feb-07	11	10	10	15	A	11	14	3	3	2	4	5	2	2	1	2	4	10	11	20	24	14	21	17	9.4	24.3
22-Feb-07	10	12	15	10	A	12	8	10	14	11	10	10	13	7	5	7	10	15	13	14	11	15	17	10	11.2	16.5
23-Feb-07	8	9	8	8	A	11	13	21	15	8	7	6	9	8	6	8	11	17	14	12	27	21	22	18	12.5	26.7
24-Feb-07	19	21	19	13	A	9	10	18	23	27	21	14	8	9	14	13	17	12	6	4	4	3	3	3	12.6	27.3
25-Feb-07	4	4	4	4	A	5	6	6	4	3	3	2	2	3	4	3	4	6	11	12	7	6	6	5	5.0	11.7
26-Feb-07	5	5	5	4	A	11	9	6	7	6	7	5	5	5	6	6	7	8	7	7	7	6	6	6	6.3	11.0
27-Feb-07	9	7	6	17	A	16	13	12	9	8	7	6	6	6	6	6	7	8	9	10	11	9	8	8	8.8	16.8
28-Feb-07	10	7	9	8	A	8	7	9	12	7	5	4	2	2	2	4	5	11	14	7	7	8	9	9	7.1	13.5
Hourly Avg	9.7	8.5	7.6	7.6	N	7.6	8.5	9.4	9.9	8.8	7.0	6.7	6.5	6.1	6.1	7.2	8.0	10.6	11.4	11.5	11.6	9.8	10.7	9.9		
Hourly Max	29.1	33.1	30.2	26.4	0.0	19.0	23.7	30.3	30.1	27.3	20.8	16.9	16.4	17.2	16.0	20.3	22.6	25.4	34.0	31.3	30.0	27.9	29.4	28.4		

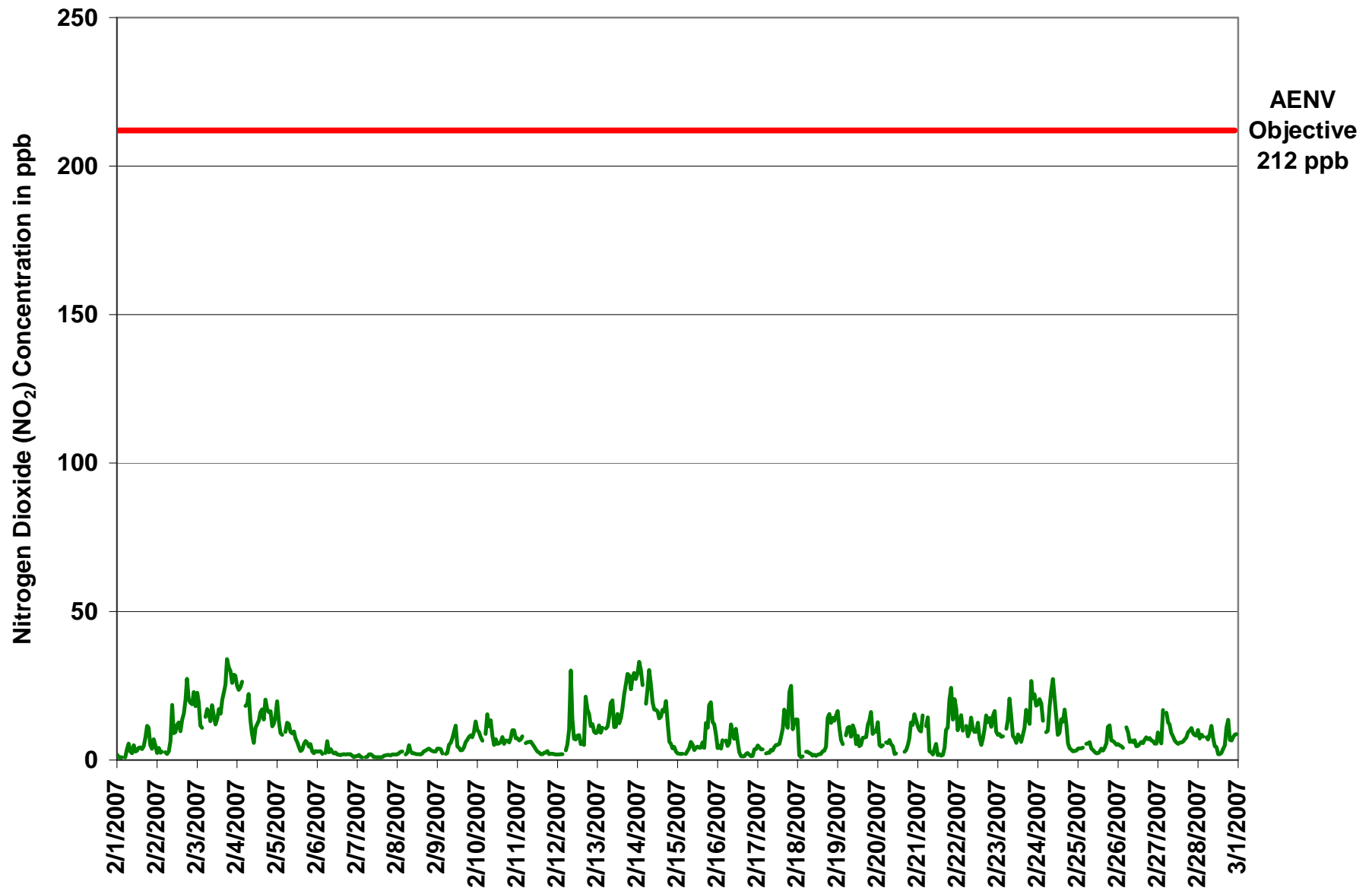


Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

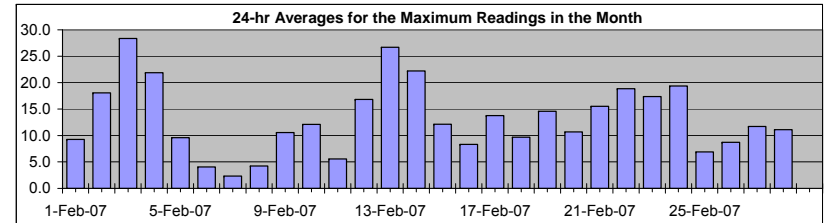
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	53.7	ppb	13-Feb	9:00 10:00
Maximum 24-hr Value:	28.3	ppb	3-Feb	



AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	40.6	33.7	18.9	9.8	5.0	2.5	1.9	13.2 ppb	9.8 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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-hour Average	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-Feb-07	4	2	1	1	A	2	6	8	5	3	15	4	8	6	7	6	9	16	30	37	8	6	19	14	9.3	37.0
2-Feb-07	5	9	4	4	A	4	3	8	20	32	18	13	21	18	12	19	22	26	34	25	31	30	30	28	18.1	34.2
3-Feb-07	27	29	18	14	A	31	28	23	30	33	28	19	22	23	23	28	27	34	42	34	35	34	38	35	28.3	42.0
4-Feb-07	33	26	30	30	A	24	31	32	22	11	11	14	17	15	19	19	17	32	21	29	26	13	16	18	21.9	32.6
5-Feb-07	28	15	13	10	A	12	17	15	11	10	12	10	7	7	4	4	7	8	8	5	9	4	3	5	9.6	27.9
6-Feb-07	4	4	4	4	A	3	14	5	9	4	3	3	3	3	3	3	4	3	3	4	6	4	2	2	4.0	13.5
7-Feb-07	2	2	2	2	A	2	2	4	5	3	3	3	1	2	1	2	3	2	4	2	2	2	2	2	2.3	4.6
8-Feb-07	2	3	3	3	A	3	8	10	4	7	4	3	3	3	2	3	5	5	5	5	6	5	4	4	4.2	9.6
9-Feb-07	5	5	6	3	A	4	5	13	14	34	25	20	7	5	4	4	7	9	9	10	10	12	16	17	10.5	34.4
10-Feb-07	17	11	10	9	A	12	24	23	39	13	7	10	8	6	7	10	6	8	8	8	9	14	13	9	12.1	39.3
11-Feb-07	9	8	8	10	A	6	7	7	7	6	5	4	3	3	3	3	6	5	6	3	11	4	3	3	5.6	10.5
12-Feb-07	2	2	4	3	A	4	16	22	51	37	15	16	15	15	9	10	10	37	28	24	19	20	18	11	16.8	50.7
13-Feb-07	25	29	11	27	A	13	13	18	28	54	20	22	21	16	17	26	27	32	40	39	36	36	35	34	26.7	53.7
14-Feb-07	38	37	35	30	A	28	26	35	34	22	21	21	20	16	18	20	21	24	25	10	11	8	8	5	22.2	37.6
15-Feb-07	4	3	4	4	A	4	7	8	10	12	6	6	7	6	8	22	12	22	15	27	28	26	26	15	12.1	27.7
16-Feb-07	7	10	7	10	A	10	11	9	19	14	12	16	10	7	3	3	4	5	5	5	6	4	11	6	8.3	18.8
17-Feb-07	12	6	6	5	A	4	4	4	5	4	6	6	9	7	12	17	34	27	19	45	36	14	18	20	13.8	45.0
18-Feb-07	25	5	2	2	A	8	7	4	3	2	2	2	3	3	4	8	8	10	22	23	21	17	23	19	9.7	24.6
19-Feb-07	24	18	9	9	A	13	13	20	13	29	15	8	13	6	8	10	10	9	22	21	25	13	15	13	14.6	28.9
20-Feb-07	19	7	6	6	A	9	8	8	9	8	3	4	C	C	C	A	4	6	8	10	23	20	31	17	10.7	30.6
21-Feb-07	15	13	13	21	A	19	22	8	4	3	5	8	2	3	2	4	8	14	20	42	41	26	34	31	15.5	41.9
22-Feb-07	17	33	31	28	A	17	11	30	22	15	14	14	18	9	7	16	17	20	15	15	14	29	31	12	18.9	32.5
23-Feb-07	10	11	9	9	A	16	19	36	19	11	17	11	14	12	7	10	13	32	19	16	33	31	25	22	17.4	35.7
24-Feb-07	22	22	22	19	A	12	35	42	40	39	30	24	11	15	24	15	23	21	7	5	6	3	4	5	19.4	42.4
25-Feb-07	5	4	4	5	A	9	9	11	5	4	3	3	3	4	4	4	6	9	13	21	12	8	7	6	6.9	21.3
26-Feb-07	7	6	5	5	A	16	17	9	9	7	13	6	6	6	7	7	8	11	15	12	9	8	7	7	8.7	16.9
27-Feb-07	24	12	9	24	A	24	15	15	11	9	8	7	7	7	7	7	8	8	12	13	12	11	10	11	11.7	24.3
28-Feb-07	15	9	10	10	A	9	9	11	15	18	9	6	3	3	4	7	9	19	27	9	10	10	19	17	11.1	27.0
Hourly Avg	14.4	12.0	10.2	10.9	N	11.3	13.7	15.6	16.5	15.8	11.7	10.1	9.6	8.2	8.4	10.6	11.8	16.1	17.1	17.7	17.5	14.6	16.6	13.7		
Hourly Max	37.6	36.6	35.2	30.1	0.0	30.7	34.8	42.4	50.7	53.7	29.7	23.6	21.7	22.6	24.0	27.6	33.6	37.1	42.0	45.0	40.7	36.0	37.9	35.3		

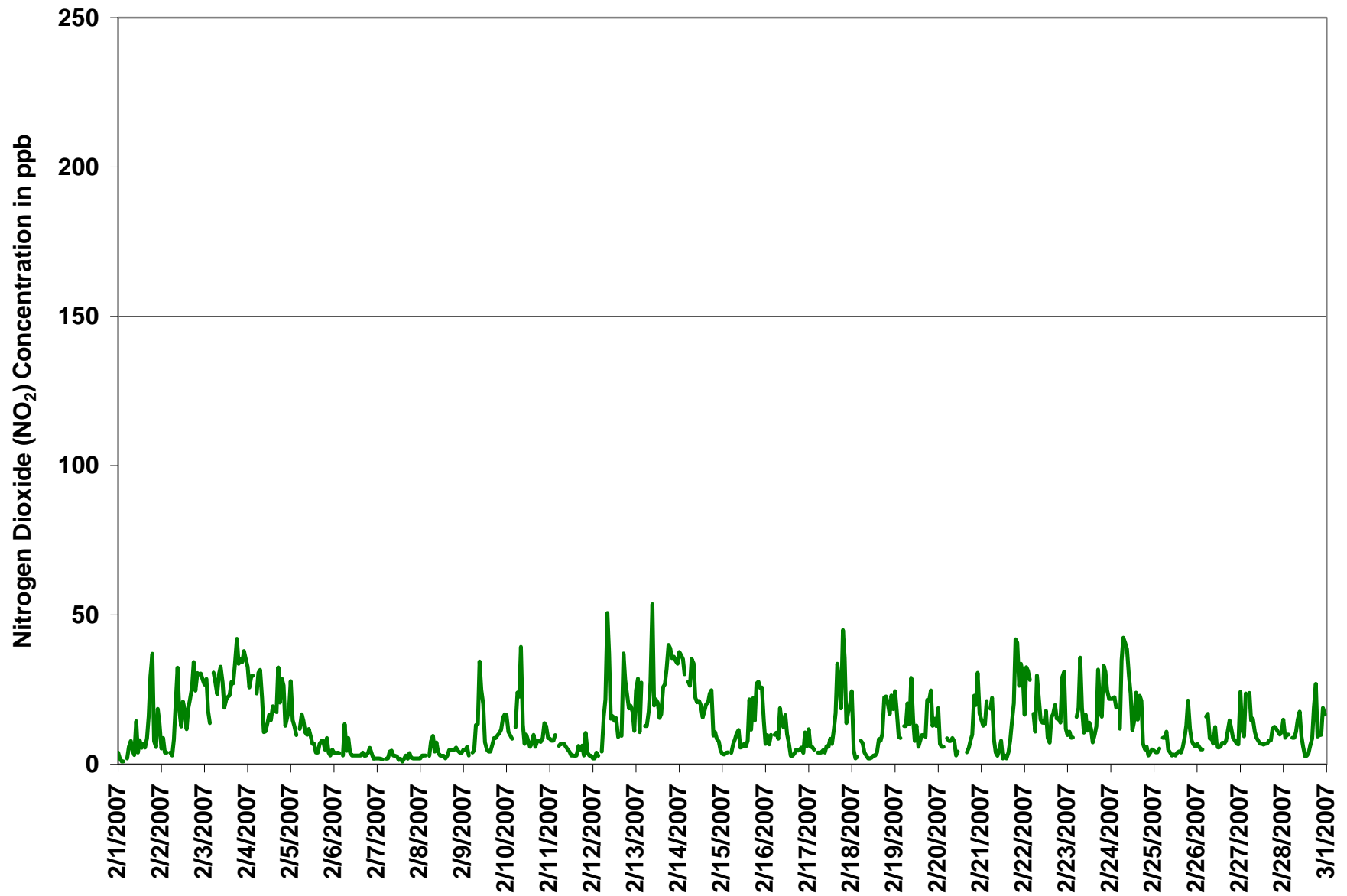
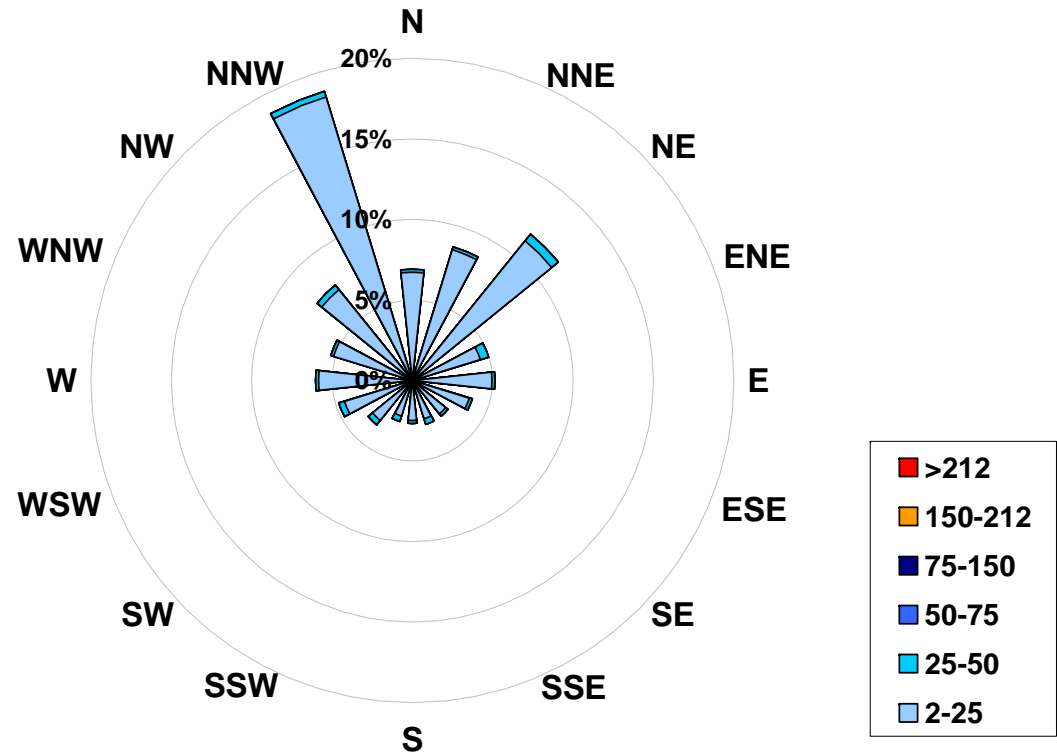


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 1%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		636
25	to 50		4
50	to 75		0
75	to 150		0
150	to 212		0
	> 212		0
Total Non-Zero Values			640

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

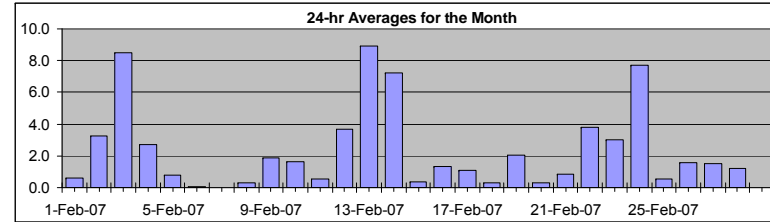
Nitric Oxide (NO)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	39.3	ppb	24-Feb	10:00 11:00
Maximum 24-hr Average:	8.9	ppb	13-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	22.3	13.0	2.1	0.0	0.0	0.0	0.0	2.4 ppb	0.0 ppb



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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start	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-Feb-07	0	0	0	0	A	0	0	0	0	0	2	1	2	3	3	1	1	0	0	0	0	0	0	0	0	0.6	3.0
2-Feb-07	0	0	0	0	A	0	0	0	0	6	5	8	15	14	8	10	5	2	1	0	0	0	0	0	0	3.2	15.4
3-Feb-07	0	1	0	0	A	1	0	0	1	19	17	14	20	28	19	18	13	4	16	2	6	1	7	8	8.5	28.0	
4-Feb-07	2	0	0	0	A	0	0	2	0	1	1	8	11	12	12	9	2	2	0	0	0	0	0	0	2.7	12.3	
5-Feb-07	0	0	0	0	A	0	0	0	0	1	4	4	4	2	1	1	1	0	0	0	0	0	0	0	0.8	4.0	
6-Feb-07	0	0	0	0	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9	
7-Feb-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	
8-Feb-07	0	0	0	0	A	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0.3	1.0	
9-Feb-07	0	0	0	0	A	0	0	0	0	6	11	14	4	3	2	1	1	0	0	0	0	0	0	0	1.9	13.8	
10-Feb-07	0	0	0	0	A	0	0	0	2	3	3	8	5	5	4	4	1	0	0	0	0	0	0	0	1.6	8.4	
11-Feb-07	0	0	0	0	A	0	0	0	0	2	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0.5	2.7	
12-Feb-07	0	0	0	0	A	0	0	0	19	7	5	8	12	12	6	5	2	8	0	0	0	0	0	0	3.7	18.9	
13-Feb-07	0	0	0	0	A	0	0	0	3	23	13	18	31	20	21	21	18	11	6	6	4	4	3	2	8.9	30.5	
14-Feb-07	10	15	6	0	A	0	0	7	6	11	14	15	17	12	12	14	16	8	1	0	0	0	0	0	7.2	17.2	
15-Feb-07	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.3	1.4	
16-Feb-07	0	0	0	0	A	0	0	0	2	3	5	12	7	1	0	0	0	0	0	0	0	0	0	0	1.3	11.6	
17-Feb-07	0	0	0	0	A	0	0	0	0	0	1	1	2	2	3	5	8	2	0	3	0	0	0	0	1.1	8.0	
18-Feb-07	0	0	0	0	A	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0.3	1.4	
19-Feb-07	0	0	0	0	A	0	0	0	0	9	8	4	9	4	3	5	3	1	0	0	0	0	0	0	2.1	9.5	
20-Feb-07	0	0	0	0	A	0	0	0	0	2	1	2	C	C	C	A	1	0	0	0	0	0	0	0	0.3	1.7	
21-Feb-07	0	0	0	0	A	0	0	0	0	0	2	4	1	1	1	1	1	2	0	4	2	0	1	0	0.9	4.2	
22-Feb-07	0	0	1	0	A	0	0	0	3	6	10	13	22	10	5	6	6	5	0	0	0	0	1	0	3.8	22.5	
23-Feb-07	0	0	0	0	A	0	0	4	3	5	7	7	12	9	5	6	5	5	0	0	1	0	0	0	3.0	11.7	
24-Feb-07	0	0	0	0	A	0	0	6	23	37	39	22	8	8	13	9	9	2	0	0	0	0	0	0	7.7	39.3	
25-Feb-07	0	0	0	0	A	0	0	0	0	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	0.6	2.4	
26-Feb-07	0	0	0	0	A	0	0	0	1	3	6	4	5	5	5	4	3	2	0	0	0	0	0	0	1.6	6.0	
27-Feb-07	0	0	0	0	A	0	0	0	1	3	3	4	5	5	5	4	3	2	0	0	0	0	0	0	1.5	5.4	
28-Feb-07	0	0	0	0	A	0	0	0	3	5	4	5	1	1	1	2	2	3	1	0	0	0	0	0	1.2	4.9	
Hourly Avg	0.5	0.6	0.3	0.0	N	0.0	0.1	0.7	2.4	5.4	6.0	6.5	7.4	6.1	5.0	4.9	3.8	2.2	1.0	0.6	0.4	0.2	0.4	0.4			
Hourly Max	10.5	14.6	6.5	0.5	0.0	0.9	0.4	7.2	23.5	36.5	39.3	22.0	30.5	28.0	20.7	21.3	18.4	11.2	16.3	6.0	5.6	4.2	6.8	7.6			

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

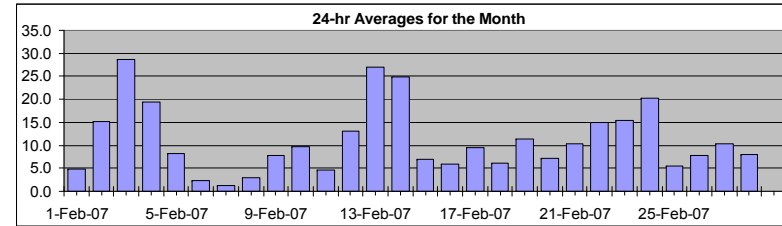
Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Maximum 1-hr Average:	63.6	ppb	24-Feb	9:00 10:00
Maximum 24-hr Average:	28.8	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	45.8	32.5	14.4	8.2	3.7	1.5	0.9	11.1 ppb	8.2 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		
1-Feb-07	2	1	1	1	A	1	4	5	3	2	7	4	5	7	7	5	5	8	12	11	5	4	7	5	4.8	12.0
2-Feb-07	2	4	2	3	A	3	2	3	6	25	14	17	27	27	17	24	21	22	28	20	19	19	23	18	15.1	28.2
3-Feb-07	23	21	12	11	A	16	18	16	14	37	32	26	34	45	35	39	36	30	50	33	36	27	36	36	28.8	50.5
4-Feb-07	27	24	25	27	A	18	19	24	14	10	7	19	23	25	28	26	16	22	17	16	17	11	12	15	19.3	28.4
5-Feb-07	20	13	9	8	A	9	13	12	10	10	14	11	10	7	4	4	6	7	6	4	5	3	2	3	8.3	20.3
6-Feb-07	2	3	3	2	A	2	6	2	4	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	2.4	6.3
7-Feb-07	1	1	1	1	A	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1.2	1.9
8-Feb-07	2	2	2	3	A	2	3	5	3	3	3	3	3	3	2	3	4	3	3	4	3	3	3	3	2.9	5.5
9-Feb-07	4	4	4	2	A	2	2	5	6	14	21	26	8	7	5	5	6	7	8	8	8	9	13	7.8	25.5	
10-Feb-07	10	9	8	6	A	9	16	12	16	11	8	16	11	11	10	12	7	7	6	6	7	10	10	7	9.7	16.0
11-Feb-07	7	7	7	8	A	6	6	6	7	7	7	6	5	4	3	3	3	2	3	2	2	2	2	2	4.6	8.0
12-Feb-07	2	2	2	2	A	3	5	10	49	21	13	15	20	21	11	11	7	30	18	16	11	12	9	9	13.0	49.2
13-Feb-07	9	12	9	11	A	11	11	14	22	43	25	30	46	33	35	39	41	37	35	35	28	32	32	30	26.9	46.2
14-Feb-07	40	48	37	26	A	19	24	38	32	31	31	32	34	26	27	31	33	28	14	6	5	4	4	3	24.9	47.9
15-Feb-07	2	2	2	2	A	2	3	4	6	6	4	5	6	5	5	8	4	13	11	18	20	13	12	9	7.1	19.6
16-Feb-07	4	5	4	7	A	7	5	6	14	13	12	22	14	4	2	1	1	2	2	2	1	1	3	4	5.9	22.2
17-Feb-07	5	4	3	4	A	2	2	2	3	3	5	6	7	7	11	15	25	15	11	26	26	10	13	14	9.6	25.8
18-Feb-07	14	1	1	1	A	3	3	2	2	2	2	2	3	3	3	4	4	5	14	16	12	14	13	15	6.1	15.5
19-Feb-07	16	11	7	5	A	8	11	11	9	21	19	9	18	9	9	12	10	9	12	13	16	9	10	9	11.4	21.4
20-Feb-07	13	5	4	5	A	6	6	7	6	6	3	4	C	C	C	A	4	4	5	7	13	12	16	13	7.3	15.6
21-Feb-07	11	10	9	15	A	11	14	3	3	2	5	10	2	3	2	3	5	12	11	24	26	14	22	17	10.2	25.8
22-Feb-07	10	12	15	10	A	11	8	10	17	17	19	23	35	17	10	13	16	20	13	14	11	15	17	9	14.9	35.0
23-Feb-07	8	9	8	8	A	10	13	25	18	13	14	12	20	17	11	14	16	22	14	12	28	21	22	18	15.4	27.6
24-Feb-07	18	20	19	13	A	9	10	23	47	64	60	36	17	17	27	22	26	14	5	4	3	3	3	3	20.2	63.6
25-Feb-07	4	4	4	4	A	5	5	6	4	4	3	3	4	5	6	5	6	7	11	12	6	6	6	5	5.5	11.8
26-Feb-07	5	5	4	4	A	11	9	6	7	9	13	9	9	10	11	10	9	9	7	7	6	6	5	5	7.8	12.9
27-Feb-07	9	7	5	17	A	16	13	12	10	10	10	10	10	11	11	10	10	9	10	10	11	9	8	8	10.3	16.6
28-Feb-07	10	7	8	8	A	8	7	9	15	12	9	9	3	3	3	6	7	14	14	7	7	8	8	6	8.1	14.6
Hourly Avg	10.0	9.0	7.7	7.6	N	7.5	8.5	10.1	12.4	14.3	13.0	13.3	14.0	12.3	11.1	12.1	11.8	12.9	12.3	12.0	12.0	9.9	11.1	10.1		
Hourly Max	39.9	47.9	36.8	27.0	0.0	19.3	23.8	37.7	49.2	63.6	59.9	36.3	46.2	45.3	35.1	38.9	40.5	36.9	50.5	34.7	35.8	32.3	35.9	36.1		

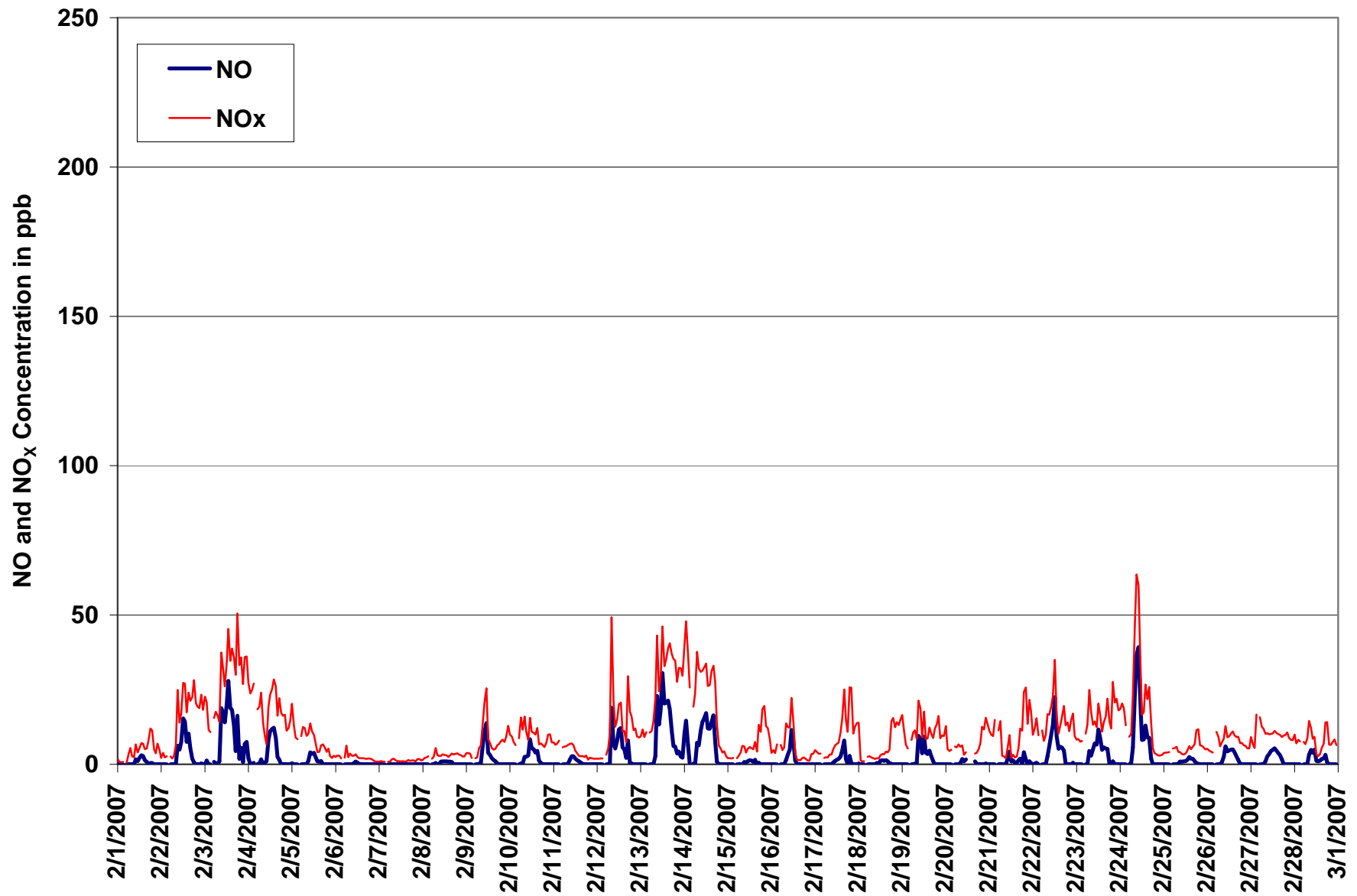


Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

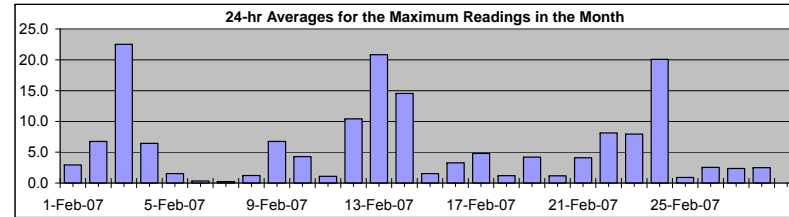
Nitric Oxide (NO)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	92.7	ppb	24-Feb	8:00 9:00
Maximum 24-hr Value:	22.5	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	52.7	29.6	5.9	1.0	0.0	0.0	0.0	5.9 ppb	1.0 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	0	0	0	0	A	0	0	0	0	0	8	2	6	4	6	4	3	4	20	12	0	0	0	0	2.9	20.0	
2-Feb-07	0	0	0	0	A	0	0	0	2	20	14	12	31	20	10	15	12	6	6	0	2	1	5	1	6.8	31.1	
3-Feb-07	0	8	1	0	A	14	8	4	23	68	52	29	39	43	29	32	31	10	37	8	27	7	28	21	22.5	68.5	
4-Feb-07	20	0	3	7	A	1	8	9	2	2	6	10	20	14	15	12	6	10	1	3	1	0	0	0	6.5	19.9	
5-Feb-07	3	0	0	0	A	0	0	1	0	3	8	5	5	5	2	1	2	1	0	0	0	0	0	0	1.5	7.8	
6-Feb-07	0	0	0	0	A	0	0	1	0	0	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0.3	2.0	
7-Feb-07	0	0	0	0	A	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.2	0.9	
8-Feb-07	0	0	0	0	A	0	2	5	1	7	2	2	2	2	1	1	2	1	1	1	1	0	0	0	1.2	6.5	
9-Feb-07	0	0	0	0	A	1	1	3	4	53	43	33	6	5	3	2	1	1	0	0	0	0	0	0	6.8	52.5	
10-Feb-07	0	0	0	0	A	0	2	9	31	6	4	16	9	6	4	7	2	2	0	0	0	0	0	0	4.3	31.5	
11-Feb-07	0	0	1	0	A	0	0	0	1	2	3	3	2	2	2	2	2	1	1	0	4	0	0	0	1.1	4.5	
12-Feb-07	0	0	1	0	A	0	0	0	57	30	15	24	23	27	12	9	7	25	2	7	2	0	1	0	10.4	56.9	
13-Feb-07	1	2	0	1	A	0	0	1	6	72	29	50	44	28	29	32	29	22	31	29	18	32	12	15	20.8	72.4	
14-Feb-07	35	32	20	2	A	5	0	21	17	20	20	23	26	14	17	19	36	20	6	1	0	1	0	0	14.5	36.4	
15-Feb-07	0	0	0	0	A	0	1	0	1	3	2	2	3	3	3	12	1	3	0	0	1	0	1	0	1.5	12.2	
16-Feb-07	0	0	0	0	A	0	2	1	5	8	11	21	14	7	2	1	1	1	0	1	0	1	0	0	3.3	20.8	
17-Feb-07	0	0	0	0	A	0	0	0	0	0	2	2	4	2	6	8	26	11	1	41	6	0	0	2	4.8	41.2	
18-Feb-07	2	0	0	0	A	0	0	0	0	1	1	1	2	2	3	5	4	3	2	0	1	0	0	1	1.2	4.6	
19-Feb-07	0	0	0	0	A	0	0	5	1	32	13	6	14	6	6	7	4	2	0	0	1	0	0	0	4.2	32.0	
20-Feb-07	0	0	0	0	A	0	0	0	2	6	2	4	C	C	C	A	2	1	0	0	1	0	3	2	1.2	5.6	
21-Feb-07	0	1	1	0	A	0	1	0	0	0	3	6	1	2	1	2	3	4	4	33	15	1	10	6	4.1	32.9	
22-Feb-07	0	4	3	1	A	0	1	10	7	8	19	21	39	13	8	18	14	12	2	0	1	2	5	0	8.1	38.8	
23-Feb-07	0	0	0	0	A	0	0	37	5	9	18	18	22	17	8	8	7	27	2	1	3	2	0	1	8.0	37.0	
24-Feb-07	0	0	0	0	A	0	21	50	93	88	72	53	12	15	23	11	18	6	0	0	0	0	0	0	20.1	92.7	
25-Feb-07	0	0	0	0	A	0	0	0	1	1	1	2	2	2	3	3	2	2	1	1	0	0	0	0	0.9	3.0	
26-Feb-07	0	0	0	0	A	0	0	1	2	4	14	6	6	5	6	6	4	2	3	0	0	0	0	0	2.5	14.4	
27-Feb-07	2	0	0	1	A	0	1	2	2	3	5	5	6	6	6	5	4	3	1	1	1	1	0	0	2.4	6.0	
28-Feb-07	0	0	0	0	A	0	0	1	5	9	11	7	2	1	2	4	4	8	4	0	0	0	0	0	2.5	10.6	
Hourly Avg	2.2	1.7	1.1	0.4	N	0.7	1.7	5.8	9.5	16.2	13.5	13.0	12.6	9.3	7.7	8.3	8.1	6.6	4.4	4.9	3.0	1.7	2.3	1.7			
Hourly Max	34.7	32.2	19.9	6.8	0.0	13.6	20.8	49.5	92.7	88.5	72.2	52.9	44.3	42.9	28.9	31.6	36.4	26.8	36.6	41.2	27.1	31.8	27.7	20.9			

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

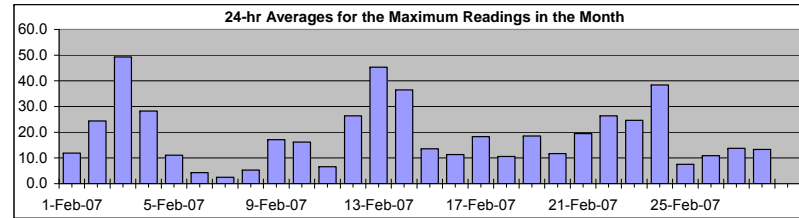
Oxides of Nitrogen (NO_x)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	130.1	ppb	24-Feb	8:00 9:00
Maximum 24-hr Value:	49.3	ppb	3-Feb	

AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	88.0	56.6	24.8	11.9	5.9	2.9	1.4	18.7 ppb	11.9 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-Feb-07	4	2	1	1	A	1	6	8	4	4	22	6	13	10	12	9	11	20	47	47	8	6	19	14	11.9	46.9
2-Feb-07	5	9	4	4	A	4	3	8	22	51	33	24	52	36	21	34	30	30	41	25	33	31	33	29	24.4	52.3
3-Feb-07	27	35	19	14	A	44	34	26	44	101	75	48	61	65	52	56	58	42	72	42	60	40	62	57	49.3	101.1
4-Feb-07	51	26	33	36	A	25	39	41	24	12	17	23	37	29	36	32	22	42	21	32	28	13	16	18	28.2	51.2
5-Feb-07	30	15	13	10	A	12	18	15	11	12	20	15	12	11	7	5	9	9	8	5	9	4	3	5	11.1	30.0
6-Feb-07	4	3	3	3	A	3	13	5	9	4	4	5	4	5	4	4	5	3	3	4	6	3	1	2	4.3	13.2
7-Feb-07	1	2	1	1	A	2	2	5	5	3	3	3	2	2	2	2	3	2	4	3	2	2	2	2	2.4	5.3
8-Feb-07	2	3	3	3	A	3	9	13	5	14	5	5	5	4	3	4	7	5	6	6	7	5	4	4	5.3	13.5
9-Feb-07	5	4	6	3	A	5	5	15	16	87	68	53	13	10	8	7	8	10	9	10	10	12	16	17	17.1	87.1
10-Feb-07	16	11	10	8	A	13	26	31	69	18	11	25	16	12	11	17	8	10	8	8	9	14	14	9	16.2	68.7
11-Feb-07	8	8	8	10	A	6	7	7	8	8	9	7	6	5	4	4	8	6	7	3	15	4	3	3	6.6	15.3
12-Feb-07	2	2	5	3	A	4	16	22	102	64	29	39	37	41	19	20	15	60	30	28	19	20	18	11	26.4	101.7
13-Feb-07	26	31	11	28	A	13	13	18	32	93	49	71	65	43	46	54	55	53	70	68	50	59	46	49	45.3	93.4
14-Feb-07	72	69	55	33	A	34	27	56	50	42	41	45	46	30	35	38	53	43	31	10	11	9	8	5	36.5	71.7
15-Feb-07	4	3	4	5	A	4	8	8	11	14	7	8	9	9	10	33	13	25	15	27	29	26	27	15	13.6	33.3
16-Feb-07	7	10	6	10	A	10	12	9	23	20	23	37	24	14	5	4	4	6	5	5	7	4	11	6	11.3	37.4
17-Feb-07	12	6	6	5	A	4	4	4	5	5	8	7	13	9	18	26	59	37	20	85	38	14	17	21	18.3	85.2
18-Feb-07	26	4	2	3	A	8	7	4	3	3	3	4	6	5	7	12	11	12	25	23	21	17	23	20	10.6	26.1
19-Feb-07	25	18	9	8	A	13	13	25	13	59	27	13	27	12	15	16	14	10	22	21	25	13	15	13	18.5	58.8
20-Feb-07	19	7	6	6	A	9	8	8	11	13	4	8	C	C	C	A	6	6	8	10	24	20	33	19	11.7	33.3
21-Feb-07	15	13	13	21	A	19	23	8	5	3	8	15	3	5	3	6	11	19	25	74	55	27	43	36	19.5	74.3
22-Feb-07	17	35	34	29	A	17	12	38	24	22	33	34	56	22	14	34	31	31	17	16	14	31	35	12	26.3	56.0
23-Feb-07	9	11	9	9	A	16	19	69	22	19	34	29	35	29	15	18	20	56	19	16	36	32	25	22	24.6	68.5
24-Feb-07	22	22	22	18	A	12	55	89	130	123	99	75	23	29	44	25	41	25	7	5	7	3	3	5	38.4	130.1
25-Feb-07	4	4	4	5	A	9	8	11	5	6	4	5	4	6	7	7	8	10	14	22	12	8	6	6	7.5	21.8
26-Feb-07	7	6	5	5	A	16	17	10	10	10	26	11	11	11	14	13	11	13	16	12	9	8	7	7	10.9	25.7
27-Feb-07	25	12	9	24	A	24	15	18	13	12	13	12	12	13	13	11	12	11	12	13	12	12	10	10	13.8	24.8
28-Feb-07	15	9	10	10	A	10	9	12	18	24	20	13	4	4	5	10	13	27	30	9	10	10	19	14	13.3	30.4
Hourly Avg	16.3	13.5	11.0	11.2	N	11.9	15.2	20.8	24.7	30.2	24.7	22.8	22.0	17.3	15.9	18.5	19.4	22.1	21.1	22.4	20.0	16.0	18.5	15.3		
Hourly Max	71.7	68.7	54.5	36.3	0.0	43.6	55.1	88.6	130.1	122.8	98.9	75.4	64.8	64.7	51.7	56.1	58.7	60.3	72.5	85.2	59.9	59.4	62.4	56.5		

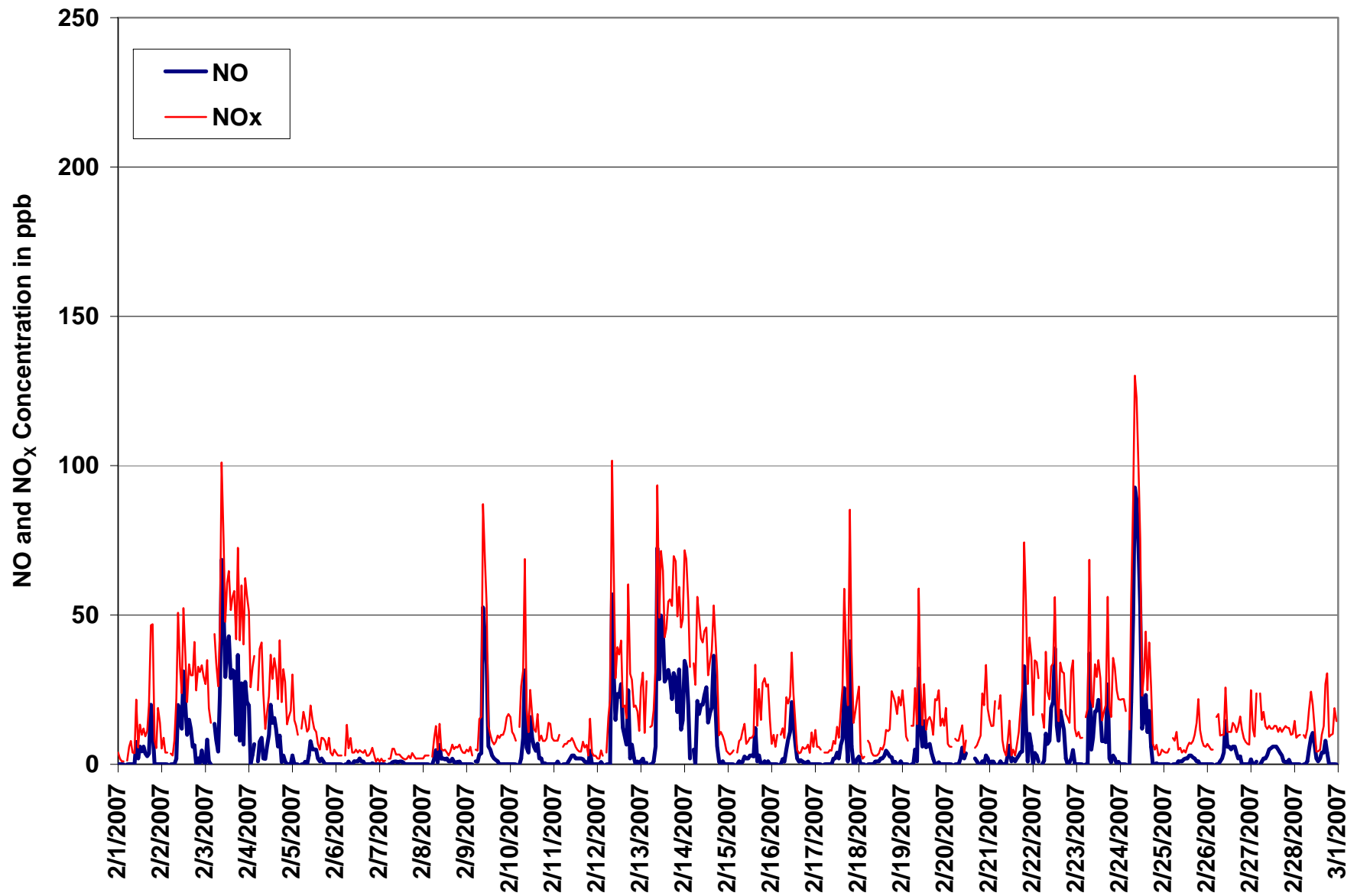


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA – Beaverlodge - Ozone Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

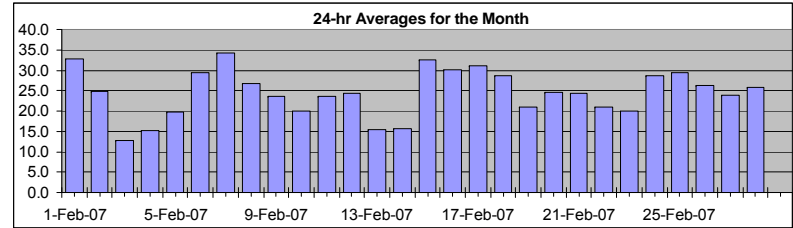
Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 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:	43.6 ppb	18-Feb	2:00 3:00
Maximum 24-hr Average:	34.1 ppb	7-Feb	



AIC Time:	29 hrs	Operational Time:	641 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	41.3	37.7	29.9	24.6	19.3	11.0	4.1	24.5 ppb	24.6 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	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-Feb-07	37	38	38	37	A	35	32	30	32	33	30	33	33	32	32	33	32	30	27	27	34	35	32	34	32.8	37.7	
2-Feb-07	37	34	36	35	A	34	34	33	29	18	26	26	23	23	27	25	23	19	12	17	17	12	16	24.9	36.6		
3-Feb-07	11	14	21	21	A	17	13	14	17	13	16	20	19	18	18	14	11	9	1	4	5	8	6	5	12.8	21.3	
4-Feb-07	7	7	6	4	A	11	12	9	17	26	30	19	20	20	19	19	24	15	14	14	13	17	16	13	15.3	29.5	
5-Feb-07	8	14	19	19	A	17	14	14	17	17	17	18	20	23	26	25	23	21	21	23	22	24	25	24	19.7	25.7	
6-Feb-07	24	23	23	27	A	28	24	27	25	26	26	27	32	33	32	32	34	33	32	33	33	34	34	33	29.3	33.7	
7-Feb-07	33	33	34	35	A	34	33	32	32	33	34	35	35	36	37	37	36	36	36	36	34	33	32	31	34.1	36.7	
8-Feb-07	30	29	27	26	A	26	26	24	26	26	27	27	27	27	28	27	27	26	26	26	26	27	27	27	26.8	30.3	
9-Feb-07	26	25	25	27	A	27	26	24	23	22	21	20	25	26	27	27	26	24	23	22	21	22	20	16	23.7	26.7	
10-Feb-07	18	18	20	21	A	18	13	16	14	19	22	21	23	23	24	22	24	22	22	23	21	17	16	19	19.9	24.4	
11-Feb-07	18	18	17	16	A	18	17	16	16	17	19	21	25	27	29	30	31	30	30	31	30	29	30	30	23.7	30.8	
12-Feb-07	30	30	30	30	A	29	27	22	9	20	26	27	26	26	29	28	29	15	18	19	22	21	23	23	24.3	30.1	
13-Feb-07	22	20	22	21	A	20	19	16	12	14	20	22	20	22	22	20	15	11	6	6	9	6	4	5	15.5	22.5	
14-Feb-07	4	1	3	5	A	11	6	2	5	11	13	13	15	16	15	13	14	11	25	34	34	35	34	36	15.6	36.3	
15-Feb-07	38	38	38	37	A	38	37	37	33	34	36	35	35	35	36	35	37	28	28	20	19	22	22	25	32.4	38.4	
16-Feb-07	26	22	24	22	A	22	24	23	17	19	21	20	26	36	39	39	39	39	39	39	40	40	38	38	30.1	40.5	
17-Feb-07	36	36	37	36	A	38	39	41	40	40	38	36	35	35	31	29	24	27	28	15	11	24	21	18	31.1	40.6	
18-Feb-07	21	43	44	43	A	40	39	33	29	29	29	29	29	30	30	29	29	28	18	16	19	18	18	16	28.7	43.6	
19-Feb-07	14	19	23	25	A	20	17	18	21	19	20	25	23	26	26	25	25	24	20	18	15	21	20	19	21.0	26.4	
20-Feb-07	16	24	25	25	A	22	23	23	25	26	29	29	30	30	30	30	30	29	27	24	19	20	16	17	24.7	30.2	
21-Feb-07	18	20	20	15	A	20	18	31	32	32	30	29	32	32	32	32	31	26	25	16	13	21	14	18	24.3	32.3	
22-Feb-07	23	21	19	23	A	20	23	22	18	20	22	22	20	25	27	26	22	18	20	18	20	16	15	21	20.9	27.4	
23-Feb-07	22	22	22	22	A	19	17	11	16	21	24	25	25	27	C	C	A	22	23	24	10	15	15	17	19.9	27.3	
24-Feb-07	16	15	16	23	A	27	28	21	15	11	17	24	32	34	31	32	30	35	42	41	41	42	42	42	28.6	42.1	
25-Feb-07	39	38	37	36	A	28	28	26	28	29	30	31	32	31	29	29	29	27	22	21	26	26	26	26	29.3	39.3	
26-Feb-07	26	26	26	26	A	18	20	22	22	23	23	25	26	27	27	29	30	28	29	27	28	31	32	32	26.2	32.3	
27-Feb-07	27	29	32	18	A	16	18	19	24	25	26	27	28	28	28	27	26	24	22	21	20	22	22	22	24.0	32.4	
28-Feb-07	19	22	21	21	A	21	22	19	17	22	25	25	32	35	34	33	32	26	23	30	29	28	27	26	25.7	34.5	
Hourly Avg	23.2	24.3	25.2	24.9	N	24.1	23.2	22.3	21.7	23.1	24.9	25.4	26.7	28.0	28.4	27.8	27.1	24.4	23.5	23.1	22.7	23.9	22.7	23.2			
Hourly Max	39.3	42.7	43.6	43.0	0.0	39.6	38.9	40.6	39.9	39.9	37.9	36.0	35.4	36.5	39.1	39.3	39.3	38.6	41.7	41.0	40.7	42.1	41.9	41.5			

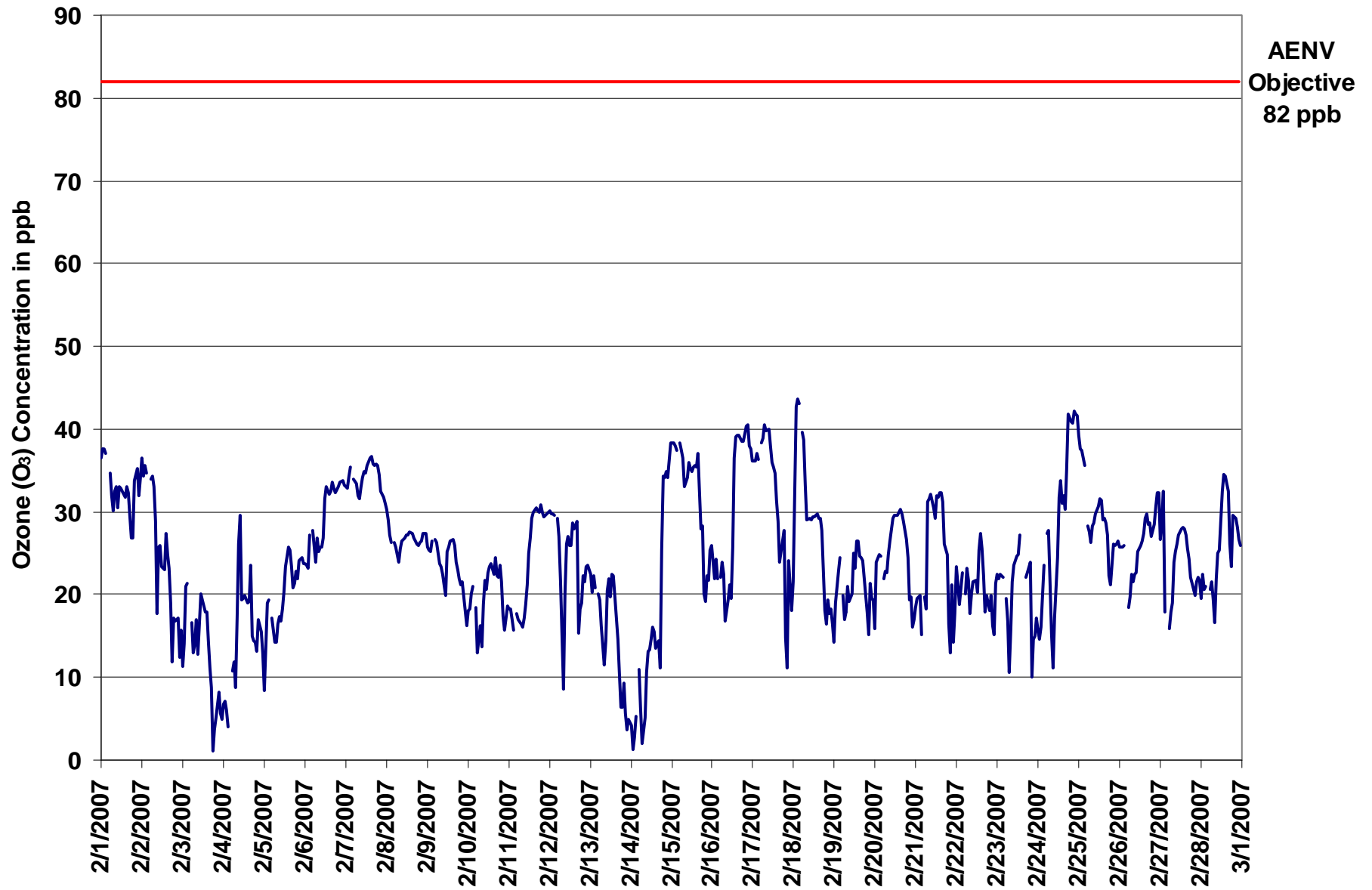


Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

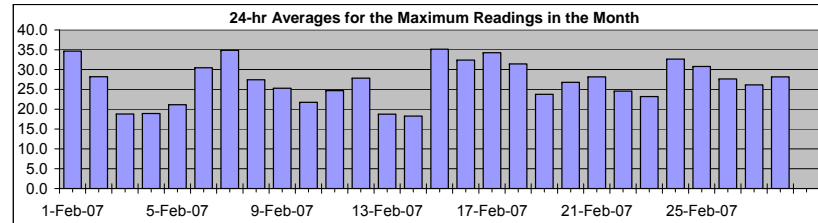
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	44.3	ppb	18-Feb	2:00 3:00
Maximum 24-hr Value:	35.2	ppb	15-Feb	



AIC Time:	29 hrs	Operational Time:	641 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	42.1	39.4	31.6	26.8	22.6	15.6	8.7	27.0 ppb	26.8 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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-hour Average	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-Feb-07	38	38	38	38	A	35	35	31	34	34	34	34	35	33	33	34	33	32	31	35	36	36	36	38	34.6	38.3
2-Feb-07	38	37	37	35	A	35	35	34	33	27	29	28	29	26	29	28	27	23	23	20	20	21	16	19	28.2	37.5
3-Feb-07	16	21	24	23	A	26	17	19	20	20	22	24	24	25	22	17	15	12	9	11	15	17	15	15	18.8	25.7
4-Feb-07	12	10	8	6	A	17	17	15	33	28	31	22	22	21	20	21	28	23	16	16	17	18	17	16	18.9	33.0
5-Feb-07	14	15	21	20	A	20	16	16	17	18	18	20	22	25	26	26	26	22	23	23	24	25	25	24	21.1	26.2
6-Feb-07	24	24	24	28	A	29	28	28	27	27	27	29	35	34	33	34	35	34	33	33	34	34	34	34	30.5	34.7
7-Feb-07	34	34	35	36	A	35	34	33	32	34	35	35	35	36	37	37	37	36	36	36	35	33	32	32	34.8	37.2
8-Feb-07	31	30	28	27	A	27	27	26	26	27	27	27	28	28	28	28	27	27	27	26	27	27	28	28	27.4	30.8
9-Feb-07	27	26	27	27	A	27	27	26	25	26	26	24	26	27	27	27	25	24	23	23	23	23	22	19	25.3	27.3
10-Feb-07	20	21	21	22	A	20	20	19	18	21	23	23	23	24	24	25	25	23	23	24	23	20	18	20	21.7	25.3
11-Feb-07	19	19	18	18	A	18	18	17	17	18	20	23	27	29	30	31	31	31	31	32	31	30	30	30	24.7	31.5
12-Feb-07	31	30	30	30	A	30	30	26	22	27	29	29	29	30	30	30	31	24	26	25	26	25	25	25	27.8	31.1
13-Feb-07	24	23	23	23	A	21	21	19	16	20	23	24	23	23	23	23	16	15	13	15	16	11	7	10	18.7	24.3
14-Feb-07	10	2	8	9	A	13	11	6	9	12	15	15	17	17	17	16	17	13	35	36	36	36	35	39	18.3	38.6
15-Feb-07	39	39	38	38	A	39	39	39	35	36	37	37	36	37	38	40	40	34	33	26	28	26	27	28	35.2	39.6
16-Feb-07	29	24	26	24	A	27	26	24	24	22	23	24	29	39	40	40	40	40	40	41	41	41	40	40	32.4	41.5
17-Feb-07	40	37	39	37	A	39	40	41	41	41	40	37	37	35	34	35	30	30	31	27	26	27	24	21	34.3	41.5
18-Feb-07	37	44	44	43	A	41	40	40	29	30	30	30	30	30	31	31	31	29	27	20	24	20	22	21	31.5	44.3
19-Feb-07	18	22	26	27	A	24	20	21	24	25	23	27	26	27	27	26	25	25	24	21	22	23	21	21	23.7	27.3
20-Feb-07	22	26	26	25	A	24	25	25	26	29	30	30	30	30	31	31	30	30	29	26	24	28	21	21	26.8	30.6
21-Feb-07	19	21	23	21	A	25	27	32	32	32	32	32	32	32	33	33	33	31	29	31	23	25	25	23	28.2	33.0
22-Feb-07	27	29	29	29	A	24	25	24	21	22	24	26	26	27	28	28	24	22	21	19	22	22	23	23	24.6	29.0
23-Feb-07	23	23	23	23	A	22	20	19	21	23	25	26	27	30	C	C	A	28	25	26	24	18	18	19	23.2	30.1
24-Feb-07	19	17	20	28	A	29	30	29	30	19	29	31	33	36	34	34	34	42	44	44	42	43	42	42	32.7	44.2
25-Feb-07	42	38	38	38	A	30	30	29	29	30	31	31	32	33	30	30	30	29	25	27	27	27	27	27	30.8	41.6
26-Feb-07	27	26	26	26	A	26	25	24	23	23	24	26	27	27	29	30	30	30	30	29	30	32	33	33	27.6	33.1
27-Feb-07	32	32	34	29	A	21	20	23	25	26	27	28	29	29	29	28	27	25	24	23	21	22	24	24	26.1	34.1
28-Feb-07	23	24	21	22	A	21	23	21	20	27	27	30	35	35	36	34	34	31	31	31	30	30	30	31	28.2	35.5
Hourly Avg	26.1	26.2	27.0	26.8	N	26.6	25.9	25.2	25.3	25.9	27.2	27.6	28.7	29.5	29.5	29.5	29.0	27.4	27.3	26.5	26.6	26.4	25.6	25.8		
Hourly Max	41.6	43.8	44.3	43.4	0.0	41.5	40.4	41.5	40.9	40.5	40.5	36.9	36.7	39.4	39.9	40.1	40.1	41.9	44.2	44.2	41.7	42.6	42.1	42.1		

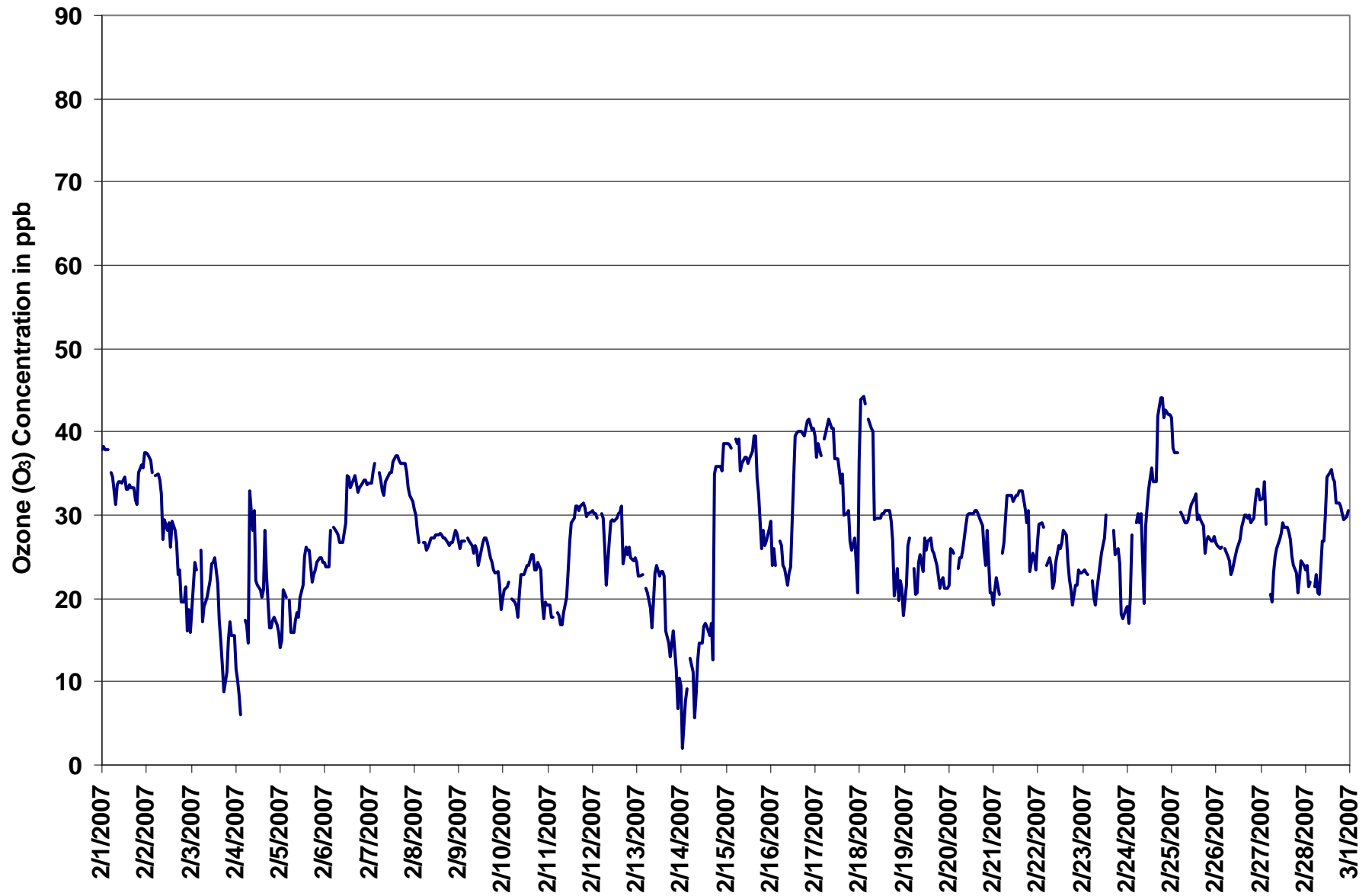
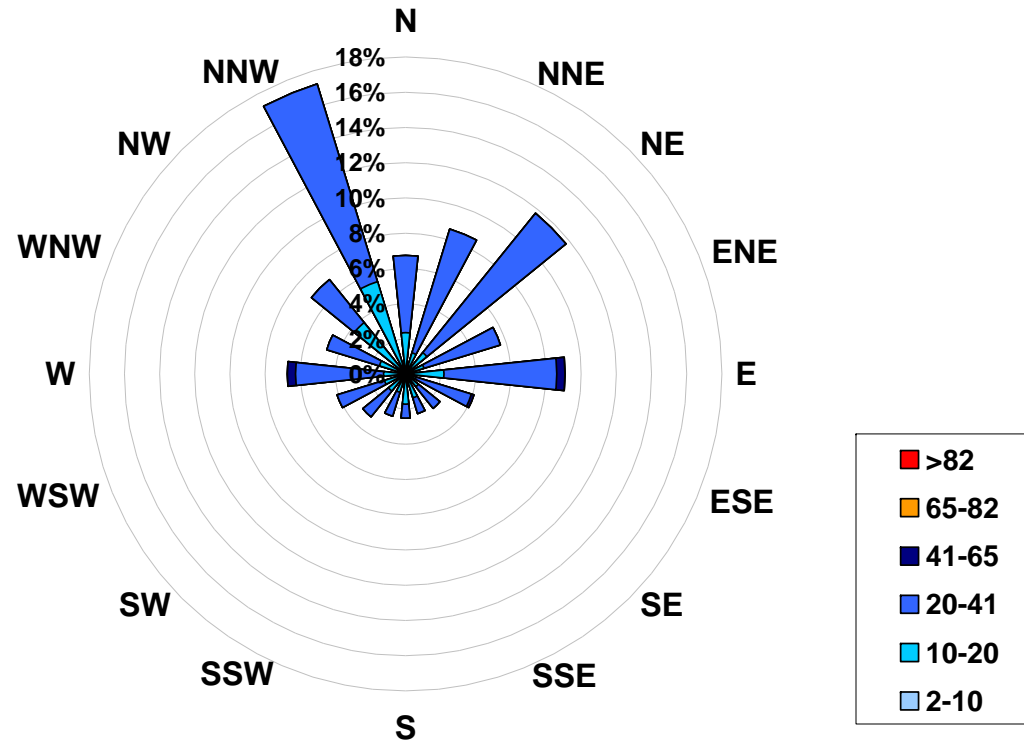


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 1%

Frequency Distribution of O ₃ in ppb			
Range		Frequency (hrs)	
2.0	< 10	27	
10	to 20	162	
20	to 41	445	
41	to 65	7	
65	to 82	0	
	> 82	0	
Total Non-Zero Values			641

PASZA - Beaverlodge - Ozone Eight Hour Running Summary

Station: Beaverlodge
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

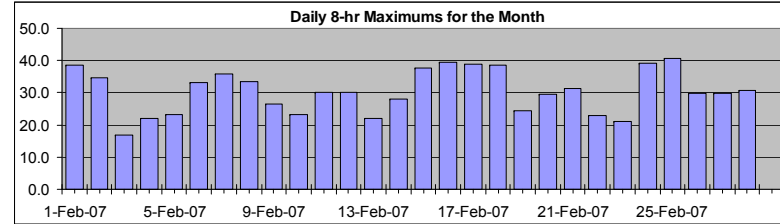
Monitoring Dates: February 1, 2007 to March 1, 2007

Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	40.7 ppb 25-Feb 1:00 2:00

Percentile	99	95	75	50	25	5	1
	39.3	37.3	29.7	23.7	20.0	12.8	5.2



Status Flag Characters

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

Day Mountain Standard Time

Day	Hour Start	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	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-Feb-07	38	38	38	38	38	37	36	35	34	34	33	32	32	32	32	32	32	32	31	31	31	31	31	31	31	31	38.4
2-Feb-07	32	32	34	35	35	34	35	35	34	31	30	28	28	26	26	25	24	24	22	21	20	20	18	17	17	17	34.8
3-Feb-07	15	15	16	16	16	16	16	16	17	16	16	16	16	16	17	17	16	16	14	12	10	9	7	6	6	6	16.9
4-Feb-07	5	5	6	6	6	6	7	8	9	12	15	18	18	19	20	21	22	21	19	18	17	17	17	16	16	16	22.0
5-Feb-07	14	14	14	15	15	15	15	15	16	17	17	16	17	18	19	20	21	22	22	23	23	23	23	23	23	23	23.2
6-Feb-07	23	23	23	24	24	25	25	25	25	26	26	26	27	27	28	29	30	31	32	33	33	33	33	33	33	33	33.1
7-Feb-07	33	33	33	34	34	34	34	34	33	33	33	33	33	34	34	35	35	35	36	36	36	36	35	35	34	34	35.8
8-Feb-07	33	33	31	30	30	29	28	27	26	26	26	26	26	26	27	27	27	27	27	27	27	27	27	27	27	27	33.4
9-Feb-07	26	26	26	26	26	26	26	26	25	25	24	23	24	23	23	24	24	24	25	25	24	24	23	22	22	22	26.5
10-Feb-07	21	20	20	20	19	19	18	18	17	17	18	18	18	19	20	21	22	23	23	23	23	23	22	21	21	21	23.0
11-Feb-07	20	19	19	18	17	17	17	17	17	17	17	18	19	20	21	23	25	26	28	29	30	30	30	30	30	30	30.1
12-Feb-07	30	30	30	30	30	30	29	28	25	24	23	23	23	23	23	24	26	26	25	24	23	23	22	22	22	22	30.0
13-Feb-07	21	21	22	22	22	22	21	20	19	18	18	18	18	18	19	19	19	19	17	15	14	12	10	8	8	8	22.1
14-Feb-07	6	5	5	5	4	5	5	5	5	6	8	9	9	10	11	13	14	14	15	18	21	23	25	28	28	28	28.1
15-Feb-07	31	34	36	36	37	37	38	38	37	36	36	36	36	35	35	35	35	35	34	32	30	28	26	25	25	25	37.8
16-Feb-07	24	23	23	23	23	23	24	23	22	22	21	21	21	23	25	27	30	32	35	37	39	39	39	39	39	39	39.4
17-Feb-07	39	38	38	38	37	37	37	38	38	39	39	39	38	38	37	36	34	32	31	28	25	24	22	21	21	21	38.8
18-Feb-07	21	23	25	28	31	33	35	37	39	37	35	33	32	31	30	29	29	28	26	25	23	22	20	20	20	20	38.6
19-Feb-07	19	17	18	19	19	19	19	19	20	20	20	20	20	21	22	23	24	24	24	24	23	22	21	20	20	20	24.3
20-Feb-07	19	19	20	21	21	21	22	22	24	24	25	25	26	27	28	29	29	30	29	29	29	27	26	24	23	23	29.5
21-Feb-07	21	20	19	18	18	18	18	20	22	24	26	28	28	30	31	31	31	31	30	28	26	25	22	21	21	21	31.5
22-Feb-07	20	19	18	19	20	20	21	22	21	21	21	21	21	21	22	22	23	23	23	22	22	21	19	19	19	19	23.0
23-Feb-07	19	19	20	20	20	21	21	19	18	18	19	19	20	21	21	N	N	N	N	N	N	N	N	N	N	N	21.1
24-Feb-07	18	17	16	16	17	18	20	21	21	20	21	21	22	23	23	25	26	29	33	35	36	37	38	39	39	39	39.3
25-Feb-07	40	41	40	40	39	37	35	33	32	30	29	29	29	29	29	30	30	30	29	28	27	26	26	25	25	25	40.7
26-Feb-07	25	25	25	26	26	25	24	23	23	22	22	22	22	22	23	24	25	26	27	28	28	28	29	29	30	30	29.7
27-Feb-07	29	29	30	29	29	27	25	23	22	22	21	22	23	24	26	27	27	27	26	26	25	24	23	22	22	22	29.8
28-Feb-07	22	21	21	21	21	21	21	21	20	20	21	22	23	25	26	28	30	30	30	30	31	30	29	28	28	28	30.8

Hourly Max 40.4 40.7 40.2 39.5 39.4 37.4 37.7 37.8 38.6 38.7 38.8 38.8 38.4 37.9 37.0 35.5 35.4 35.5 35.7 37.0 38.9 39.4 39.2 39.3

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

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

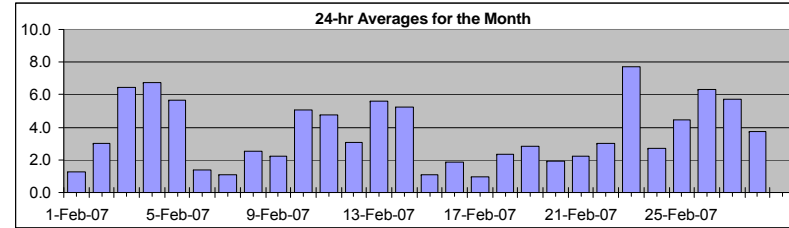
Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Draft Objective Limit: Alberta Environment: 1-hr - $\mu\text{g}/\text{m}^3$ 24-hr 30 $\mu\text{g}/\text{m}^3$
 Summary

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	17.7 $\mu\text{g}/\text{m}^3$ 23-Feb 22:00 23:00
Maximum 24-hr Value:	7.7 $\mu\text{g}/\text{m}^3$ 23-Feb

AIC Time:	0 hrs	Operational Time:	668 hrs
Calibration Time:	1 hrs	AMD Operational Uptime:	99.6%
Percentile	99	95	75
	9.9	8.2	5.6
	50	25	5
	3.0	1.6	0.0
	1	5	1
	0.0	0.0	3.6
	Average / Median		3 $\mu\text{g}/\text{m}^3$
	Geomean		3.0 $\mu\text{g}/\text{m}^3$



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	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-Feb-07	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2	10	9	2	1	2	2	1.3	9.6
2-Feb-07	1	1	0	0	1	2	1	0	1	3	3	3	3	2	3	4	4	7	7	5	4	6	6	5			3.0	7.0	
3-Feb-07	5	4	0	0	D	17	2	1	0	16	9	6	8	P	7	9	9	5	6	6	6	7	9	8			6.4	17.4	
4-Feb-07	7	7	7	7	7	6	5	7	7	5	4	6	8	7	9	9	6	8	7	7	7	5	6	7			6.7	9.1	
5-Feb-07	8	7	6	6	6	5	6	6	4	5	8	8	7	8	8	8	7	5	4	4	3	2	2	2			5.7	8.5	
6-Feb-07	2	2	3	2	1	2	1	1	2	2	3	3	1	1	1	2	1	1	1	0	0	1	1	1			1.4	3.0	
7-Feb-07	0	0	1	1	1	2	1	2	2	2	1	1	1	1	0	0	1	0	1	1	0	1	1	2			1.1	2.5	
8-Feb-07	2	2	3	4	3	3	3	3	2	3	3	3	3	2	2	3	3	3	2	2	2	3	2	2			2.5	3.9	
9-Feb-07	2	1	2	2	1	1	2	2	3	4	5	5	2	2	2	2	2	2	2	2	2	2	3	3			2.2	4.6	
10-Feb-07	3	3	3	3	4	5	6	4	5	7	4	5	3	6	3	5	5	6	6	6	7	8	10	7			5.0	10.2	
11-Feb-07	8	8	9	8	7	7	8	7	7	7	7	7	4	3	2	3	2	1	2	2	2	2	2	2			4.8	8.9	
12-Feb-07	2	2	2	2	2	2	2	3	6	4	4	4	3	3	2	2	3	3	5	3	3	4	4	4			3.1	6.3	
13-Feb-07	3	4	3	3	3	4	2	4	4	8	8	5	11	6	7	8	8	7	6	6	5	6	5	7			5.6	10.7	
14-Feb-07	8	10	7	5	5	4	5	6	5	6	7	9	8	7	5	7	6	7	7	0	0	0	0	0			5.3	9.7	
15-Feb-07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	1	1	1	4	4	3	2			1.1	5.4
16-Feb-07	2	2	1	2	1	2	2	3	4	5	3	4	8	4	0	1	0	1	0	0	0	0	0	0			1.9	7.6	
17-Feb-07	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	3	2	0	2	1	1	2	4			1.0	4.1
18-Feb-07	7	0	D	0	0	0	0	0	4	5	2	2	2	2	2	3	2	2	4	3	3	4	5	6			2.4	7.0	
19-Feb-07	6	6	3	3	1	3	4	2	2	3	5	2	0	0	1	2	3	3	3	3	3	3	3	2	5			2.8	6.0
20-Feb-07	5	3	3	1	2	4	2	3	2	2	2	2	3	1	0	0	1	1	0	0	1	1	3	2	2			1.9	5.0
21-Feb-07	2	2	2	2	2	3	2	2	2	2	3	3	2	2	2	2	2	2	2	3	4	2	2	2			2.2	3.6	
22-Feb-07	2	1	3	0	2	1	0	1	2	2	3	2	2	2	2	4	5	6	6	7	4	4	5	5			3.0	7.0	
23-Feb-07	4	5	6	6	6	6	7	7	8	7	7	8	8	9	10	C	0	8	7	8	9	10	18	11			7.7	17.7	
24-Feb-07	8	6	4	3	0	0	1	2	4	6	7	6	2	1	5	3	5	2	0	0	0	0	1	0			2.7	7.7	
25-Feb-07	1	2	2	2	4	4	3	5	5	4	4	3	4	4	6	5	6	6	6	6	5	7	5	5			4.4	6.8	
26-Feb-07	6	6	4	4	4	4	5	5	6	6	6	6	6	7	7	8	9	9	9	9	9	7	6	5			6.3	9.5	
27-Feb-07	5	6	5	6	8	7	7	8	7	8	6	6	6	7	6	6	6	6	4	3	4	5	4	3			5.7	8.4	
28-Feb-07	3	4	4	4	3	3	4	3	3	4	2	4	2	3	4	4	4	4	5	5	4	4	4	4			3.8	5.2	
Hourly Avg	3.7	3.4	3.2	2.7	2.7	3.5	2.9	3.1	3.5	4.5	4.1	4.0	3.8	3.3	3.5	3.9	3.7	3.9	4.0	3.8	3.5	3.5	4.1	3.8					
Hourly Max	8.1	9.7	8.9	7.5	8.0	17.4	7.5	7.7	7.9	16.5	9.4	9.5	10.7	9.3	10.5	8.9	8.9	9.5	9.6	9.4	9.3	9.7	17.7	11.4					

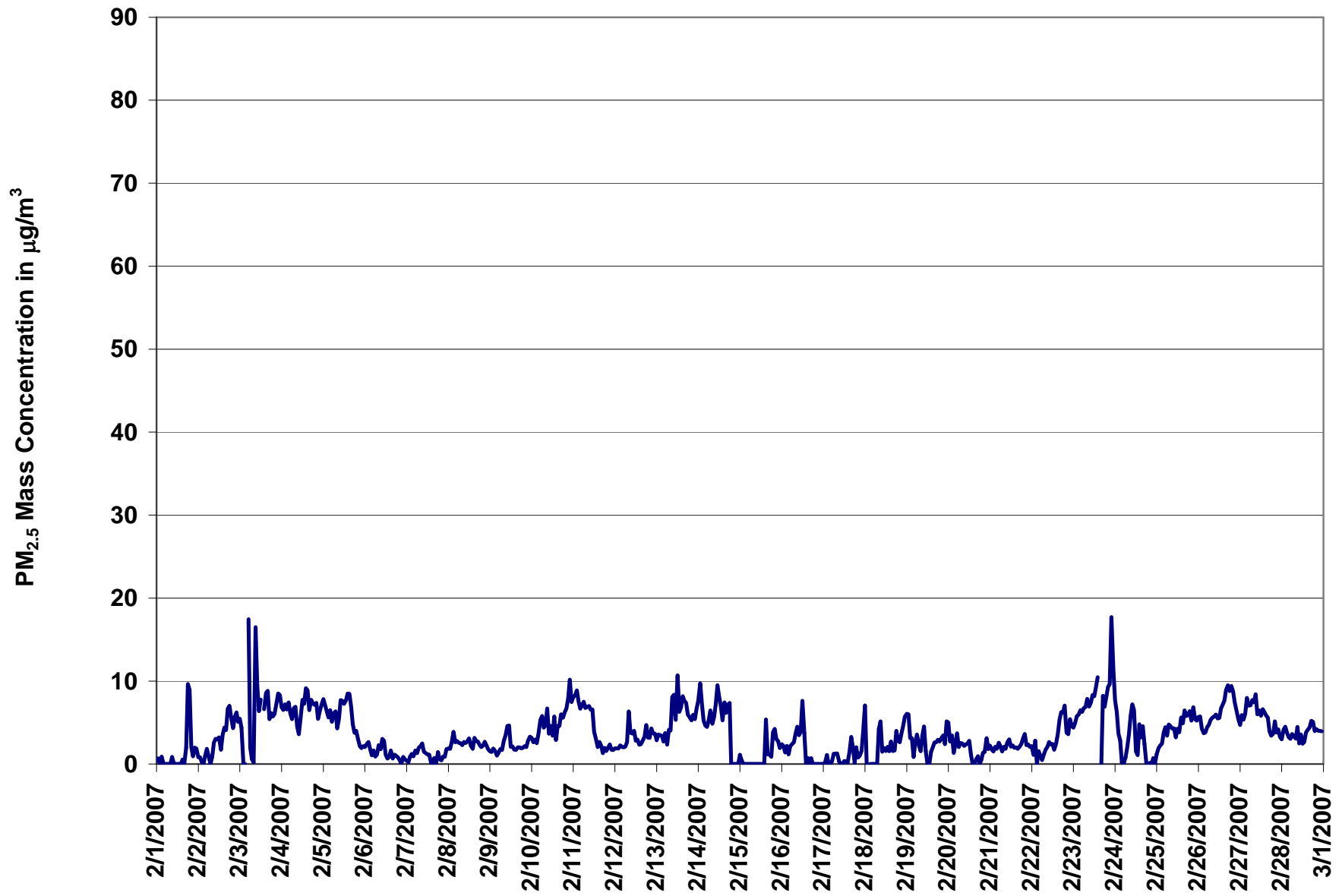


Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

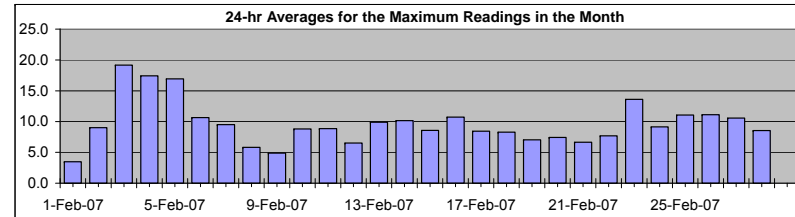
Particulate Matter (PM_{2.5})

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	49.8	µg/m ³	3-Feb	5:00 6:00
Maximum 24-hr Value:	19.2	µg/m ³	3-Feb	

AIC Time:	0 hrs	Operational Time:	668 hrs						
Calibration Time:	1 hrs	AMD Operational Uptime:	99.6%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	22.4	17.5	11.8	9.0	6.4	3.8	1.6	9.6	9.1 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	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-Feb-07	3	3	2	4	4	3	1	0	0	2	2	2	0	1	1	3	2	6	14	12	5	3	6	4	3.5	13.5	
2-Feb-07	3	8	5	2	3	3	3	2	5	6	6	6	9	6	17	15	14	18	18	15	12	16	13	13	9.0	18.0	
3-Feb-07	11	14	10	6	D	50	21	37	36	30	15	14	15	P	19	19	17	16	14	13	16	15	18	16	19.2	49.8	
4-Feb-07	15	15	17	14	16	14	17	20	27	17	16	19	16	16	20	20	15	18	17	19	21	14	15	17	17.4	27.4	
5-Feb-07	17	19	18	15	16	15	15	15	14	17	18	21	22	21	22	22	19	18	15	16	14	12	13	13	16.9	22.1	
6-Feb-07	12	12	12	9	10	7	7	10	10	9	11	14	12	12	12	12	11	9	11	10	11	10	12	11	10.6	13.9	
7-Feb-07	11	10	11	12	11	12	11	11	11	13	10	10	10	9	7	9	9	8	7	5	8	9	7	8	9.5	12.8	
8-Feb-07	7	7	7	8	7	6	6	6	5	4	5	7	6	6	5	6	6	5	5	4	4	6	4	5	5.8	7.9	
9-Feb-07	3	3	4	5	4	5	5	5	6	9	9	8	6	4	4	4	4	4	4	4	4	4	5	5	4.9	9.3	
10-Feb-07	6	4	5	4	6	7	8	9	10	10	9	10	6	10	7	8	9	10	9	9	13	13	16	13	8.8	15.8	
11-Feb-07	13	14	13	11	10	10	10	11	9	9	10	10	7	10	8	9	8	5	6	6	6	6	6	5	8.9	13.7	
12-Feb-07	4	4	4	4	5	4	4	5	12	7	8	10	6	8	8	10	8	8	7	5	5	6	7	8	6.5	11.6	
13-Feb-07	6	7	6	5	5	6	6	7	9	12	14	15	17	13	11	13	12	10	9	9	9	12	11	11	9.9	16.8	
14-Feb-07	14	14	10	11	9	9	9	11	10	11	13	14	14	11	10	12	10	13	18	3	3	4	5	5	10.2	18.4	
15-Feb-07	9	12	10	6	7	6	6	5	5	4	5	7	8	6	6	17	9	8	8	8	14	14	11	12	11	8.6	16.9
16-Feb-07	12	12	12	14	12	10	11	12	13	12	13	15	17	15	9	11	8	11	4	7	8	8	7	6	10.7	17.3	
17-Feb-07	6	7	9	7	9	9	10	10	8	8	9	7	8	5	7	10	13	12	8	9	8	7	7	10	8.4	12.6	
18-Feb-07	14	11	D	8	9	2	7	6	11	11	7	6	6	8	8	12	8	8	9	7	6	7	10	9	8.3	13.6	
19-Feb-07	10	10	7	9	6	8	8	7	7	6	8	8	6	4	4	6	6	5	6	6	6	6	8	11	7.0	11.0	
20-Feb-07	11	6	9	6	6	9	5	6	5	4	5	7	7	6	21	8	7	7	5	7	7	9	9	6	7.4	21.0	
21-Feb-07	6	7	5	7	8	7	7	7	6	6	6	7	6	7	6	7	6	5	7	7	7	7	8	8	6.6	8.4	
22-Feb-07	8	8	7	6	8	7	5	8	7	7	7	7	7	6	7	7	9	10	9	11	8	10	9	9	7.7	11.0	
23-Feb-07	8	11	9	10	12	12	13	13	13	11	11	12	13	14	28	C	4	20	15	14	15	16	23	17	13.6	28.0	
24-Feb-07	11	10	11	7	3	6	7	7	11	11	18	14	9	5	10	11	13	11	5	6	8	10	7	7	9.2	17.6	
25-Feb-07	10	13	14	9	11	11	11	12	10	10	11	10	12	10	12	11	12	14	12	12	11	10	9	10	11.1	14.2	
26-Feb-07	11	10	7	8	8	9	9	9	8	9	11	12	13	12	13	14	15	16	14	14	14	11	10	11	11.1	15.8	
27-Feb-07	11	9	9	11	13	10	11	11	12	12	11	14	10	13	12	12	11	9	9	8	10	8	10	7	10.6	14.2	
28-Feb-07	6	8	10	8	8	8	6	7	6	14	8	8	8	7	11	11	11	10	10	8	9	8	10	8	8.6	13.7	
Hourly Avg	9.3	9.6	9.0	8.1	8.4	9.4	8.6	9.6	10.2	10.0	9.8	10.4	9.8	9.1	10.9	11.1	9.9	10.6	9.8	9.3	9.4	9.2	9.8	9.4			
Hourly Max	17.1	19.4	17.7	15.1	16.0	49.8	21.2	36.7	36.1	29.7	18.3	21.3	22.1	21.5	28.0	22.1	19.3	19.8	18.4	19.0	21.2	15.7	23.0	17.3			

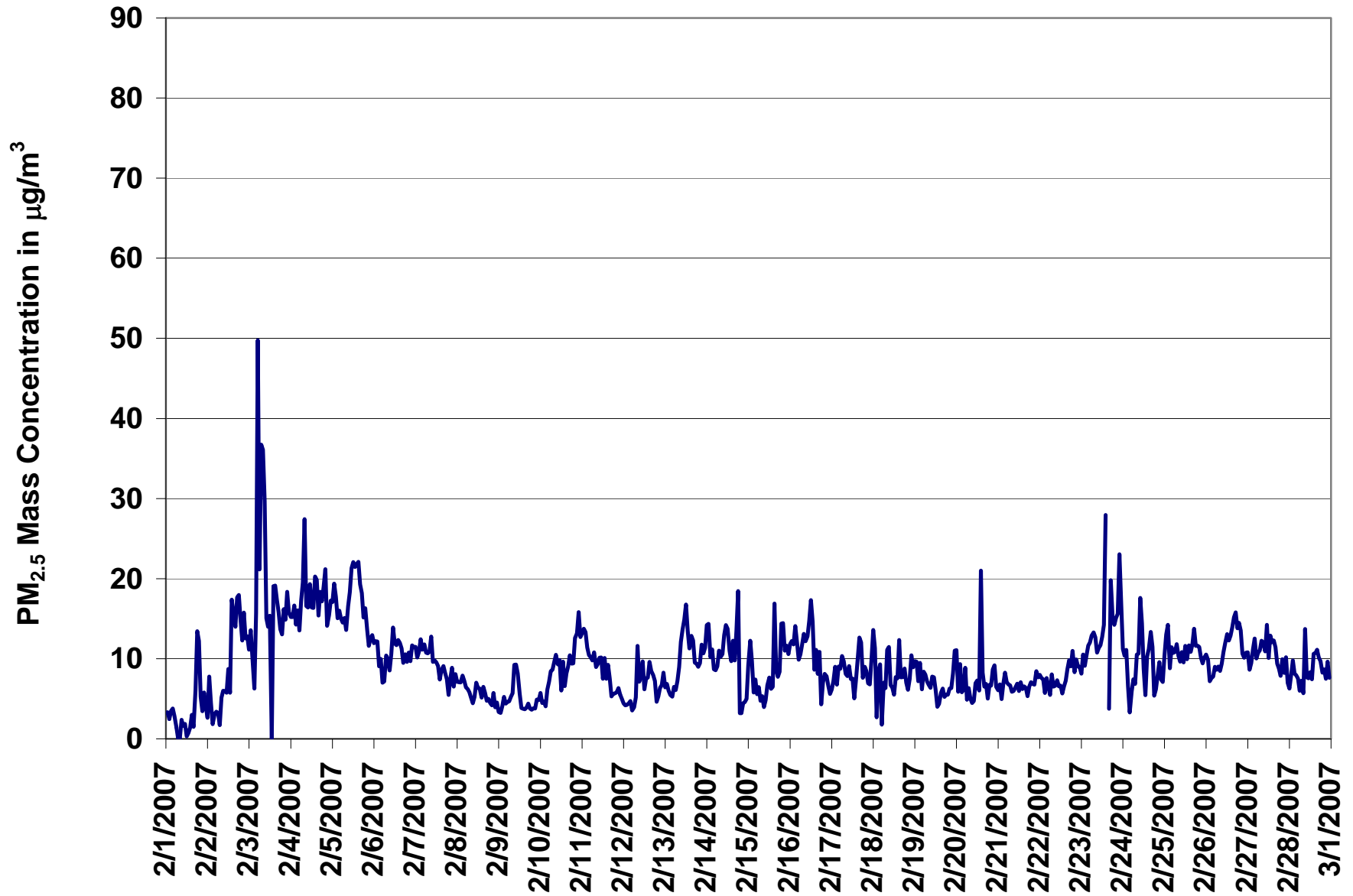
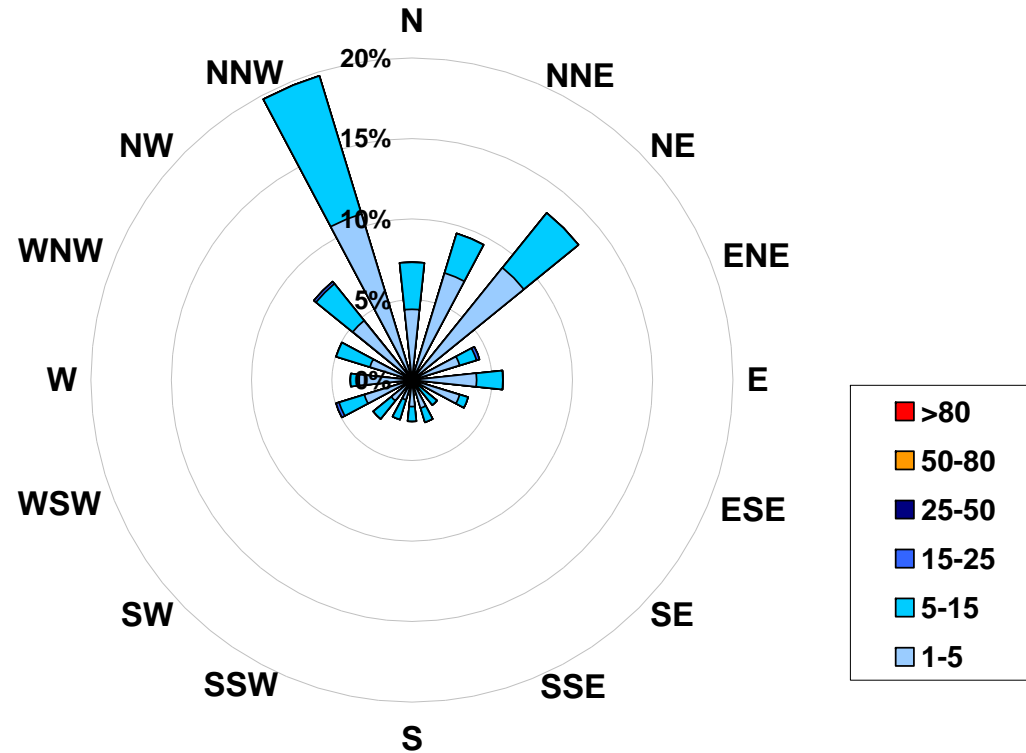


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 1%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	< 5	465	
5	to 15	200	
15	to 25	3	
25	to 50	0	
50	to 80	0	
	> 80	0	
Total Non-Zero Values			668

PASZA – Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

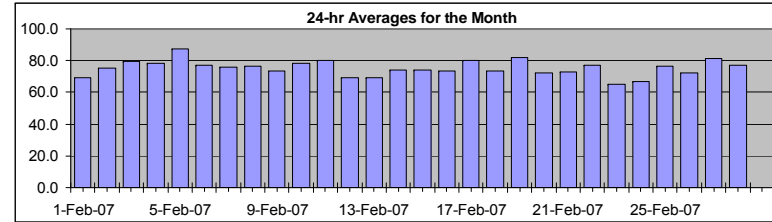
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	96.0 %	15-Feb	23:00 0:00
Maximum 24-hr Value:	87.6 %	5-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	95.0	89.7	83.0	77.6	69.5	53.7	39.2	75.3 %	77.6 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start	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-Feb-07	82	80	64	71	81	83	83	83	86	79	71	61	52	59	61	57	57	65	69	72	62	60	66	63	69.4	85.9
2-Feb-07	64	71	68	72	75	77	78	81	88	89	83	64	61	62	61	54	58	76	83	86	88	88	88	90	75.1	89.6
3-Feb-07	88	88	86	87	87	85	83	85	85	83	81	75	63	57	63	74	75	78	79	80	81	81	82	82	79.5	88.3
4-Feb-07	82	81	83	83	82	80	79	83	83	77	77	76	67	64	59	68	73	77	81	84	84	82	85	85	78.2	85.3
5-Feb-07	87	90	93	93	94	95	95	95	95	93	91	90	86	86	85	83	81	82	81	81	81	81	82	83	87.6	94.7
6-Feb-07	83	84	85	84	84	84	84	84	84	82	80	75	75	74	75	75	69	69	72	72	72	69	67	68	77.1	84.6
7-Feb-07	70	72	70	72	74	77	79	81	81	80	79	78	76	76	77	75	73	69	73	77	75	76	77	79	75.7	80.7
8-Feb-07	78	80	81	79	80	78	79	79	78	76	73	71	71	72	73	74	76	78	79	78	77	77	77	77	76.7	80.7
9-Feb-07	77	77	77	77	77	77	77	78	76	73	64	62	64	63	66	70	73	74	76	77	78	79	79	79	73.7	79.3
10-Feb-07	80	80	80	79	84	84	84	84	84	81	82	81	68	67	60	62	68	76	79	78	80	83	87	86	78.2	87.3
11-Feb-07	85	85	85	85	84	84	84	84	84	84	81	77	75	76	73	75	77	79	80	78	78	78	79	79	80.4	85.2
12-Feb-07	79	78	77	77	78	77	77	78	77	74	65	46	43	35	45	53	59	70	77	79	79	79	80	80	69.3	80.1
13-Feb-07	81	82	80	80	79	78	78	77	75	70	63	48	43	39	39	53	68	72	75	76	76	77	77	76	69.2	81.6
14-Feb-07	77	77	76	74	73	73	75	77	77	76	73	71	71	73	68	69	62	70	77	75	80	78	77	71	73.8	80.0
15-Feb-07	63	63	65	68	65	64	64	66	70	64	60	60	55	58	55	83	91	95	95	95	95	96	96	96	74.2	96.0
16-Feb-07	96	95	92	90	89	88	87	88	87	82	77	73	60	49	49	51	55	63	68	67	62	59	64	65	73.2	95.9
17-Feb-07	65	67	62	65	65	64	71	90	92	92	85	81	79	80	79	73	73	85	85	91	92	95	94	94	80.0	94.6
18-Feb-07	92	79	73	72	77	87	86	78	87	86	76	69	62	58	54	57	60	64	69	74	74	74	76	77	73.4	92.3
19-Feb-07	78	80	83	86	88	89	86	86	85	84	84	76	73	74	73	74	78	78	81	82	82	85	89	86	81.7	88.9
20-Feb-07	86	83	85	81	83	81	78	76	74	72	67	65	57	54	57	63	64	67	70	70	73	77	78	79	72.5	85.8
21-Feb-07	78	79	79	80	81	79	79	80	80	76	66	62	54	51	47	55	68	71	75	80	81	82	83	83	72.8	82.7
22-Feb-07	83	83	84	84	83	84	83	83	82	79	76	68	66	62	59	61	74	76	81	82	78	79	80	80	77.1	84.1
23-Feb-07	81	83	83	82	82	82	80	83	79	62	47	35	38	31	30	39	51	63	68	67	73	72	73	71	64.9	83.1
24-Feb-07	76	83	87	91	91	89	89	88	86	82	74	55	31	41	44	44	46	59	55	58	58	58	59	59	66.7	91.1
25-Feb-07	66	68	68	72	80	84	84	85	84	80	78	73	69	66	73	72	73	76	81	85	80	81	80	80	76.5	84.9
26-Feb-07	80	81	81	82	82	82	81	82	82	76	63	46	44	44	48	52	63	68	77	80	84	85	87	88	72.5	88.0
27-Feb-07	87	86	87	86	85	85	85	85	85	83	77	73	67	65	67	70	76	83	85	87	86	86	86	85	81.2	87.3
28-Feb-07	84	84	84	84	84	84	84	84	82	75	72	65	57	60	62	68	66	76	83	85	85	84	83	84	77.4	85.5
Hourly Avg	79.7	79.9	79.2	79.9	81.0	81.2	81.3	82.2	82.3	79.0	73.7	66.5	61.7	60.2	60.9	64.5	68.4	73.6	77.0	78.5	78.6	78.7	79.6	79.5		
Hourly Max	95.9	95.0	93.1	93.4	94.1	94.7	94.6	94.7	94.6	93.2	91.1	89.8	86.1	85.5	85.3	83.1	91.1	94.6	95.1	95.0	95.4	95.8	95.9	96.0		

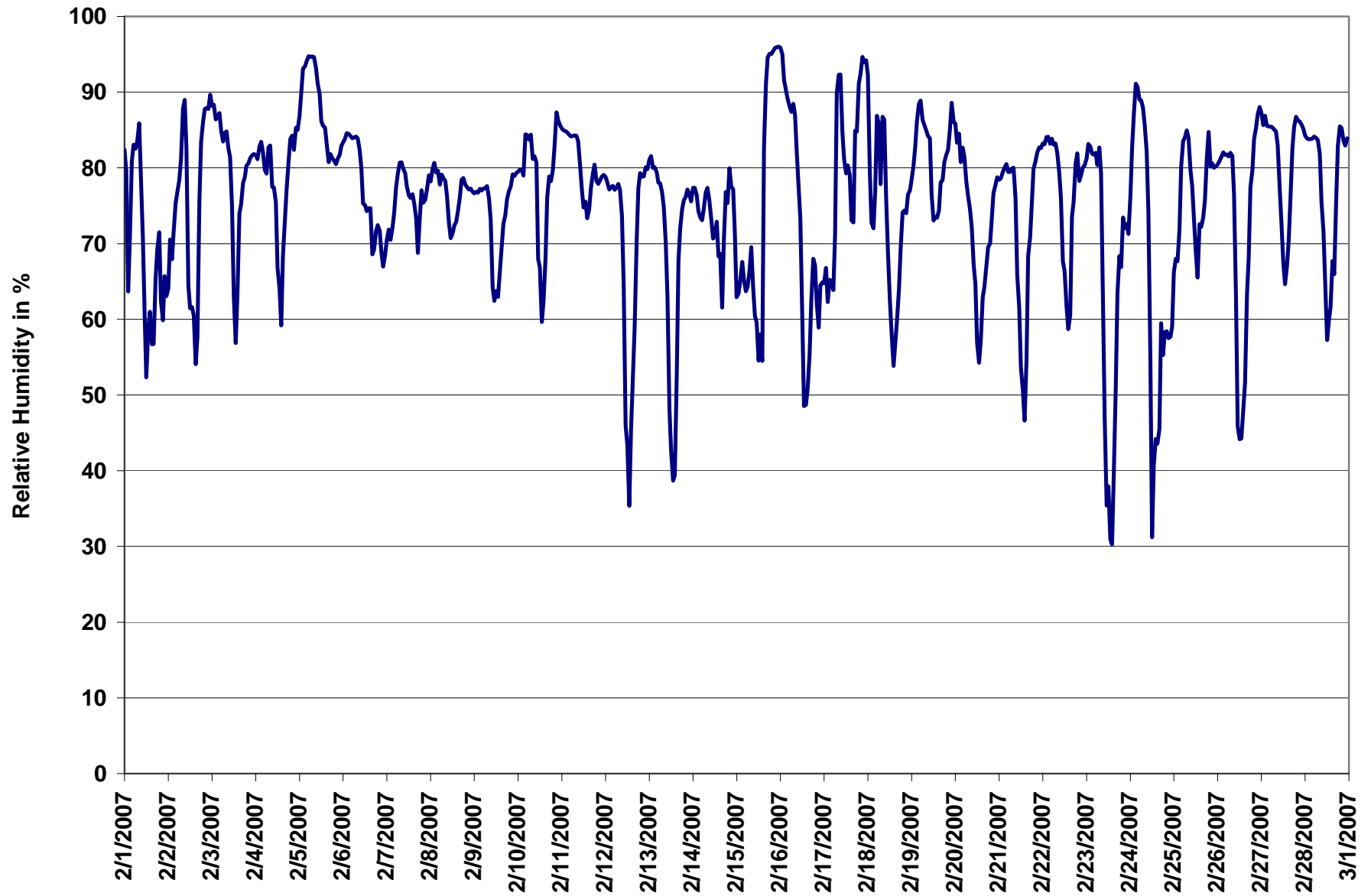


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

PASZA - Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

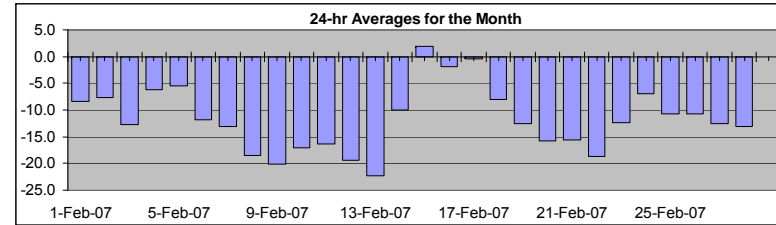
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	5.7 °C	16-Feb	13:00 14:00
Maximum 24-hr Value:	2.0 °C	15-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.7	0.6	-7.3	-12.4	-16.6	-21.6	-25.4	-11.6 °C	-12.4 °C

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	-5	-6	-7	-7	-10	-12	-13	-14	-15	-13	-12	-9	-8	-9	-8	-6	-5	-7	-8	-9	-5	-4	-5	-4	-8.3	-3.9
2-Feb-07	-4	-6	-5	-6	-6	-6	-6	-7	-10	-11	-9	-5	-6	-6	-5	-4	-5	-9	-10	-10	-11	-11	-13	-13	-7.7	-3.9
3-Feb-07	-14	-14	-15	-15	-15	-17	-19	-18	-17	-18	-16	-12	-7	-5	-9	-11	-11	-12	-12	-11	-11	-10	-9	-9	-12.7	-4.9
4-Feb-07	-10	-10	-10	-10	-10	-9	-8	-9	-7	-4	-3	-6	-5	-4	-2	-3	-3	-4	-5	-5	-5	-5	-6	-5	-6.2	-2.5
5-Feb-07	-5	-4	-4	-3	-3	-2	-2	-2	-2	-2	-2	-2	-4	-5	-6	-7	-8	-9	-9	-10	-10	-11	-11	-11	-5.5	-1.6
6-Feb-07	-11	-11	-11	-12	-12	-12	-12	-12	-12	-12	-12	-11	-11	-11	-11	-11	-11	-12	-12	-12	-12	-12	-12	-12	-11.8	-11.1
7-Feb-07	-12	-12	-12	-13	-13	-13	-13	-13	-13	-13	-13	-13	-12	-12	-12	-12	-12	-13	-14	-14	-14	-15	-15	-15	-13.0	-11.9
8-Feb-07	-15	-16	-17	-17	-17	-18	-18	-19	-19	-19	-18	-18	-18	-19	-19	-19	-19	-20	-20	-20	-20	-20	-20	-20	-18.5	-15.0
9-Feb-07	-21	-21	-21	-22	-22	-23	-23	-23	-22	-22	-19	-19	-19	-19	-18	-18	-19	-19	-19	-19	-19	-19	-19	-19	-20.2	-18.2
10-Feb-07	-19	-19	-19	-19	-19	-19	-20	-21	-21	-20	-18	-14	-15	-13	-14	-14	-15	-15	-15	-15	-15	-15	-16	-17.0	-13.3	
11-Feb-07	-16	-17	-17	-17	-17	-17	-17	-17	-17	-16	-16	-15	-15	-15	-15	-15	-16	-16	-17	-17	-17	-17	-17	-17	-16.4	-14.9
12-Feb-07	-18	-19	-19	-20	-20	-21	-21	-21	-21	-22	-20	-15	-14	-11	-14	-16	-17	-20	-22	-22	-23	-23	-23	-23	-19.4	-10.5
13-Feb-07	-25	-25	-24	-25	-27	-26	-27	-27	-29	-26	-22	-16	-15	-15	-15	-19	-21	-21	-22	-22	-23	-23	-22	-21	-22.4	-14.6
14-Feb-07	-20	-19	-18	-18	-18	-17	-16	-15	-15	-14	-12	-10	-9	-10	-9	-8	-7	-8	-2	1	-1	0	0	2	-10.0	1.6
15-Feb-07	4	4	4	3	3	3	2	1	0	1	3	3	4	3	4	2	1	0	0	0	0	0	0	0	2.0	4.0
16-Feb-07	-1	-3	-5	-5	-6	-6	-7	-8	-8	-6	-5	-4	0	6	5	4	2	1	0	0	1	1	0	0	-1.8	5.7
17-Feb-07	-1	-1	0	-1	0	0	0	-1	-1	0	0	1	1	1	1	2	0	-1	-2	-3	-3	-3	-3	-0.5	2.4	
18-Feb-07	-2	2	1	1	0	-2	-2	-6	-12	-13	-13	-13	-12	-10	-9	-10	-11	-11	-11	-12	-12	-11	-11	-11	-8.0	1.5
19-Feb-07	-11	-11	-13	-14	-15	-17	-17	-16	-17	-16	-15	-12	-11	-12	-11	-10	-11	-10	-10	-10	-10	-11	-12	-11	-12.6	-9.7
20-Feb-07	-11	-13	-13	-14	-15	-16	-18	-18	-19	-19	-19	-18	-16	-14	-14	-15	-15	-15	-15	-15	-15	-16	-16	-17	-15.7	-11.4
21-Feb-07	-17	-17	-17	-18	-18	-18	-17	-17	-17	-16	-14	-13	-11	-10	-9	-10	-14	-15	-16	-17	-17	-18	-19	-19	-15.5	-8.6
22-Feb-07	-19	-21	-21	-21	-22	-24	-23	-22	-22	-21	-19	-17	-16	-15	-14	-14	-16	-16	-17	-17	-17	-18	-18	-17	-18.6	-13.9
23-Feb-07	-17	-18	-18	-18	-18	-18	-17	-17	-17	-13	-10	-6	-7	-3	-2	-5	-8	-10	-11	-12	-13	-13	-12	-12	-12.3	-2.4
24-Feb-07	-12	-12	-14	-13	-12	-14	-12	-11	-12	-12	-11	-6	2	0	-1	0	0	-4	-4	-3	-3	-3	-4	-4	-6.9	2.4
25-Feb-07	-5	-6	-7	-8	-11	-12	-12	-12	-12	-11	-11	-11	-10	-9	-10	-10	-10	-11	-12	-13	-14	-14	-14	-13	-10.8	-5.4
26-Feb-07	-13	-13	-14	-14	-14	-14	-14	-14	-13	-12	-9	-5	-4	-4	-5	-5	-8	-10	-12	-12	-12	-12	-13	-14	-10.8	-4.0
27-Feb-07	-16	-16	-15	-16	-15	-15	-14	-14	-13	-13	-11	-10	-9	-8	-9	-9	-10	-10	-11	-12	-12	-13	-13	-14	-12.5	-8.4
28-Feb-07	-14	-15	-15	-15	-15	-15	-15	-16	-15	-13	-12	-11	-10	-10	-10	-11	-10	-12	-13	-14	-14	-14	-14	-14	-13.1	-9.6
Hourly Avg	-11.8	-12.2	-12.4	-12.7	-13.1	-13.5	-13.6	-13.9	-14.2	-13.5	-12.1	-10.2	-9.1	-8.4	-8.6	-9.1	-9.9	-11.0	-11.4	-11.6	-11.7	-11.7	-12.0	-11.9		
Hourly Max	4.0	3.9	3.6	3.1	3.3	2.9	2.1	1.3	0.3	1.3	2.7	2.6	3.9	5.7	5.2	4.3	2.5	0.9	0.3	0.6	0.8	0.9	0.3	1.6		

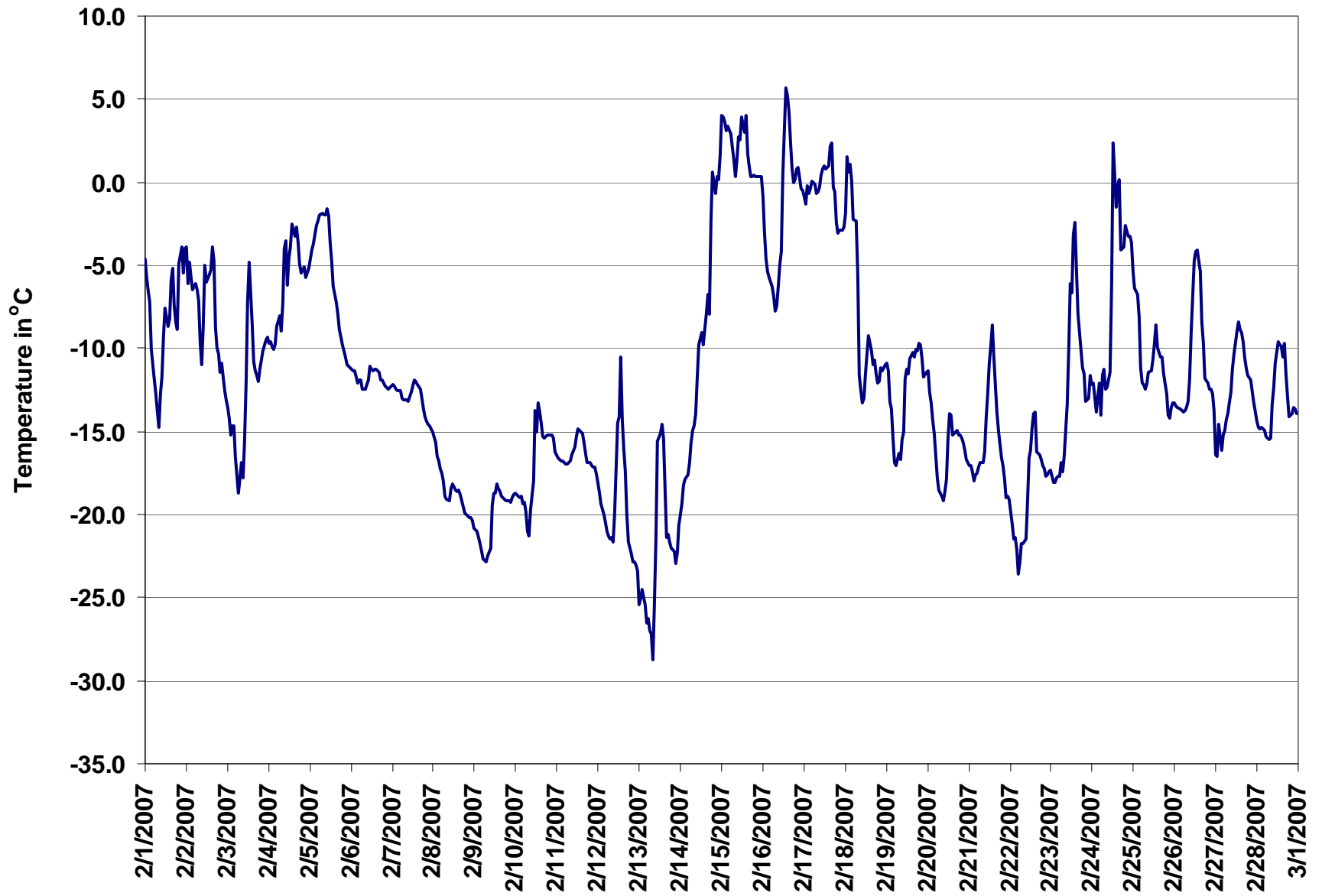


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

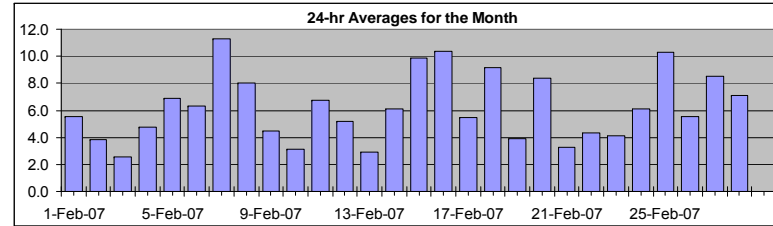
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	30.7	km/hr	15-Feb	0:00 1:00
Maximum 24-hr Value:	11.3	km/hr	7-Feb	

Calm Time:	10 hrs	1% calms	Operational Time:	662 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	22.6	14.7	8.4	4.8	3.0	1.5	1.0	6.2 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		
1-Feb-07	8	12	14	11	11	8	8	8	4	5	4	2	1	2	4	4	4	2	2	3	3	5	5	3	7	5.5	13.8
2-Feb-07	4	5	6	7	7	6	7	7	4	2	4	3	3	3	3	3	3	3	1	1	2	3	2	2	3.8	7.3	
3-Feb-07	2	4	2	2	3	3	3	4	3	4	3	4	2	3	4	3	2	2	1	1	1	2	1	2	2.6	4.5	
4-Feb-07	3	2	3	2	5	3	5	7	7	16	10	4	3	3	3	6	6	4	5	4	4	3	3	2	4.8	16.5	
5-Feb-07	3	3	5	2	3	4	4	4	5	4	3	8	3	13	15	11	12	10	10	8	8	7	7	6	6.9	15.3	
6-Feb-07	5	5	6	6	6	2	2	7	3	3	5	4	7	7	6	5	6	8	7	10	11	9	9	11	6.3	10.5	
7-Feb-07	7	8	12	12	12	9	11	12	12	14	12	11	13	16	18	15	13	15	11	11	8	6	6	6	11.3	17.8	
8-Feb-07	6	9	10	8	9	8	6	8	9	8	7	8	9	9	8	8	8	8	7	7	8	8	8	8	8.1	9.9	
9-Feb-07	8	8	9	8	8	8	7	7	5	4	2	4	3	3	4	4	3	2	2	2	2	1	2	1	4.5	8.6	
10-Feb-07	2	1	1	1	2	1	2	2	2	2	3	2	3	1	1	2	6	5	4	5	5	6	8	9	3.1	9.2	
11-Feb-07	9	8	7	7	5	4	3	3	4	4	6	7	7	8	8	7	7	8	6	6	8	8	10	11	6.8	11.2	
12-Feb-07	12	13	10	6	6	7	4	1	2	4	4	2	3	2	4	4	5	6	7	7	6	4	3	4	5.2	12.6	
13-Feb-07	2	2	1	3	4	calm	calm	calm	1	1	calm	1	1	1	2	3	2	6	5	6	5	5	3	3	2.9	6.1	
14-Feb-07	4	3	3	2	2	2	2	3	4	5	4	2	3	4	2	2	4	4	20	18	13	19	8	15	6.1	19.6	
15-Feb-07	31	25	24	18	21	19	16	11	5	12	12	5	3	3	2	4	2	2	2	2	5	5	4	4	9.9	30.7	
16-Feb-07	10	8	8	7	4	3	4	6	5	1	2	1	2	12	22	27	26	20	17	16	20	15	7	7	10.4	26.5	
17-Feb-07	4	2	5	3	4	4	6	10	10	13	10	7	7	8	6	2	3	6	2	4	4	4	2	3	5.4	12.7	
18-Feb-07	11	20	22	27	13	6	4	15	18	16	12	9	6	6	5	4	5	4	2	3	4	4	3	3	9.1	27.1	
19-Feb-07	1	4	4	8	7	4	3	3	4	3	4	2	4	5	4	4	6	2	2	2	4	5	4	4	3.9	8.3	
20-Feb-07	12	12	10	11	13	11	10	8	11	15	12	13	9	7	8	9	6	4	2	calm	2	3	2	5	8.4	14.7	
21-Feb-07	5	4	4	3	1	2	4	5	5	4	2	3	3	2	2	2	4	2	3	2	5	4	3	2	3.3	5.5	
22-Feb-07	4	4	3	4	4	2	1	1	3	5	3	2	3	3	4	4	5	3	6	5	8	7	11	9	4.3	10.7	
23-Feb-07	9	6	9	9	8	4	3	3	5	3	3	1	2	1	calm	1	2	6	5	2	4	3	3	4	4.1	9.2	
24-Feb-07	3	3	4	4	3	3	4	3	3	2	4	2	1	2	4	2	3	3	8	18	23	19	15	9	6.1	23.0	
25-Feb-07	14	16	14	10	11	13	13	10	9	9	10	9	9	8	9	9	8	8	6	8	11	12	12	11	10.3	15.5	
26-Feb-07	8	10	10	9	9	9	6	4	3	2	1	calm	calm	calm	calm	2	3	3	5	3	4	5	8	6	5.6	9.8	
27-Feb-07	3	4	8	12	10	4	9	11	10	10	7	8	7	9	8	8	8	8	9	9	10	11	11	10	8.5	11.6	
28-Feb-07	11	12	12	11	11	10	10	9	7	7	7	8	7	9	8	5	2	2	1	4	5	5	3	4	7.1	11.9	
1-hr Average	7.2	7.5	8.0	7.6	7.2	5.8	5.8	6.4	5.9	6.2	5.7	4.9	5.0	5.6	6.2	5.7	5.7	5.7	5.7	6.2	7.0	6.7	5.8	6.0			
Hourly Max	30.7	24.8	23.5	27.1	21.1	18.6	16.1	14.6	17.6	16.5	12.4	13.0	13.5	15.6	21.8	26.5	25.6	19.9	19.6	18.2	23.0	19.0	15.2	15.5			

PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

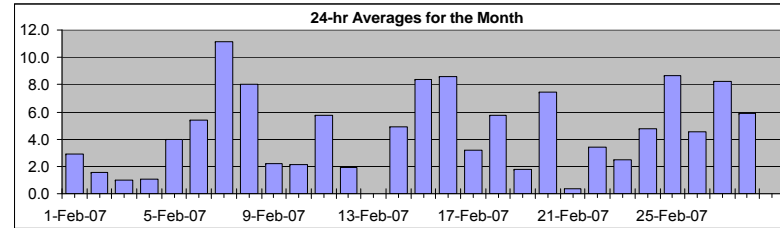
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	30.7	km/hr	15-Feb	0:00 1:00
Maximum 24-hr Value:	11.1	km/hr	7-Feb	



Calm Time:	43 hrs	6% calms	Operational Time:	629 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	22.7	14.7	8.4	4.9	2.6	1.2	0.9	2.7 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	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-Feb-07	8	12	14	11	10	8	8	4	5	3	1	1	2	4	4	4	1	calm	calm	3	5	5	2	7	2.9	13.6	
2-Feb-07	4	4	6	7	7	6	7	7	3	calm	1	3	1	2	3	3	2	3	calm	calm	1	1	2	calm	1	1.6	7.1
3-Feb-07	calm	1	1	calm	2	1	calm	2	1	2	2	4	1	2	2	1	2	2	1	1	calm	1	calm	calm	1.0	3.6	
4-Feb-07	3	calm	2	1	4	3	4	6	5	16	10	4	3	3	3	6	6	4	4	2	2	2	3	2	1.1	16.4	
5-Feb-07	3	2	4	1	2	4	4	4	5	3	2	8	10	13	15	11	12	10	9	8	8	7	6	6	4.0	15.0	
6-Feb-07	5	5	6	6	6	1	1	7	2	3	5	4	6	7	6	5	6	8	7	10	11	9	9	10	5.4	10.5	
7-Feb-07	7	8	12	12	12	9	11	12	12	14	12	10	13	16	18	15	12	15	11	10	8	6	6	5	11.1	17.7	
8-Feb-07	6	8	10	8	9	8	6	8	9	8	7	8	9	9	8	8	8	8	7	7	8	8	8	8	8.0	9.9	
9-Feb-07	8	8	9	8	8	8	7	7	5	4	calm	4	3	3	3	3	2	2	2	1	1	1	1	calm	2.2	8.6	
10-Feb-07	1	1	1	1	2	1	2	2	2	1	3	calm	3	calm	calm	1	6	5	4	5	5	6	8	9	2.1	9.2	
11-Feb-07	9	8	7	7	5	4	3	3	4	4	6	7	7	8	8	7	7	8	6	6	8	8	10	11	5.8	11.2	
12-Feb-07	12	13	10	6	6	7	3	1	2	4	4	calm	3	2	3	3	4	5	7	7	6	4	3	4	1.9	12.6	
13-Feb-07	1	calm	1	2	2	calm	calm	calm	1	calm	calm	calm	calm	1	1	2	1	6	3	4	3	2	1	calm	N	5.5	
14-Feb-07	1	1	calm	1	1	2	1	2	3	5	3	2	1	4	1	1	3	2	19	18	13	19	7	13	4.9	19.5	
15-Feb-07	31	25	24	18	21	19	16	11	3	12	12	2	2	3	calm	4	1	2	2	2	5	5	4	4	8.4	30.7	
16-Feb-07	10	8	8	7	4	3	3	6	5	calm	calm	1	2	12	22	26	26	20	17	16	20	15	7	7	8.6	26.4	
17-Feb-07	3	2	5	3	4	4	6	10	10	13	10	7	7	8	6	2	3	5	1	3	4	3	2	2	3.2	12.6	
18-Feb-07	11	20	22	27	12	5	2	14	17	15	11	8	6	6	4	4	5	4	2	3	4	3	3	3	5.7	26.9	
19-Feb-07	calm	4	3	8	6	3	2	3	3	2	4	1	4	5	4	4	5	1	2	1	4	4	2	3	1.8	7.9	
20-Feb-07	12	11	10	11	13	10	10	8	10	15	12	13	9	6	6	9	6	4	2	calm	2	2	2	5	7.4	14.6	
21-Feb-07	5	4	4	3	calm	1	4	5	5	4	2	3	3	2	2	2	4	2	3	2	5	4	3	1	0.3	5.4	
22-Feb-07	3	3	3	2	3	1	1	1	3	5	2	calm	3	3	3	4	5	3	6	5	8	6	11	9	3.4	10.7	
23-Feb-07	9	6	9	9	7	3	3	3	5	3	1	1	2	calm	calm	1	1	4	3	1	3	3	3	4	2.5	9.2	
24-Feb-07	3	3	3	4	3	2	4	3	1	2	1	2	calm	2	4	2	3	2	8	18	23	19	15	8	4.8	23.0	
25-Feb-07	14	15	13	8	11	13	13	10	9	8	10	9	8	7	9	9	8	8	6	8	11	12	12	10	8.7	15.5	
26-Feb-07	8	10	10	9	9	8	6	4	3	2	calm	calm	calm	calm	calm	2	3	3	5	3	4	5	8	6	4.5	9.8	
27-Feb-07	2	3	8	12	8	4	9	11	10	10	6	8	7	8	8	7	8	8	9	9	10	11	11	10	8.2	11.6	
28-Feb-07	11	12	12	11	11	10	10	9	7	6	6	7	7	9	8	2	2	2	1	4	5	5	3	4	5.9	11.8	
1-hr Vector	10.8	11.7	9.9	8.7	7.1	6.7	6.9	6.8	7.8	10.5	11.1	13.1	12.7	13.4	10.4	4.1	3.4	2.6	3.7	2.6	2.8	2.6	3.2	2.2			
Hourly Max	30.7	24.8	23.5	26.9	21.1	18.5	16.1	14.0	17.5	16.4	12.3	12.9	13.4	15.5	21.8	26.4	25.6	19.7	19.5	18.2	23.0	18.8	15.2	13.1			

PASZA – Beaverlodge - Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	356.9	345.9	314.9	193.4	63.6	22.5	4.2	359 deg

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00	1:00	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	WD Sector
	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-Feb-07	340	4	17	27	118	118	132	124	110	90	154	169	102	89	64	65	63	357	24	54	351	324	291	326	46	NE
2-Feb-07	309	332	335	331	328	349	336	335	23	79	52	244	121	119	111	143	153	111	344	245	87	67	238	97	2	N
3-Feb-07	219	98	95	56	58	250	338	356	1	316	14	47	49	300	358	297	129	130	158	84	298	68	61	187	23	NNE
4-Feb-07	255	96	332	219	345	10	1	305	52	37	37	193	204	144	145	123	138	200	171	310	12	90	239	325	41	NE
5-Feb-07	290	145	230	175	247	196	164	183	162	169	297	343	350	354	4	6	338	333	326	332	352	353	3	15	342	NNW
6-Feb-07	17	18	41	120	110	342	328	55	118	95	106	36	56	82	86	85	90	114	106	89	86	84	91	96	81	E
7-Feb-07	98	88	91	83	95	96	82	80	82	82	83	80	82	88	84	94	85	83	77	71	92	83	56	52	84	E
8-Feb-07	45	43	37	30	45	49	40	28	29	30	28	29	26	27	25	24	29	38	41	40	34	32	31	30	34	NNE
9-Feb-07	27	32	34	40	37	41	42	41	33	35	70	281	267	253	246	232	216	223	194	155	164	272	314	341	24	NNE
10-Feb-07	308	246	256	260	267	286	314	54	37	22	37	246	255	224	212	338	25	34	46	35	23	345	344	337	357	N
11-Feb-07	342	345	345	357	354	359	3	7	4	22	36	35	33	47	46	42	36	52	40	80	70	74	75	70	35	NE
12-Feb-07	69	76	71	53	34	35	27	237	266	286	299	340	265	262	258	222	148	301	305	312	308	301	290	300	356	N
13-Feb-07	42	194	257	274	12	30	232	274	57	295	67	271	152	262	295	312	37	323	345	357	332	53	45	49	349	N
14-Feb-07	17	250	213	200	239	180	79	307	226	309	330	307	214	230	253	87	176	214	254	256	259	265	270	273	259	WSW
15-Feb-07	270	278	274	271	281	282	275	263	184	262	279	56	222	62	200	335	128	201	307	325	322	320	302	306	277	W
16-Feb-07	328	332	349	358	0	357	356	338	338	23	90	94	74	282	280	276	280	267	261	269	278	281	258	252	288	WNW
17-Feb-07	227	200	240	80	90	82	106	123	130	126	118	113	129	134	140	224	296	346	38	275	65	95	190	36	121	ESE
18-Feb-07	293	274	263	272	260	216	293	351	341	349	351	350	321	320	358	50	53	40	167	182	153	160	275	327	305	NW
19-Feb-07	299	334	14	6	18	96	94	201	113	316	328	68	284	263	299	312	315	40	249	232	280	252	189	340	321	NW
20-Feb-07	330	340	354	347	349	353	345	339	324	333	331	331	336	9	40	27	30	63	217	184	188	313	318	318	344	NNW
21-Feb-07	333	356	16	9	258	186	158	116	113	118	275	303	40	197	68	180	190	167	59	308	314	327	279	259	355	N
22-Feb-07	307	316	269	341	290	52	71	278	321	329	334	43	254	225	214	257	284	338	334	337	342	342	328	328	319	NW
23-Feb-07	327	328	329	321	318	315	315	305	319	313	353	133	238	204	93	71	24	13	29	88	148	138	77	63	340	NNW
24-Feb-07	85	91	117	81	88	74	72	63	4	103	303	56	285	59	270	13	289	52	91	93	94	100	107	85	87	E
25-Feb-07	47	48	57	54	344	341	336	9	357	6	28	30	25	351	334	326	327	327	337	329	332	330	330	331	359	N
26-Feb-07	337	329	324	328	333	336	353	31	32	68	41	67	66	81	73	41	53	51	55	42	53	38	36	33	4	N
27-Feb-07	14	43	24	337	345	12	337	338	333	330	341	351	337	333	331	333	331	332	329	328	333	333	334	341	340	NNW
28-Feb-07	341	339	336	340	337	338	333	332	341	345	348	345	27	31	36	123	226	234	289	38	41	27	29	340	352	N
Hourly Avg	337	336	335	330	331	331	326	335	340	324	329	323	328	319	319	318	335	330	351	8	118	140	104	98		

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

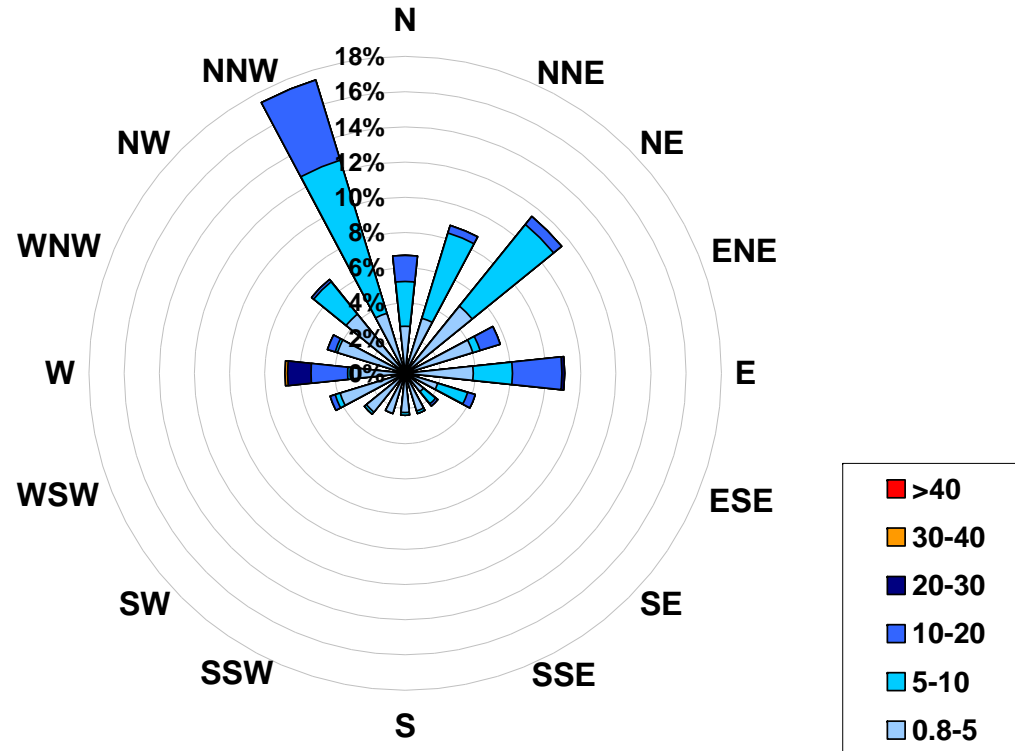
Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	63.3	45.7	25.1	10.7	5.8	2.8	2.2

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																							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-Feb-07	10	9	7	7	32	41	5	20	7	25	41	39	26	25	9	31	36	50	33	32	22	9	54	8	53.8
2-Feb-07	10	22	10	3	3	6	5	15	35	41	45	12	21	16	12	13	17	36	40	54	57	25	41	30	57.3
3-Feb-07	36	36	38	46	17	56	70	38	39	41	30	35	64	48	22	32	34	20	31	39	41	38	55	52	70.2
4-Feb-07	13	29	29	32	18	27	29	20	26	3	18	12	17	23	9	6	15	23	17	25	33	16	15	33	33.3
5-Feb-07	34	34	38	66	46	12	14	20	9	13	44	10	9	11	8	12	8	7	8	9	11	10	8	8	66.5
6-Feb-07	8	8	6	10	4	26	21	4	18	23	7	10	11	7	7	14	8	8	7	4	5	5	7	7	25.9
7-Feb-07	14	7	5	4	5	7	5	4	6	4	5	4	4	4	5	6	7	9	5	5	16	18	13	10	18.1
8-Feb-07	12	8	5	6	5	8	7	4	4	3	4	5	4	4	5	4	5	4	4	4	5	4	4	4	11.5
9-Feb-07	3	4	4	3	3	2	3	3	3	4	49	7	7	10	10	10	8	13	12	11	17	29	23	16	49.1
10-Feb-07	39	20	11	5	6	16	13	11	28	24	7	39	15	70	74	37	8	6	9	6	9	9	8	5	73.8
11-Feb-07	8	8	8	9	12	12	11	8	9	6	4	4	6	6	4	5	5	5	5	11	7	5	4	3	12.2
12-Feb-07	7	3	8	10	5	5	43	19	8	9	12	38	10	13	6	9	18	7	6	17	17	25	8	19	42.9
13-Feb-07	38	57	34	21	25	45	21	14	18	28	13	28	63	56	51	46	46	18	23	23	17	42	65	53	65.2
14-Feb-07	37	34	31	38	26	41	54	31	19	11	18	30	24	16	46	34	24	20	4	3	5	2	43	38	54.4
15-Feb-07	3	3	2	2	2	2	3	32	30	4	3	20	43	22	41	23	27	12	5	7	2	3	6	5	43.3
16-Feb-07	5	6	7	9	13	10	12	4	10	43	45	13	33	12	3	4	3	5	3	3	3	3	7	11	44.6
17-Feb-07	18	29	9	28	13	5	5	4	7	3	6	6	5	5	7	35	17	18	40	20	26	24	29	35	40.3
18-Feb-07	7	3	5	3	6	22	45	14	6	9	10	13	12	14	25	11	5	14	32	42	7	10	23	32	45.0
19-Feb-07	35	8	34	7	14	12	19	22	19	34	33	52	13	11	9	12	10	60	47	53	40	16	45	42	59.6
20-Feb-07	5	8	9	8	7	11	8	9	8	6	6	8	11	12	21	5	6	11	10	66	14	27	44	5	65.8
21-Feb-07	8	8	11	20	22	33	7	6	5	8	42	33	13	49	31	36	7	16	10	20	6	21	20	22	49.3
22-Feb-07	31	33	14	27	32	36	43	14	6	2	40	47	5	7	15	11	11	21	4	10	7	11	2	4	47.1
23-Feb-07	3	28	4	4	4	10	25	7	6	17	47	28	15	29	41	38	38	36	17	27	14	25	17	12	47.4
24-Feb-07	9	11	24	12	7	38	9	24	56	34	38	20	17	43	15	44	36	23	7	3	3	5	5	24	56.4
25-Feb-07	7	4	7	18	12	5	5	8	8	11	9	8	11	14	5	6	5	4	5	4	3	2	3	4	18.2
26-Feb-07	6	4	4	4	3	3	11	9	7	6	30	27	34	37	38	13	10	9	4	25	7	6	2	31	37.9
27-Feb-07	57	22	7	3	16	23	15	2	3	7	8	12	9	6	6	5	4	3	3	2	2	2	3	3	56.9
28-Feb-07	4	2	2	3	2	3	2	3	7	9	10	13	12	7	7	32	6	7	17	5	4	4	19	29	32.0

Hourly Max	57	57	38	66	46	56	70	38	56	43	49	52	64	70	74	46	46	60	47	66	57	42	65	53
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1-hr Average Wind Rose (in km/hr) Located at the Beaverlodge Site for February 2007



Calms: 1%

Frequency Distribution of Wind in km/hr Range			Frequency (hrs)
0.8	<	5	339
5	to	10	212
10	to	20	100
20	to	30	10
30	to	40	1
	>	40	0
Total Non-Zero Values			662

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

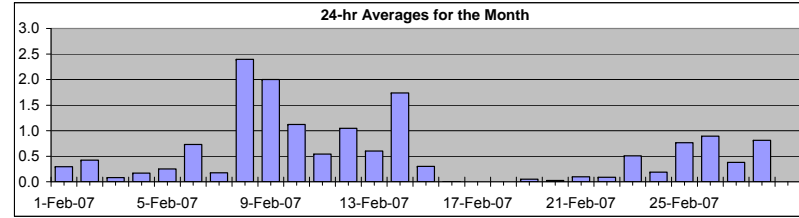
Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 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:	6.2 ppb	8-Feb	11:00	12:00
Maximum 24-hr Average:	2.4 ppb	8-Feb		



AIC Time:	30 hrs	Operational Time:	638 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.0	2.3	0.8	0.2	0.0	0.0	0.0	0.6 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	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-Feb-07	0:00	1:00	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.3	1.2
2-Feb-07	0:00	1:00	0	0	A	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0	0	0.4	0.6
3-Feb-07	0:00	1:00	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
4-Feb-07	0:00	1:00	0	0	0	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0.2	0.6
5-Feb-07	0:00	1:00	0	0	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0.3	1.2
6-Feb-07	0:00	1:00	0	A	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0.7	1.5
7-Feb-07	A	0:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.2	0.5
8-Feb-07	1	0	1	1	1	1	2	2	2	2	2	4	5	6	5	4	3	3	2	1	1	1	1	3	A	3	2.4	6.2
9-Feb-07	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	A	2	2	2	2.0	2.5
10-Feb-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	A	1	1	1	1.1	1.6
11-Feb-07	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	A	2	1	0	0	0	0.5	2.4
12-Feb-07	0	0	0	0	0	0	0	0	1	1	1	1	3	4	4	3	2	1	1	A	1	0	0	0	0	0	1.0	4.4
13-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	A	1	2	2	2	2	2	2	0.6	2.4
14-Feb-07	2	2	2	3	4	4	3	2	2	1	1	1	1	1	1	1	1	A	1	1	1	2	1	1	0	0	1.7	4.0
15-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	A	1	1	1	1	0	0	0	0	0	0.3	1.5
16-Feb-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	0.0	0.1
17-Feb-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	0.0	0.0
18-Feb-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	0.0	0.0
19-Feb-07	0	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	0.0	0.5
20-Feb-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	0	0.0	0.2
21-Feb-07	0	2	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	1.7
22-Feb-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0.1	0.7
23-Feb-07	0	0	0	0	0	0	0	0	0	A	1	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0.5	1.4
24-Feb-07	1	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	0.2	0.6
25-Feb-07	0	0	0	1	1	A	1	0	1	1	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0.8	2.3
26-Feb-07	0	0	0	0	A	0	0	0	1	2	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0.9	2.9
27-Feb-07	0	1	1	A	1	1	1	0	0	0	0	0	0	0	C	C	C	C	A	0	0	1	0	0	0	0	0.4	0.9
28-Feb-07	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0.8	1.6
Hourly Avg			0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.5	0.4	0.4		
Hourly Max			2.3	2.0	2.0	3.3	4.0	3.6	3.1	2.4	2.4	4.1	5.4	6.2	5.1	4.4	3.0	2.5	2.5	2.3	1.9	2.0	2.4	3.2	2.2	3.4		

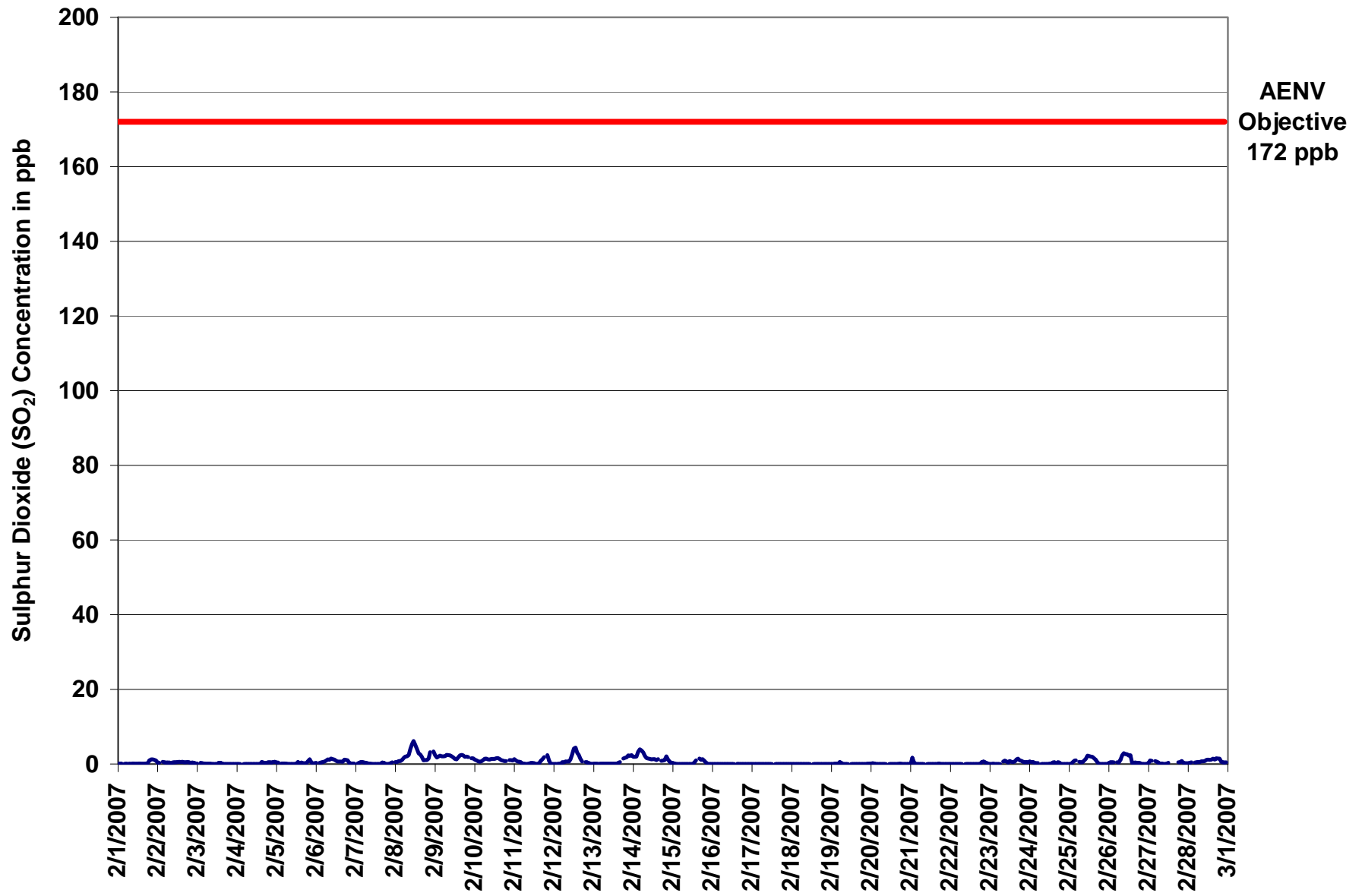


Figure 46. PASZA - Portable-Falher Sulphur Dioxide 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

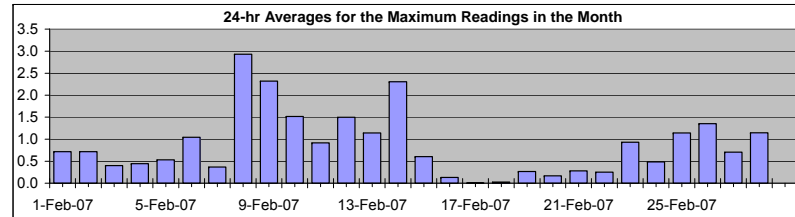
Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	6.5	ppb	8-Feb	11:00 12:00
Maximum 24-hr Value:	2.9	ppb	8-Feb	

AIC Time:	30 hrs	Operational Time:	638 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.9	2.6	1.1	0.5	0.1	0.0	0.0	0.9 ppb	0.5 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Feb-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0.7	1.9
2-Feb-07	1	0	A	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0.7	1.0
3-Feb-07	1	A	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0.4	0.8
4-Feb-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	1	1	1	1	1	0.4	2.6
5-Feb-07	1	1	A	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	2	1	0	1	0.5	1.8
6-Feb-07	1	A	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	1	1	0	1	1	1	1.0	1.7
7-Feb-07	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	A	0.4	0.7
8-Feb-07	1	1	1	1	2	2	2	3	3	5	6	7	6	5	4	3	3	2	2	1	2	4	A	4	2.9	6.5
9-Feb-07	3	2	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	2	3	2	A	2	2	2.3	3.0
10-Feb-07	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	A	2	2	1	1.5	2.1
11-Feb-07	2	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	2	4	A	3	2	0	0	0	0.9	3.5
12-Feb-07	0	0	0	1	1	1	1	1	1	1	2	4	5	5	4	3	2	1	A	1	1	1	1	0	1.5	4.7
13-Feb-07	0	0	0	0	0	1	1	1	1	1	1	1	5	0	0	1	1	A	2	2	2	3	3	3	1.1	5.3
14-Feb-07	2	3	3	4	4	4	3	3	2	2	1	1	1	1	1	5	A	1	1	2	3	2	1	0	2.3	5.4
15-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	A	2	2	2	2	1	0	0	0	0.6	2.6
16-Feb-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	2	0	0	0	0	0	0	0	0	0.1	1.9
17-Feb-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
18-Feb-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	0.3
19-Feb-07	0	0	0	0	0	1	1	0	0	1	0	A	1	0	0	0	0	0	0	0	0	0	1	1	0.3	1.0
20-Feb-07	1	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0.2	0.6
21-Feb-07	1	3	1	0	0	0	0	0	0	A	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0.3	2.5
22-Feb-07	0	0	0	0	0	0	0	0	A	0	0	0	0	0	1	0	0	1	1	1	1	1	1	0	0.2	1.0
23-Feb-07	0	1	0	0	0	0	0	A	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0.9	1.8
24-Feb-07	1	1	1	0	0	0	A	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0.5	1.0
25-Feb-07	0	0	1	1	1	A	1	1	1	1	2	3	2	2	2	2	1	1	0	0	0	0	0	0	1.1	3.0
26-Feb-07	1	1	1	1	A	1	1	2	2	3	3	3	2	5	0	0	0	0	0	0	0	0	0	0	1.4	5.1
27-Feb-07	1	1	1	A	1	1	1	0	0	0	0	0	0	C	C	C	C	A	1	1	1	1	0	0	0.7	1.4
28-Feb-07	0	0	1	A	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1	0	0	1.1	2.0
Hourly Avg	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	1.0	1.0	1.1	1.3	1.2	1.1	1.3	0.9	0.9	1.0	0.8	0.9	0.7	0.6	0.7		
Hourly Max	3.0	2.5	2.5	4.0	4.5	4.0	3.5	2.8	3.2	5.0	6.0	6.5	6.0	5.1	4.1	5.4	2.6	2.6	3.5	2.6	3.0	4.0	2.5	4.0		

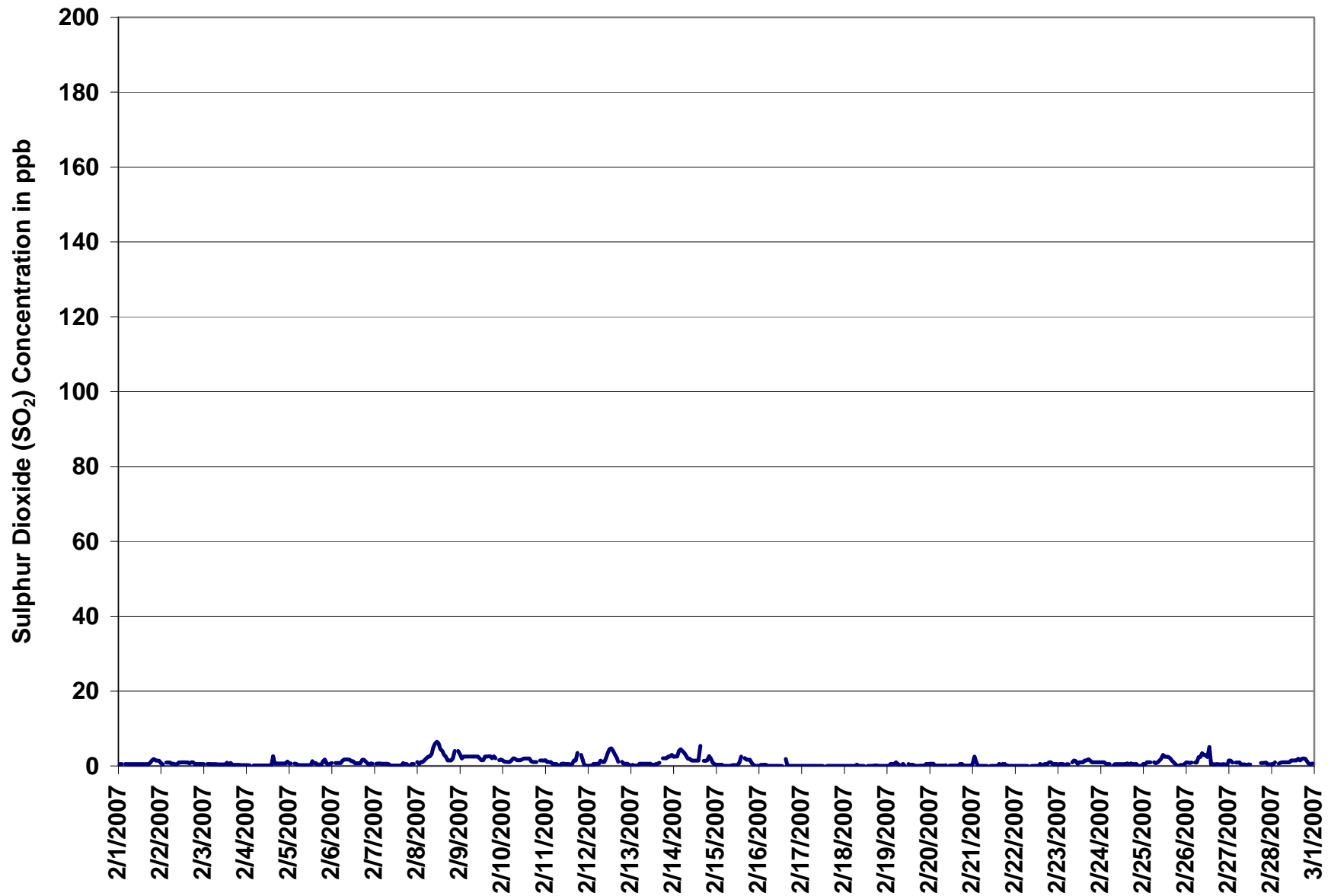
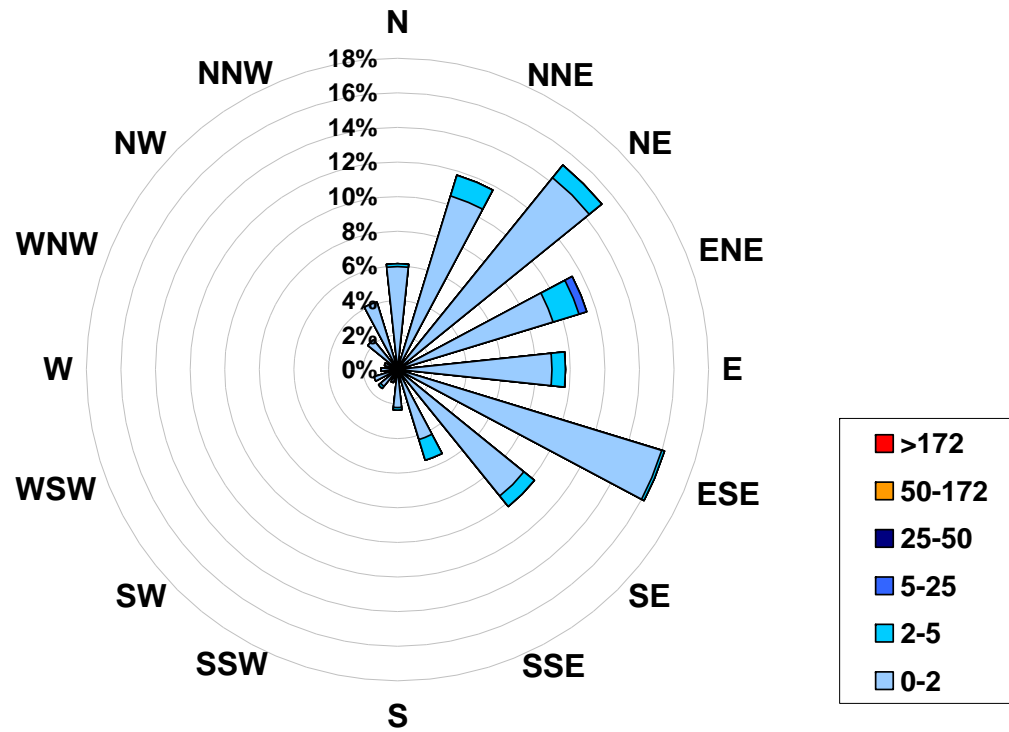


Figure 47. PASZA - Portable-Falher Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2		589
2	to 5		46
5	to 25		3
25	to 50		0
50	to 172		0
	> 172		0
Total Non-Zero Values			638

PASZA - Portable-Falher - Ozone Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Ozone (O₃)

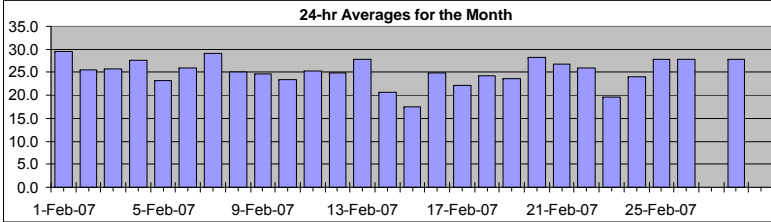
Monitoring Dates: February 1, 2007 to March 1, 2007

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

Summary

Number of 1-hr Exceedances:		0	
Maximum 1-hr Average:	36.9 ppb	24-Feb	21:00 22:00
Maximum 24-hr Average:	29.4 ppb	1-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	34.5	32.3	28.3
		25.6	22.8
		5	1
		16.5	9.5
		Average	Median
		25.3 ppb	25.6 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
1-Feb-07	36	36	36	A	34	34	33	33	27	22	30	32	32	33	33	30	28	24	22	25	25	26	25	25	29.4	35.8	
2-Feb-07	24	26	A	25	24	22	22	23	24	25	27	30	31	32	32	33	33	31	28	24	22	20	19	11	25.5	33.1	
3-Feb-07	13	A	22	21	20	20	24	25	24	27	29	30	29	29	28	30	28	27	26	23	24	31	31	31	25.8	31.1	
4-Feb-07	30	30	29	A	27	27	27	28	27	28	28	28	28	29	30	30	29	27	24	24	25	26	27	26	27.6	30.1	
5-Feb-07	23	22	A	22	23	23	22	23	22	23	23	23	23	24	24	23	24	24	24	23	22	24	25	25	23.2	25.5	
6-Feb-07	24	A	23	23	23	22	20	20	22	28	29	30	30	29	30	30	30	26	20	21	27	29	32	32	26.0	32.3	
7-Feb-07	A	32	31	30	29	30	30	30	31	32	32	33	30	29	29	29	26	26	26	28	28	26	24	A	29.1	32.6	
8-Feb-07	23	22	22	23	23	23	23	23	24	24	25	25	25	26	28	27	27	28	29	29	28	26	A	26	25.1	28.7	
9-Feb-07	26	26	26	26	26	25	25	25	25	25	26	26	26	27	27	26	26	25	22	21	21	A	21	21	24.7	26.9	
10-Feb-07	22	24	23	25	25	21	22	22	22	23	23	24	24	24	24	24	24	25	26	26	25	A	21	21	24	23.4	25.7
11-Feb-07	24	25	25	25	25	25	24	24	22	22	22	23	24	25	26	26	28	26	26	A	27	28	31	30	25.3	30.8	
12-Feb-07	29	29	29	28	28	27	27	25	25	25	26	27	27	28	29	28	28	24	A	19	16	17	12	17	24.8	29.4	
13-Feb-07	23	26	27	24	26	27	26	27	26	26	27	28	29	31	33	33	33	A	29	28	27	27	27	27	27.9	33.3	
14-Feb-07	25	24	24	22	20	19	19	18	19	18	20	21	22	23	24	23	23	A	19	18	16	13	16	20	23	20.6	25.2
15-Feb-07	25	25	24	20	18	17	17	13	11	14	18	17	15	21	20	A	13	9	12	15	22	15	18	24	17.5	25.2	
16-Feb-07	26	25	24	25	26	28	27	27	27	27	28	29	30	30	A	30	30	29	28	24	6	8	17	19	24.8	30.2	
17-Feb-07	18	21	23	20	20	21	20	22	23	23	23	22	23	A	25	28	28	25	23	22	19	19	20	23	22.2	27.9	
18-Feb-07	23	22	22	20	28	34	25	20	21	24	27	A	27	27	28	27	26	25	22	17	23	24	23	23	24.3	34.2	
19-Feb-07	25	25	24	25	23	21	20	19	19	22	23	A	24	25	26	26	26	25	24	24	23	24	25	25	23.6	26.2	
20-Feb-07	25	22	23	24	26	26	27	27	28	29	A	31	31	32	32	32	32	31	30	30	29	29	28	27	28.3	32.3	
21-Feb-07	27	27	27	26	28	28	28	28	27	A	27	27	27	27	27	27	27	27	26	26	26	24	26	27	27	26.9	28.2
22-Feb-07	27	27	27	27	26	26	24	22	A	21	23	24	26	27	28	29	28	27	26	26	26	26	27	27	25.9	28.6	
23-Feb-07	26	27	27	28	27	27	26	A	12	16	19	22	23	24	24	23	20	16	15	14	10	7	6	9	19.5	27.7	
24-Feb-07	9	10	13	13	16	17	A	16	17	19	21	24	25	26	29	30	32	31	29	33	36	37	37	35	24.1	36.9	
25-Feb-07	33	31	27	25	24	A	23	23	24	24	24	26	29	29	29	30	30	31	30	30	28	29	30	34	27.9	33.5	
26-Feb-07	28	24	23	21	A	20	22	20	27	26	29	31	31	32	34	34	33	30	31	31	31	29	28	27	27.9	34.2	
27-Feb-07	29	30	30	A	30	30	30	31	31	30	30	32	32	33	C	C	C	C	C	A	26	24	21	23	N	33.2	
28-Feb-07	24	24	23	A	22	25	29	29	29	29	30	31	31	32	33	32	30	28	28	26	25	25	28	28	27.9	32.7	
Hourly Avg	24.7	25.5	25.2	23.6	24.7	24.6	24.5	23.8	23.5	24.1	25.5	26.7	27.1	28.0	28.0	28.5	27.7	25.7	24.9	24.1	23.2	23.7	24.2	24.7			
Hourly Max	35.5	35.8	35.7	30.1	33.8	34.2	33.3	32.7	31.0	32.1	31.8	32.6	32.3	33.2	34.2	33.7	33.0	31.3	31.4	33.1	36.5	36.9	36.7	34.6			

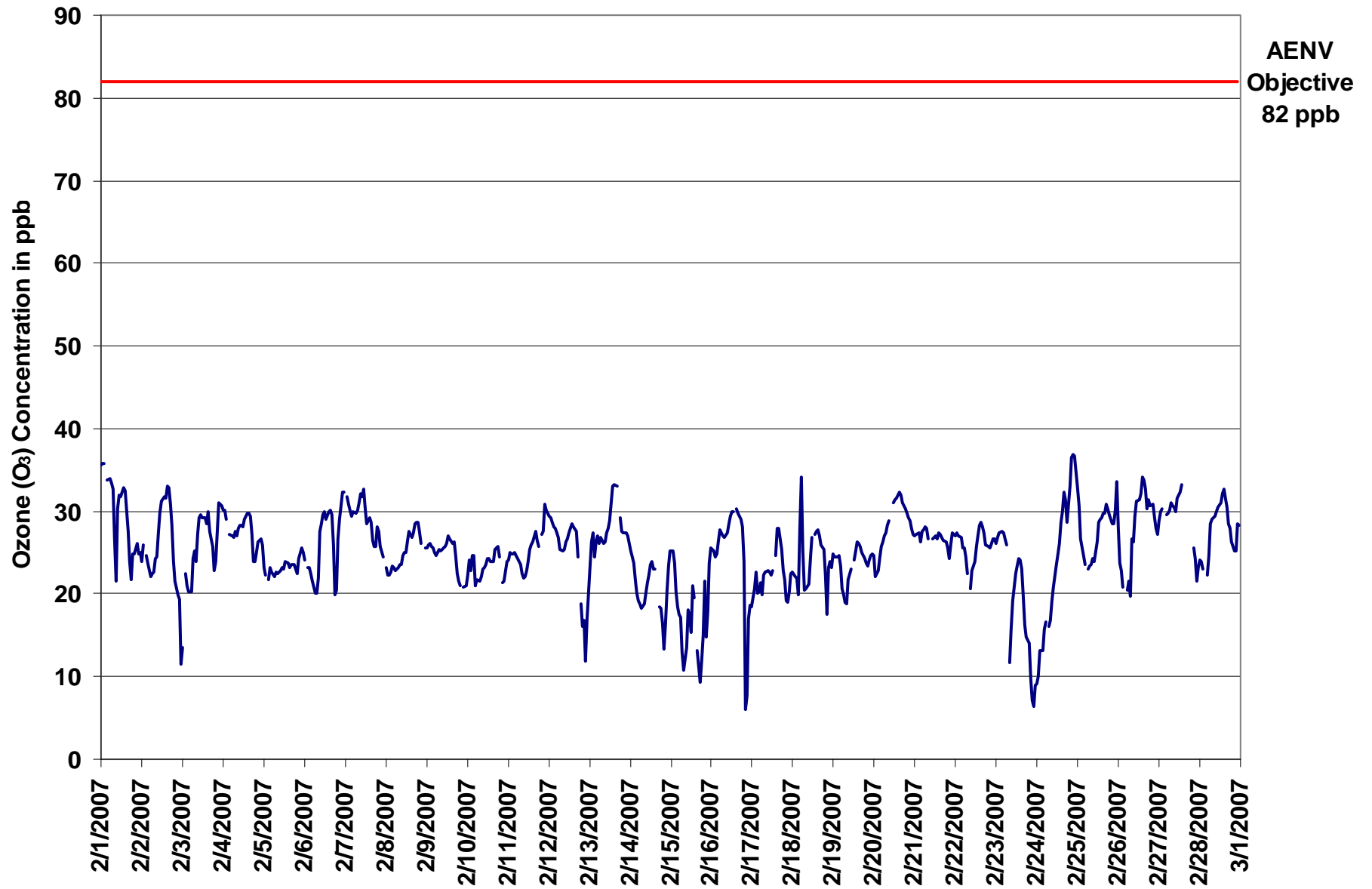


Figure 48. PASZA - Portable-Falher Ozone 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

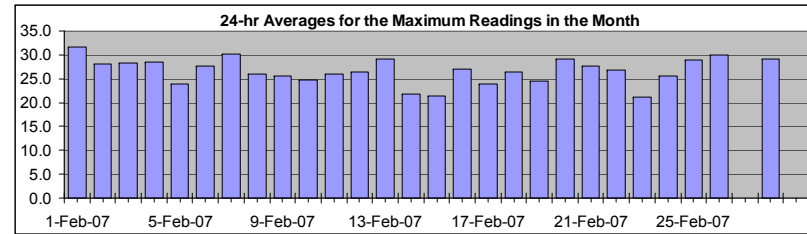
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	38.5	ppb	26-Feb	18:00 19:00
Maximum 24-hr Value:	31.6	ppb	1-Feb	



AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	36.3	33.8	29.4	27.0	24.1	19.0	12.9	26.7 ppb	27.0 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-Feb-07	36	36	36	A	34	35	34	34	34	29	32	33	33	33	34	33	30	28	25	26	26	27	27	29	31.6	36.4
2-Feb-07	25	28	A	26	25	27	27	24	26	26	29	31	33	33	33	34	34	33	33	32	25	23	23	18	28.1	34.5
3-Feb-07	19	A	24	23	22	23	27	26	26	29	30	30	30	30	30	38	35	28	28	28	29	33	33	32	28.4	37.6
4-Feb-07	32	32	30	A	28	29	28	28	28	29	29	29	29	30	30	31	30	29	26	25	27	27	27	27	28.5	31.7
5-Feb-07	24	24	A	23	24	24	23	23	23	23	24	24	24	24	24	24	24	24	24	24	24	26	26	26	24.0	26.3
6-Feb-07	25	A	24	24	23	23	21	21	27	29	30	31	32	30	31	31	31	28	24	25	29	33	33	33	27.6	33.4
7-Feb-07	A	32	32	30	30	31	30	31	33	33	32	34	33	32	30	29	27	26	29	29	28	27	25	A	30.2	33.8
8-Feb-07	23	23	23	23	24	24	23	24	24	24	26	26	26	28	29	28	29	29	29	29	29	28	A	27	25.9	29.1
9-Feb-07	26	27	26	26	26	26	26	26	26	26	26	26	27	27	27	27	27	26	25	22	21	A	22	22	25.5	27.5
10-Feb-07	25	25	25	27	25	24	23	23	23	24	24	25	25	25	25	25	26	27	27	26	A	23	23	25	24.8	26.9
11-Feb-07	25	25	25	25	26	25	25	24	23	22	23	24	25	26	27	27	28	27	28	A	28	30	31	31	26.1	31.3
12-Feb-07	30	29	29	29	28	28	28	26	26	26	27	27	28	28	29	29	28	27	A	21	20	21	18	21	26.3	29.8
13-Feb-07	27	28	29	27	28	28	28	28	27	28	28	29	31	32	34	34	34	A	31	28	29	28	28	28	29.2	34.2
14-Feb-07	26	25	25	23	21	20	20	19	20	21	23	23	24	25	24	24	A	20	21	18	15	19	22	25	21.8	26.4
15-Feb-07	27	27	26	26	22	23	22	18	13	16	21	21	18	24	22	A	18	13	18	20	29	21	20	26	21.3	28.9
16-Feb-07	26	26	25	26	27	29	28	28	27	28	29	30	30	30	A	35	31	33	30	30	15	12	21	24	27.0	35.0
17-Feb-07	21	23	25	23	24	23	23	24	24	23	23	23	24	A	27	29	28	28	24	23	21	20	21	23	23.8	28.7
18-Feb-07	24	23	24	21	33	36	35	21	21	23	27	27	A	28	28	28	28	27	26	26	23	26	26	26	26.4	35.9
19-Feb-07	26	26	25	26	25	21	21	19	19	23	23	A	25	26	27	27	27	26	25	25	24	25	25	26	24.4	26.9
20-Feb-07	26	24	24	25	27	27	29	28	29	30	A	32	32	32	32	33	32	31	31	30	30	29	29	28	29.1	33.0
21-Feb-07	28	28	28	27	28	28	29	28	28	A	27	28	28	27	28	28	27	27	27	27	26	27	28	28	27.6	28.9
22-Feb-07	28	28	28	27	26	26	25	24	A	22	26	25	27	28	29	29	29	28	27	27	27	27	27	28	26.9	29.0
23-Feb-07	28	28	28	28	28	28	27	A	14	17	22	23	24	25	25	24	22	19	18	17	13	8	10	11	21.1	28.2
24-Feb-07	12	13	15	15	17	18	A	17	18	20	22	24	26	27	30	32	34	32	32	37	37	38	38	36	25.6	37.5
25-Feb-07	34	32	29	25	24	A	23	24	24	25	25	29	29	30	30	31	31	31	31	30	29	29	32	34	28.8	34.2
26-Feb-07	34	25	24	23	A	22	23	24	29	28	31	32	32	35	35	35	34	33	39	32	32	31	30	29	29.9	38.5
27-Feb-07	30	31	31	A	30	31	31	32	32	32	31	33	33	36	C	C	C	C	C	A	27	25	23	24	N	36.1
28-Feb-07	25	24	24	A	23	28	30	30	30	30	30	31	32	33	33	33	31	30	31	27	27	27	29	29	29.0	33.4
Hourly Avg	26.3	26.6	26.3	25.0	25.8	26.1	26.2	25.0	25.0	25.4	26.7	27.7	28.1	29.1	29.0	29.9	29.1	27.4	27.2	26.2	25.5	25.5	25.8	26.5		
Hourly Max	36.2	36.4	35.9	30.4	34.4	35.9	34.6	34.4	33.9	32.6	32.5	33.8	33.1	36.1	35.0	37.6	35.5	33.0	38.5	36.6	37.1	37.5	37.5	35.6		

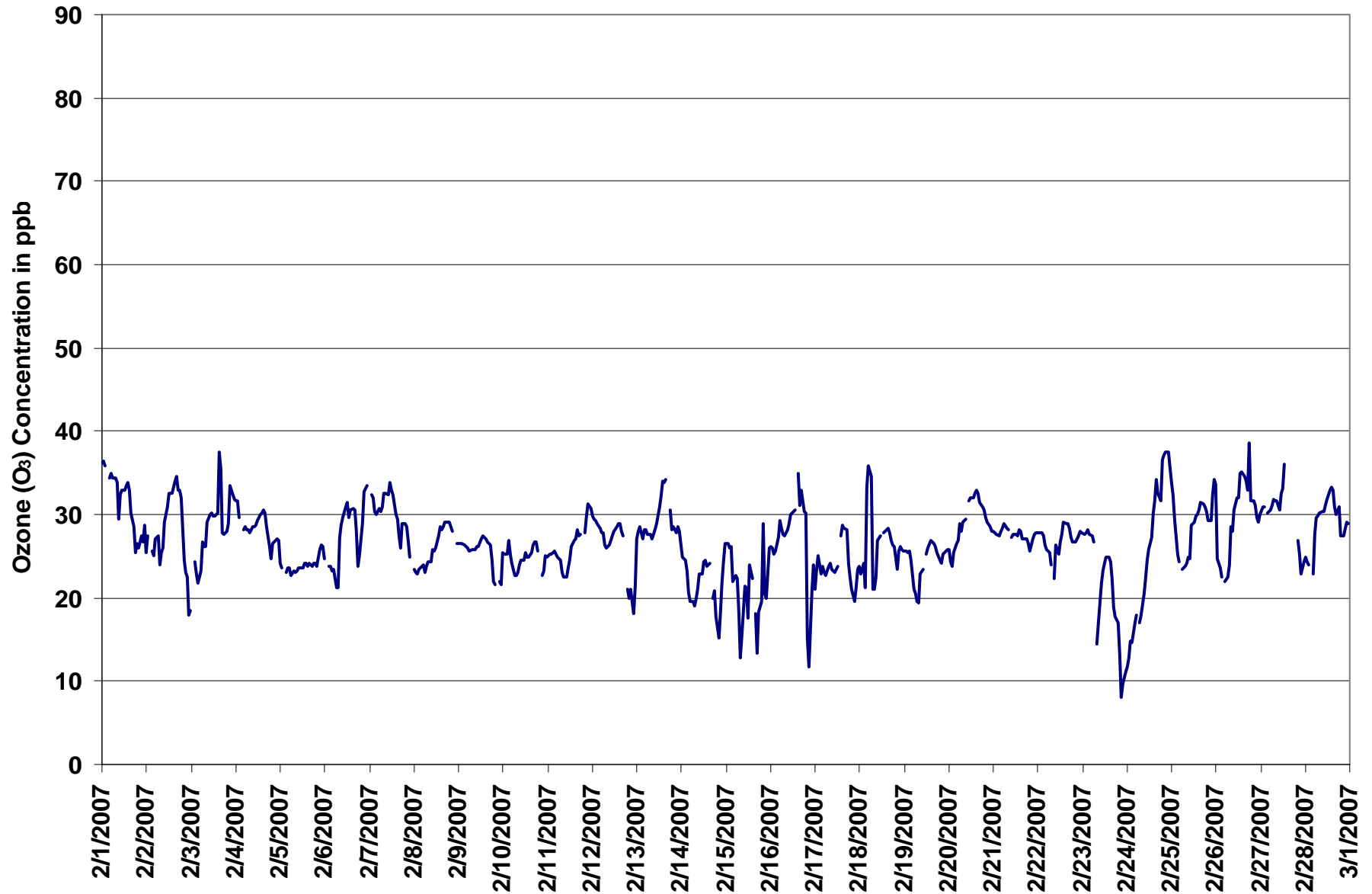
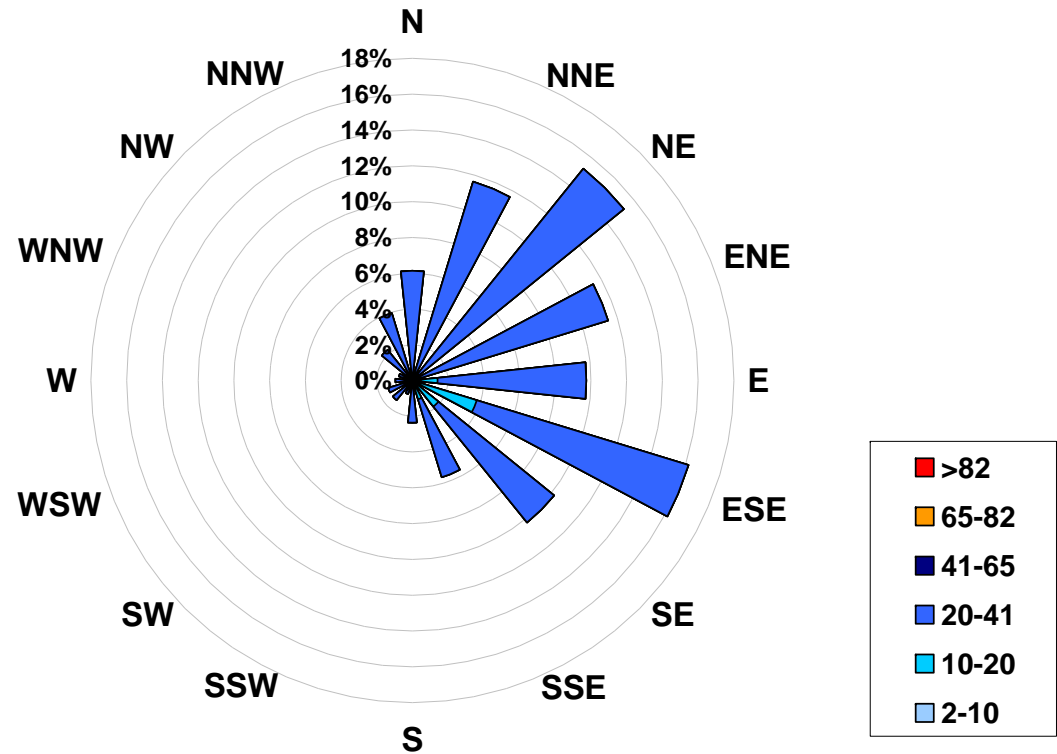


Figure 49. PASZA - Portable-Falher Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	< 10		8
10	to 20		61
20	to 41		568
41	to 65		0
65	to 82		0
	> 82		0
Total Non-Zero Values			637

PASZA - Portable-Falher - Ozone Eight Hour Running Summary

Station: Portable-Falher
 Station Owner: PASZA

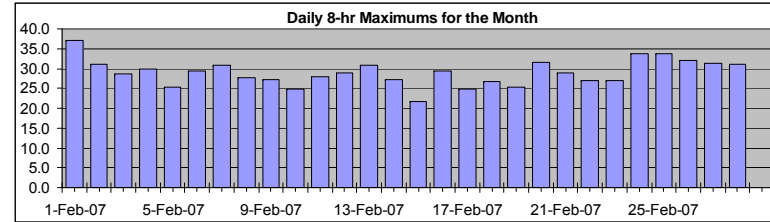
EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

Monitoring Dates: February 1, 2007 to March 1, 2007

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

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	37.2 ppb 1-Feb 0:00 1:00



Status Flag Characters

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

Percentile	99	95	75	50	25	5	1
	34.6	31.0	27.9	25.5	23.1	18.0	12.3

Day	Mountain Standard Time																								Daily Maximum
	Hour Start	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-Feb-07	0:00	37	37	37	37	36	36	35	34	33	31	30	31	30	30	30	30	30	29	28	27	26	26	25	37.2
2-Feb-07	1:00	24	25	25	25	24	24	24	24	23	24	25	26	27	28	29	30	31	31	30	29	28	26	24	31.2
3-Feb-07	2:00	21	20	19	18	18	18	19	21	22	23	24	25	26	27	28	28	29	29	28	27	27	27	27	28.8
4-Feb-07	3:00	28	28	29	29	30	29	29	28	28	28	27	28	28	28	28	28	29	29	28	28	27	27	26	29.8
5-Feb-07	4:00	25	25	25	24	24	24	23	23	22	23	23	23	23	23	23	23	23	23	23	23	23	24	24	25.2
6-Feb-07	5:00	24	24	24	24	24	24	23	22	22	23	23	24	25	26	27	28	29	29	28	27	26	26	27	29.3
7-Feb-07	6:00	27	28	29	30	31	31	31	30	30	31	31	31	31	31	31	31	30	29	28	28	27	27	26	31.0
8-Feb-07	7:00	26	25	25	24	23	23	23	23	23	23	23	24	24	24	25	25	26	26	27	27	28	28	27	27.7
9-Feb-07	8:00	27	27	27	26	26	26	26	25	25	25	25	25	25	26	26	26	26	26	26	25	24	24	23	27.2
10-Feb-07	9:00	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	24	24	24	25	25	25	24	24	24.8
11-Feb-07	10:00	24	24	24	24	24	24	25	25	24	24	24	23	23	23	23	24	24	25	25	26	26	27	28	27.9
12-Feb-07	11:00	28	29	29	29	29	29	28	28	27	27	27	26	26	26	27	27	27	27	26	26	25	23	21	29.0
13-Feb-07	12:00	18	19	20	20	22	23	25	26	26	26	26	27	27	28	28	29	30	31	31	31	31	30	29	30.9
14-Feb-07	13:00	27	27	26	26	25	24	23	21	21	20	20	20	20	21	21	22	22	22	22	21	19	18	18	27.3
15-Feb-07	14:00	19	20	20	21	22	22	21	20	18	17	16	16	15	16	16	17	17	16	15	15	16	15	15	21.7
16-Feb-07	15:00	17	19	21	22	23	25	26	26	26	27	27	28	28	28	28	29	29	30	29	29	25	22	21	29.5
17-Feb-07	16:00	19	18	17	16	18	20	20	21	21	21	21	22	22	22	23	24	24	25	25	25	24	24	23	24.8
18-Feb-07	17:00	22	21	21	21	22	24	25	24	24	24	24	25	25	24	24	25	26	27	27	26	25	25	24	26.8
19-Feb-07	18:00	23	23	23	23	24	24	23	23	22	22	21	21	21	22	23	24	25	25	25	25	25	25	24	25.2
20-Feb-07	19:00	24	24	24	24	24	24	25	25	25	26	27	28	29	29	30	31	31	32	31	31	31	31	30	31.6
21-Feb-07	20:00	29	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	28.9
22-Feb-07	21:00	26	26	26	27	27	27	26	26	26	26	25	24	24	24	24	24	25	26	26	27	27	27	27	27.1
23-Feb-07	22:00	26	26	26	27	27	27	27	27	25	23	22	21	21	20	20	20	22	22	21	20	18	16	14	26.9
24-Feb-07	23:00	11	10	10	10	10	12	12	13	15	16	17	18	20	21	22	24	26	27	28	29	31	32	33	33.8
25-Feb-07	0:00	34	34	33	32	31	30	28	26	25	24	24	24	25	25	26	27	28	28	29	30	30	30	30	33.8
26-Feb-07	1:00	30	29	28	27	27	26	24	22	22	23	24	25	26	27	29	31	31	32	32	32	32	32	31	32.1
27-Feb-07	2:00	30	29	29	29	29	29	29	30	30	30	30	30	31	31	31	N	N	N	N	N	N	N	N	31.3
28-Feb-07	3:00	N	N	24	24	23	23	24	25	26	27	28	28	29	30	31	31	31	31	31	30	29	28	28	31.0

Hourly Max	37.2	37.0	36.8	36.7	36.1	35.6	35.0	34.4	33.1	31.1	30.5	30.8	31.0	31.2	31.3	30.8	31.4	31.9	32.1	32.1	32.0	32.2	33.2	33.8
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PASZA - Portable-Falher - Total Reduced Sulphur Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

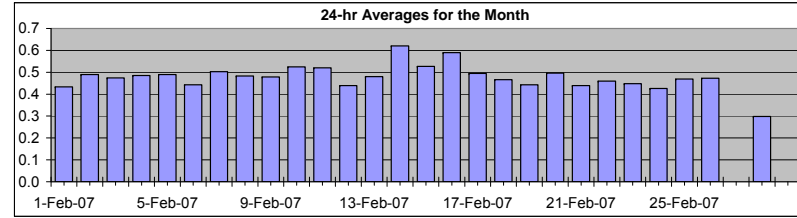
Monitoring Dates: February 1, 2007 to March 1, 2007

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

Summary

Maximum 1-hr Average:	0.7	ppb	14-Feb	20:00 21:00
Maximum 24-hr Value:	0.6	ppb	14-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.5 ppb	0.5 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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	0:00	
1-Feb-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	0	0.4	0.5
2-Feb-07	0	0	A	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	1	0	1	1	1	0	0.5	0.5
3-Feb-07	1	A	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0.5	0.5	
4-Feb-07	0	0	0	A	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	1	1	1	1	1	1	0.5	0.6	
5-Feb-07	1	1	A	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	0.6	
6-Feb-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5	
7-Feb-07	A	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	A	0.5	0.6		
8-Feb-07	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	A	0	0	0.5	0.6		
9-Feb-07	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	A	1	1	1	0.5	0.6		
10-Feb-07	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	A	0	1	0	0.5	0.6	
11-Feb-07	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	A	1	1	0	1	0	0.5	0.6		
12-Feb-07	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0.4	0.5		
13-Feb-07	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.6		
14-Feb-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	1	1	1	0.6	0.7	
15-Feb-07	1	1	0	1	1	1	0	1	0	1	1	1	0	1	0	A	1	1	1	1	1	1	1	1	1	1	0.5	0.6		
16-Feb-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	1	1	0.6	0.7		
17-Feb-07	1	1	1	1	1	1	1	1	1	1	1	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0.5	0.6		
18-Feb-07	1	0	1	0	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.6		
19-Feb-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	0.4	0.5		
20-Feb-07	1	1	1	1	0	1	1	1	1	1	1	A	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0.5	0.6		
21-Feb-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	1	0	0.4	0.5		
22-Feb-07	0	0	0	0	0	0	0	0	0	A	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0.5	0.5		
23-Feb-07	0	0	0	0	0	0	0	1	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5		
24-Feb-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	0.4	0.5		
25-Feb-07	0	0	0	0	0	A	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	1	0	0	0.5	0.6		
26-Feb-07	1	0	0	1	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5		
27-Feb-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	C	C	C	C	C	A	1	1	0	0	0	N	0.6	0.6	
28-Feb-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	0.3	0.4		
Hourly Avg	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Hourly Max	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	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	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	

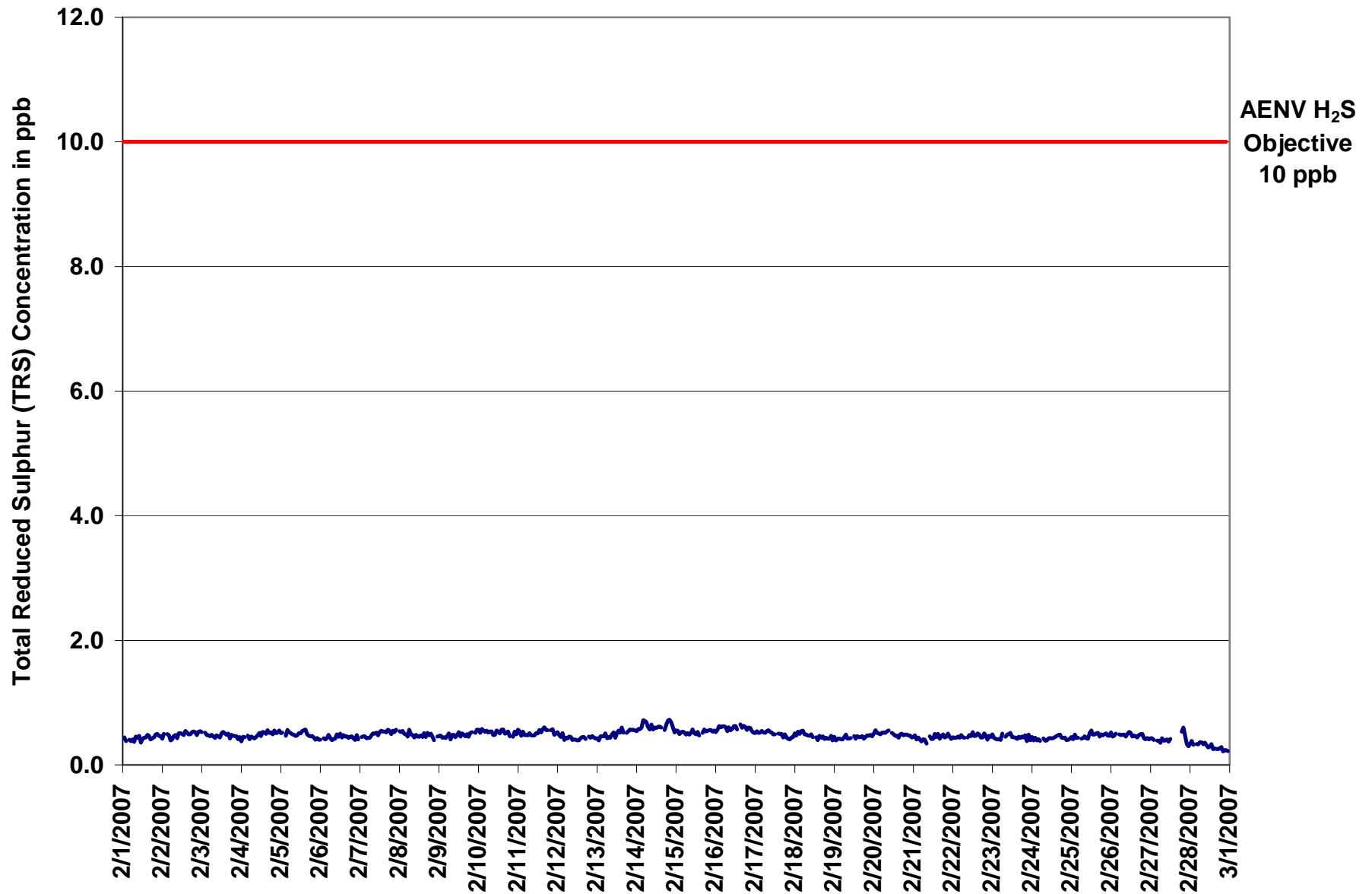


Figure 50. PASZA - Portable-Falher Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

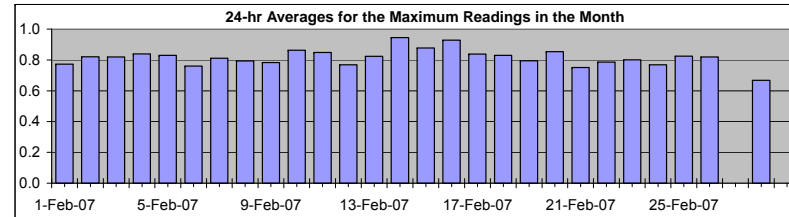
Total Reduced Sulphur (TRS)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	1.2	ppb	2-Feb	21:00 22:00
Maximum 24-hr Value:	0.9	ppb	14-Feb	

AIC Time:	30 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.8 ppb	0.8 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Feb-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	0.9	
2-Feb-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	1.2	
3-Feb-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	
4-Feb-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	
5-Feb-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-Feb-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-Feb-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	1.0	
8-Feb-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	0.8	0.9	
9-Feb-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	0.8	1.0	
10-Feb-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	
11-Feb-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	0.9	
12-Feb-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	0.9	
13-Feb-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	1.0	
14-Feb-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	1.1	
15-Feb-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	1.0	
16-Feb-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	0.9	1.0	
17-Feb-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	0.8	1.0	
18-Feb-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	0.8	1.0	
19-Feb-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	1.0	
20-Feb-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	0.9	1.1	
21-Feb-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	0.8	0.9	
22-Feb-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	0.8	0.9	
23-Feb-07	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0	
24-Feb-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	
25-Feb-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	0.8	1.1	
26-Feb-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	0.9	
27-Feb-07	1	1	1	A	1	1	1	1	1	1	1	1	1	C	C	C	C	C	A	1	1	1	1	1	N	1.0	
28-Feb-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	0.8	
Hourly Avg	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
Hourly Max	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.0	0.9	1.1	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0			

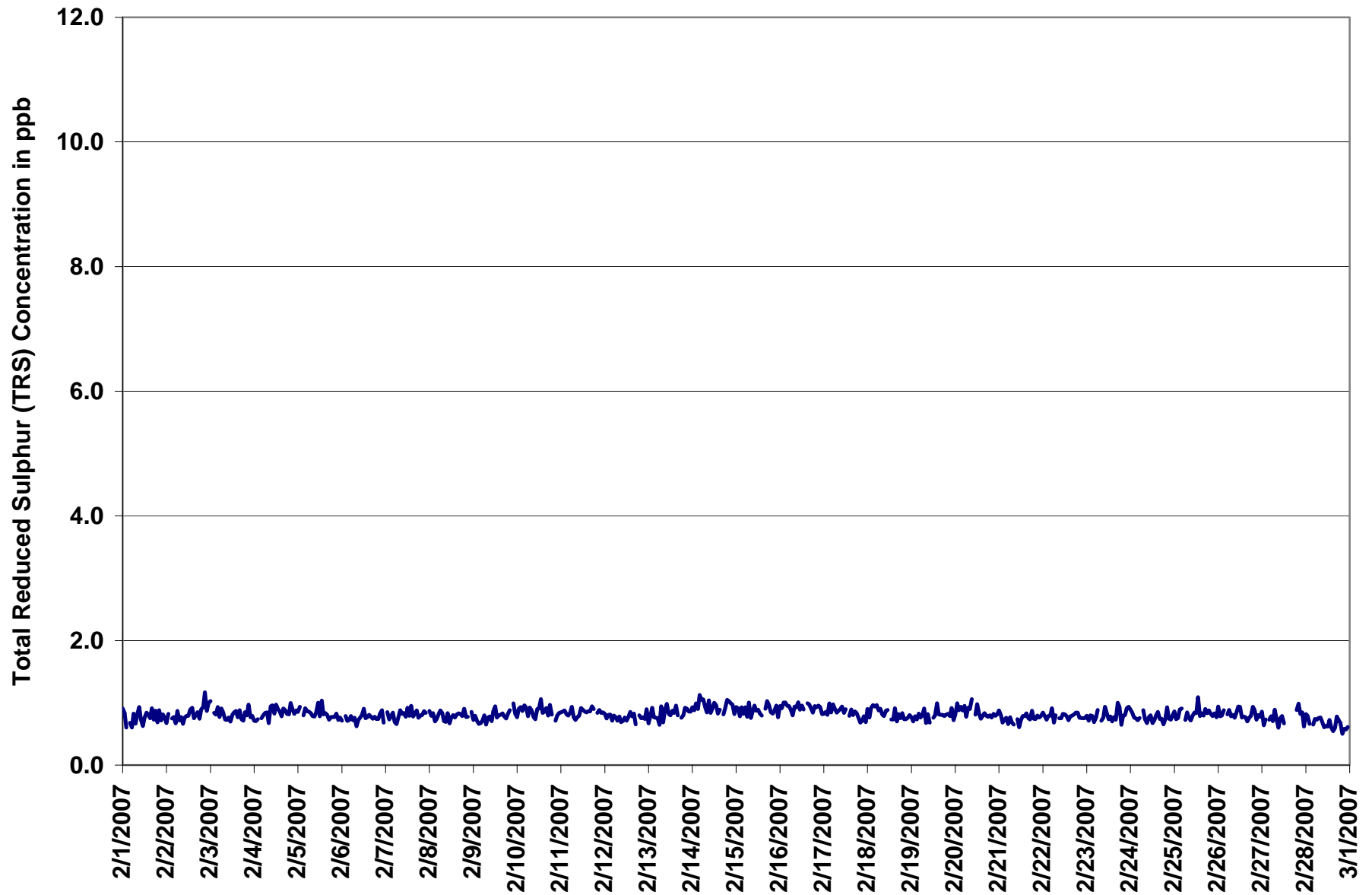
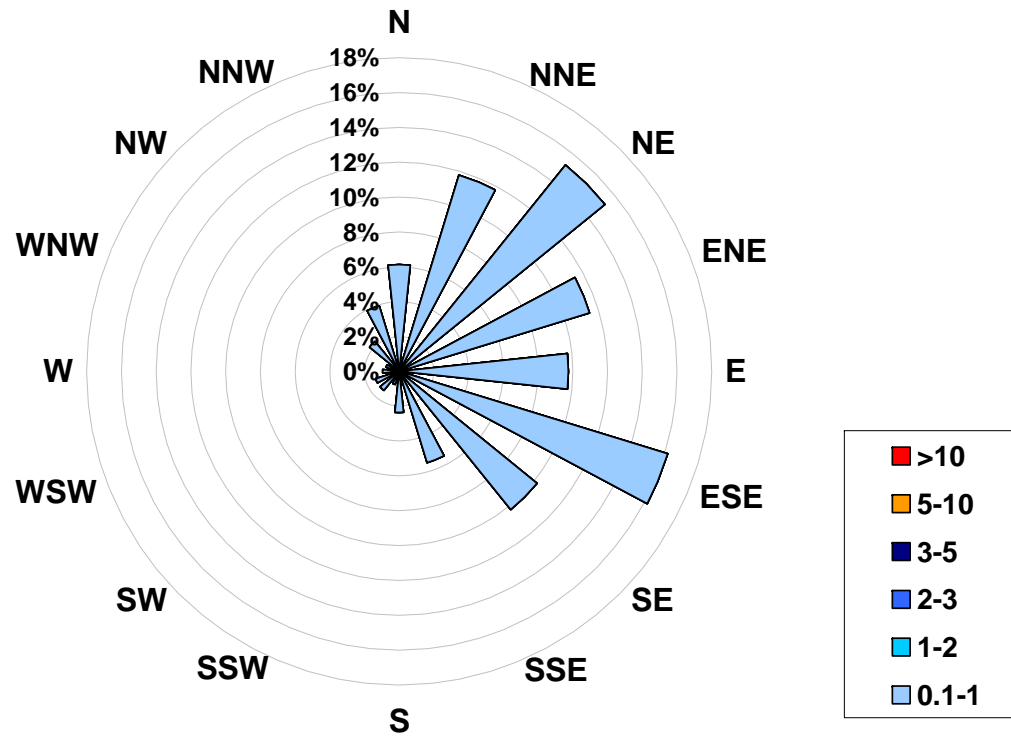


Figure 51. PASZA - Portable-Falher Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



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

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

PASZA - Portable-Falher - Relative Humidity Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

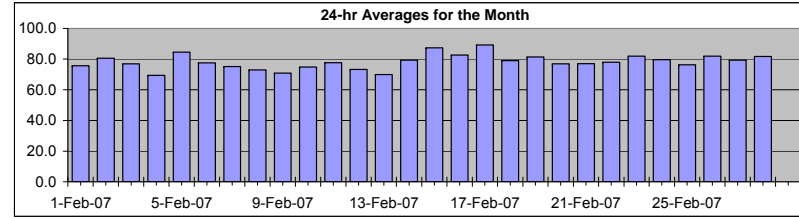
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	94.7	%	15-Feb	20:00 21:00
Maximum 24-hr Value:	89.3	%	17-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	83.0	77.8	73.9
	25	5	1
	67.5	64.3	78.3
	Average		Median
	78.3 %		77.8 %

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	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-Feb-07	80	74	72	75	77	80	80	80	81	81	82	80	77	73	70	69	69	71	74	76	74	76	75	75	77	75.7	82.3
2-Feb-07	80	77	78	79	80	80	80	81	81	80	77	74	74	76	81	83	82	83	84	84	84	85	85	86	86	80.7	86.3
3-Feb-07	84	84	86	88	87	84	82	82	81	80	78	77	72	69	64	70	73	74	77	76	70	66	70	68	76.8	88.3	
4-Feb-07	69	69	70	69	68	68	70	73	71	68	66	65	65	65	66	69	73	73	72	67	69	73	75	73	69.4	74.9	
5-Feb-07	72	73	86	88	89	89	89	89	90	89	88	88	88	86	83	82	83	83	81	81	82	83	84	84	84.6	89.7	
6-Feb-07	83	82	82	82	83	84	83	83	81	76	74	70	70	74	74	74	75	77	77	79	77	76	73	75	77.6	83.7	
7-Feb-07	74	75	75	75	76	77	76	77	75	74	74	71	75	75	74	75	76	77	78	74	75	77	76	76	75.3	78.0	
8-Feb-07	76	76	75	77	77	77	77	75	75	74	72	73	72	69	69	71	71	69	69	69	71	72	71	72	72.9	77.1	
9-Feb-07	72	73	73	74	74	74	73	71	70	70	69	68	67	66	68	68	68	70	71	71	72	74	76	73	70.9	75.7	
10-Feb-07	69	69	70	70	71	75	75	75	76	75	74	73	72	71	72	73	74	77	77	80	80	81	81	83	74.8	82.8	
11-Feb-07	81	81	82	81	81	81	81	80	80	79	78	77	76	76	75	75	75	77	76	74	75	75	74	74	77.6	81.5	
12-Feb-07	77	79	80	79	79	78	76	76	75	74	73	72	71	70	66	63	64	64	69	72	72	75	79	76	73.3	80.3	
13-Feb-07	77	78	75	76	75	74	74	73	72	70	68	66	65	64	63	64	64	66	68	68	69	70	69	69	69.9	78.0	
14-Feb-07	71	71	72	71	72	80	78	76	76	79	87	86	79	75	76	85	87	88	85	83	81	82	82	85	79.4	88.4	
15-Feb-07	87	90	94	94	94	93	94	93	91	91	91	85	80	74	74	78	76	77	81	90	95	92	93	92	87.4	94.7	
16-Feb-07	90	89	89	85	85	85	86	84	84	85	83	80	79	77	75	72	75	75	79	86	88	85	84	84	82.7	89.5	
17-Feb-07	85	86	86	85	86	86	87	89	91	91	91	91	91	91	90	90	91	91	91	90	89	91	92	91	89.3	91.7	
18-Feb-07	91	94	90	94	88	78	89	87	86	85	79	69	65	66	65	65	68	71	71	77	80	78	77	84	79.1	94.2	
19-Feb-07	84	83	77	79	82	83	83	83	82	79	76	75	75	75	76	77	79	81	85	86	88	88	86	92	81.4	91.8	
20-Feb-07	91	89	87	86	82	81	81	80	80	77	77	75	70	67	67	68	70	71	72	72	74	75	77	77	76.9	91.0	
21-Feb-07	78	77	77	78	77	78	79	79	78	77	76	75	74	75	75	75	76	77	79	78	79	79	78	78	77.0	78.8	
22-Feb-07	80	80	79	81	83	84	81	80	79	79	79	78	76	71	67	67	70	74	77	79	79	84	88	88	78.0	88.1	
23-Feb-07	88	88	85	84	85	85	87	86	82	82	85	85	83	80	78	76	75	77	76	77	77	79	83	83	81.9	88.4	
24-Feb-07	79	83	85	89	89	88	84	83	82	84	86	86	82	78	74	71	70	74	76	76	75	73	73	74	79.7	88.7	
25-Feb-07	74	78	77	77	77	78	80	81	81	80	79	73	67	66	69	71	71	74	76	78	81	83	80	78	76.3	83.0	
26-Feb-07	82	87	87	87	87	87	88	86	80	80	79	78	76	79	78	79	79	80	80	81	80	81	83	81	81.9	88.0	
27-Feb-07	80	77	79	79	77	79	81	85	84	81	78	75	65	55	73	77	80	82	86	89	85	85	87	86	79.3	89.2	
28-Feb-07	86	86	86	86	85	84	83	83	82	81	80	79	78	78	76	74	74	81	83	84	82	82	82	84	81.7	86.4	
Hourly Avg	80.0	80.4	80.5	81.0	80.9	81.0	81.3	81.0	80.3	79.3	78.4	76.5	74.4	73.0	72.9	73.6	74.6	76.2	77.4	78.3	78.8	79.1	79.6	80.1			
Hourly Max	91.2	93.9	94.1	94.2	94.1	93.1	93.5	93.3	91.1	91.2	91.2	90.5	90.9	90.6	89.9	90.3	91.2	91.5	90.9	90.3	94.7	91.9	93.3	91.8			

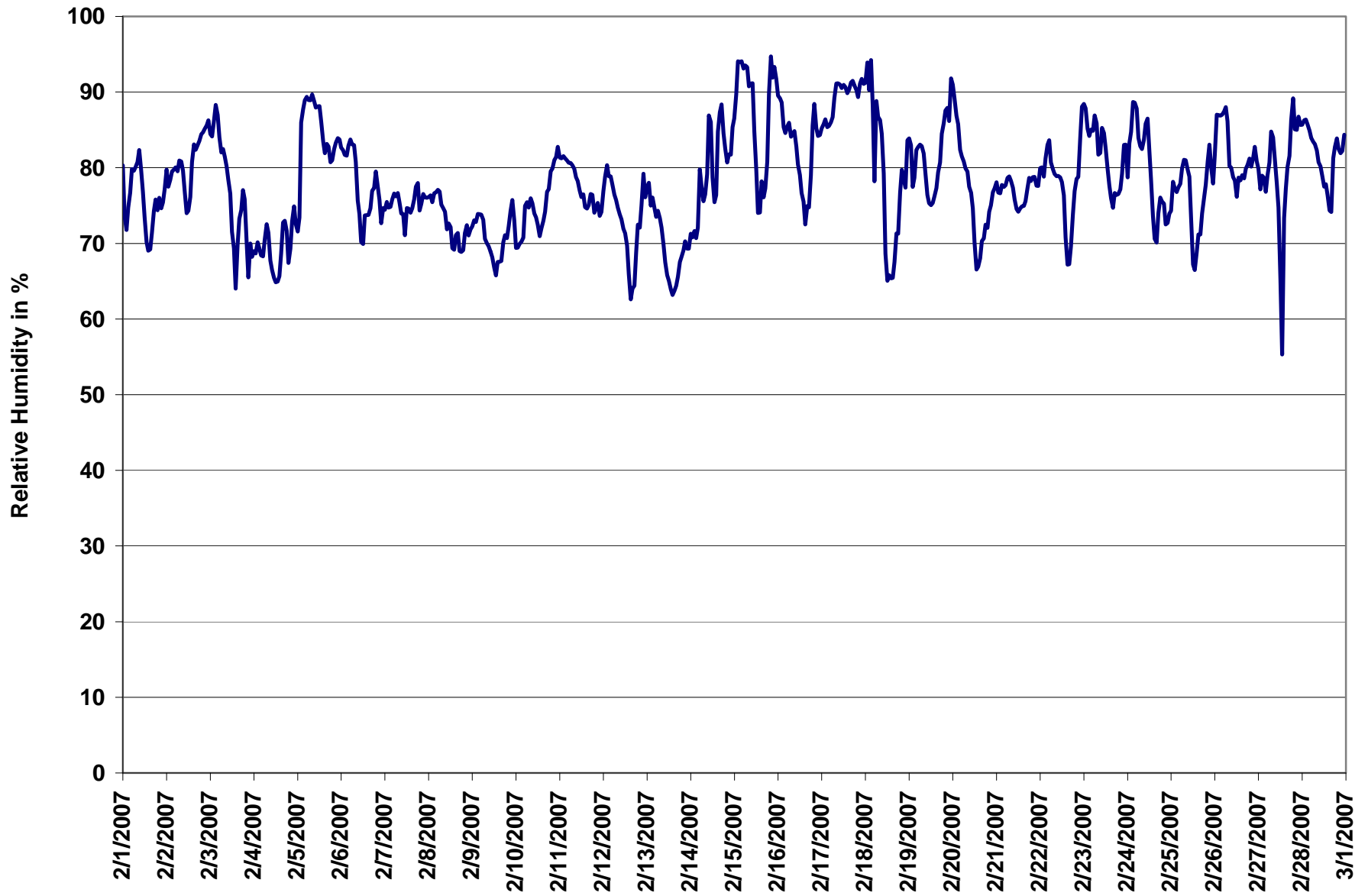


Figure 52. PASZA - Portable-Falher Relative Humidity 1-hr Average Monthly Trend

PASZA - Portable-Falher - Temperature Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

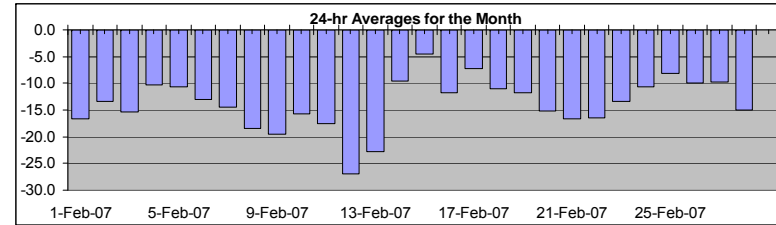
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	-1.0 °C	15-Feb	16:00 17:00
Maximum 24-hr Value:	-4.4 °C	15-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	-2.2	-4.7	-10.3	-13.8	-16.8	-23.7	-29.0	-13.8 °C	-13.8 °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																								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-Feb-07	-12	-14	-16	-18	-18	-20	-20	-20	-20	-23	-22	-20	-19	-17	-15	-14	-14	-13	-13	-13	-14	-15	-16	-14	-16.7	-11.9
2-Feb-07	-14	-14	-15	-15	-15	-15	-15	-16	-16	-15	-14	-12	-12	-12	-12	-12	-11	-12	-12	-12	-13	-13	-13	-13	-13.4	-11.4
3-Feb-07	-13	-13	-14	-16	-16	-18	-19	-19	-19	-18	-18	-16	-14	-13	-12	-13	-14	-15	-16	-17	-16	-14	-14	-14	-15.4	-11.9
4-Feb-07	-13	-12	-13	-13	-13	-12	-11	-11	-11	-10	-10	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-10.4	-8.7
5-Feb-07	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-11	-11	-11	-11	-11	-12	-12	-13	-14	-14	-15	-10.6	-8.8
6-Feb-07	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-13	-13	-12	-12	-12	-12	-12	-13	-13	-13	-12	-12	-12	-13	-13.1	-11.8
7-Feb-07	-13	-13	-13	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-15	-16	-15	-16	-17	-17	-17	-14.4	-12.7
8-Feb-07	-17	-18	-18	-18	-19	-19	-19	-19	-19	-19	-20	-20	-20	-18	-18	-16	-16	-17	-17	-18	-18	-19	-19	-20	-18.4	-16.2
9-Feb-07	-20	-21	-21	-21	-22	-21	-21	-20	-20	-20	-20	-19	-18	-18	-18	-18	-18	-19	-20	-20	-21	-19	-18	-17	-19.6	-16.8
10-Feb-07	-17	-17	-16	-16	-16	-16	-17	-17	-17	-16	-16	-16	-16	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15.8	-15.0
11-Feb-07	-15	-15	-16	-16	-18	-19	-18	-18	-18	-18	-18	-17	-17	-17	-17	-16	-16	-16	-16	-16	-17	-20	-22	-23	-17.5	-15.1
12-Feb-07	-24	-25	-27	-27	-29	-29	-31	-31	-33	-32	-29	-28	-26	-24	-24	-23	-24	-24	-25	-26	-26	-26	-26	-26	-27.0	-23.3
13-Feb-07	-27	-27	-27	-28	-28	-29	-29	-29	-29	-28	-26	-24	-22	-20	-18	-17	-16	-16	-17	-18	-18	-18	-18	-18	-22.7	-15.9
14-Feb-07	-18	-17	-17	-14	-13	-13	-12	-12	-12	-11	-10	-10	-8	-7	-7	-6	-6	-6	-5	-6	-4	-4	-3	-5	-9.5	-3.4
15-Feb-07	-4	-4	-5	-6	-7	-7	-7	-9	-11	-9	-6	-5	-4	-1	-1	-2	-1	-1	-1	-1	-2	-3	-3	-5	-4.4	-1.0
16-Feb-07	-7	-8	-9	-10	-11	-11	-11	-12	-12	-12	-12	-12	-12	-12	-12	-11	-11	-11	-12	-13	-15	-16	-16	-16	-11.8	-6.6
17-Feb-07	-15	-14	-13	-12	-12	-11	-10	-9	-9	-8	-7	-7	-7	-5	-4	-4	-3	-3	-3	-4	-4	-4	-3	-3	-7.3	-3.0
18-Feb-07	-3	-3	-3	-6	-5	-2	-7	-11	-11	-12	-13	-15	-15	-14	-13	-13	-13	-14	-14	-16	-16	-15	-14	-14	-10.9	-2.3
19-Feb-07	-14	-13	-13	-13	-14	-15	-16	-17	-16	-15	-15	-15	-13	-12	-11	-10	-9	-8	-8	-8	-8	-7	-7	-6	-11.8	-6.4
20-Feb-07	-6	-10	-12	-13	-13	-14	-14	-15	-15	-16	-17	-17	-17	-16	-16	-16	-16	-16	-17	-18	-19	-18	-18	-18	-15.2	-6.1
21-Feb-07	-18	-17	-17	-17	-17	-17	-17	-17	-18	-18	-17	-17	-16	-16	-16	-15	-15	-15	-16	-16	-16	-16	-17	-18	-16.6	-15.2
22-Feb-07	-17	-17	-18	-19	-20	-22	-23	-23	-24	-22	-20	-18	-17	-16	-14	-13	-13	-10	-11	-12	-12	-12	-11	-11	-16.5	-10.5
23-Feb-07	-11	-11	-11	-11	-11	-11	-11	-14	-16	-17	-17	-16	-15	-14	-15	-15	-15	-16	-15	-13	-12	-12	-13	-13	-13.4	-10.8
24-Feb-07	-13	-14	-14	-15	-13	-14	-19	-19	-17	-15	-12	-10	-9	-8	-5	-4	-6	-7	-8	-8	-7	-7	-7	-7	-10.7	-4.5
25-Feb-07	-6	-7	-7	-8	-8	-9	-10	-10	-11	-11	-10	-9	-7	-6	-6	-6	-6	-6	-7	-8	-9	-9	-9	-10	-8.1	-5.7
26-Feb-07	-12	-14	-13	-13	-12	-12	-11	-11	-11	-11	-10	-10	-9	-9	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8	-10.0	-7.8
27-Feb-07	-8	-8	-8	-8	-9	-9	-9	-9	-9	-10	-10	-9	-7	-5	-8	-9	-10	-10	-11	-12	-13	-14	-14	-15	-9.7	-4.7
28-Feb-07	-15	-15	-16	-17	-18	-18	-18	-18	-18	-18	-16	-15	-14	-12	-11	-11	-11	-13	-14	-14	-14	-14	-14	-16	-15.1	-10.6
Hourly Avg	-13.4	-13.7	-14.1	-14.5	-14.7	-15.0	-15.5	-15.9	-16.0	-15.7	-15.0	-14.3	-13.5	-12.6	-12.1	-11.9	-11.9	-12.1	-12.6	-12.9	-13.1	-13.3	-13.2	-13.4		
Hourly Max	-3.1	-3.3	-3.1	-5.7	-4.7	-2.3	-6.9	-9.1	-8.5	-7.7	-6.2	-5.0	-4.1	-1.3	-1.2	-2.0	-1.0	-1.0	-1.4	-1.3	-2.3	-3.1	-3.3	-3.0		

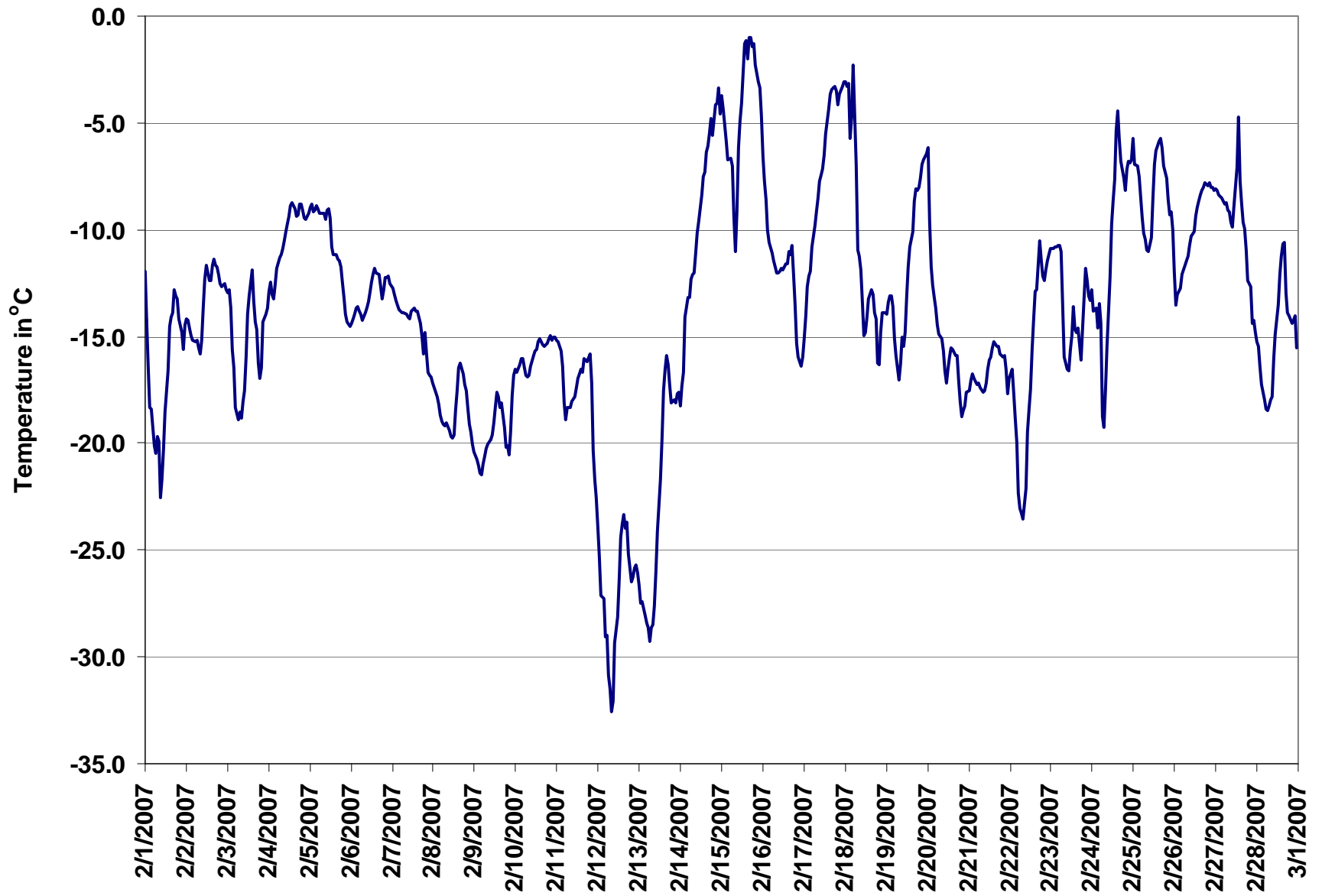


Figure 53. PASZA - Portable-Falher Temperature 1-hr Average Monthly Trend

PASZA - Portable-Falher - Scalar Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

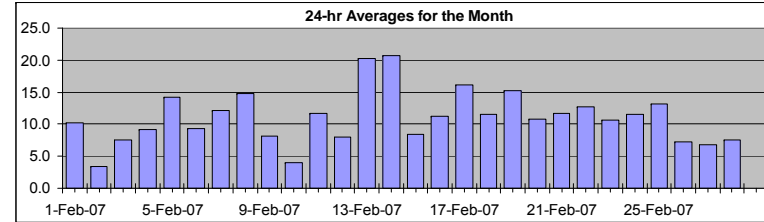
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	35.3	km/hr	1-Feb	0:00 1:00
Maximum 24-hr Value:	20.7	km/hr	14-Feb	

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	29.3	23.8	14.4	9.8	6.6	2.9	1.5	11.0 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Scalar Average	Daily Max
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	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-Feb-07	35	30	14	9	8	8	10	8	7	8	9	12	11	9	7	7	6	7	9	8	9	7	3	2	10.2	35.3
2-Feb-07	3	4	4	4	4	3	3	3	4	4	2	2	2	5	5	3	1	3	2	3	4	4	5	5	3.4	5.2
3-Feb-07	5	4	5	8	6	11	10	10	9	12	17	15	5	3	2	4	6	5	6	6	7	7	10	6	7.5	16.7
4-Feb-07	10	11	9	14	14	15	14	10	8	6	5	6	3	3	3	7	4	3	6	13	13	14	14	15	9.2	14.7
5-Feb-07	16	12	12	11	11	11	12	11	11	13	8	10	17	24	21	16	18	15	16	16	16	11	15	16	14.2	24.0
6-Feb-07	17	18	12	9	5	5	9	9	8	9	11	8	8	7	8	7	8	11	10	9	7	8	12	10	9.3	17.7
7-Feb-07	10	9	12	14	14	13	12	7	7	9	9	8	10	9	13	13	16	16	14	16	20	17	16	11	12.1	20.4
8-Feb-07	16	14	11	13	18	18	22	18	17	18	20	18	17	11	8	3	10	19	15	13	14	16	15	14	14.8	21.8
9-Feb-07	13	11	12	10	9	9	5	9	9	10	10	8	8	8	9	7	7	9	10	7	5	2	3	2	8.1	13.4
10-Feb-07	2	4	2	1	2	4	5	4	3	3	3	4	5	3	3	3	4	5	4	4	7	7	8	8	4.0	7.8
11-Feb-07	9	10	10	9	10	9	10	11	17	16	11	11	11	13	12	12	10	12	11	15	12	13	14	13	11.6	16.6
12-Feb-07	10	6	8	6	8	9	6	5	7	9	8	7	6	7	6	9	14	9	6	7	10	7	13	7.9	14.0	
13-Feb-07	14	15	17	17	17	16	14	15	16	18	19	18	20	18	24	26	29	27	25	22	27	25	24	23	20.2	28.8
14-Feb-07	23	21	22	24	29	30	27	28	28	23	17	23	21	21	20	18	15	11	14	18	18	19	19	8	20.7	29.9
15-Feb-07	1	3	6	7	9	11	11	11	9	9	9	9	8	7	6	7	6	5	5	2	7	15	16	21	8.5	21.3
16-Feb-07	23	23	21	25	21	21	16	16	14	11	13	12	10	6	3	3	1	1	2	3	7	7	7	6	11.3	24.8
17-Feb-07	9	10	10	10	8	9	4	9	10	11	16	20	18	22	20	26	31	28	17	19	21	19	24	18	16.2	30.7
18-Feb-07	7	6	13	9	10	14	15	18	11	15	25	20	18	13	12	12	8	5	4	8	9	9	9	9	11.6	24.9
19-Feb-07	8	9	14	12	12	14	9	8	11	10	10	10	10	11	17	16	17	19	23	24	25	29	26	19	15.2	29.3
20-Feb-07	11	16	17	15	14	10	10	11	11	15	19	15	13	7	5	8	11	8	7	6	5	7	9	10	10.8	18.8
21-Feb-07	7	8	10	13	14	15	14	11	14	14	12	11	12	11	10	11	9	6	9	13	11	14	16	11.7	16.3	
22-Feb-07	12	14	10	12	9	10	7	6	7	8	2	4	9	7	7	6	6	12	27	29	31	28	27	15	12.7	30.7
23-Feb-07	16	23	23	25	21	14	6	9	12	12	11	11	8	4	6	8	10	8	5	5	3	5	2	6	10.7	24.9
24-Feb-07	7	7	9	8	8	9	9	9	8	7	8	9	12	11	10	9	9	14	15	15	19	21	22	25	11.6	24.8
25-Feb-07	29	14	16	18	13	15	18	20	15	13	15	13	5	5	5	11	11	12	11	11	11	12	10	15	13.2	29.2
26-Feb-07	14	12	7	7	8	7	5	9	8	8	10	7	4	6	15	14	11	5	2	5	4	4	1	5	7.3	15.0
27-Feb-07	9	15	10	9	11	7	5	5	4	6	4	6	3	2	6	7	7	4	5	9	7	6	5	12	6.8	14.9
28-Feb-07	15	14	12	10	10	8	7	5	4	3	3	3	6	6	6	5	4	9	5	4	9	11	11	11	7.5	14.7
1-hr Average	12.5	12.2	11.7	11.7	11.5	11.5	10.6	10.6	10.3	10.8	10.9	10.8	9.9	9.3	9.7	9.8	10.3	10.5	10.1	10.9	12.1	12.5	12.0			
Hourly Max	35.3	30.3	23.3	24.9	29.3	29.9	26.6	27.7	27.8	23.0	24.9	22.7	21.0	24.0	23.9	26.4	30.7	27.7	26.8	29.3	30.7	29.3	27.0	24.8		

PASZA - Portable-Falher - Vector Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

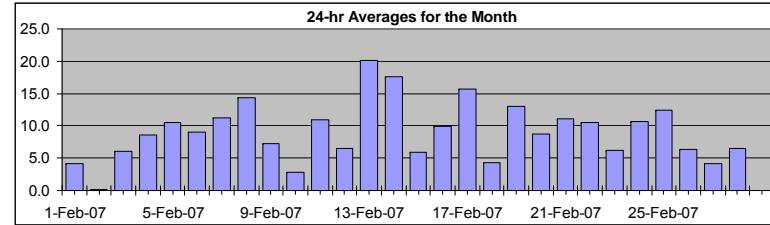
Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	35.3	km/hr	1-Feb	0:00 1:00
Maximum 24-hr Value:	20.0	km/hr	13-Feb	

Calm Time:	3 hrs	0% calms	Operational Time:	669 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	29.2	23.6	14.3	9.6	6.5	2.5	1.2	42.2 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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00		
1-Feb-07	35	30	14	8	8	8	2	8	7	8	9	12	10	9	7	7	6	7	9	8	9	7	2	calm	4.2	35.3
2-Feb-07	3	3	4	3	3	3	2	2	4	4	2	1	2	5	5	3	1	3	1	3	2	4	5	5	0.1	5.1
3-Feb-07	4	4	5	7	6	11	10	10	9	12	17	15	4	3	1	4	6	5	6	5	7	6	10	6	6.0	16.7
4-Feb-07	10	10	9	14	14	14	14	10	8	6	5	5	3	3	2	6	4	3	6	13	13	14	14	15	8.5	14.5
5-Feb-07	16	12	12	11	11	11	12	11	10	13	8	10	17	24	21	16	17	15	16	16	16	11	15	16	10.5	23.9
6-Feb-07	17	18	12	9	4	5	9	9	7	9	11	8	8	6	8	7	8	11	10	9	7	8	12	10	9.0	17.6
7-Feb-07	10	9	12	14	13	12	12	7	7	9	8	7	10	9	13	13	16	16	14	16	20	17	15	11	11.2	20.4
8-Feb-07	16	14	11	12	17	17	22	18	17	18	19	18	17	11	8	3	10	19	15	13	14	15	15	14	14.3	21.8
9-Feb-07	13	11	12	10	9	9	5	9	9	10	10	8	7	8	9	7	7	9	9	7	5	2	3	2	7.2	13.4
10-Feb-07	1	4	2	1	1	4	5	4	3	3	2	4	5	2	3	3	4	4	4	4	7	7	8	8	2.8	7.8
11-Feb-07	9	10	10	9	10	9	10	11	17	16	11	11	11	13	12	12	10	12	11	14	12	13	14	13	11.0	16.6
12-Feb-07	10	6	8	6	8	9	6	5	7	9	8	7	7	6	7	6	9	14	9	6	7	9	7	13	6.5	13.9
13-Feb-07	14	15	17	17	17	16	14	15	16	18	19	18	20	18	24	26	29	27	25	22	27	25	24	23	20.0	28.7
14-Feb-07	23	21	22	24	29	30	26	28	28	23	17	23	21	20	20	17	15	10	14	18	18	19	19	8	17.6	29.7
15-Feb-07	1	3	6	7	9	10	11	11	9	9	9	9	8	7	6	7	6	3	4	1	7	15	16	21	5.9	21.2
16-Feb-07	22	22	21	25	21	20	16	16	14	11	13	12	10	6	3	3	1	calm	1	3	7	7	7	6	10.0	24.8
17-Feb-07	8	9	10	10	8	9	3	8	10	11	16	20	18	22	20	26	31	28	16	19	20	19	24	18	15.7	30.7
18-Feb-07	5	2	11	9	8	14	13	18	11	15	25	20	18	13	12	12	7	5	2	8	9	9	9	9	4.3	24.8
19-Feb-07	8	9	14	12	12	14	9	8	11	10	9	10	9	11	17	16	17	18	23	24	25	29	26	19	13.0	29.1
20-Feb-07	7	15	17	15	14	10	10	11	11	15	19	15	13	6	5	8	11	8	7	6	5	6	9	10	8.7	18.8
21-Feb-07	7	8	10	13	14	15	14	11	14	14	14	12	11	12	11	10	11	9	6	9	13	11	14	16	11.2	16.3
22-Feb-07	12	13	9	12	9	10	7	6	7	8	2	4	9	7	7	6	5	12	27	29	31	28	27	15	10.5	30.6
23-Feb-07	16	23	23	25	21	12	5	9	12	12	11	11	8	4	5	8	10	8	5	4	2	3	2	6	6.2	24.9
24-Feb-07	7	7	9	8	8	9	9	9	8	7	8	9	12	11	10	9	9	14	15	15	19	21	22	25	10.6	24.7
25-Feb-07	29	11	15	17	12	14	18	20	15	13	15	13	5	4	5	11	11	12	10	11	11	11	10	14	12.5	29.2
26-Feb-07	14	12	7	7	8	7	5	9	7	8	10	7	3	6	15	14	11	4	2	5	4	2	1	5	6.3	15.0
27-Feb-07	9	15	10	9	11	6	5	5	4	6	3	6	3	calm	6	7	7	4	4	5	9	7	5	12	4.1	14.9
28-Feb-07	15	14	12	10	10	8	7	5	4	3	3	3	6	6	6	5	4	9	5	3	9	11	11	11	6.5	14.6
1-hr Vector	10.6	12.6	13.0	9.8	9.1	18.8	14.4	19.4	15.0	15.8	15.3	13.1	10.2	8.0	7.7	6.6	3.7	4.1	6.7	5.1	8.6	6.6	7.6	6.7		
Hourly Max	35.3	30.3	23.2	24.9	29.2	29.7	26.5	27.6	27.8	22.9	24.8	22.7	21.0	23.9	23.9	26.4	30.7	27.6	26.8	29.2	30.6	29.1	26.9	24.7		

PASZA - Portable-Falher - Wind Direction Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	350.6	332.5	133.0	96.1	45.0	13.9	4.7	80 deg

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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-hour Average	WD Sector
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-Feb-07	34	36	30	27	16	34	30	226	168	167	183	186	188	186	185	157	146	138	90	89	90	74	34	9	80	E
2-Feb-07	357	267	243	94	98	63	254	310	45	35	343	344	345	310	308	323	196	214	162	174	154	125	155	134	60	ENE
3-Feb-07	105	100	91	103	103	96	111	104	110	114	114	123	136	109	298	315	335	328	69	110	114	129	108	97	105	ESE
4-Feb-07	103	107	109	122	104	97	121	138	151	164	152	127	128	183	152	164	198	180	124	122	127	120	113	111	124	ESE
5-Feb-07	117	118	117	105	84	73	71	73	70	79	76	37	4	8	5	351	349	342	1	15	26	25	33	34	38	NE
6-Feb-07	44	50	55	50	48	67	45	47	71	70	69	64	59	23	35	29	32	43	45	59	73	61	89	85	55	NE
7-Feb-07	83	76	78	86	88	89	78	74	72	71	71	66	34	19	28	33	32	31	40	76	78	78	74	57	63	ENE
8-Feb-07	52	55	62	38	36	48	56	65	71	81	75	68	66	52	24	36	92	93	81	71	72	59	72	70	64	ENE
9-Feb-07	71	69	59	46	63	95	44	66	72	91	99	100	95	68	32	32	17	29	35	35	23	55	94	154	63	ENE
10-Feb-07	141	106	85	28	274	282	286	314	350	279	316	245	246	274	15	3	331	346	343	315	333	309	337	345	321	NW
11-Feb-07	357	6	5	2	22	29	29	34	35	39	31	33	26	23	15	14	31	32	42	52	50	53	70	75	33	NNE
12-Feb-07	52	42	47	19	14	36	27	15	18	34	36	28	31	18	17	3	29	46	50	82	115	111	122	116	47	NE
13-Feb-07	114	110	114	114	111	116	116	121	126	127	130	133	130	129	127	126	127	128	128	130	130	130	137	136	126	SE
14-Feb-07	131	134	135	158	161	157	167	165	173	169	159	162	156	162	160	132	144	136	193	211	228	242	249	253	167	SSE
15-Feb-07	354	114	83	104	118	111	114	113	109	119	119	135	127	141	115	113	144	79	81	10	351	22	22	24	89	E
16-Feb-07	14	5	3	7	9	9	5	9	15	8	6	8	5	5	321	351	285	227	149	112	94	98	74	86	14	NNE
17-Feb-07	111	112	101	105	96	101	125	121	125	112	110	115	110	116	126	129	125	124	107	85	109	135	132	143	118	ESE
18-Feb-07	160	261	194	168	232	253	350	2	351	350	344	345	348	338	312	315	289	251	179	89	115	105	107	98	338	NNW
19-Feb-07	76	69	72	56	37	36	40	44	57	85	99	103	103	121	126	119	111	110	110	124	124	122	139	133	103	ESE
20-Feb-07	165	327	337	329	341	332	331	348	23	25	28	29	38	36	26	32	40	39	34	35	31	33	35	37	13	NNE
21-Feb-07	36	44	34	34	38	39	41	48	37	38	36	29	24	10	12	19	14	9	12	26	44	54	70	81	36	NE
22-Feb-07	86	83	76	56	37	27	38	51	56	54	55	31	38	35	28	17	19	106	108	114	114	114	120	119	87	E
23-Feb-07	111	119	122	128	130	159	230	274	265	251	224	226	223	135	113	81	86	83	71	115	137	152	162	120	141	SE
24-Feb-07	123	109	121	129	129	124	102	102	101	102	107	104	110	103	92	64	57	50	45	53	84	89	89	90	91	E
25-Feb-07	95	53	69	65	69	54	78	87	82	63	64	77	115	92	32	79	68	74	65	54	48	53	91	124	74	ENE
26-Feb-07	160	178	168	177	162	161	132	134	159	144	154	177	156	100	128	129	131	119	32	45	52	124	170	119	143	SE
27-Feb-07	115	125	125	115	119	98	85	85	68	103	103	109	125	160	344	343	343	320	341	14	11	36	66	41	75	ENE
28-Feb-07	41	42	42	45	51	53	55	48	54	34	16	24	10	8	347	316	306	332	325	336	58	44	45	47	31	NNE
Hourly Avg	293	286	284	270	281	290	298	289	301	294	292	295	299	302	299	300	303	356	110	147	181	158	136	149		

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

Station: Portable-Falher
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

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Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	40.0	19.2	7.5	4.5	3.0	1.8	1.4

Status Flag Characters

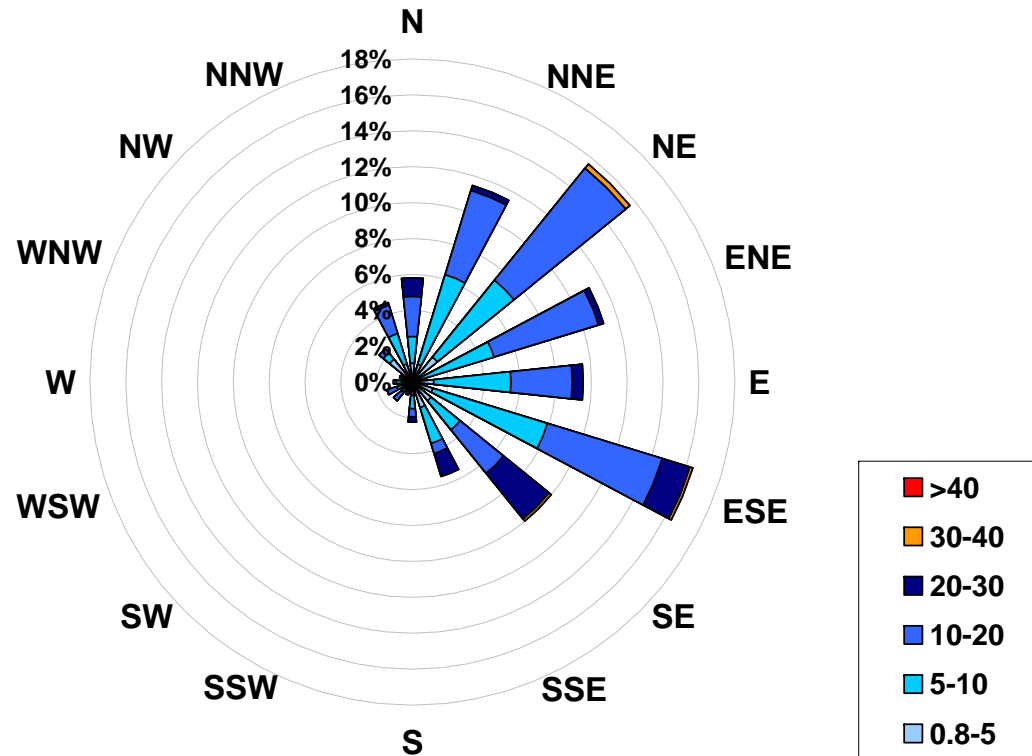
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day Mountain Standard Time

Day	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
1-Feb-07	2	1	5	6	9	7	25	6	9	3	5	3	3	5	4	4	5	4	5	4	6	12	51	39		51.1	
2-Feb-07	13	15	7	40	11	43	35	23	7	14	11	17	18	8	7	17	33	13	23	13	15	11	10	8		43.3	
3-Feb-07	16	10	11	6	9	4	3	2	3	4	2	4	13	27	43	6	9	17	15	12	7	12	6	12		42.7	
4-Feb-07	6	6	7	5	6	5	7	8	8	8	8	8	15	30	17	7	10	15	9	4	4	3	3	3		29.8	
5-Feb-07	4	5	4	4	3	5	3	3	8	2	10	6	4	4	4	4	3	4	3	4	3	4	3	2		9.6	
6-Feb-07	3	2	3	4	16	11	4	3	6	9	6	4	7	7	7	4	4	2	2	4	4	4	2	2		15.8	
7-Feb-07	3	2	3	2	2	3	4	4	7	5	8	8	3	7	3	3	2	1	4	4	3	3	5	4		7.7	
8-Feb-07	3	4	5	3	2	6	2	4	6	8	6	4	3	9	7	15	9	4	2	4	4	5	4	2		14.6	
9-Feb-07	2	3	3	3	3	7	9	8	6	6	11	9	13	6	9	6	4	4	6	8	37	9	12			36.7	
10-Feb-07	21	8	19	30	19	7	7	7	6	15	15	8	11	27	17	9	10	9	7	7	5	3	5	3		30.5	
11-Feb-07	4	5	2	2	3	2	2	3	2	1	3	2	3	3	3	3	3	2	3	3	2	2	3	3		4.7	
12-Feb-07	8	10	6	6	10	2	6	9	7	3	4	2	5	5	8	6	3	2	13	6	10	7	11	2		12.5	
13-Feb-07	3	2	1	2	2	1	2	2	2	2	1	2	2	2	1	1	2	3	2	2	1	2	2	2		3.1	
14-Feb-07	2	3	3	5	3	4	4	3	2	3	4	3	4	5	3	15	7	9	7	2	2	2	2	5		15.1	
15-Feb-07	37	19	9	5	6	6	4	4	5	7	9	9	11	4	11	4	9	22	12	35	6	2	2	3		37.2	
16-Feb-07	3	2	3	3	3	3	3	4	4	5	4	3	2	8	10	14	20	44	37	12	7	5	6	7		44.1	
17-Feb-07	5	9	5	4	11	6	21	17	3	3	2	2	7	2	3	2	2	2	6	6	5	5	3	8		21.0	
18-Feb-07	41	52	13	4	14	9	10	5	5	5	3	4	6	4	6	5	8	10	11	8	5	4	5	5		52.3	
19-Feb-07	5	5	5	5	3	2	3	4	2	5	6	6	9	6	3	2	4	7	6	8	2	4	3	3		8.7	
20-Feb-07	14	7	5	5	3	6	4	4	5	3	3	3	5	11	16	6	5	4	3	5	4	3	4	3		16.4	
21-Feb-07	4	4	3	3	3	2	2	2	2	3	3	4	6	4	5	5	4	2	3	4	2	3	6	2		6.0	
22-Feb-07	3	3	5	3	5	4	3	4	4	4	14	9	5	11	4	5	12	6	2	2	2	2	2	3		14.4	
23-Feb-07	5	3	2	2	2	16	10	9	5	4	4	5	7	10	8	3	4	5	10	14	50	24	27	11		50.2	
24-Feb-07	6	7	4	3	5	4	3	3	3	3	2	4	3	2	7	7	10	2	2	2	6	2	1	2		10.2	
25-Feb-07	1	20	9	6	8	6	4	3	5	4	3	5	11	21	9	8	3	3	6	3	2	3	5	3		21.4	
26-Feb-07	5	4	4	6	5	4	5	4	6	4	3	4	9	14	3	2	3	9	19	5	5	30	35	7		35.0	
27-Feb-07	4	2	2	3	3	6	7	4	4	8	8	7	11	32	4	3	2	4	7	4	10	13	9	3		32.3	
28-Feb-07	3	2	3	2	3	2	5	5	8	5	4	5	3	4	4	6	7	2	5	10	4	2	2	2		10.1	

Hourly Max	41	52	19	40	19	43	35	23	9	15	15	17	18	32	43	17	33	44	37	35	50	37	51	39
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1-hr Average Wind Rose (in km/hr) Located at the Portable-Falher Site for February 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	102
5	to	10	242
10	to	20	264
20	to	30	60
30	to	40	4
	>	40	0
Total Non-Zero Values			672

PASZA – Valleyview Station

Monthly Summary Tables, Graphs, and Roses

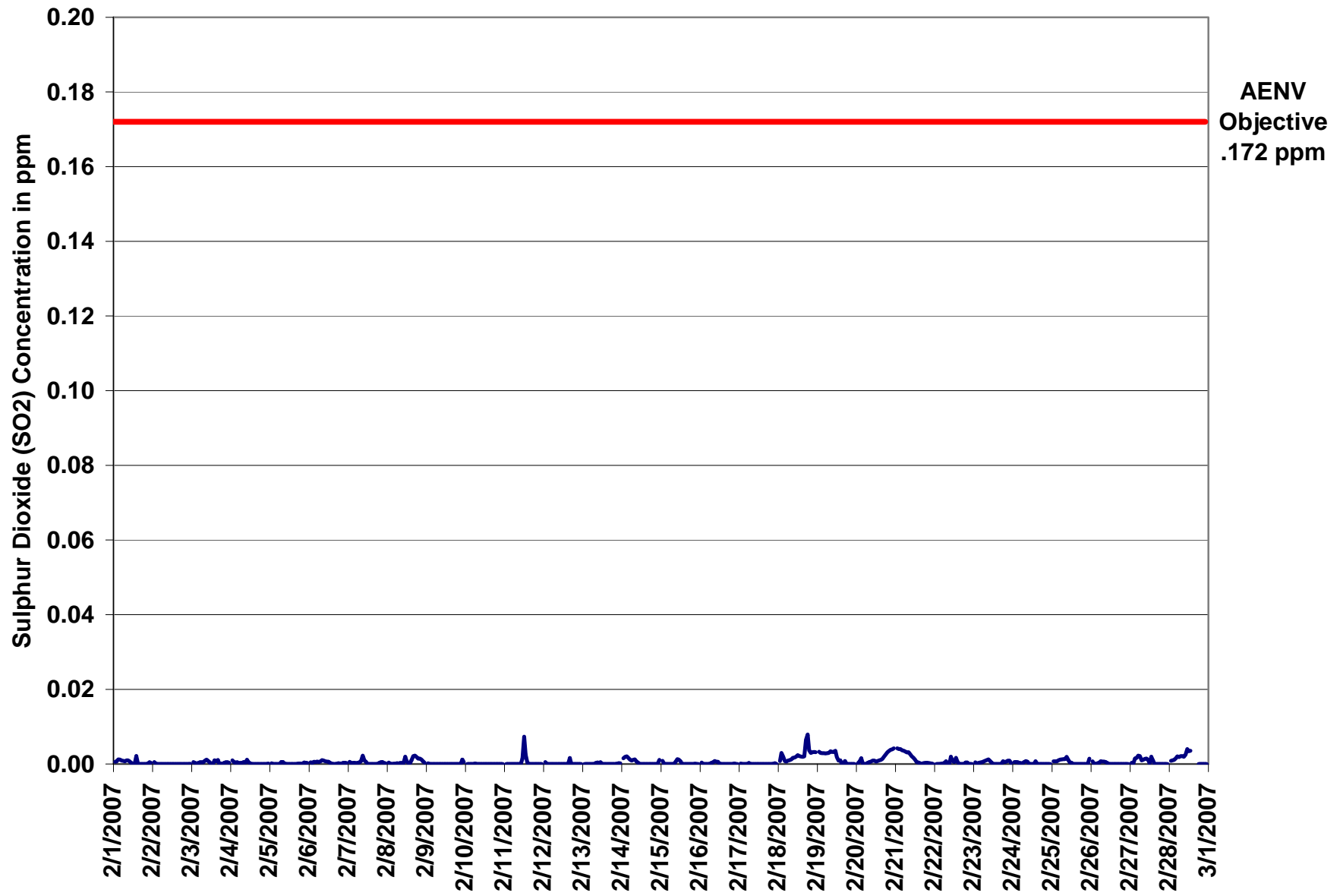


Figure 54. PASZA - Valleyview Sulphur Dioxide 1-hr Average Monthly Trend

Station: Valleyview
 Station Owner: PASZA

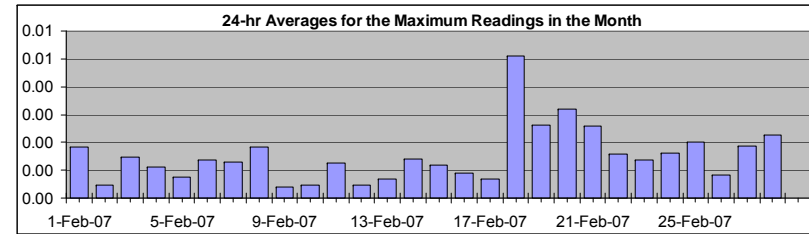
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	0.02	ppm	18-Feb	17:00 18:00
Maximum 24-hr Value:	0.01	ppm	18-Feb	



AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00 ppm	0.00 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	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	24-hour Average	Daily Maximum	
1-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
2-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
12-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
15-Feb-07	A	0:01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
16-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18-Feb-07	A	0:00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.02
19-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20-Feb-07	A	0:00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
21-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
23-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
25-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
26-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
28-Feb-07	A	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	C	C	C	A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Hourly Avg	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hourly Max	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.02

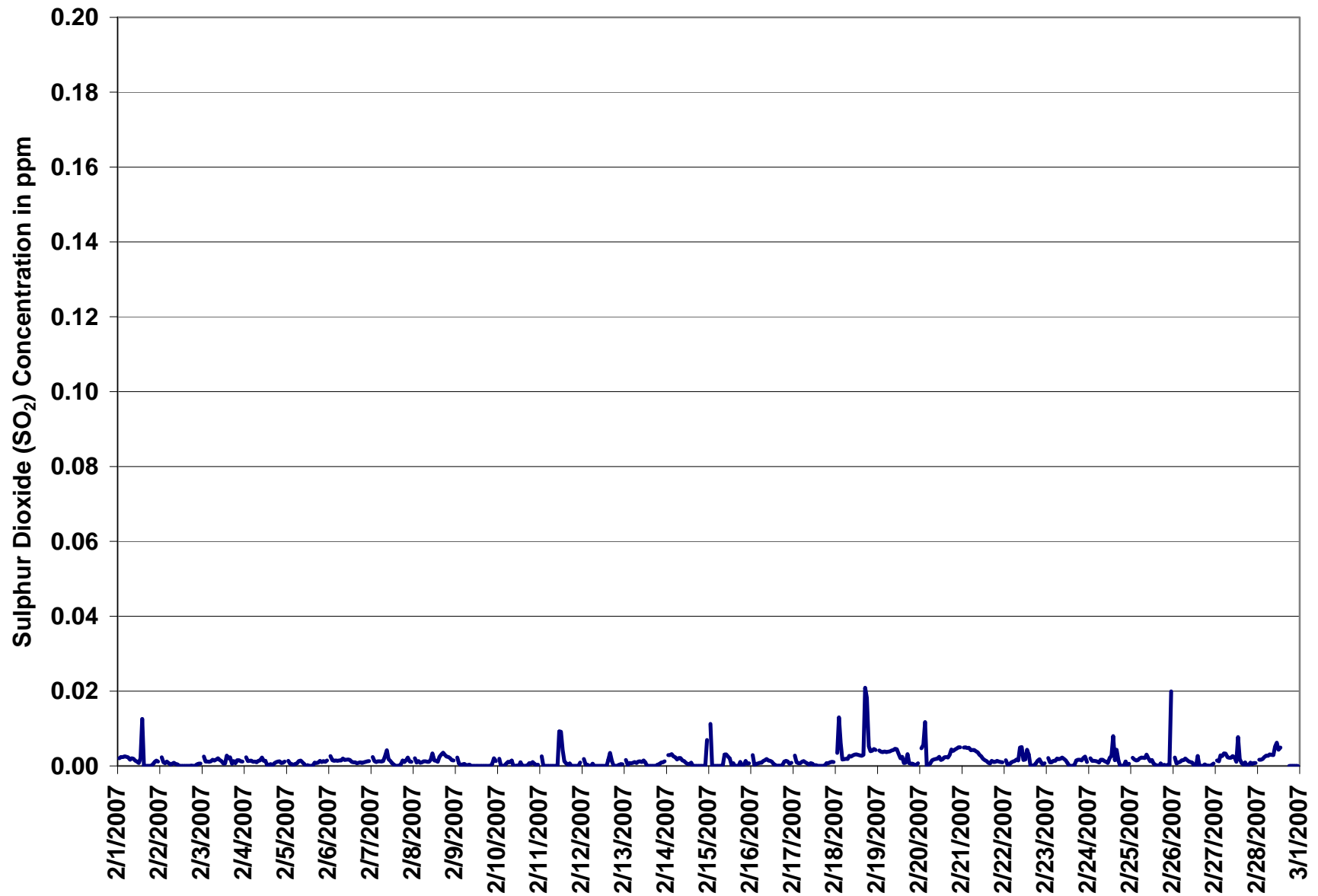
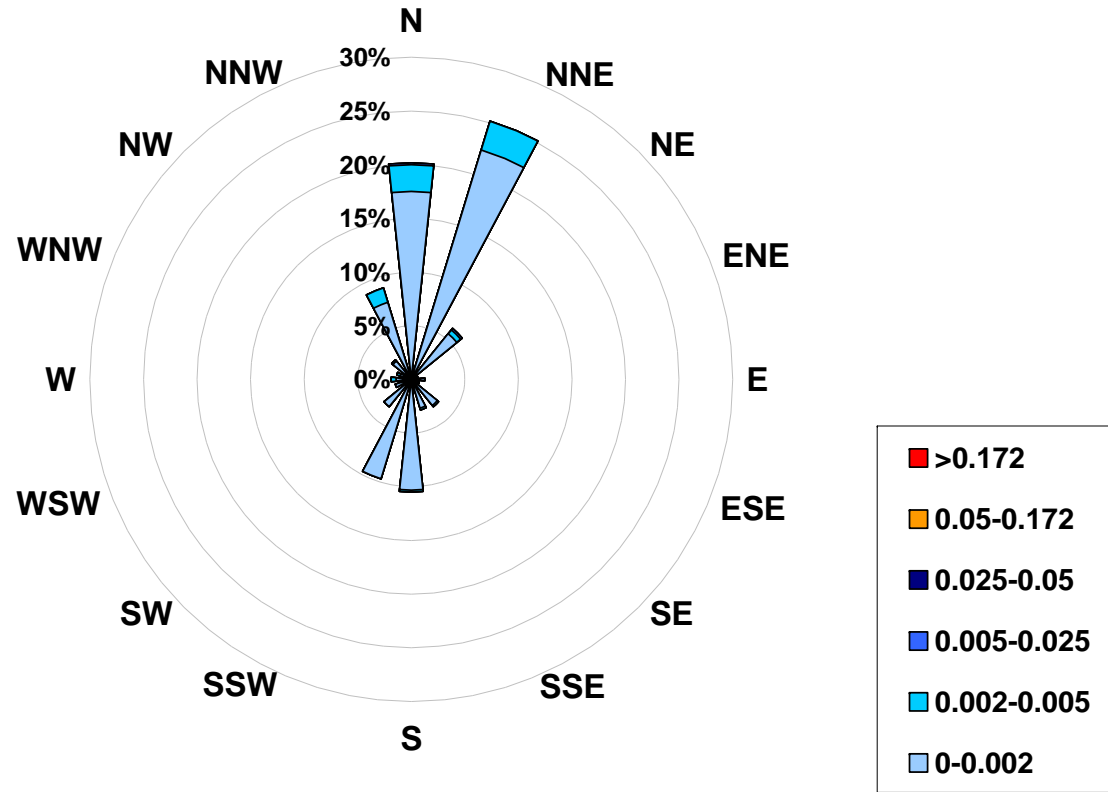


Figure 55. PASZA - Valleyview Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppm			Frequency (hrs)
Range			
0.0	<	0.002	582
0.002	to	0.005	55
0.005	to	0.025	3
0.025	to	0.05	0
0.05	to	0.172	0
	>	0.172	0
Total Non-Zero Values			640

PASZA - Valleyview - Hydrogen Sulphide Monthly Summary

Station: Valleyview
 Station Owner: PASZA

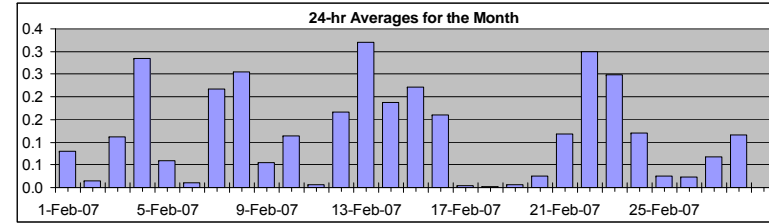
HOURLY AVERAGE TABLE

Hydrogen Sulphide (H₂S)

Monitoring Dates: February 1, 2007 to March 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:	1.3 ppb 28-Feb 13:00 14:00
Maximum 24-hr Value:	0.3 ppb 13-Feb



AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.1 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	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	24-hour Average	Daily Maximum
1-Feb-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	0.3
2-Feb-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	0.2
3-Feb-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0.1	0.6
4-Feb-07	A	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7
5-Feb-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	0.3
6-Feb-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	0.1
7-Feb-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	0.5
8-Feb-07	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
9-Feb-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	0.3
10-Feb-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	0.4
11-Feb-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	0.0
12-Feb-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.2	0.7
13-Feb-07	A	1	1	1	1	1	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7
14-Feb-07	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0.2	0.8
15-Feb-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0.2	0.6
16-Feb-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	1	0	0.2	0.5
17-Feb-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	0.1
18-Feb-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	0.0
19-Feb-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	0.1
20-Feb-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	0.2
21-Feb-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	0.4
22-Feb-07	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.3	0.6
23-Feb-07	A	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
24-Feb-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	0.4
25-Feb-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	0.1
26-Feb-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	0.1
27-Feb-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	0.3
28-Feb-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	C	C	C	A	0	0	0	0	0	0	0.1	1.3
Hourly Avg	N	0.13	0.12	0.11	0.09	0.08	0.08	0.07	0.10	0.12	0.12	0.11	0.14	0.17	0.14	0.08	0.12	0.13	0.14	0.14	0.13	0.11	0.14	0.12				
Hourly Max	0.00	0.69	0.65	0.65	0.64	0.73	0.52	0.46	0.53	0.60	0.51	0.58	0.48	1.28	0.53	0.40	0.45	0.61	0.58	0.69	0.79	0.53	0.64	0.65				

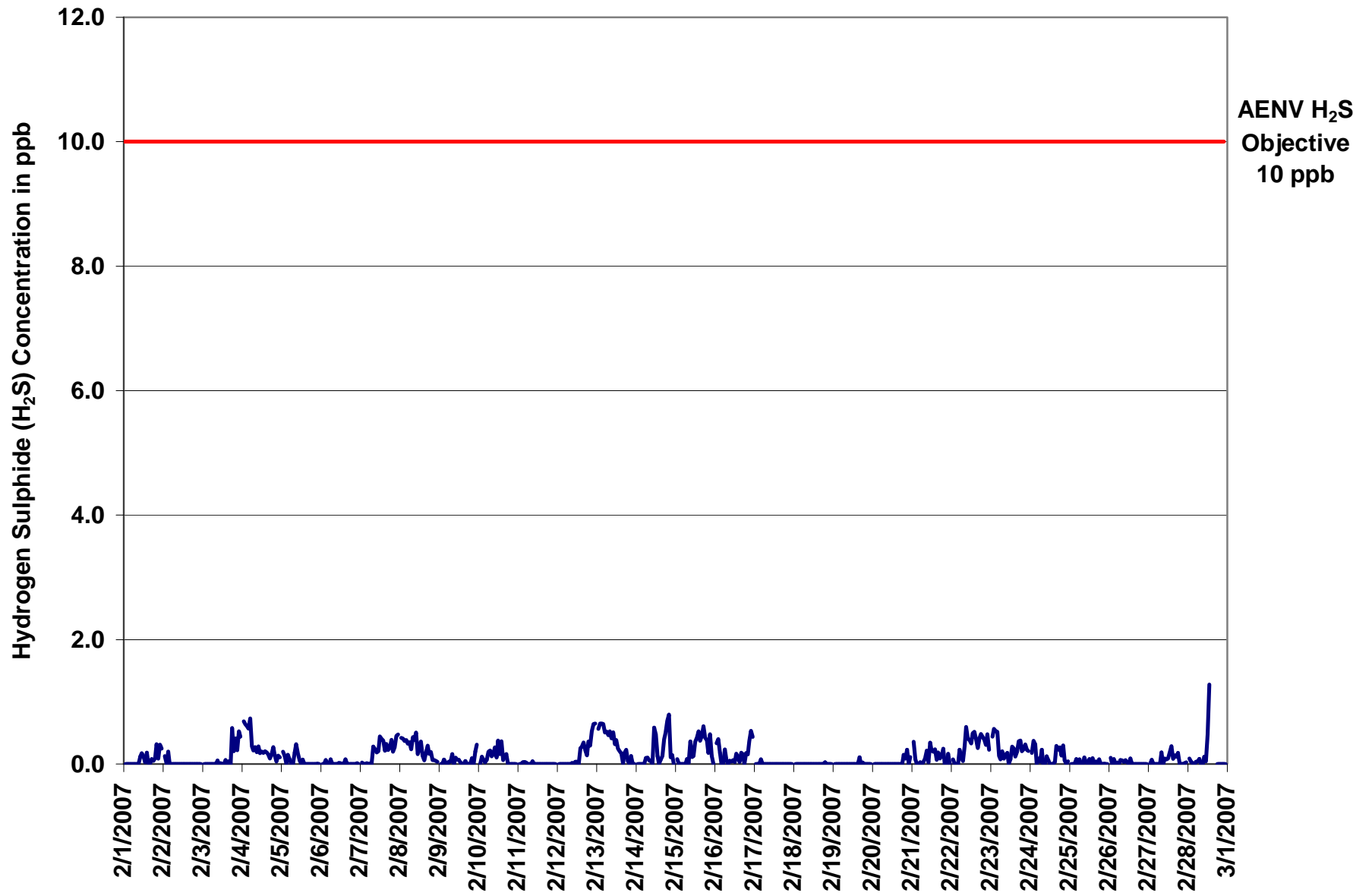


Figure 56. PASZA - Valleyview Hydrogen Sulphide 1-hr Average Monthly Trend

Station: Valleyview
 Station Owner: PASZA

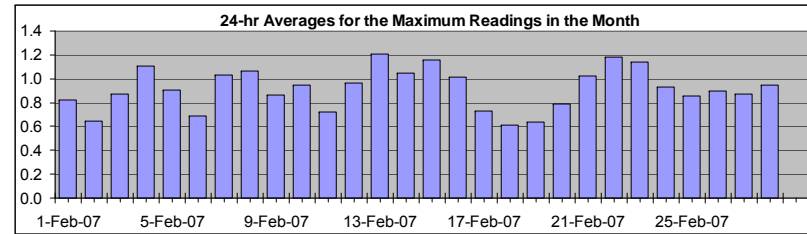
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Hydrogen Sulphide (H₂S)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Value:	2.3	ppb	14-Feb	19:00 20:00
Maximum 24-hr Value:	1.2	ppb	13-Feb	



AIC Time:	29 hrs	Operational Time:	640 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.5	1.1	0.9	0.7	0.4	0.2	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	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	0:00	24-hour Average	Daily Maximum
1-Feb-07	A	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.5
2-Feb-07	A	1	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	0	1	1	0	1	1	1	1	0	1	0.6	1.1
3-Feb-07	A	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0.9	1.7	
4-Feb-07	A	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.7
5-Feb-07	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0.9	1.5
6-Feb-07	A	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.7	1.0
7-Feb-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	1	1	1	1.0	1.3
8-Feb-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	1	1	1	1.1	1.4
9-Feb-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	1	1	1	0.9	1.3
10-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	0.9	1.6
11-Feb-07	A	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	0	0	0.7	1.3	
12-Feb-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	1	2	1.0	1.6	
13-Feb-07	A	1	1	2	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1.2	1.6
14-Feb-07	A	1	1	1	1	1	1	1	1	1	1	0	2	2	1	1	1	1	1	2	1	2	2	1	1	1	1	1.0	2.3
15-Feb-07	A	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	2	2	2	2	1	2	1	1	1	1.2	1.8
16-Feb-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	1	1	1	1.0	1.4
17-Feb-07	A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0.7	1.0
18-Feb-07	A	0	1	0	0	1	1	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0.6	1.2
19-Feb-07	A	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0.6	1.1
20-Feb-07	A	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0.8	1.4
21-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.7
22-Feb-07	A	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1.2	1.7
23-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1.1	1.6
24-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0.9	1.6
25-Feb-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	1	1	1	0.9	1.4
26-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0.9	1.2
27-Feb-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	1	1	1	0.9	1.2
28-Feb-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	C	C	C	A	1	1	0	0	0	0	0	0.9	2.2
Hourly Avg	N	0.89	0.88	0.88	0.85	0.86	0.87	0.90	0.89	0.89	0.88	0.92	1.11	0.98	0.95	0.91	0.93	0.92	0.97	1.04	0.89	0.94	0.87	0.85					
Hourly Max	0.00	1.67	1.55	1.64	1.50	1.54	1.58	1.61	1.64	1.71	1.56	1.78	1.89	2.25	1.61	1.54	1.53	1.66	1.80	2.25	1.76	1.51	1.68	1.60					

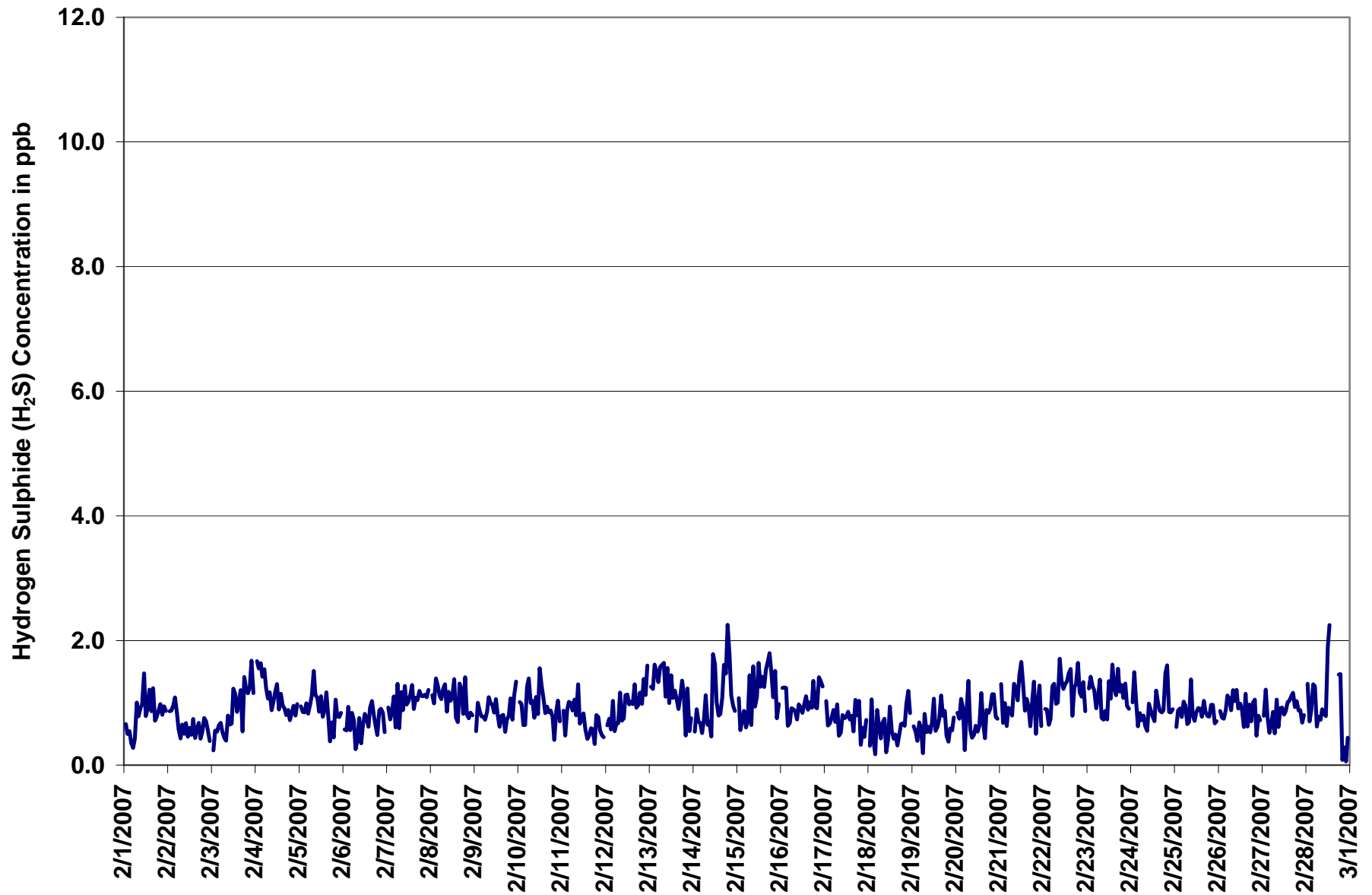
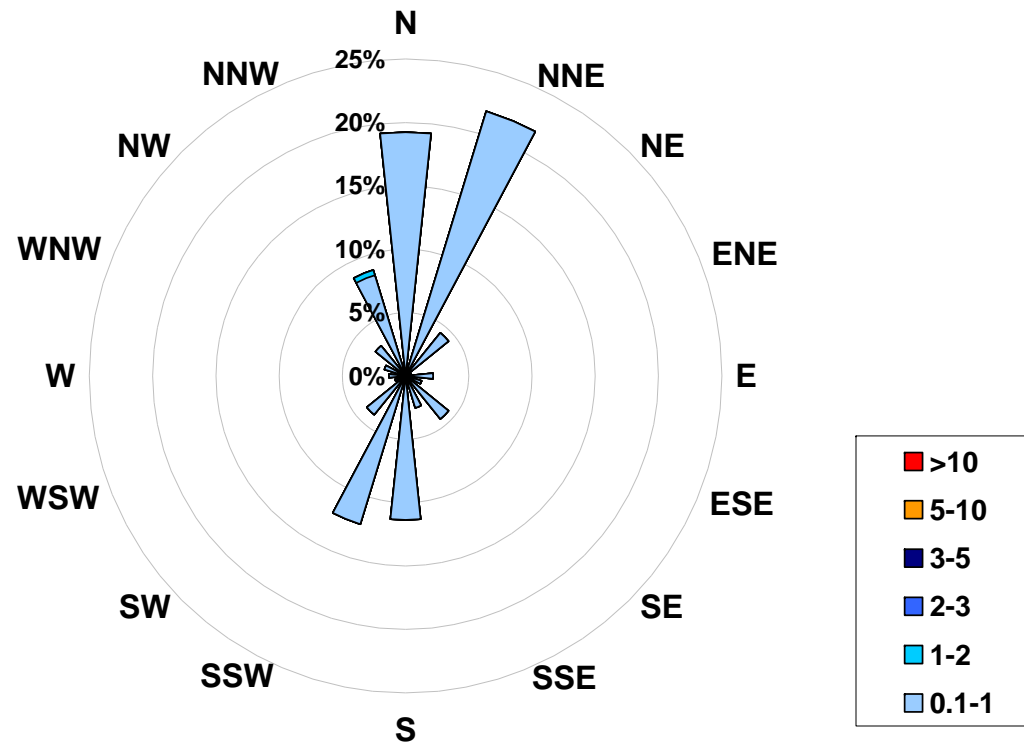


Figure 57. PASZA - Valleyview Hydrogen Sulphide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of H ₂ S in ppb			
Range		Frequency (hrs)	
0.1	< 1	639	
1	to 2	1	
2	to 3	0	
3	to 5	0	
5	to 10	0	
	> 10	0	
Total Non-Zero Values		640	

PASZA - Valleyview - Relative Humidity Monthly Summary

Station: Valleyview
 Station Owner: PASZA

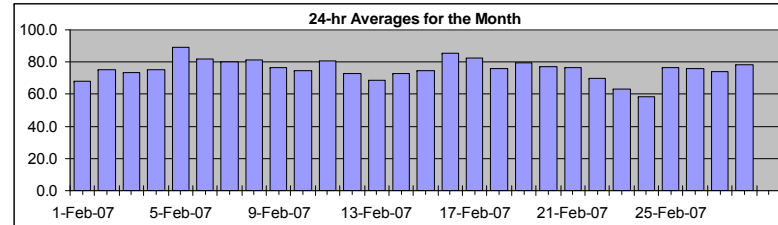
HOURLY AVERAGE TABLE

Relative Humidity (RH)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	96.1	%	16-Feb	1:00 2:00
Maximum 24-hr Value:	88.9	%	5-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	94.9	89.8	81.8	77.3	70.7	56.6	45.7	75.7 %	77.3 %

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	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-Feb-07	79	70	65	56	64	69	72	76	80	75	72	66	62	56	54	55	54	58	65	71	75	77	78	79		67.9	80.0
2-Feb-07	77	76	75	75	78	80	80	80	81	79	76	73	70	69	67	67	68	67	69	71	77	84	87	87		75.5	87.3
3-Feb-07	85	84	83	82	82	82	82	82	82	78	77	70	68	65	60	57	57	61	66	71	74	75	74	72		73.7	84.7
4-Feb-07	76	76	76	77	77	74	73	74	74	74	71	68	65	64	64	63	66	67	82	90	90	91	90	89		75.4	90.7
5-Feb-07	89	90	92	94	95	96	95	94	94	94	94	93	93	90	85	83	82	84	84	84	84	83	82	83		88.9	95.6
6-Feb-07	84	85	85	86	86	85	86	85	85	83	82	82	82	81	79	78	78	80	80	80	80	79	79	79		82.0	85.9
7-Feb-07	79	79	80	82	80	80	81	81	80	82	82	81	80	81	79	78	79	77	79	80	80	80	81	81		80.1	81.8
8-Feb-07	81	82	82	81	81	81	82	81	81	81	80	79	80	80	78	80	81	82	83	83	83	83	83	83		81.3	82.8
9-Feb-07	82	82	81	81	81	81	80	81	81	80	78	77	75	71	69	70	72	72	72	73	74	75	74	74		76.5	82.0
10-Feb-07	74	76	76	76	75	76	76	76	77	76	73	72	72	69	72	72	72	73	74	78	79	79	77	78		74.9	78.9
11-Feb-07	82	82	82	83	84	85	82	80	81	80	78	78	78	77	77	78	78	80	82	83	83	83	81	80		80.6	84.7
12-Feb-07	80	79	80	81	81	80	80	79	79	78	76	74	67	63	60	59	59	62	66	69	72	73	77	80		73.1	81.0
13-Feb-07	81	82	80	80	78	76	74	73	73	72	73	68	59	56	54	55	55	59	62	65	67	68	68	67		68.6	81.8
14-Feb-07	66	66	68	69	70	70	71	72	77	76	72	69	67	66	67	68	69	69	75	81	86	88	89	77		72.8	88.9
15-Feb-07	70	73	74	74	74	81	80	82	80	74	66	65	65	63	64	65	65	65	69	78	82	90	96	96		74.7	96.0
16-Feb-07	96	96	95	94	91	90	90	87	85	82	81	82	82	79	76	75	75	77	81	86	92	93	91	83		85.8	96.1
17-Feb-07	78	80	80	83	86	81	84	95	95	94	91	86	83	80	80	78	76	74	75	75	78	82	83	82		82.4	94.9
18-Feb-07	85	84	76	75	80	85	86	86	87	86	78	71	67	62	62	61	65	69	72	74	76	79	80	83		76.2	87.3
19-Feb-07	85	88	86	84	83	83	86	88	84	82	80	76	75	73	71	72	72	74	79	80	78	77	78	66		79.2	87.8
20-Feb-07	66	73	76	72	85	93	88	87	88	91	83	79	77	74	71	72	72	71	72	72	72	70	70		76.8	93.0	
21-Feb-07	73	80	81	81	81	82	82	83	82	79	76	72	70	68	67	65	66	69	73	77	79	81	82	82		76.3	82.6
22-Feb-07	83	84	83	82	81	80	77	77	74	69	73	68	60	51	47	48	53	60	67	69	71	70	72	73		69.6	84.4
23-Feb-07	73	73	74	75	75	77	79	79	76	68	61	56	51	50	48	47	46	49	51	51	56	59	70	69		63.0	79.4
24-Feb-07	72	72	72	72	75	77	80	82	82	68	62	59	53	50	43	28	28	33	37	42	46	49	56	63		58.4	82.1
25-Feb-07	69	76	80	84	88	90	90	87	87	83	77	70	63	63	64	66	68	69	72	76	78	80	81	80		76.6	89.7
26-Feb-07	74	75	78	82	85	88	87	85	83	80	77	72	68	68	68	67	66	68	70	71	73	77	78	79		75.8	88.0
27-Feb-07	83	81	74	71	71	71	76	80	79	75	71	71	69	66	67	67	71	73	74	76	79	81	85		74.2	84.9	
28-Feb-07	89	90	89	87	87	85	83	83	83	82	78	73	70	69	67	63	62	65	69	73	78	82	85	88		78.3	90.2
																										N	0.0
Hourly Avg	78.96	79.87	79.53	79.21	80.49	81.38	81.47	81.98	81.75	79.25	76.37	73.19	70.39	68.13	66.50	65.55	66.11	67.93	71.36	74.10	76.30	78.01	79.37	78.79			
Hourly Max	95.81	96.05	94.99	93.79	94.96	95.60	94.91	94.80	94.91	93.91	93.80	92.79	92.51	90.00	85.31	83.29	82.16	84.06	84.08	89.95	91.58	92.63	95.72	96.01			

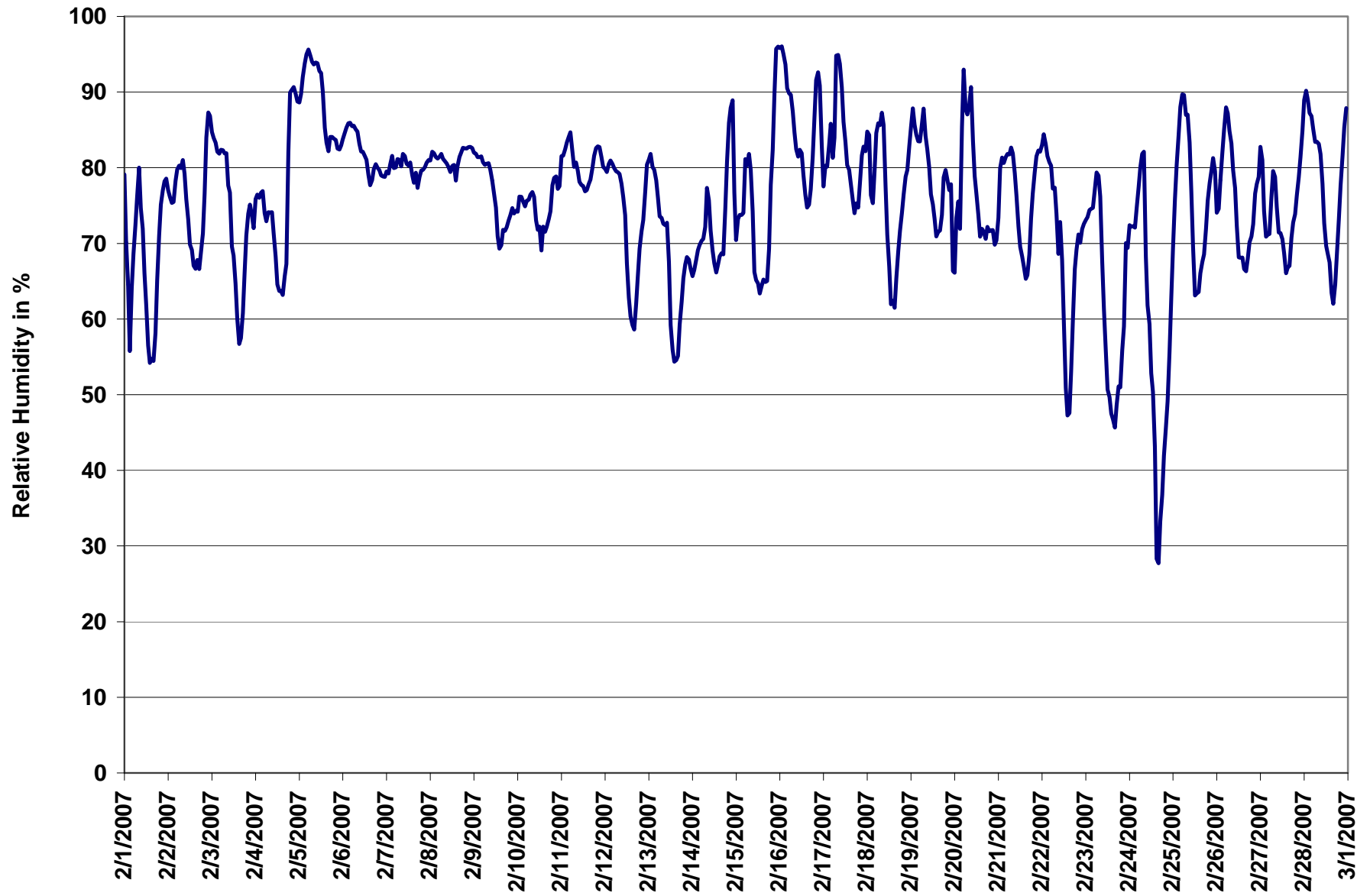


Figure 58. PASZA - Valleyview Relative Humidity 1-hr Average Monthly Trend

PASZA - Valleyview - Temperature Monthly Summary

Station: Valleyview
 Station Owner: PASZA

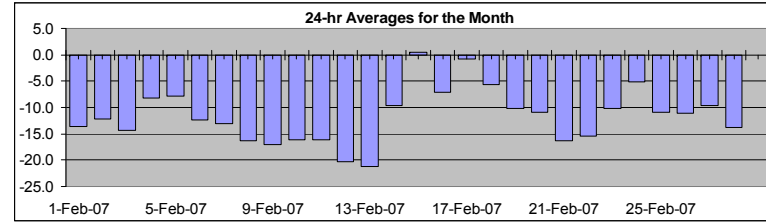
HOURLY AVERAGE TABLE

Ambient Temperature (T)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	3.1	°C	17-Feb	17:00 18:00
Maximum 24-hr Value:	0.4	°C	15-Feb	



AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.4	0.2	-7.9	-12.1	-15.8	-20.4	-27.7	-11.6 °C	-12.1 °C

Status Flag Characters

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

Day	Mountain Standard Time																								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-Feb-07	-8	-10	-13	-15	-16	-17	-17	-19	-20	-19	-18	-15	-12	-10	-8	-8	-8	-9	-11	-13	-14	-15	-16	-16	-13.6	-7.8
2-Feb-07	-15	-13	-13	-13	-13	-13	-13	-12	-13	-13	-12	-12	-11	-10	-9	-9	-9	-9	-10	-10	-12	-14	-16	-17	-12.1	-9.0
3-Feb-07	-17	-18	-17	-17	-18	-18	-19	-20	-20	-20	-18	-14	-13	-11	-9	-8	-8	-9	-10	-11	-12	-13	-12	-12	-14.4	-7.7
4-Feb-07	-12	-11	-11	-10	-9	-9	-9	-10	-9	-9	-8	-7	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-8.3	-6.3
5-Feb-07	-7	-7	-6	-6	-5	-4	-5	-6	-7	-6	-6	-6	-6	-7	-9	-10	-10	-11	-11	-11	-11	-12	-12	-12	-7.9	-4.3
6-Feb-07	-12	-12	-12	-13	-13	-13	-13	-14	-14	-14	-14	-14	-13	-13	-12	-12	-11	-11	-11	-12	-12	-12	-12	-12	-12.4	-10.7
7-Feb-07	-13	-13	-13	-13	-13	-13	-14	-14	-14	-14	-13	-12	-12	-12	-12	-12	-13	-13	-14	-14	-14	-14	-14	-14	-13.0	-11.6
8-Feb-07	-14	-14	-15	-15	-15	-16	-16	-17	-17	-17	-17	-17	-16	-16	-16	-16	-17	-17	-17	-17	-17	-17	-17	-17	-16.3	-14.3
9-Feb-07	-18	-18	-18	-19	-19	-20	-20	-19	-19	-19	-18	-18	-17	-16	-15	-15	-15	-15	-15	-16	-16	-15	-15	-15	-17.0	-14.9
10-Feb-07	-15	-16	-16	-17	-17	-17	-17	-18	-18	-18	-17	-17	-16	-15	-15	-15	-15	-14	-14	-15	-16	-16	-16	-16	-16.1	-14.2
11-Feb-07	-16	-16	-16	-16	-16	-16	-16	-16	-16	-17	-17	-17	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16.1	-15.7
12-Feb-07	-18	-19	-20	-22	-23	-23	-23	-24	-24	-25	-24	-22	-21	-19	-17	-16	-14	-16	-17	-18	-19	-20	-22	-23	-20.4	-13.6
13-Feb-07	-25	-27	-27	-28	-29	-30	-32	-32	-32	-30	-25	-20	-15	-14	-12	-12	-12	-12	-13	-14	-16	-16	-16	-16	-21.1	-11.6
14-Feb-07	-16	-16	-16	-16	-15	-15	-15	-15	-15	-13	-13	-11	-9	-7	-5	-4	-3	-3	-4	-5	-6	-5	-5	0	-9.6	-0.2
15-Feb-07	2	1	1	1	1	-1	-1	-1	-2	-2	0	0	1	1	1	2	2	2	2	1	0	0	0	0	0.4	2.3
16-Feb-07	0	0	-2	-4	-6	-8	-8	-9	-10	-10	-10	-9	-9	-8	-7	-6	-6	-7	-7	-9	-10	-10	-11	-7	-7.1	0.0
17-Feb-07	-4	-5	-5	-5	-5	-5	-4	-4	-3	-3	-2	-1	0	1	2	2	3	3	3	3	3	2	2	1	-0.8	3.1
18-Feb-07	0	0	2	2	0	-1	-1	-1	-2	-5	-5	-6	-8	-8	-8	-8	-9	-10	-10	-11	-12	-12	-12	-12	-5.7	1.7
19-Feb-07	-12	-12	-13	-13	-13	-14	-15	-16	-17	-16	-14	-13	-12	-11	-9	-7	-6	-5	-6	-5	-5	-4	-4	-3	-10.1	-3.0
20-Feb-07	-4	-4	0	0	-5	-7	-9	-10	-11	-11	-11	-11	-12	-12	-12	-12	-14	-15	-16	-16	-16	-16	-17	-17	-10.9	0.0
21-Feb-07	-17	-17	-17	-17	-17	-18	-18	-18	-18	-17	-17	-16	-15	-14	-13	-13	-13	-15	-16	-17	-18	-18	-18	-18	-16.4	-12.8
22-Feb-07	-19	-20	-21	-23	-24	-25	-26	-27	-26	-23	-21	-17	-13	-8	-6	-5	-6	-7	-9	-9	-9	-9	-9	-9	-15.4	-4.9
23-Feb-07	-9	-9	-10	-12	-16	-17	-17	-17	-16	-14	-12	-11	-9	-8	-7	-6	-6	-6	-6	-6	-7	-7	-6	-8	-10.1	-5.6
24-Feb-07	-10	-10	-10	-9	-9	-10	-10	-11	-11	-8	-6	-5	-3	-2	0	3	3	2	0	-1	-2	-3	-5	-7	-5.1	3.1
25-Feb-07	-9	-10	-11	-12	-13	-14	-15	-16	-15	-14	-12	-10	-8	-8	-7	-8	-7	-8	-8	-10	-11	-11	-12	-11	-10.8	-7.4
26-Feb-07	-11	-11	-12	-14	-15	-16	-16	-16	-15	-14	-12	-10	-9	-8	-8	-7	-7	-8	-8	-8	-9	-10	-10	-11	-11.1	-7.4
27-Feb-07	-12	-11	-10	-9	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-8	-8	-8	-8	-8	-9	-10	-11	-12	-13	-9.7	-7.7
28-Feb-07	-14	-15	-16	-17	-17	-18	-18	-17	-17	-15	-13	-12	-11	-10	-9	-9	-9	-11	-12	-14	-14	-14	-15	-16	-13.9	-8.8
Hourly Avg	-11.6	-11.9	-12.0	-12.5	-13.2	-13.7	-14.2	-14.6	-14.7	-14.1	-13.1	-11.8	-10.7	-9.8	-9.0	-8.5	-8.5	-9.1	-9.7	-10.4	-11.0	-11.3	-11.6	-11.6		
Hourly Max	2.3	1.4	1.7	1.6	0.9	-0.7	-0.6	-1.1	-1.8	-1.5	-0.2	-0.1	0.5	1.4	1.8	3.1	3.0	3.1	2.9	3.0	2.6	1.9	1.5	1.2		

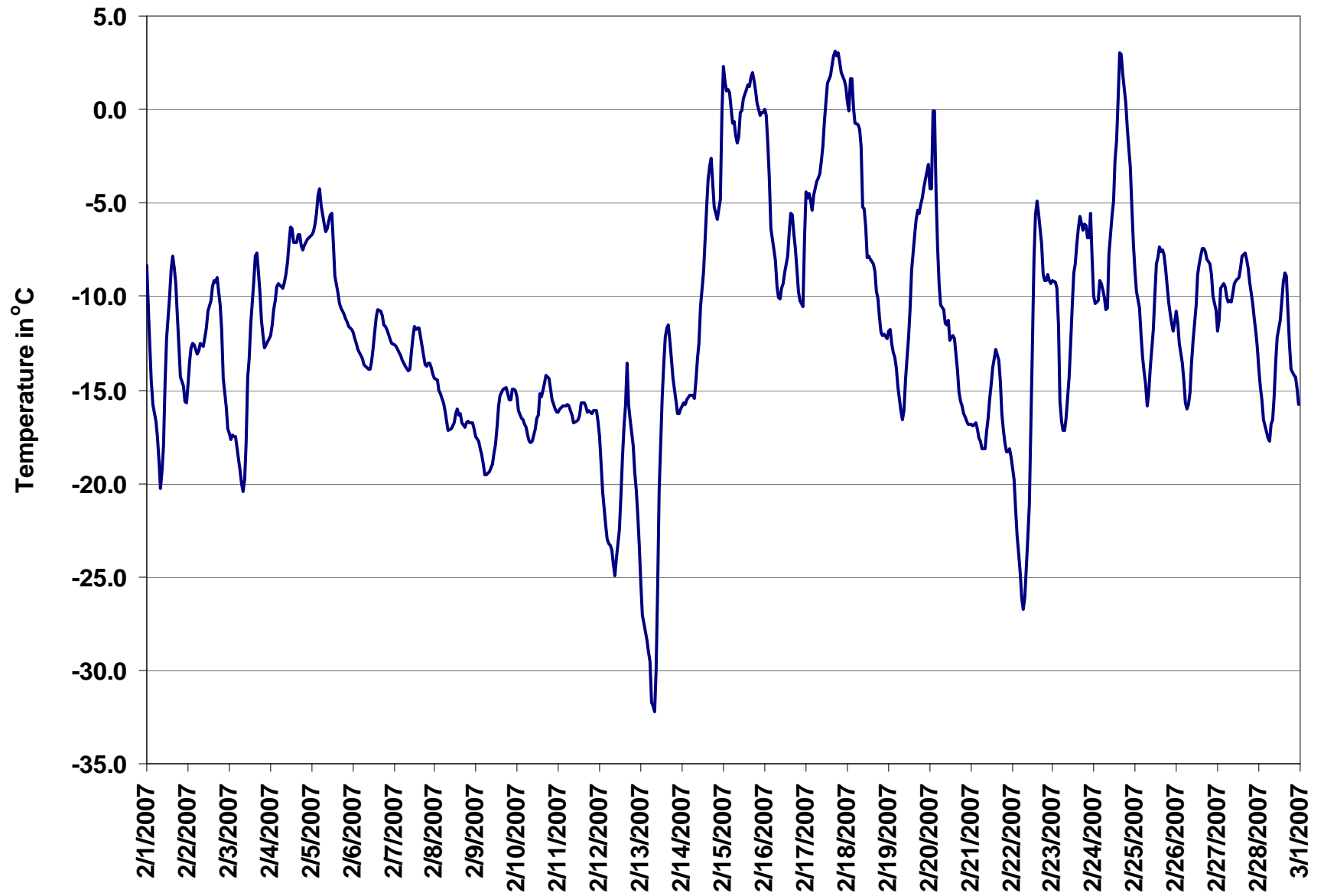


Figure 59. PASZA - Valleyview Temperature 1-hr Average Monthly Trend

PASZA - Valleyview - Scalar Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

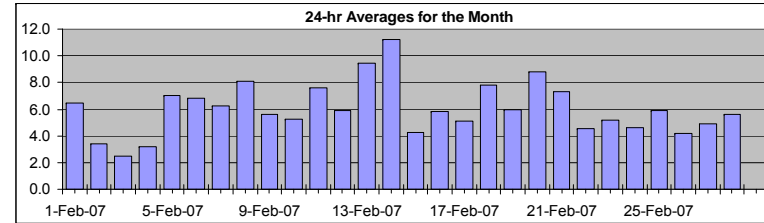
Wind Speed (WSs)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	25.2	km/hr	1-Feb	0:00 1:00
Maximum 24-hr Value:	11.2	km/hr	14-Feb	

Calm Time:	1 hrs	0% calms	Operational Time:	671 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	19.9	13.0	7.8	5.3	3.4	1.5	1.1	6.0 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								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	0:00		
1-Feb-07	25	23	20	18	7	7	4	4	3	2	2	4	7	4	3	4	4	2	2	2	3	2	1	2	6.5	25.2	
2-Feb-07	2	3	3	2	4	5	4	2	2	3	3	5	5	6	7	5	4	3	5	3	2	2	2	2	3.4	6.8	
3-Feb-07	2	3	2	2	2	1	2	2	3	2	3	3	5	6	3	3	2	1	1	3	2	2	2	2	2.5	5.8	
4-Feb-07	2	2	2	4	2	3	5	4	2	2	2	3	4	7	8	6	3	3	2	3	2	3	2	2	3.2	8.3	
5-Feb-07	4	5	4	4	2	5	6	6	6	6	6	4	9	15	14	15	10	9	8	5	5	7	6	5	7.0	15.1	
6-Feb-07	6	7	6	6	6	5	6	7	7	7	7	9	8	9	9	7	9	8	8	6	6	5	5	5	6.9	9.4	
7-Feb-07	5	5	4	4	5	4	4	4	3	5	5	6	6	9	10	9	9	9	8	8	7	7	7	7	6.3	9.9	
8-Feb-07	5	6	8	7	8	8	8	7	9	6	9	9	9	11	13	11	10	10	9	8	7	5	5	4	8.1	12.9	
9-Feb-07	4	4	5	5	6	5	5	3	4	4	4	7	9	7	8	7	5	7	7	6	3	5	7	6	5.6	9.2	
10-Feb-07	6	3	3	4	4	5	6	3	3	2	2	3	4	5	7	7	6	6	6	9	9	9	9	7	5.2	9.3	
11-Feb-07	5	3	4	5	4	3	4	7	6	8	8	10	11	10	12	11	11	9	9	9	9	8	8	8	7.6	11.8	
12-Feb-07	8	7	7	6	5	5	4	5	6	6	5	8	8	9	6	10	8	9	5	5	4	5	3	2	3	5.9	10.2
13-Feb-07	1	3	1	2	2	2	1	calm	2	1	1	5	14	16	14	15	17	11	13	20	21	19	17	20	9.5	20.8	
14-Feb-07	21	22	23	15	13	14	16	15	9	12	10	12	10	8	6	9	10	7	7	5	4	6	5	9	11.2	23.0	
15-Feb-07	9	6	7	6	5	4	7	8	5	3	2	2	3	2	2	3	3	3	2	3	3	5	5	5	4.3	9.4	
16-Feb-07	4	4	6	9	8	8	8	8	6	7	5	6	6	9	7	7	5	6	3	2	1	4	4	6	5.8	9.0	
17-Feb-07	5	6	4	4	5	5	5	3	5	3	6	4	3	5	6	5	5	5	4	9	8	7	5	6	5.1	9.0	
18-Feb-07	6	5	12	7	5	9	7	6	7	12	15	19	12	8	10	10	9	6	4	5	3	3	3	6	7.8	18.6	
19-Feb-07	4	5	10	8	9	8	5	5	2	2	2	5	6	6	6	8	7	7	6	4	2	5	4	15	5.9	14.8	
20-Feb-07	13	8	13	6	9	9	9	7	8	11	6	8	12	10	9	11	12	10	8	9	6	5	7	7	8.8	12.9	
21-Feb-07	7	6	6	7	5	5	5	3	4	4	7	9	12	13	14	13	12	10	10	7	5	6	3	2	7.3	14.5	
22-Feb-07	2	2	1	2	2	2	3	1	2	1	3	5	6	4	4	6	9	14	9	9	4	9	4	7	4.5	13.7	
23-Feb-07	9	12	8	8	4	3	3	3	4	4	5	4	3	4	5	6	6	6	4	3	4	5	5	4	5.1	11.9	
24-Feb-07	4	3	5	4	3	4	2	1	1	1	2	4	5	6	5	7	9	11	9	6	4	4	5	6	4.6	10.7	
25-Feb-07	6	5	5	4	3	2	2	1	1	3	6	7	9	13	12	14	13	8	6	4	6	4	3	3	5.9	13.9	
26-Feb-07	5	7	5	6	3	1	1	1	1	1	2	4	3	5	7	7	8	8	8	6	3	2	3	3	4.2	8.4	
27-Feb-07	4	3	5	8	5	8	4	1	3	3	4	5	6	6	5	6	7	8	6	6	7	4	2	1	4.9	8.5	
28-Feb-07	2	2	2	1	3	3	2	2	3	3	3	4	5	7	13	13	13	14	10	11	8	6	3	1	5.6	14.0	
1-hr Average	6.3	6.1	6.5	5.9	5.0	5.0	4.9	4.4	4.2	4.5	4.8	6.1	7.2	7.8	8.3	8.4	8.2	7.3	6.4	6.2	5.4	5.4	4.8	5.5			
Hourly Max	25.2	22.6	23.0	18.0	12.9	14.3	16.2	15.2	9.4	12.4	14.5	18.6	13.6	15.6	14.5	15.5	16.8	14.0	13.3	19.5	20.8	19.3	17.4	19.7			

PASZA - Valleyview - Vector Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

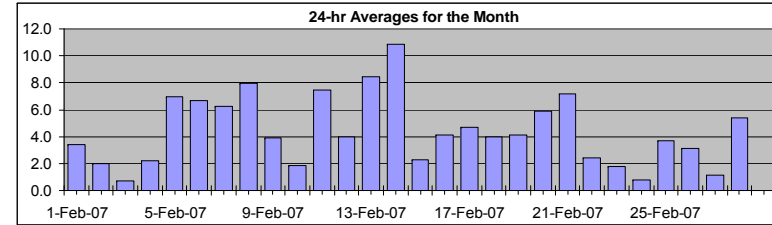
HOURLY AVERAGE TABLE

Wind Speed (WSv)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Maximum 1-hr Average:	25.1	km/hr	1-Feb	0:00 1:00
Maximum 24-hr Value:	10.9	km/hr	14-Feb	



Calm Time:	28 hrs	4% calms	Operational Time:	644 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	20.0	13.2	7.8	5.3	3.3	1.3	0.9	2.1 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	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-Feb-07	25	22	20	18	7	7	3	3	3	1	2	4	7	4	3	3	4	1	1	2	2	1	calm	1	calm	0:00	3.4	25.1
2-Feb-07	2	2	2	1	4	4	4	1	1	2	3	5	5	6	7	5	4	2	5	3	1	2	2	2	2	2	2.0	6.7
3-Feb-07	2	3	2	2	1	calm	2	2	2	1	2	1	5	6	3	3	1	1	1	2	calm	1	2	1	1	0.7	5.6	
4-Feb-07	calm	2	calm	3	2	2	5	3	2	1	calm	2	3	7	8	6	3	3	2	3	2	3	2	2	2	2.2	8.3	
5-Feb-07	4	4	4	3	2	5	6	6	6	5	6	4	8	15	14	15	10	9	8	5	5	7	6	5	6.9	14.9		
6-Feb-07	6	7	6	5	6	4	6	7	7	7	7	9	8	9	9	7	9	7	8	6	6	5	5	5	6.7	9.3		
7-Feb-07	5	5	4	4	4	4	4	4	3	5	5	5	6	9	10	9	9	8	8	8	7	7	7	7	7	6.2	9.8	
8-Feb-07	5	6	8	6	8	7	8	7	9	6	9	8	9	11	13	11	10	10	9	8	7	5	5	4	8.0	12.7		
9-Feb-07	4	4	5	5	6	5	5	3	4	4	4	7	9	7	8	7	5	7	7	6	3	4	7	6	3.9	9.0		
10-Feb-07	6	3	2	4	4	5	6	3	3	2	2	2	3	4	6	7	6	6	6	9	9	9	9	7	1.9	9.3		
11-Feb-07	5	3	3	5	4	3	4	7	6	8	8	9	10	10	12	11	11	9	9	9	9	8	8	8	7.5	11.7		
12-Feb-07	8	7	7	6	5	5	4	5	6	6	5	8	9	6	10	5	9	1	5	4	5	3	calm	3	4.0	10.2		
13-Feb-07	1	2	calm	2	calm	1	calm	calm	1	1	1	2	13	15	14	15	17	11	13	19	21	19	17	20	8.4	20.7		
14-Feb-07	21	22	23	15	13	14	16	15	9	12	10	12	10	8	5	8	10	7	7	5	4	6	5	8	10.9	22.9		
15-Feb-07	9	6	6	6	4	3	6	8	4	3	1	2	2	1	2	2	1	2	2	3	3	5	5	5	2.3	9.3		
16-Feb-07	4	3	6	9	8	8	8	8	6	7	5	6	6	9	7	7	5	5	2	calm	1	4	4	6	4.1	8.8		
17-Feb-07	5	6	4	4	5	4	5	3	5	3	6	4	3	5	6	5	5	5	4	9	8	7	5	6	4.7	8.9		
18-Feb-07	6	5	10	6	5	9	7	3	7	12	14	18	12	8	9	10	9	5	4	5	3	3	2	6	4.0	18.5		
19-Feb-07	4	5	10	8	9	8	5	4	1	calm	2	5	6	6	6	7	7	5	6	4	calm	3	calm	15	4.1	14.6		
20-Feb-07	13	6	12	5	8	8	9	7	8	11	6	7	12	10	9	11	12	10	8	9	6	5	7	7	5.9	12.7		
21-Feb-07	7	6	6	7	5	5	5	3	3	4	7	9	12	13	14	13	12	10	9	7	5	5	3	2	7.1	14.3		
22-Feb-07	calm	2	1	1	2	2	3	calm	calm	calm	3	5	6	1	1	5	9	13	8	9	4	9	4	7	2.4	13.4		
23-Feb-07	8	12	8	6	4	2	2	3	4	4	5	3	2	3	5	6	6	5	2	1	3	4	1	3	1.8	11.7		
24-Feb-07	4	3	5	4	2	2	calm	calm	1	calm	1	4	4	6	5	6	9	11	9	6	3	2	5	5	0.8	10.7		
25-Feb-07	6	5	5	4	3	calm	calm	1	calm	3	6	7	9	13	12	14	13	8	6	4	6	4	3	3	3.7	13.8		
26-Feb-07	5	7	5	6	3	calm	1	1	1	1	1	3	2	4	7	7	8	8	7	5	3	2	3	1	3.1	8.2		
27-Feb-07	4	3	5	8	4	7	4	calm	3	3	4	4	6	6	4	6	7	8	5	6	7	4	calm	1	1.1	8.4		
28-Feb-07	2	2	2	1	3	3	2	1	3	3	3	4	5	7	13	13	13	14	10	11	8	6	3	1	5.4	13.9		
1-hr Vector	3.9	3.7	9.9	8.1	7.5	8.4	11.1	15.1	18.5	14.1	10.4	13.4	14.0	11.0	12.7	14.6	13.3	9.1	5.4	3.5	3.6	3.7	4.2	2.9				
Hourly Max	25.1	22.4	22.9	17.9	12.8	14.0	16.1	15.1	9.2	11.7	14.3	18.5	13.5	15.4	14.3	15.3	16.7	13.9	13.2	19.4	20.7	19.2	17.3	19.6				

PASZA - Valleyview - Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%
Percentile	99	95	75	50
	358.1	353.5	230.6	154.1
			25	5
			1	1
				Average
				10 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	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-Feb-07	19	26	17	21	26	301	253	179	172	178	193	202	207	212	298	349	84	103	14	333	354	284	38	340	12	NNE	
2-Feb-07	209	199	182	129	39	356	321	323	52	58	37	347	346	349	350	340	355	22	332	23	310	189	153	253	354	N	
3-Feb-07	220	207	201	208	10	295	190	197	203	354	286	182	358	332	353	316	26	110	239	3	331	168	204	172	282	WNW	
4-Feb-07	250	6	120	342	91	37	28	355	215	84	177	151	37	3	358	350	334	18	13	357	13	12	348	11	10	N	
5-Feb-07	26	20	10	24	35	29	29	19	21	33	22	13	3	22	29	23	21	22	27	37	29	29	40	37	24	NNE	
6-Feb-07	25	15	16	21	29	33	25	21	35	14	6	5	6	358	12	27	20	31	25	38	36	40	32	35	21	NNE	
7-Feb-07	35	42	44	39	30	39	25	25	36	26	32	27	18	13	26	27	22	33	28	30	32	20	31	36	29	NNE	
8-Feb-07	47	9	17	30	17	29	26	23	24	24	15	23	16	8	15	29	16	20	20	31	33	36	49	37	23	NNE	
9-Feb-07	25	29	20	1	10	18	20	12	5	16	1	1	345	324	336	332	334	11	3	8	355	188	174	183	359	N	
10-Feb-07	194	205	208	202	200	193	193	180	192	201	179	283	354	348	338	360	351	2	7	11	6	9	16	18	350	N	
11-Feb-07	6	10	343	2	350	358	20	17	18	12	1	13	9	9	8	7	11	12	14	18	18	21	31	34	12	NNE	
12-Feb-07	34	27	19	22	30	27	14	32	27	29	6	0	358	348	352	8	138	94	144	134	135	151	3	358	29	NNE	
13-Feb-07	16	337	277	347	182	120	83	40	0	357	42	194	189	188	183	182	176	182	179	184	186	184	187	189	184	S	
14-Feb-07	188	188	190	186	187	187	193	192	198	193	201	193	191	188	201	191	192	200	208	215	195	195	185	276	194	SSW	
15-Feb-07	279	260	256	251	241	165	177	183	180	178	235	225	236	251	319	331	289	22	341	356	359	321	310	318	261	W	
16-Feb-07	289	352	24	23	35	37	32	19	29	14	12	6	360	7	6	353	339	329	264	85	233	198	213	217	7	N	
17-Feb-07	218	219	220	218	214	211	194	158	159	150	143	138	164	191	191	192	187	186	203	192	193	195	213	208	192	SSW	
18-Feb-07	211	219	278	261	210	191	182	179	21	11	347	345	336	339	349	352	10	42	57	4	16	346	26	17	341	NNW	
19-Feb-07	18	15	16	10	15	6	356	341	289	273	6	354	351	351	17	352	356	359	347	349	16	2	189	190	359	N	
20-Feb-07	193	233	266	247	7	9	11	14	6	17	22	27	13	19	19	8	15	18	22	33	26	47	47	35	11	N	
21-Feb-07	16	16	12	20	18	11	355	348	1	30	1	353	353	354	1	0	2	5	9	14	28	33	28	57	7	N	
22-Feb-07	181	198	203	137	9	197	198	218	173	35	8	18	350	310	306	194	180	175	158	142	163	178	203	172	177	S	
23-Feb-07	175	181	188	259	260	229	189	180	186	203	199	187	230	353	350	358	349	331	295	127	344	320	335	195	238	WSW	
24-Feb-07	209	216	194	210	230	228	345	74	338	304	352	340	346	344	359	152	153	135	133	112	32	92	340	354	128	SE	
25-Feb-07	32	44	36	38	33	211	260	34	345	31	3	358	5	353	4	358	357	334	312	236	200	215	208	182	357	N	
26-Feb-07	192	195	199	183	186	39	337	337	51	29	350	189	162	147	141	155	141	139	133	165	189	218	142	54	160	SSE	
27-Feb-07	6	10	124	140	149	141	163	171	124	180	213	239	268	333	330	333	345	2	20	14	7	18	15	187	11	N	
28-Feb-07	18	342	357	6	346	10	347	340	5	9	5	353	322	338	356	8	7	358	8	15	21	20	29	87	3	N	
Hourly Avg	189	332	323	311	326	313	314	305	300	306	323	326	333	328	328	334	337	333	320	267	184	192	175	186			

PASZA - Valleyview - Standard Deviation of Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

Monitoring Dates: February 1, 2007 to March 1, 2007

Summary

Determined by the Yamartino 15-min interval calculation

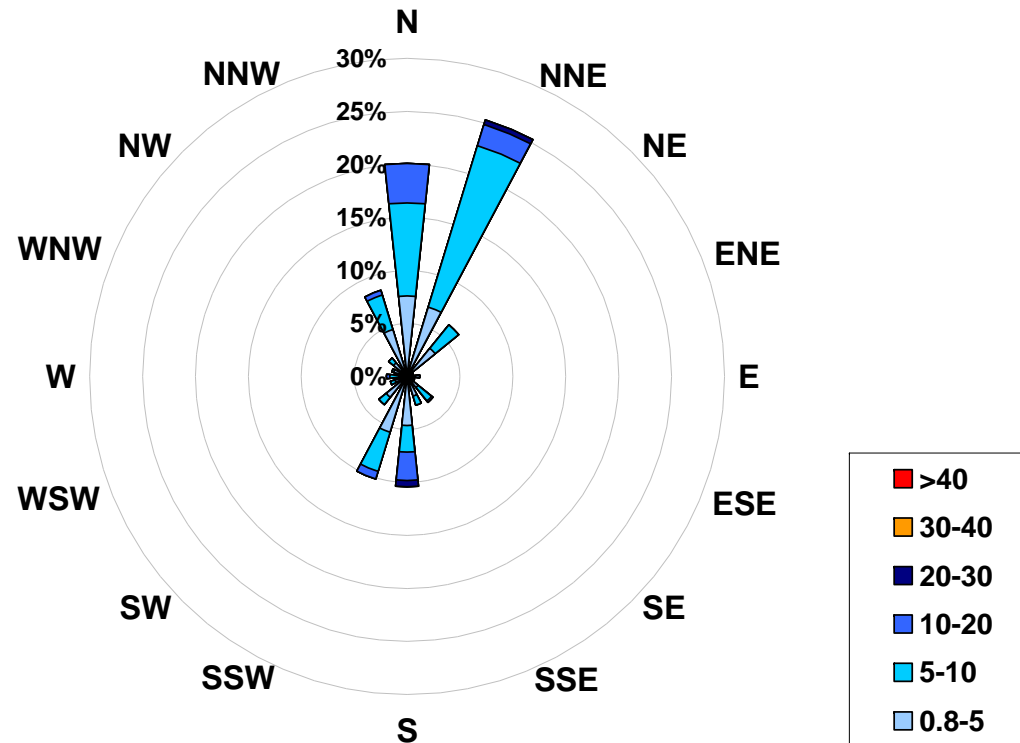
Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	63.6	45.3	17.5	10.4	7.5	4.5	3.2

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																							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-Feb-07	6	6	5	6	11	6	24	14	14	39	38	11	8	17	26	14	24	30	23	58	41	34	48	44	57.8
2-Feb-07	31	30	21	29	10	7	10	20	45	21	11	13	11	9	5	9	6	14	8	27	26	19	37	17	45.4
3-Feb-07	44	10	20	19	33	25	26	35	17	32	23	31	13	9	12	28	41	37	58	37	46	29	27	56	57.8
4-Feb-07	46	38	63	33	25	16	17	50	32	45	41	40	23	6	3	7	17	14	20	10	15	10	18	13	63.1
5-Feb-07	15	13	11	17	23	10	9	13	13	13	13	13	21	8	9	8	10	10	9	14	13	10	10	11	22.6
6-Feb-07	10	9	10	9	12	22	11	10	11	11	8	6	6	6	8	11	7	11	7	8	8	9	8	10	22.0
7-Feb-07	8	10	8	7	9	12	13	12	17	9	12	12	14	9	7	9	7	9	8	8	9	9	8	10	16.6
8-Feb-07	19	33	7	12	8	10	10	9	8	11	8	8	7	5	6	7	6	6	6	7	8	8	10	28	33.2
9-Feb-07	20	17	9	3	5	7	7	8	6	12	9	5	6	9	7	7	11	8	6	8	36	25	12	12	36.0
10-Feb-07	13	10	9	8	8	9	7	13	11	11	26	44	17	18	8	4	8	5	4	5	5	5	5	8	44.1
11-Feb-07	15	10	10	4	9	9	10	8	7	5	7	7	7	6	6	5	4	4	5	6	5	5	7	7	14.6
12-Feb-07	8	5	5	5	6	5	6	10	6	6	4	3	4	6	3	29	9	40	8	10	13	7	36	10	40.5
13-Feb-07	25	16	73	31	64	41	47	68	19	21	17	44	8	9	10	9	8	7	8	7	5	7	6	5	73.1
14-Feb-07	16	8	6	7	8	10	6	7	8	7	8	7	8	15	28	10	12	17	15	9	14	8	11	29	28.7
15-Feb-07	11	10	6	5	13	31	9	7	22	33	45	11	12	41	16	21	63	41	14	12	8	4	6	6	63.2
16-Feb-07	12	13	8	10	11	9	9	10	11	7	13	20	11	11	10	5	7	37	39	59	33	5	6	3	59.0
17-Feb-07	15	4	4	4	6	30	9	13	11	17	13	13	14	10	10	23	12	14	12	10	7	8	8	5	30.4
18-Feb-07	19	15	22	15	13	5	13	36	43	9	8	6	10	13	8	7	8	8	9	12	17	14	50	8	50.4
19-Feb-07	18	15	8	6	8	5	7	23	53	70	27	10	7	10	12	9	11	25	19	31	65	35	41	7	70.4
20-Feb-07	17	17	13	11	47	12	8	10	7	9	17	12	6	9	7	5	5	7	7	8	9	14	15	10	47.1
21-Feb-07	8	8	9	9	8	7	6	10	10	18	6	5	2	3	6	4	5	3	3	4	5	9	16	19	19.3
22-Feb-07	49	12	35	28	29	18	13	59	37	47	13	9	9	51	53	13	11	10	14	11	19	11	14	10	59.5
23-Feb-07	18	10	12	22	21	11	11	10	14	10	12	41	57	29	9	5	9	10	29	48	50	27	62	20	62.2
24-Feb-07	16	9	24	10	13	16	33	40	36	47	47	13	9	4	12	24	14	6	6	9	33	37	11	10	46.7
25-Feb-07	10	4	4	16	8	40	30	25	37	9	8	7	8	3	6	4	3	6	6	16	5	10	13	16	39.8
26-Feb-07	14	6	6	5	8	36	13	12	25	27	20	39	65	41	13	13	11	9	8	13	11	20	11	23	64.6
27-Feb-07	5	14	8	8	12	8	11	34	11	16	13	28	12	15	20	8	6	5	6	4	5	7	68	52	67.8
28-Feb-07	33	12	13	11	13	7	9	15	8	9	10	9	7	9	3	5	8	2	3	4	6	8	8	21	33.2

Hourly Max	49	38	73	33	64	41	47	68	53	70	47	44	65	51	53	29	63	41	58	59	65	37	68	56
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1-hr Average Wind Rose (in km/hr) Located at the Valleyview Site for February 2007



Calms: 0%

Frequency Distribution of Wind in km/hr Range			Frequency (hrs)
0.8	<	5	307
5	to	10	289
10	to	20	68
20	to	30	7
30	to	40	0
	>	40	0
Total Non-Zero Values			671

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for February 2007

PASZA					
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
Duplicates					
11a	Webber Creek	1.5	44.7	2.8	
11b	Webber Creek	1.5	43.5	3.0	
17a	Poplar	1.3	39.9	3.0	
17b	Poplar	1.3	44.0	3.2	
18a	Saddle Hills	1.1	41.6	1.9	
18b	Saddle Hills	1.2	45.8	1.9	
49a	Grande Prairie HP	1.3	31.6	11.8	
49b	Grande Prairie HP	1.2	33.2	11.8	
1	Silver Valley	1.3	40.0	2.0	08-27-081-11 W6M
2	Bay Tree	0.9	42.9	1.8	13-16-078-13 W6M
3	Forth Creek	0.8	45.4	1.4	04-13-082-07 W6M
4	Gordondale	1.2	44.9	2.0	04-34-078-10 W6M
5	Boone Creek	0.9	43.6	2.2	01-23-076-11 W6M
7	Steepprock Creek	1.0	43.3	2.1	09-35-072-13 W6M
9	Spirit River	0.9	41.8	2.0	08-12-079-07 W6M
10	Woking	1.0	40.7	1.6	01-13-076-07 W6M
11	Webber Creek	1.5	44.1	2.9	09-36-074-09 W6M
12	Hythe	1.2	42.5	3.4	14-36-072-11 W6M
14	Sylvester	0.5	39.2	2.9	08-06-069-12 W6M
16	Beaverlodge	1.3	42.5	4.7	15-36-071-10 W6M
17	Poplar	1.3	42.0	3.1	13-06-073-08 W6M
18	Saddle Hills	1.2	43.7	1.9	04-25-074-07 W6M
19	Wanham	1.0	47.4	1.4	16-22-077-03 W6M
20	Shaftesbury	0.7	37.2	1.9	04-03-082-23 W5M

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

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
21	Eaglesham	0.8	45.9	1.4	16-21-079-25 W5M
23	Bear Lake	1.5	47.2	3.3	15-31-072-06 W6M
24	Wembley	1.0	44.8	4.3	12-31-070-08 W6M
25	Pinto Creek	0.6	42.3	3.0	04-24-069-11 W6M
26	Flyingshot	0.9	36.7	5.7	15-36-070-07 W6M
27	Grande Prairie I	1.0	34.4	12.7	08-15-071-06 W6M
28	Clairmont Lake	1.6	47.2	2.6	09-06-073-04 W6M
29	Smoky Heights	1.0	42.7	2.3	04-06-075-02 W6M
30	Fitzsimmons	0.8	41.1	2.7	15-36-072-03 W6M
32	Gold Creek	0.6	28.3	5.4	06-33-067-05 W6M
33	Wapiti	0.9	42.5	3.3	02-25-071-03 W6M
34	Puskwaskau	0.6	43.0	1.1	15-35-074-25 W5M
35	Jean Cote	0.9	50.8	1.5	12-35-079-21 W5M
36	Guy	0.8	43.2	1.6	03-04-076-22 W5M
37	Crooked Creek	1.0	46.0	3.2	16-01-071-26 W5M
38	Karr Creek	0.6	33.6	2.4	10-16-065-02 W6M
39	Clouston Creek	0.8	45.6	1.6	12-01-073-22 W5M
40	McLennan	0.9	48.0	1.6	03-29-077-19 W5M
41	Valleyview	1.5	45.5	3.9	09-30-069-22 W5M
42	Sunset House	1.1	48.3	1.2	05-32-070-19 W5M
43	High Prairie	1.0	47.2	2.9	16-13-074-17 W5M
44	Peavine	0.7	45.0	1.0	03-05-079-15 W5M
45	Gift Lake	0.7	39.6	2.4	10-07-079-12 W5M
46	Little Smoky	1.3	34.5	5.8	12-01-065-21 W5M
47	Kinuso	0.7	37.6	2.7	12-10-073-10 W5M
48	Deer Mountain	0.8	43.0	1.4	15-22-068-09 W5M
49	Grande Prairie HP	1.3	32.4	11.8	17-26-071-06 W6M

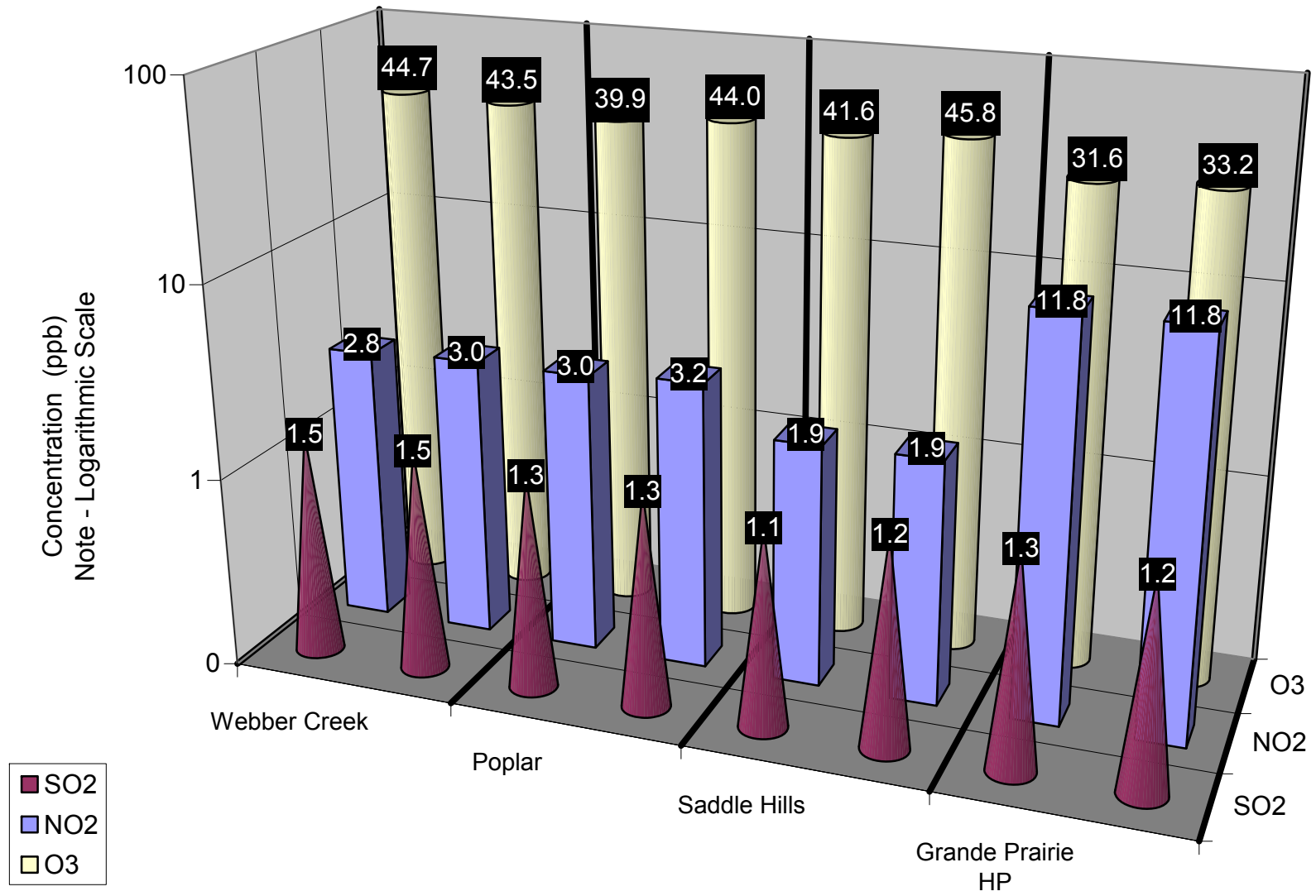


Figure 60. Duplicate Summary Chart

Table 2. Passive Summary Results for February 2007

Stats	Sulphur Dioxide SO ₂	Ozone O ₃	Nitrogen Dioxide NO ₂
	ppb	ppb	ppb
Passive Summary for February 2007 (PASZA Zone)			
Mean	1.0	42.3	3.0
Standard Deviation	0.3	4.7	2.4
Minimum	0.5	28.3	1.0
	Sylvester (#14)	Gold Creek (#32)	Peavine (#44)
Maximum	1.6	50.8	12.7
	Clairmont Lake (#28)	Jean Cote (#35)	Grande Prairie I (#27)
Comparison between Continuous and Passive monitoring at Beaverlodge (passive #16 Beaverlodge)			
	SO ₂	O ₃	NO ₂
AENV Beaverlodge station	1.5	24.5	8.7
PASZA Beaverlodge passive	1.3	42.5	4.7
Comparison between Continuous and Passive monitoring at Henry Pirker (passive #49 Grande Prairie HP)			
	SO ₂	O ₃	NO ₂
PASZA Henry Pirker station	1.2	16.7	17.8
PASZA Grande Prairie passive	1.3	32.4	11.8

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

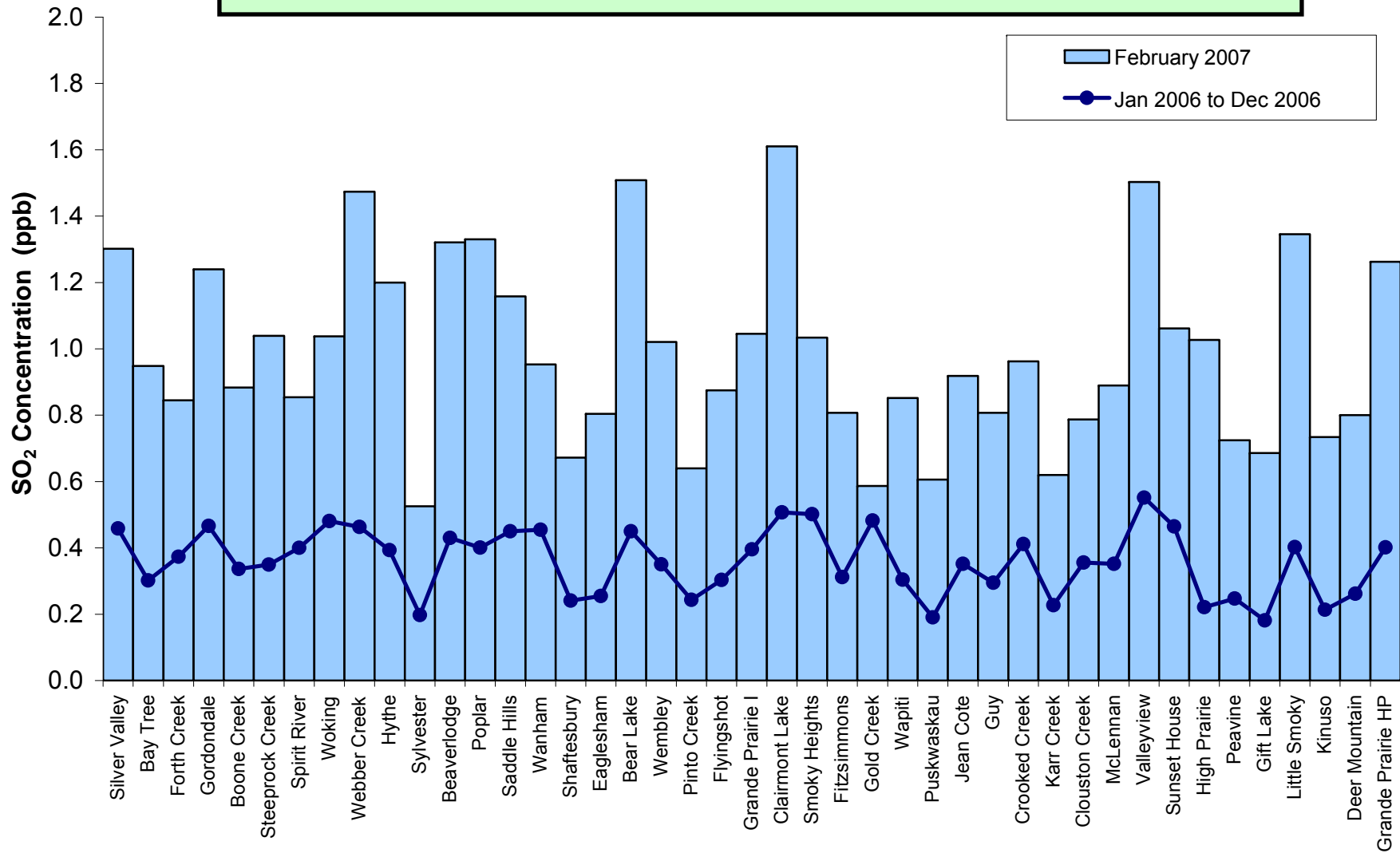


Figure 62. SO₂ Summary Chart

Alberta Ambient Air Quality Objective - No Annual O₃ Objective

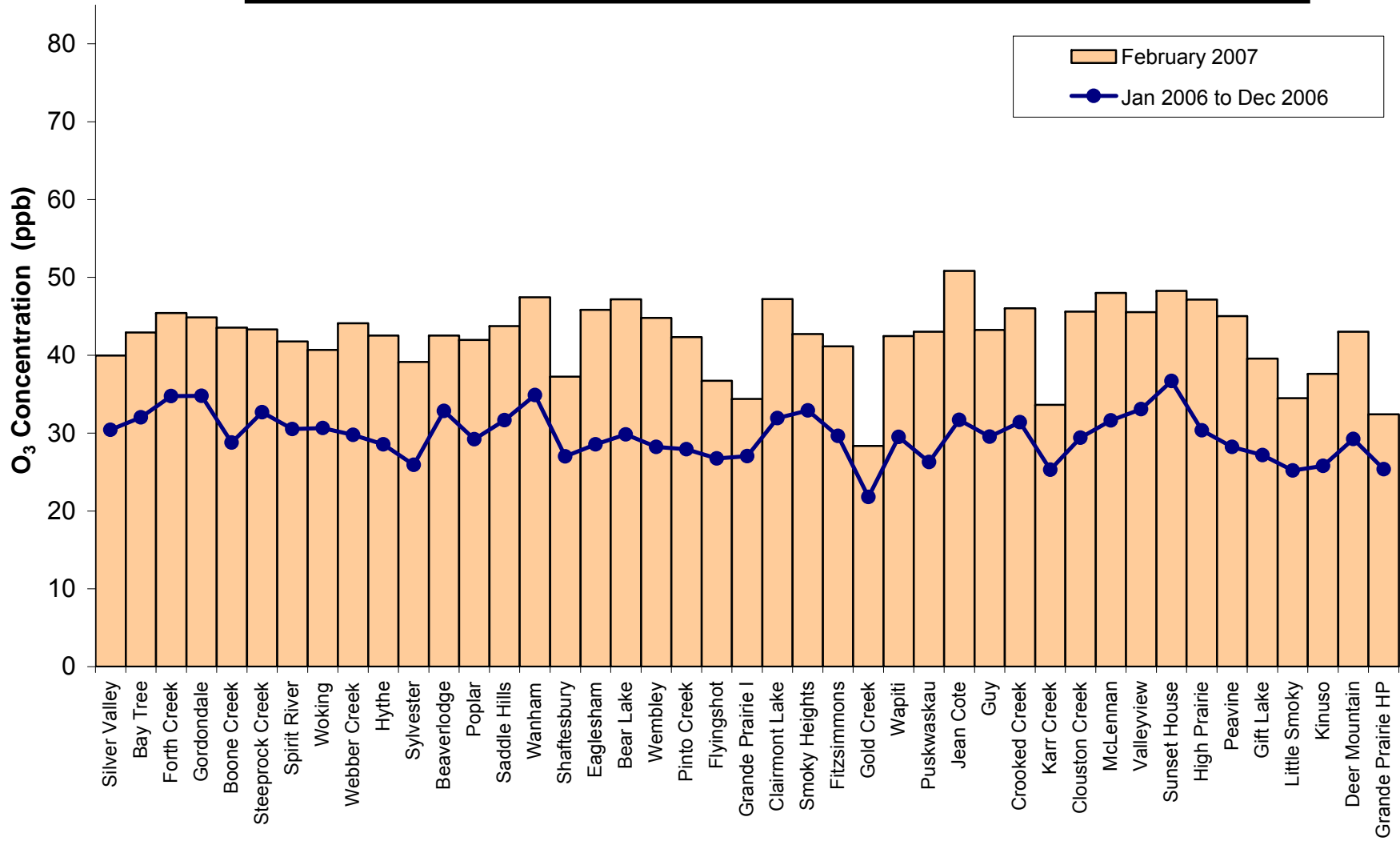


Figure 64. O₃ Summary Chart

PASZA Passive NO₂ Stations - February 2007
Average Concentrations in ppb

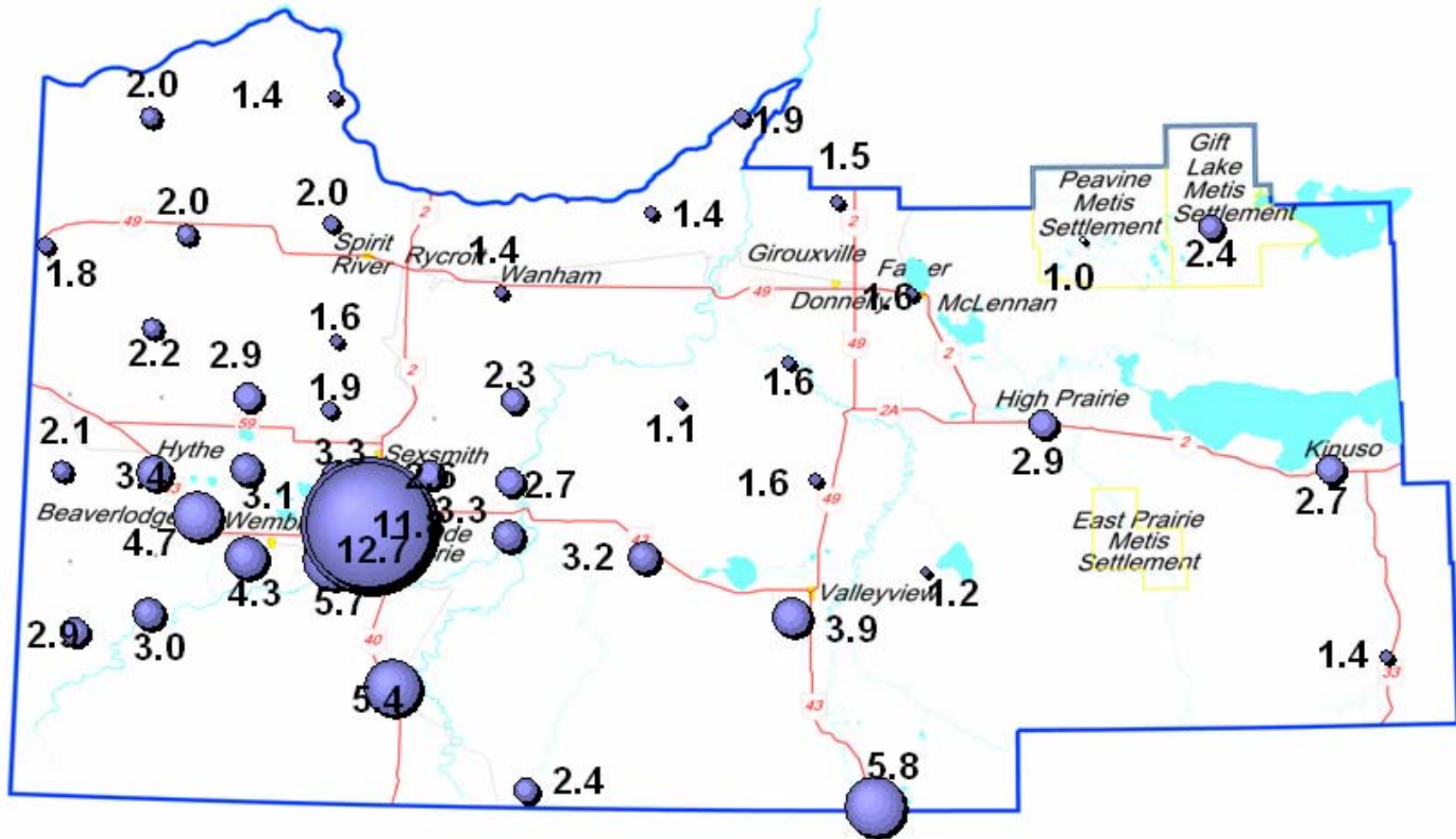


Figure 65. NO₂ Bubble Chart

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

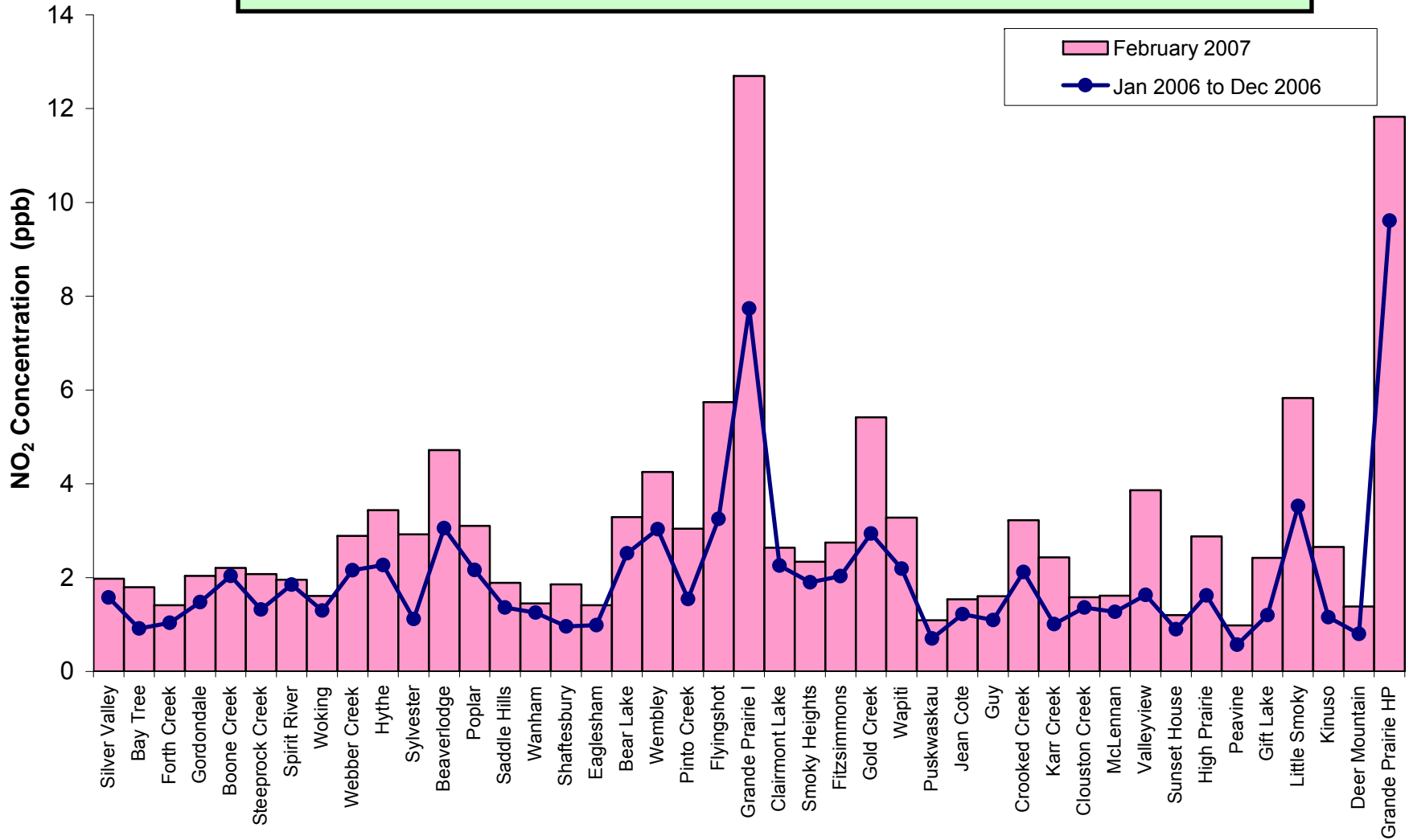


Figure 66. NO₂ Summary Chart

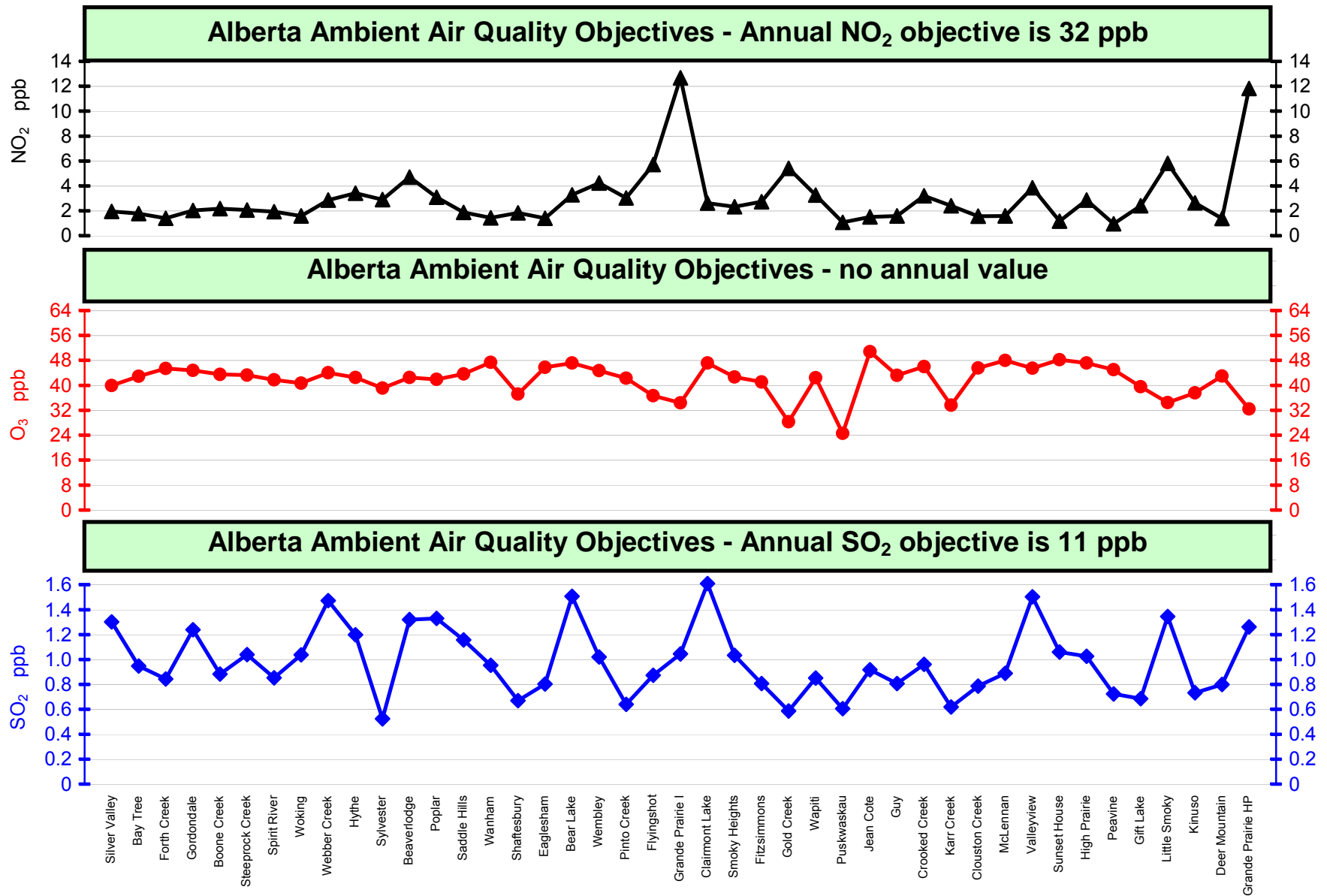


Figure 67. Overview Summary

February 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

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	February 8, 2007	Previous Calibration	January 4 and 5, 2007
Station Number	1	Station Location	Muskoseepi Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	12:05	End Time (MST)	15:28
Barometric Pressure	28.1 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	0.954178	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	4
	<u>Before</u>		<u>After</u>
Calculated slope	0.997279	Calculated slope	0.975222
Calculated intercept	-0.530546	Calculated intercept	1.338337
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	125		125	
UV Lamp voltage	953	V	955	V
Vacuum	22	" Hg	22.8	" Hg
Sample Flow	425	ccm	430	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	2385.4	0.0	-0.1	N/A
2500	2385.4	311.4	318.7	0.9771
5000	4770.9	155.7	157.2	0.9904
9800	9350.9	79.4	79.2	1.0035
zero	2576.3	0.0	-0.1	As Found Zero
2700	2576.3	288.3	301.2	As Found Span
Average Correction Factor				0.9903

Calculated value of As Found Response: 299.957 ppm Percent Change of As Found: -4.0%

	before calibration		after calibration	
Auto zero	-0.9	ppm	1.1	ppm
Auto span	277.8	ppm	265.0	ppm

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

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

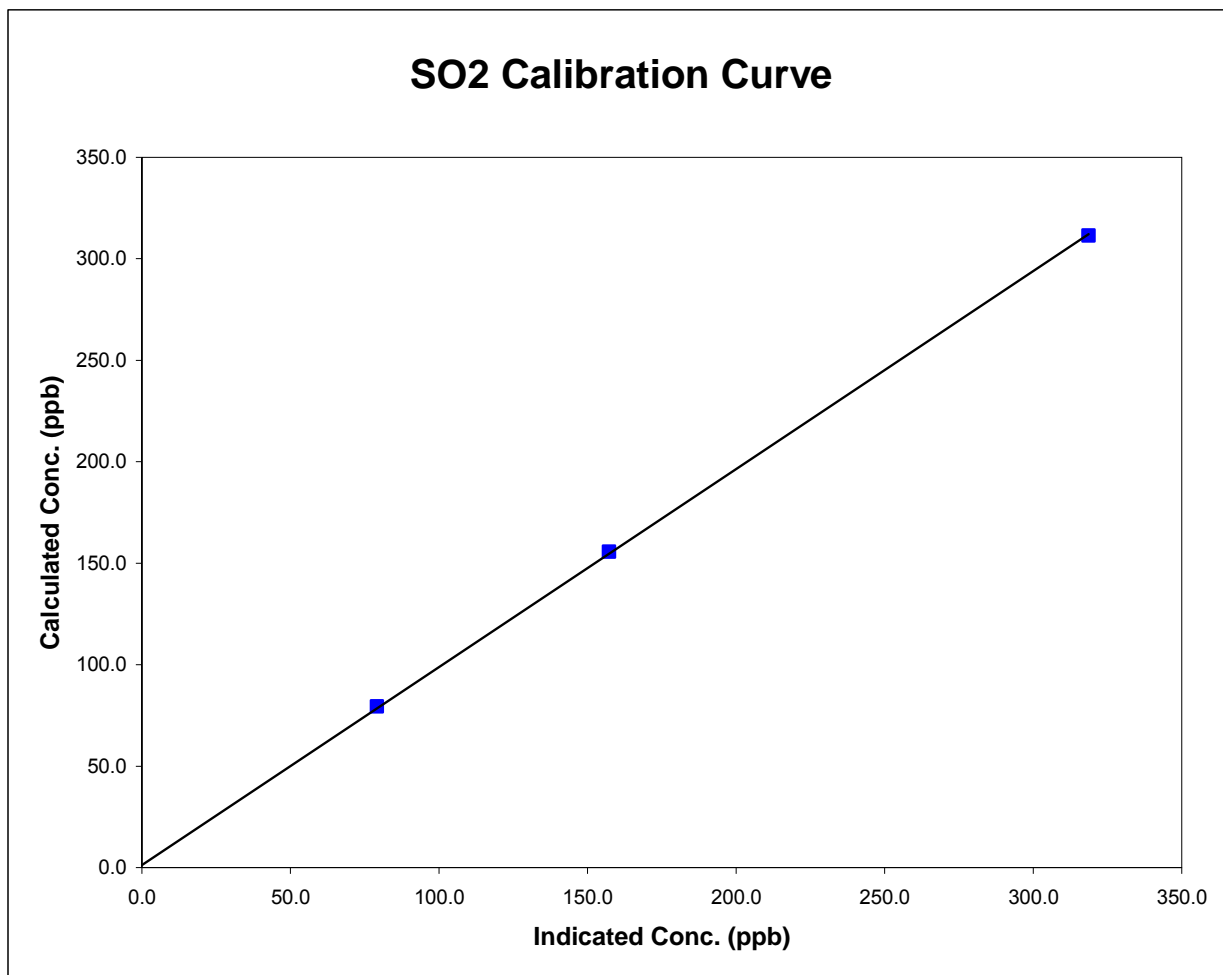


Station Information

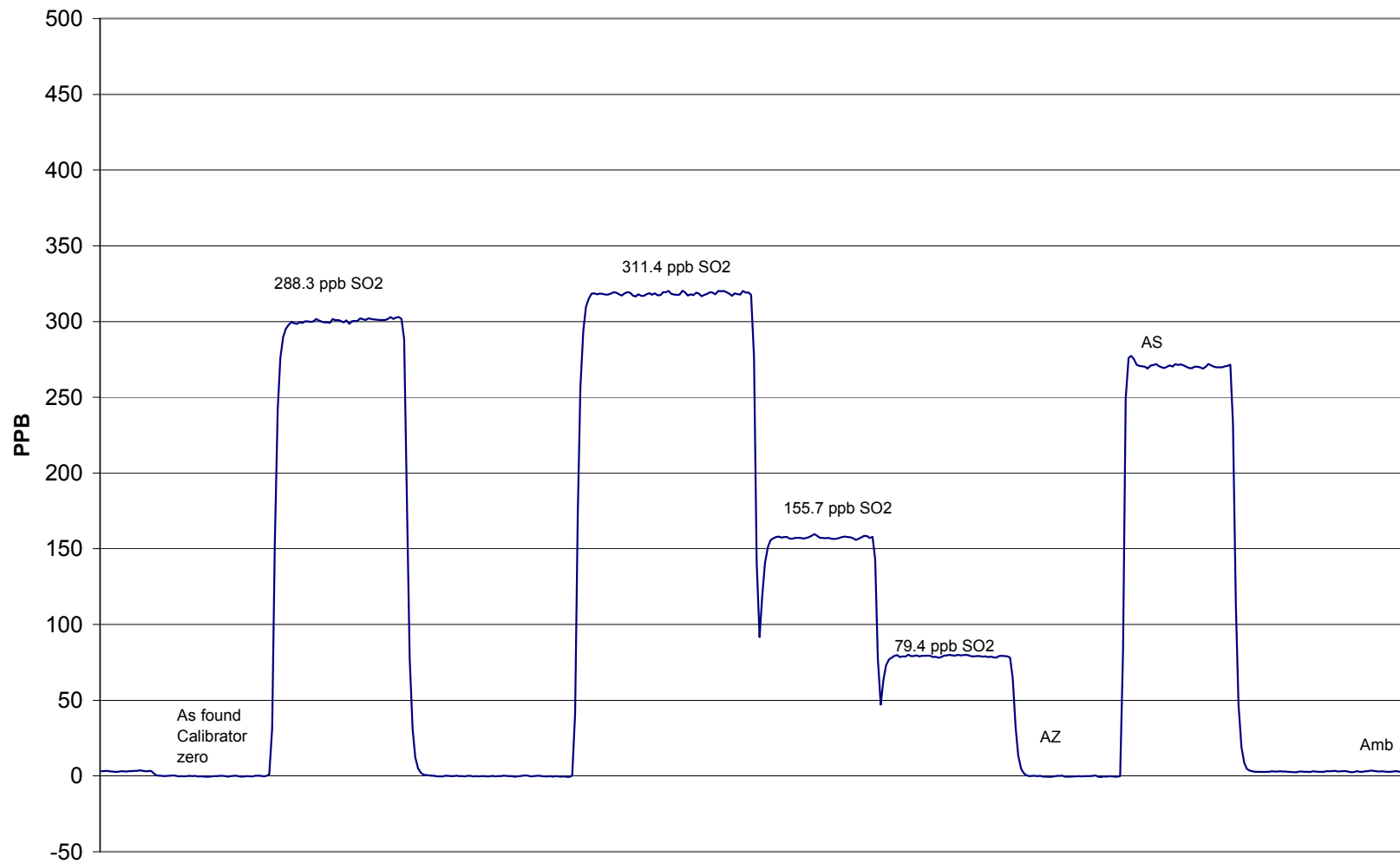
Calibration Date	February 8, 2007	Previous Calibration	January 4 and 5, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	12:05	End Time (MST)	15:28
Analyzer make/model	TEI Model 43A	Analyzer serial #	43A-21120-195

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
311.4	318.7	0.9771	Correlation Coefficient	0.999926
155.7	157.2	0.9904		
79.4	79.2	1.0035	Slope	0.975222
			Intercept	1.338337



SO2 Calibration



February 8, 2007

Calibration Report

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

**Station Information**

Calibration Date	<u>February 7, 2007</u>	Previous Calibration	<u>January 8, 2007</u>
Station Number	<u>1</u>	Station Location	<u>Muskoseepi Park</u>

Reason: Routine Installation Removal Other: _____

Start Time (MST)	<u>11:42</u>	End Time (MST)	<u>16:05</u>
Barometric Pressure	<u>0.929</u> Atm	Station Temperature	<u>20.0</u> Deg C
Calibrator	<u>EnviroNics 6103</u>	Serial Number	<u>2844</u>
NO Cal Gas Conc	<u>49.5</u> ppm	Cal Gas Expiry Date	<u>2-Jan-09</u>
NOx Cal Gas Conc	<u>49.6</u> ppm	Cal Gas Serial #	<u>FF-5013</u>

DACS Information

DACS make FOCUS AP1000 DACS serial No. 45269

Parameter		NO2	NOx	NO
Before	Data Slope	1.000076	0.995650	0.990247
	Data Offset	0.129407	-1.983509	-2.123319
After	Data Slope	1.001010	1.001452	1.002627
	Data Offset	-0.624189	-2.379609	-1.932549
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42C Analyzer serial # 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	8.9	ppb	8.9	mV
NOx background	8.9	ppb	9.0	mV
NO coefficient	0.818		0.816	
NOx coefficient	0.979		0.995	
Chamber Temp	50.0	Deg C	49.7	Deg C
Cooler Temp	-2.4	Deg C	-2.4	Deg C
Converter Temp	318.0	Deg C	318.0	Deg C
Vacuum	185.6	mm Hg	195.0	mm Hg

Notes: Adjusted span.

Calibration Report

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



Station Information

Calibration Date: February 7, 2007 Station Location: Muskoseepi Park

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	0.0	0.1	N/A	N/A	
1	4992	39.93	393.6	392.8	0.8	394.0	392.4	1.5	0.9990	1.0010	
2	4992	19.91	197.0	196.7	0.4	201.0	199.9	1.0	0.9806	0.9837	
3	4992	10.00	99.2	99.0	0.2	103.3	102.0	1.2	0.9598	0.9698	
AFZ	4992	0.00	0.0	0.0	0.0	0.1	0.0	0.1	0.0000	0.0000	
AFS	4992	39.93	393.6	392.8	0.8	392.6	398.2	-5.8	1.0025	0.9864	
									Average Correction Factor	0.9798	0.9849

As Found Concentrations: NO_x= 390.6 NO= 396.1 As Found Percent Change NO_x= -0.8% NO= 0.8%

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

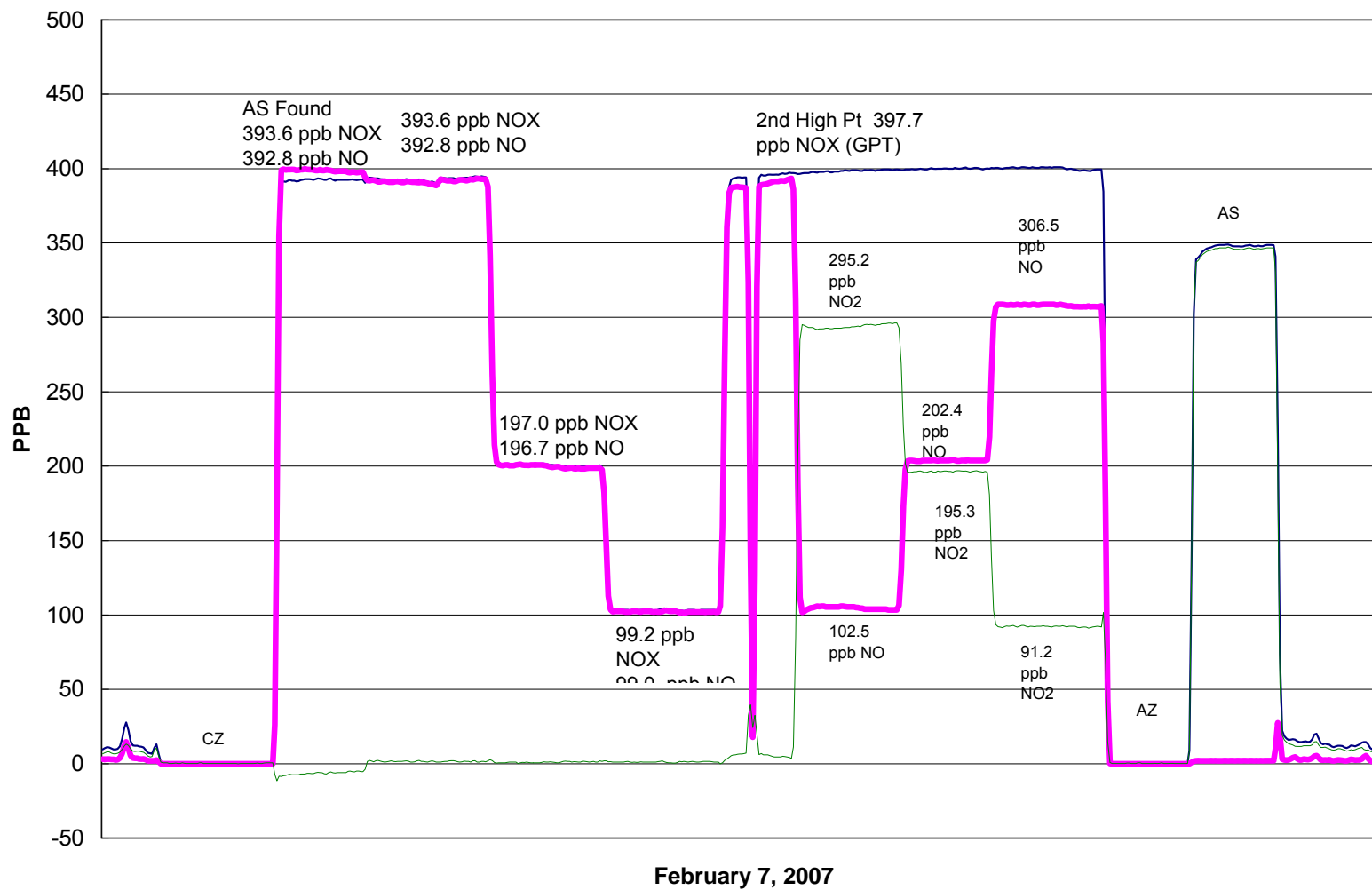
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	397.8	390.4	7.3	396.2	391.4	4.9	1.0038	0.9977	N/A	N/A	
350	397.8	102.5	295.2	399.0	104.2	295.0	0.9969	0.9841	1.0009	99.9%	
200	397.8	202.4	195.3	400.1	203.8	196.5	0.9941	0.9931	0.9941	100.6%	
100	397.8	306.5	91.2	399.6	307.7	92.1	0.9955	0.9963	0.9902	101.0%	
							Average Correction Factor	0.9955	0.9912	0.9951	100.5%

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	0.9	1.0	1.0	ppb
Auto span	351.7	353.3	-0.1	ppb	346.2	345.9	0.1	ppb

Calibration Performed By: Dawn Ewan

NOx Calibration



Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

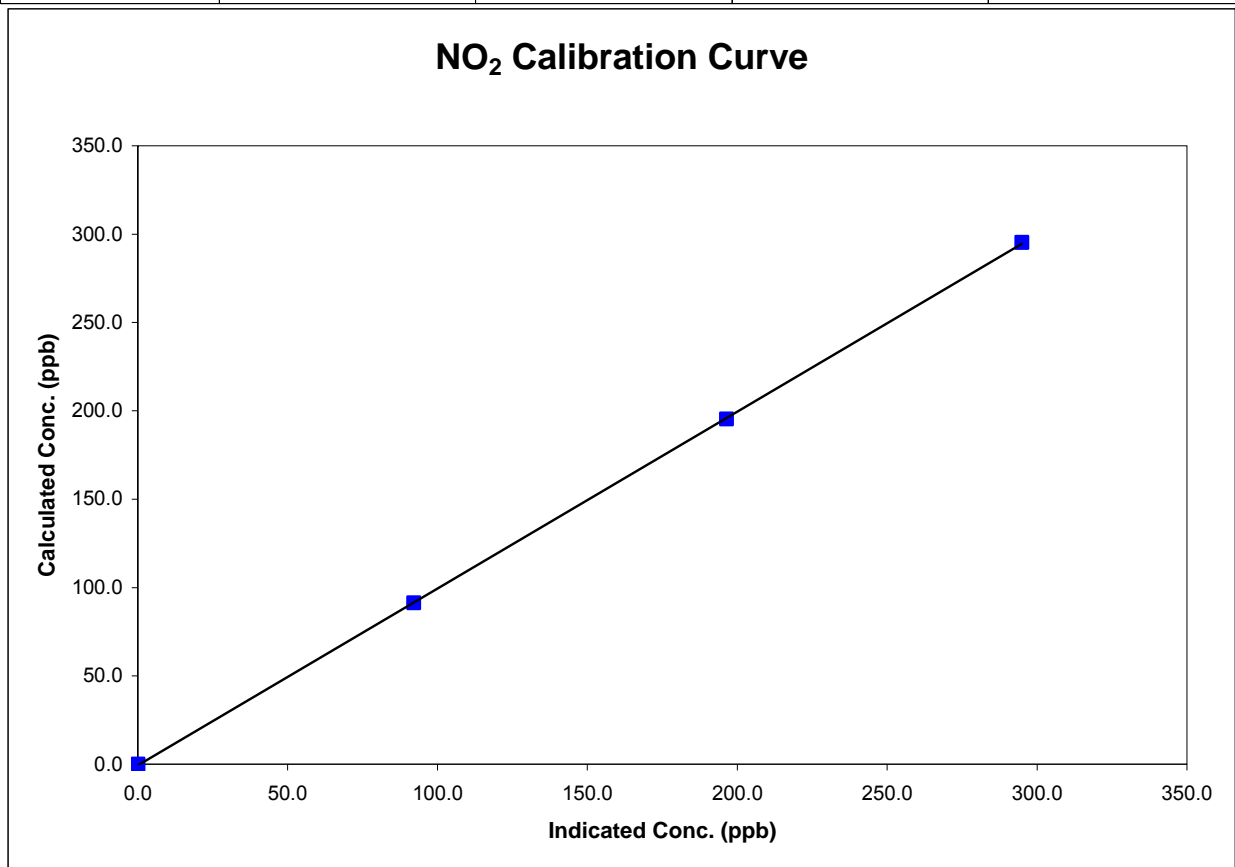


Station Information

Calibration Date	February 7, 2007	Previous Calibration	January 8, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:42	End Time (MST)	16:05
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000	Correlation Coefficient	0.999974
295.2	295.0	1.0009		
195.3	196.5	0.9941	Slope	1.001010
91.2	92.1	0.9902		
			Intercept	-0.624189



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

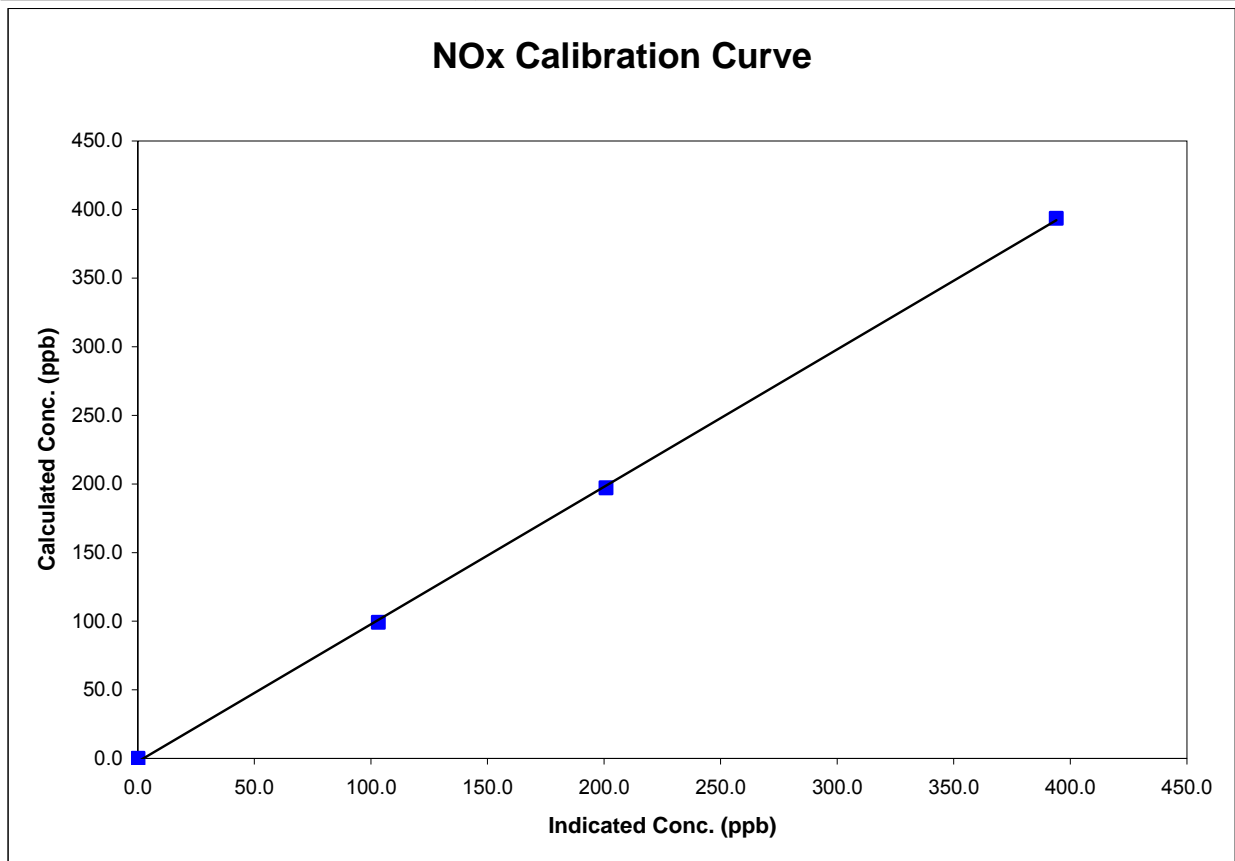


Station Information

Calibration Date	February 7, 2007	Previous Calibration	January 8, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:42	End Time (MST)	16:05
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000	Correlation Coefficient	0.999830
393.6	394.0	0.9990		
197.0	201.0	0.9806	Slope	1.001452
99.2	103.3	0.9598		
			Intercept	-2.379609



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

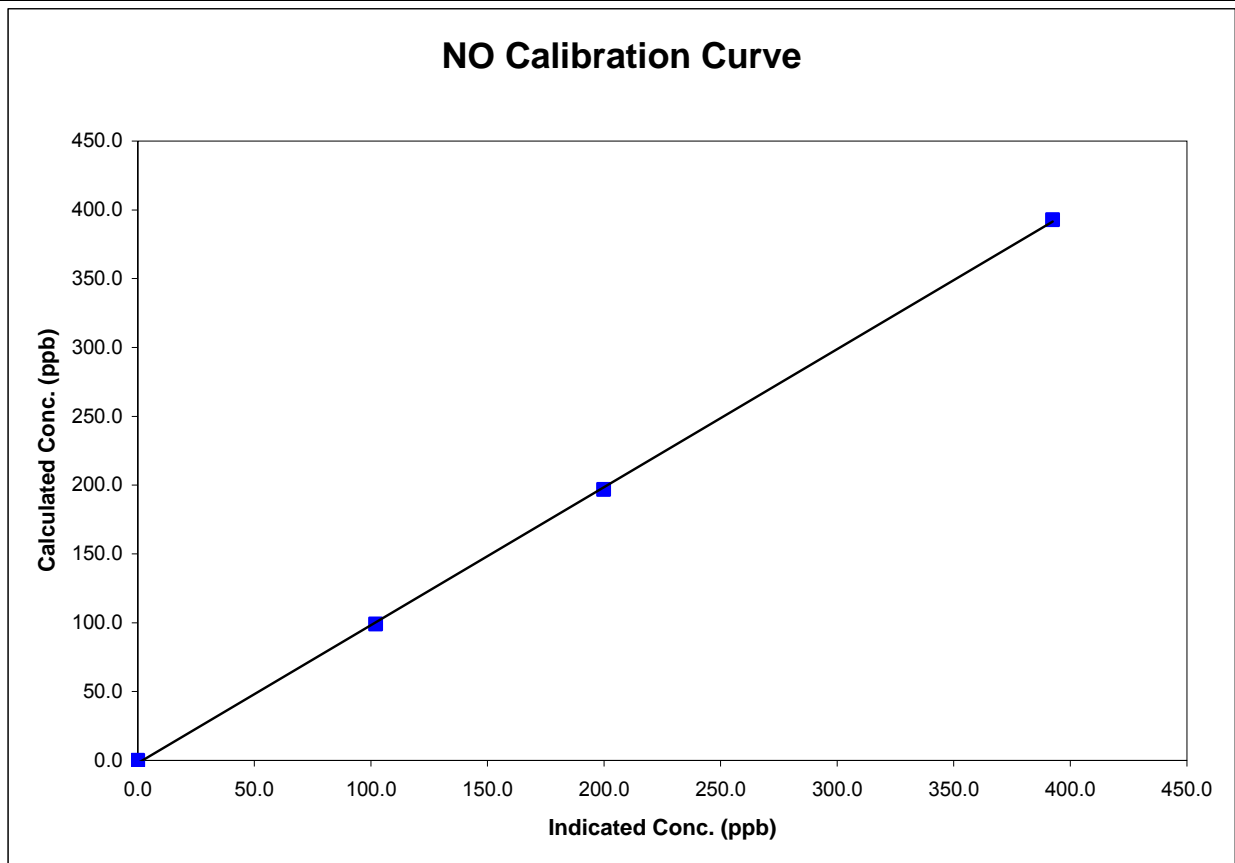


Station Information

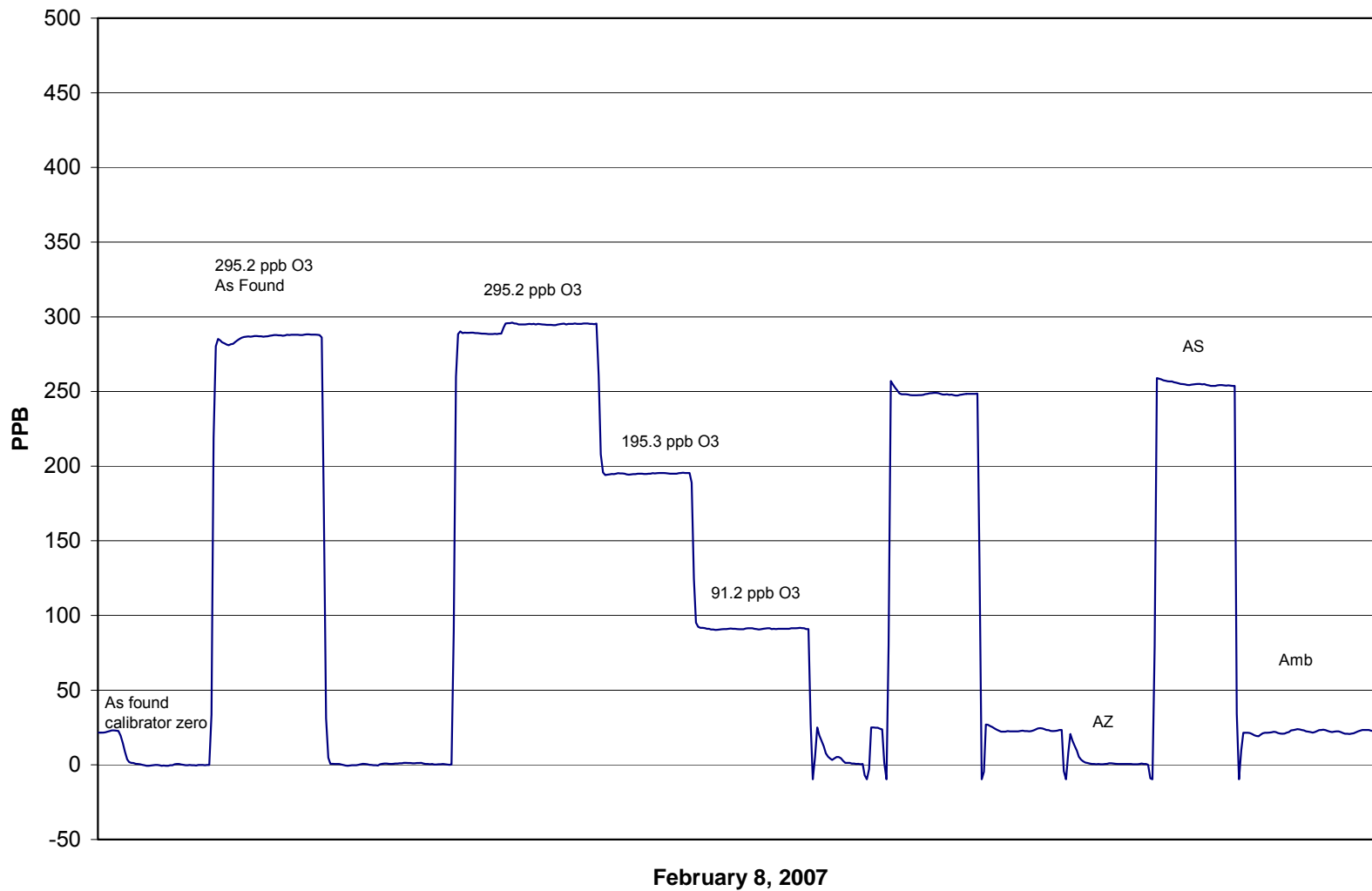
Calibration Date	February 7, 2007	Previous Calibration	January 8, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:42	End Time (MST)	16:05
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A	Correlation Coefficient	0.999870
392.8	392.4	1.0010		
196.7	199.9	0.9837	Slope	1.002627
99.0	102.0	0.9698		
			Intercept	-1.932549



O3 Calibration



Calibration Report

Parameter CO Air Monitoring Network PASZA

Station Information

Calibration Date	February 6, 2007	Previous Calibration	January 5, 2007
Station Number	1	Station Location	Muskoseepi Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
		<input type="checkbox"/> Other:	

Start Time (MST)	11:24	End Time (MST)	14:44
Barometric Pressure	0.935 ATM	Station Temperature	20.0 Deg C
Calibrator	Enviroconics 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
	<u>Before</u>		<u>After</u>

Calculated slope	1.013926	Calculated slope	1.010032
Calculated intercept	-0.246464	Calculated intercept	-0.085300

Analyzer make	TEI Model 48C	Analyzer serial #	508011062
---------------	---------------	-------------------	-----------

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.047		1.055	
CO zero setting	8.302		8.881	
Sample pressure	700	mm Hg	708.6	mm Hg
Sample Flow	1.1	LPM	1.114	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	23.63	1.0074
4994	19.91	11.91	11.89	1.0018
4994	10.00	6.00	6.08	0.9854
4994	0.00	0.00	0.48	As Found Zero
4994	39.94	23.80	24.37	As Found Span
Average Correction Factor				0.9982

Calculated value of As Found Response: 23.974 ppm Percent Change of As Found: -0.7%

	before calibration		after calibration	
Auto zero	-0.14	ppm	-0.11	ppm
Auto span	20.79	ppm	21.45	ppm

Notes: Adjusted zero and span.

_____Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter CO
 Air Monitoring Network PASZA

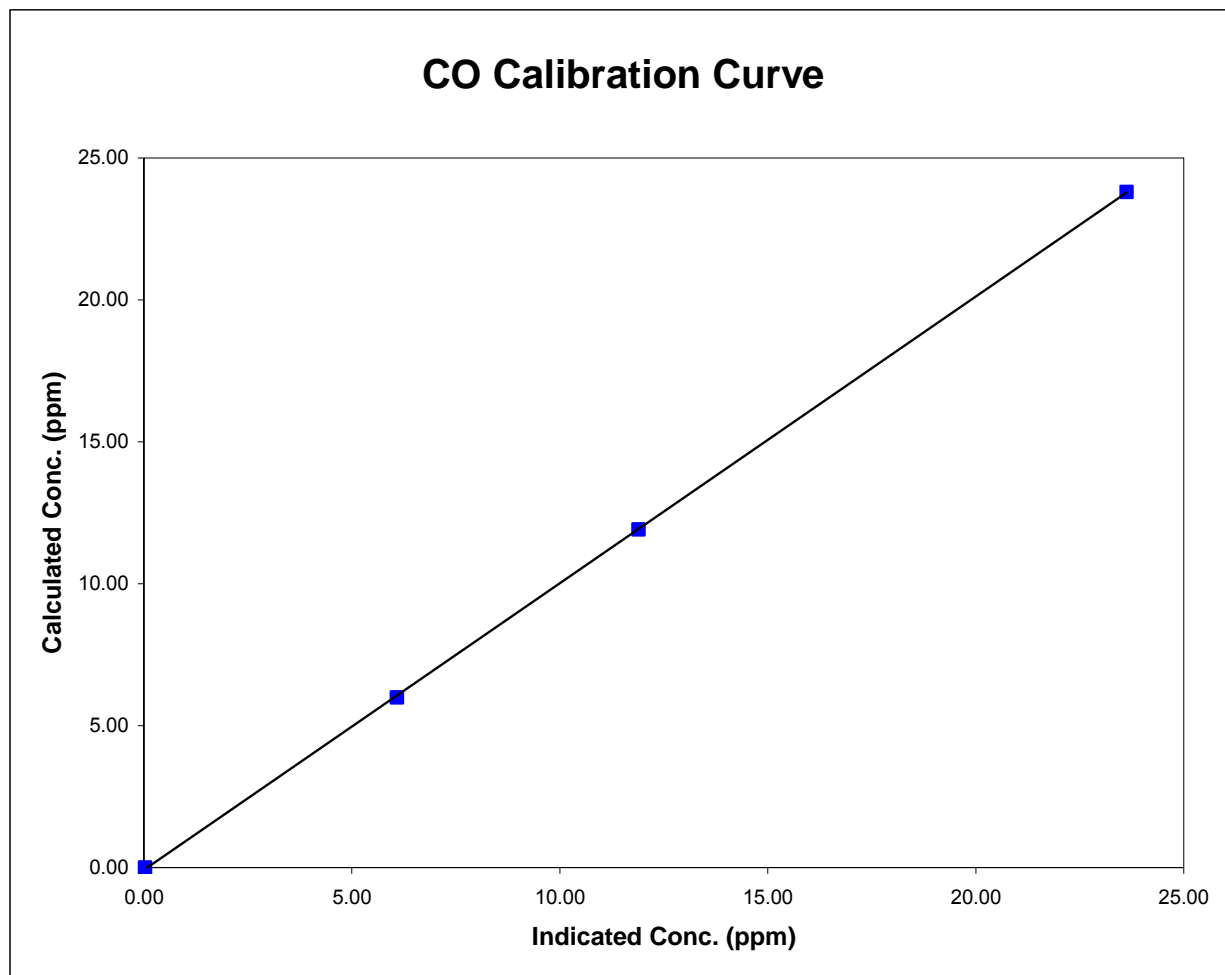


Station Information

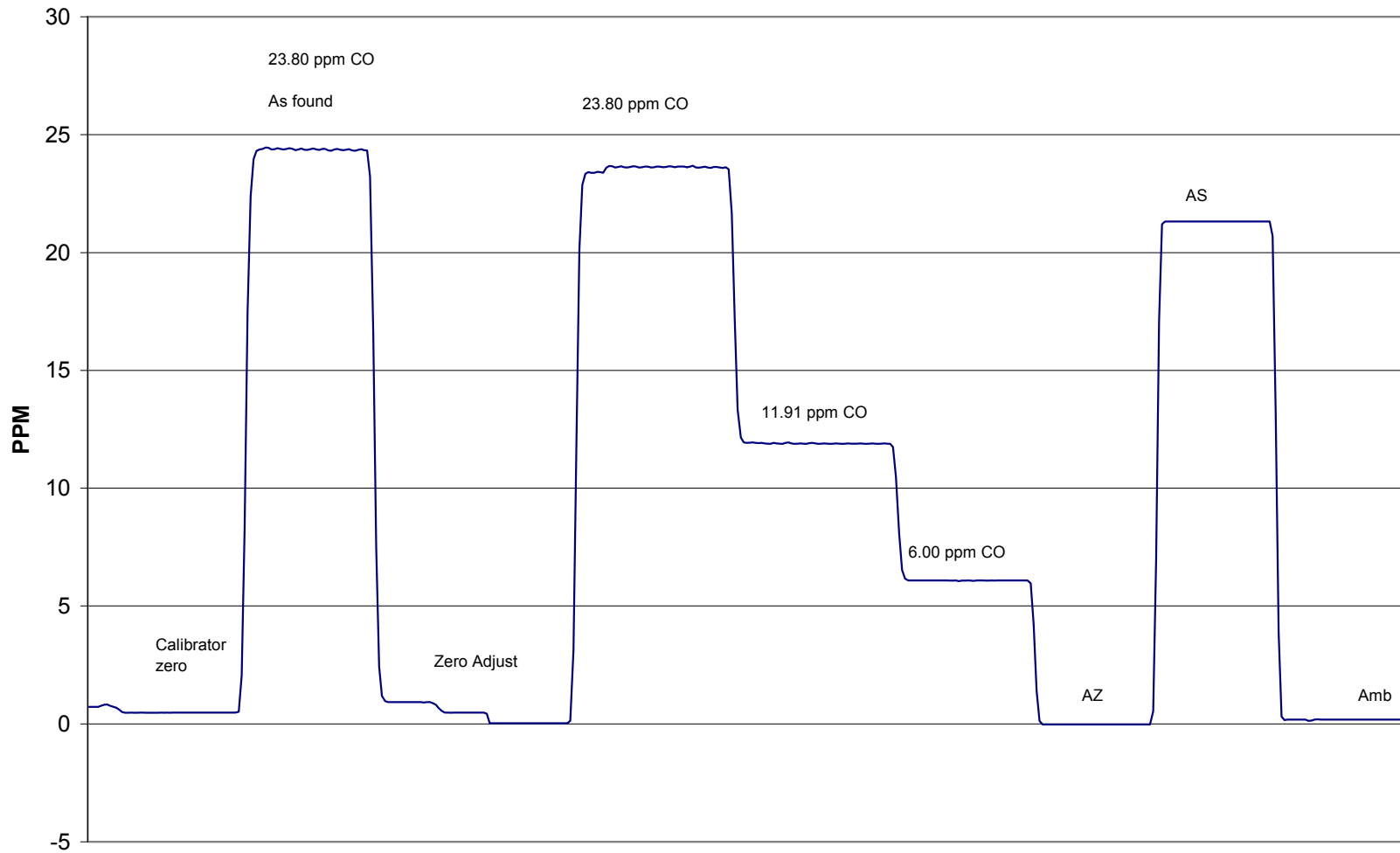
Calibration Date	February 6, 2007	Previous Calibration	January 5, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	11:24	End Time (MST)	14:44
Analyzer make/model	TEI Model 48C	Analyzer serial #	508011062

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.031	N/A		
23.802	23.628	1.0074	Correlation Coefficient	0.999975
11.913	11.891	1.0018		
5.995	6.084	0.9854	Slope	1.010032
			Intercept	-0.085300



CO Calibration



February 6, 2007

Calibration Report

Parameter THC
 Air Monitoring Network PASZA

**Station Information**

Calibration Date	February 6, 2007	Previous Calibration	January 4, 2007
Station Number	1	Station Location	Muskoseepi Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	14:04	End Time (MST)	16:22
Barometric Pressure	0.935 ATM	Station Temperature	20.0 Deg C
Calibrator	Envionics 6103	Serial Number	2977
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	<u>Before</u>		<u>After</u>
Calculated slope	1.001476	Calculated slope	1.009817
Calculated intercept	-0.018571	Calculated intercept	-0.183668
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	6786	capture	7230	capture
THC zero counts	1149	capture	488	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	0.16	N/A
4992	64.92	19.54	19.57	0.9987
4992	39.95	12.08	12.08	1.0004
4993	9.95	3.03	3.23	0.9366
4992	0.00	0.00	0.16	As Found Zero
4992	64.92	19.54	20.91	As Found Span
Average Correction Factor				0.9786

Calculated value of As Found Response: 20.754 ppm Percent Change of As Found: -6.2%

	before calibration		after calibration	
Auto zero	-2.22	ppm	-0.03	ppm
Auto span	23.17	ppm	21.82	ppm

Notes: Adjusted span.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter THC
 Air Monitoring Network PASZA

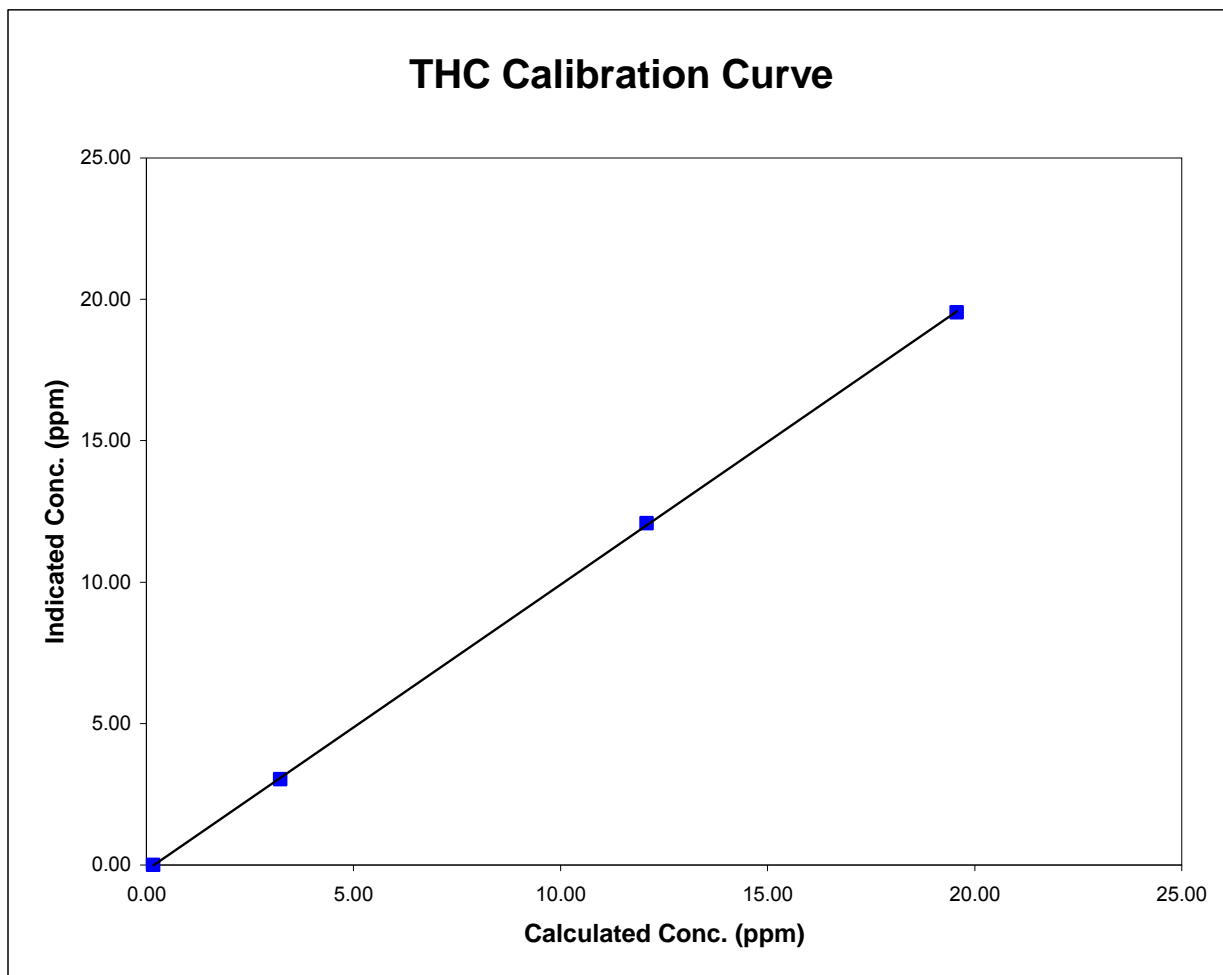


Station Information

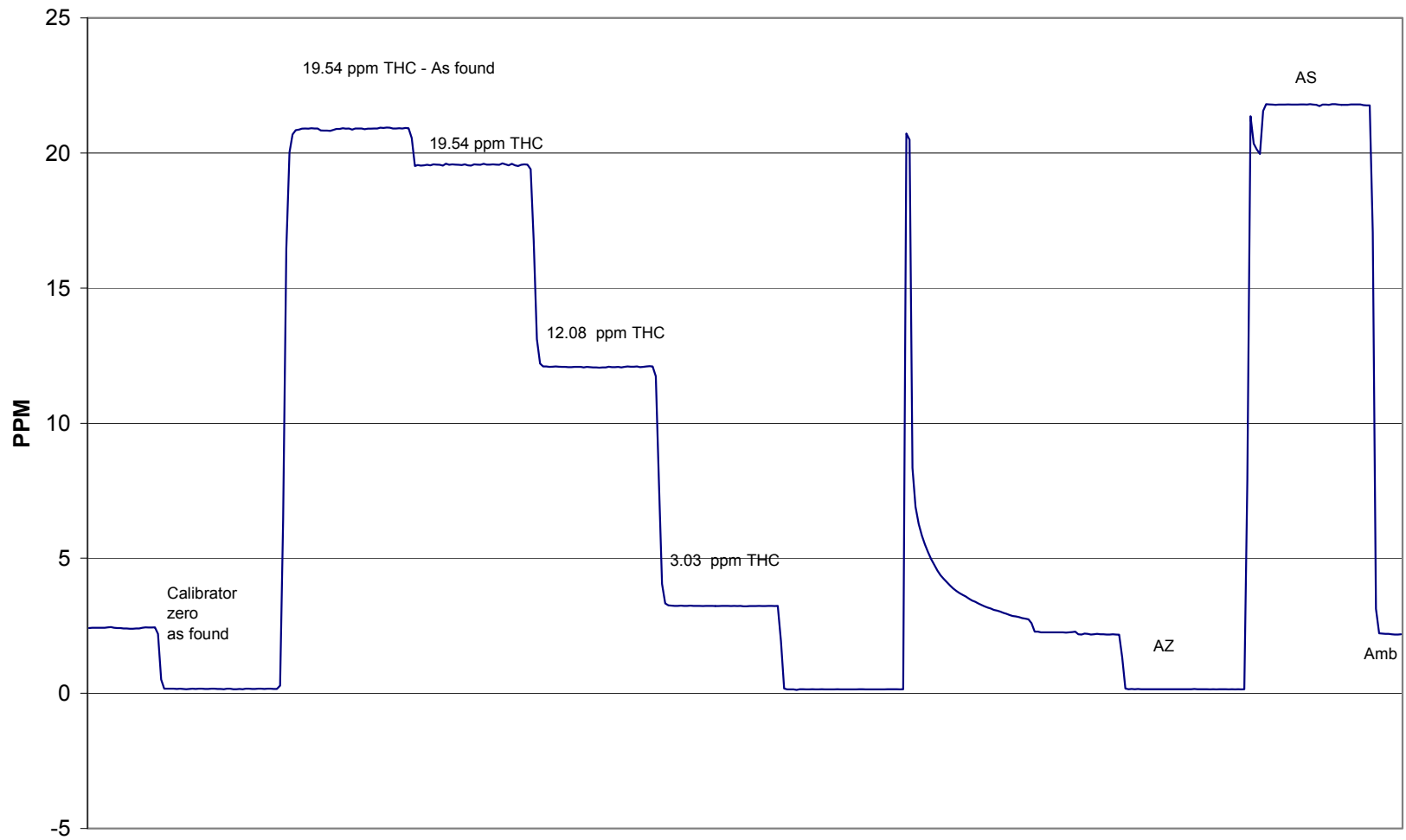
Calibration Date	February 6, 2007	Previous Calibration	January 4, 2007
Station Number	1	Station Location	Muskoseepi Park
Start Time (MST)	14:04	End Time (MST)	16:22
Analyzer make/model	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.164	N/A		
19.542	19.568	0.9987	Correlation Coefficient	0.999961
12.084	12.079	1.0004		
3.027	3.232	0.9366	Slope	1.009817
			Intercept	-0.183668

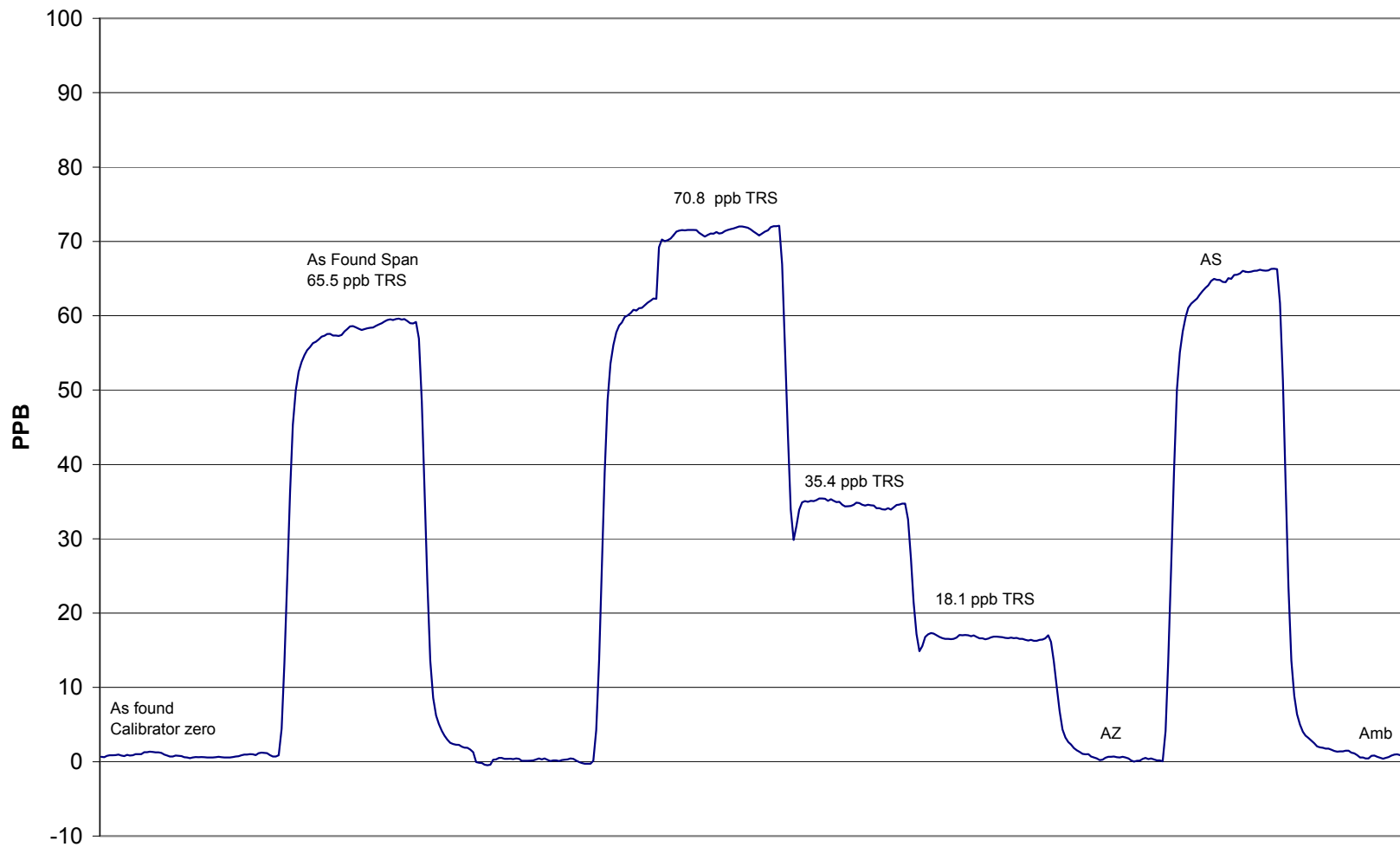


THC Calibration



February 6, 2007

TRS Calibration



February 8, 2007

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

Calibration Date	February 8, 2007	Previous Calibration	December 18, 2006
Station Number	1	Station Location	Muskoseepi Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="text"/>
Start Time (MST)	13:45	End Time (MST)	
Barometric Pressure	0.936 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.66	SLPM	13.68	SLPM
Filter Load	35	%	15	%
Ko Factor	13020		13020	
Temperature	-17.90	Deg C	-17.90	Deg C
Pressure	0.937	ATM	0.937	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.10		0.09
zero flow - auxillary	0.0	0.29		0.29
flow recovery - main	45 - 60 Seconds	35.00	45 - 60 Seconds	30.00
flow recovery - aux	46 - 60 Seconds	45.00	46 - 60 Seconds	48.00
Temperature	measured	-17.7	+/- 1.0 Deg C	4.3
Pressure	measured	0.937	+/- 1.5% Δ ATM	0.908
Total Flow	16.67 SLPM	16.55		17.30
Main Flow	13.67 SLPM	13.58	+/- 1.0 SLPM	14.21
Auxillary Flow	3.0 SLPM	2.966	+/- 0.2 SLPM	3.080
Leak Check - main	0.0	0.14	<0.15 SLPM	0.14
Leak Check - aux	0.0	0.30	<0.15 SLPM	0.29
Ko Factor (w/o filter)	measured	337.806	filter weight (g)	0.11423
Ko Factor (w/ filter)	measured	238.960	% Ko difference	-0.28%

Notes: New mass filter.Calibration Performed By: Dawn Ewan

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

Calibration Date	February 12, 2007	Previous Calibration	January 17, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input type="checkbox"/> Routine	<input type="checkbox"/> Install	<input checked="" type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	12:54	End Time (MST)	14:45
Barometric Pressure	28.5 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	0.968795	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	1.007288	Calculated slope	1.007480
Calculated intercept	0.590194	Calculated intercept	1.218577
Analyzer make	TECO	Analyzer serial #	43A-25573-221

	before		after	
Concentration range	1000	ppb	1000	ppb
Sample Flow	475	ccm	475	ccm
Lamp Voltage	797	mv	797	mv
Vacuum	21.2	" Hg	21.2	" Hg
Span Pot	490		490	
Zero Pot	100		100	

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	2436.5	0.0	0.7	N/A
2515	2436.5	304.9	302.3	1.0084
5030	4873.0	152.4	149.4	1.0204
9000	8719.2	85.2	81.2	1.0494
zero	2436.5	0.0	0.7	As Found Zero
2515	2436.5	304.9	302.3	As Found Span
Average Correction Factor				1.0261

Calculated value of As Found Response: 304.359 ppm Percent Change of As Found: 0.2%

	before calibration		after calibration	
Auto zero	2.0	ppm	NA	ppm
Auto span	138.4	ppm	NA	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

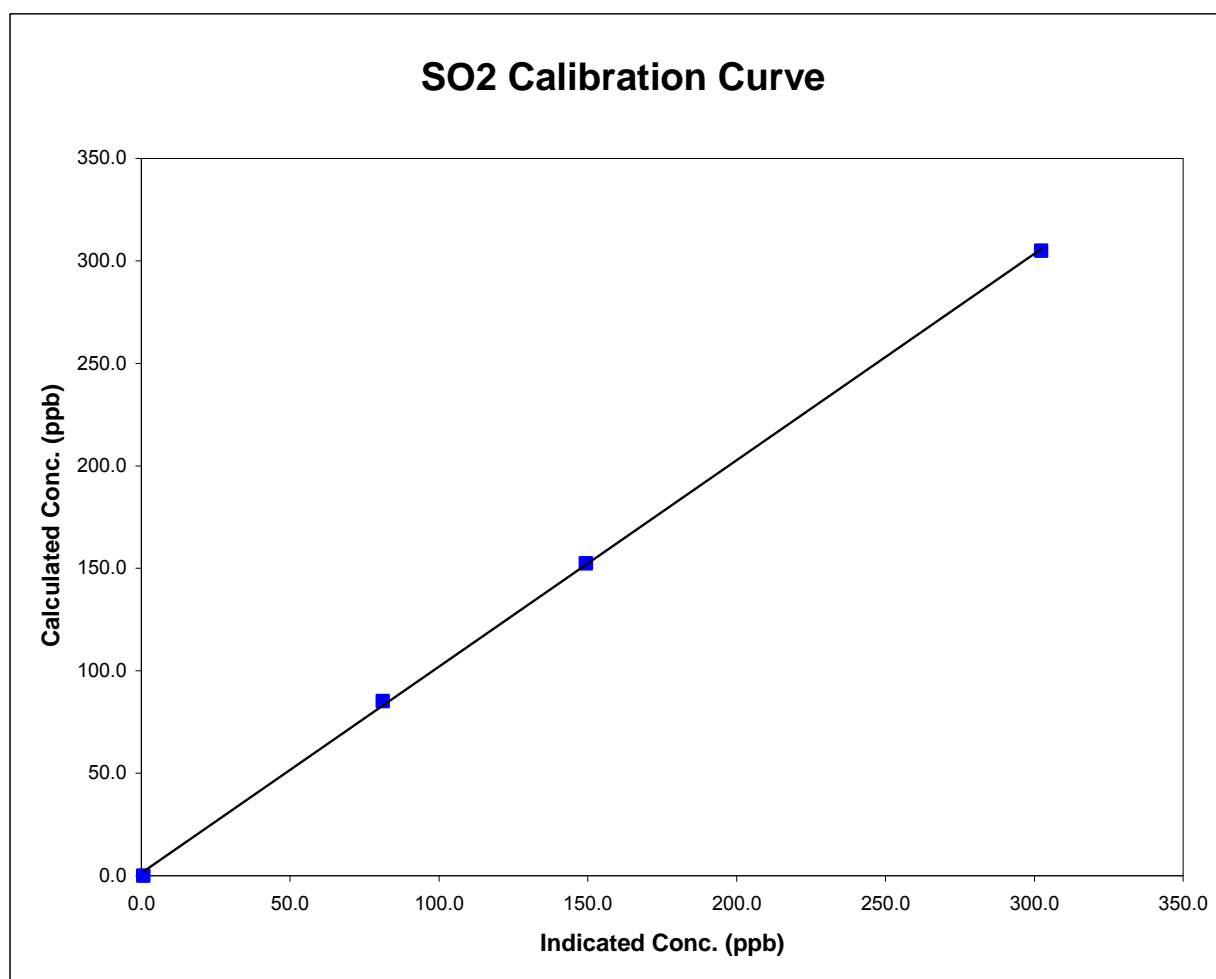


Station Information

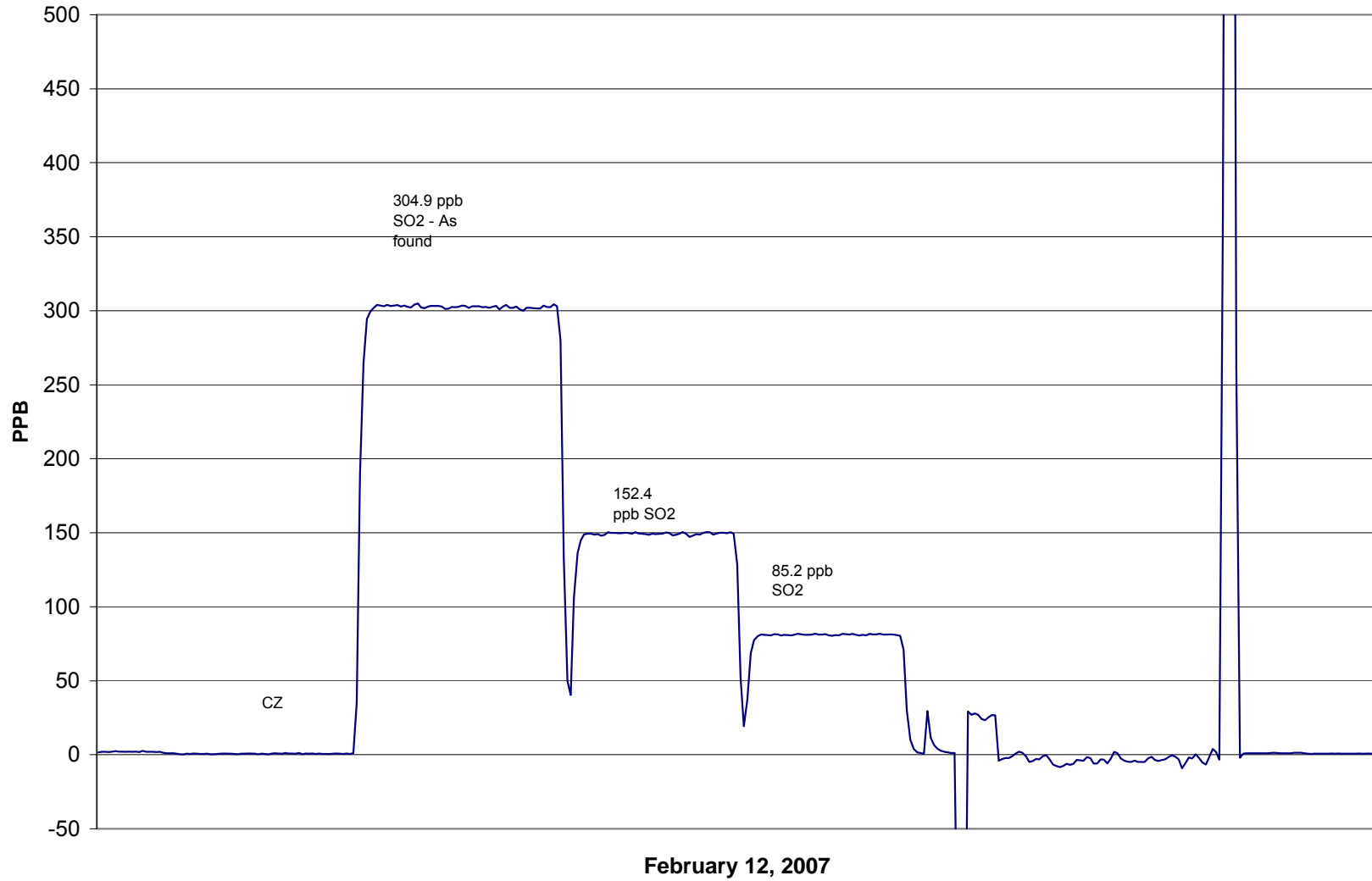
Calibration Date	February 12, 2007	Previous Calibration	January 17, 2007
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	12:54	End Time (MST)	14:45
Analyzer make/model	TECO	Analyzer serial #	43A-25573-221

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.7	N/A		
304.9	302.3	1.0084	Correlation Coefficient	0.999799
152.4	149.4	1.0204		
85.2	81.2	1.0494	Slope	1.007480
			Intercept	1.218577



SO2 Calibration



Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	February 14, 2007	Previous Calibration	
Station Number	2	Station Location	Evergreen Park
Reason:	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	14:00	End Time (MST)	17:08
Barometric Pressure	27.6 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.936842	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	52620
DACS voltage range	0 - 10 volt	DACS channel #	6
	Before		After
Calculated slope		Calculated slope	0.996142
Calculated intercept		Calculated intercept	1.162095
Analyzer make	Teco 43i	Analyzer serial #	701120008

	before		after	
Concentration range		ppb	1000	ppb
Background coefficient			8.5	
Lamp Voltage		volts	0.931	
Chamber Temp		Deg C	876	volts
Perm Gas Temp		Deg C	45.3	Deg C
Pressure		mm Hg	45	Deg C
Sample Flow		ccm	659.5	mm Hg
Lamp Intensity		%	44.3	ccm
			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	2342.1	0.0	0.8	N/A
2500	2342.1	317.1	318.0	0.9973
5200	4871.6	152.5	151.5	1.0065
9300	8712.6	85.3	82.1	1.0388
zero	2356.2	0.0	0.8	As Found Zero
2515	2356.2	315.3	334.0	As Found Span
Average Correction Factor				1.0142

Calculated value of As Found Response: NA

Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero		ppm	4.4	ppm
Auto span		ppm	271.6	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

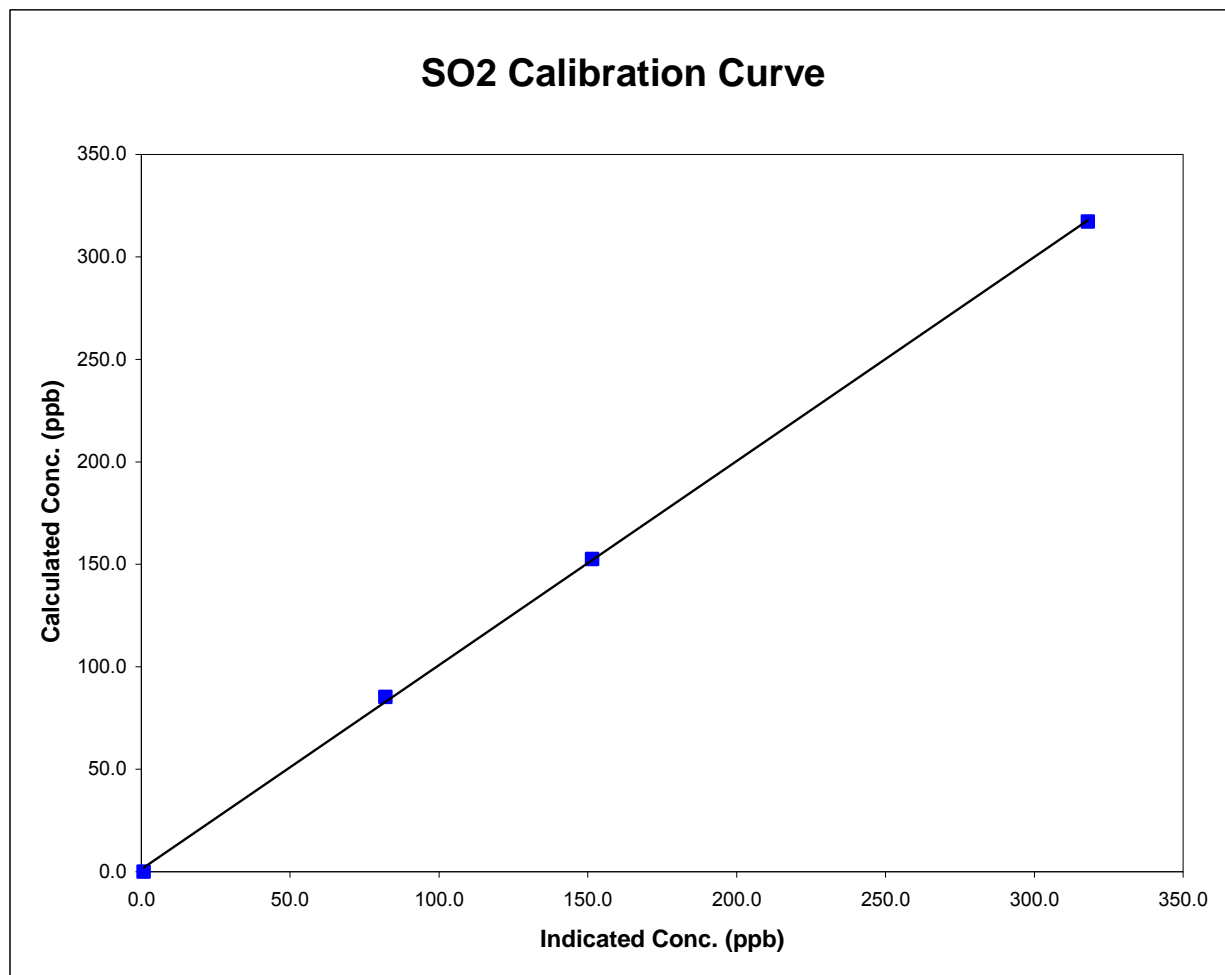


Station Information

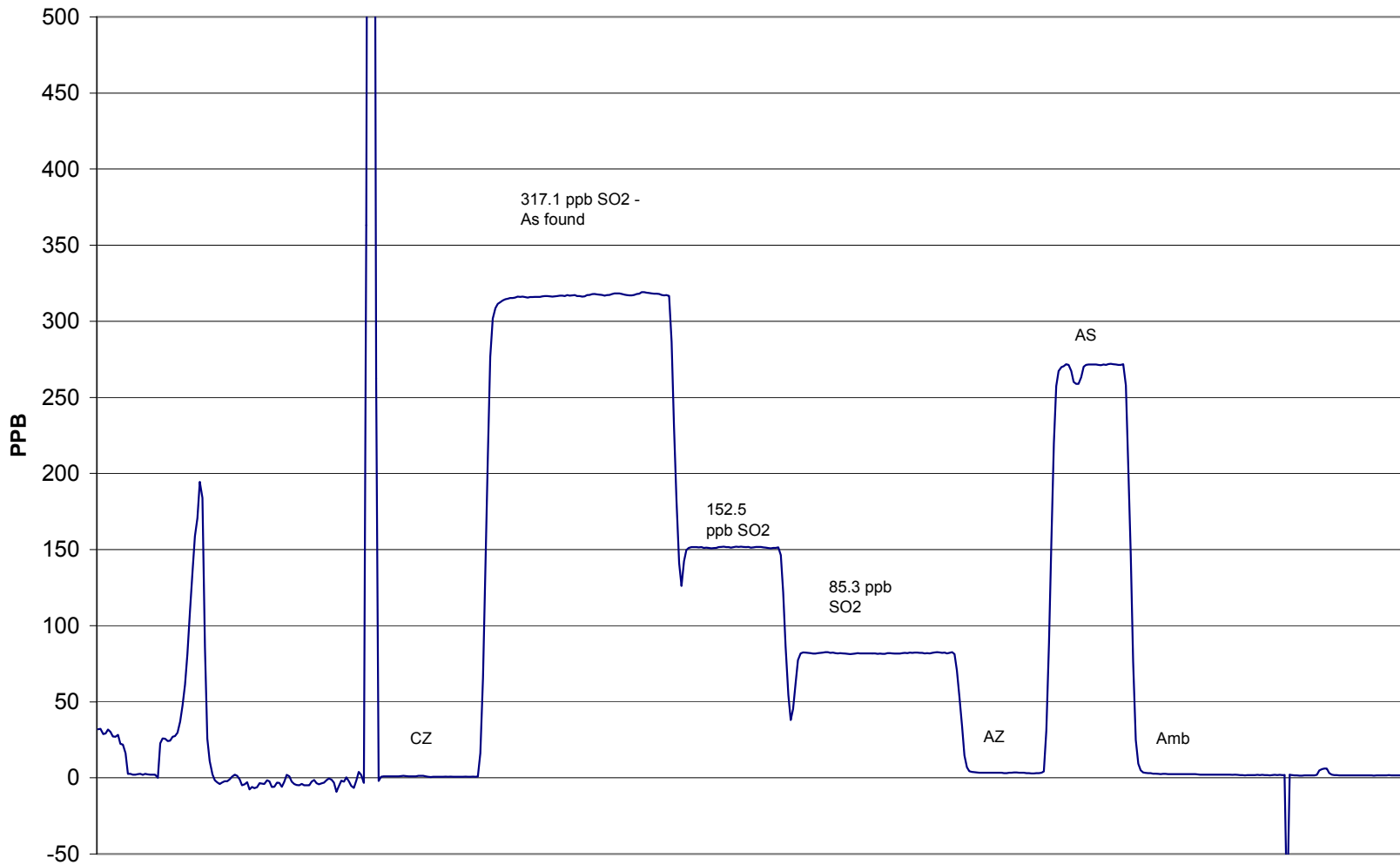
Calibration Date	February 14, 2007	Previous Calibration	January 0, 1900
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	14:00	End Time (MST)	17:08
Analyzer make/model	Teco 43i	Analyzer serial #	701120008

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.8	N/A		
317.1	318.0	0.9973	Correlation Coefficient	0.999814
152.5	151.5	1.0065		
85.3	82.1	1.0388	Slope	0.996142
			Intercept	1.162095

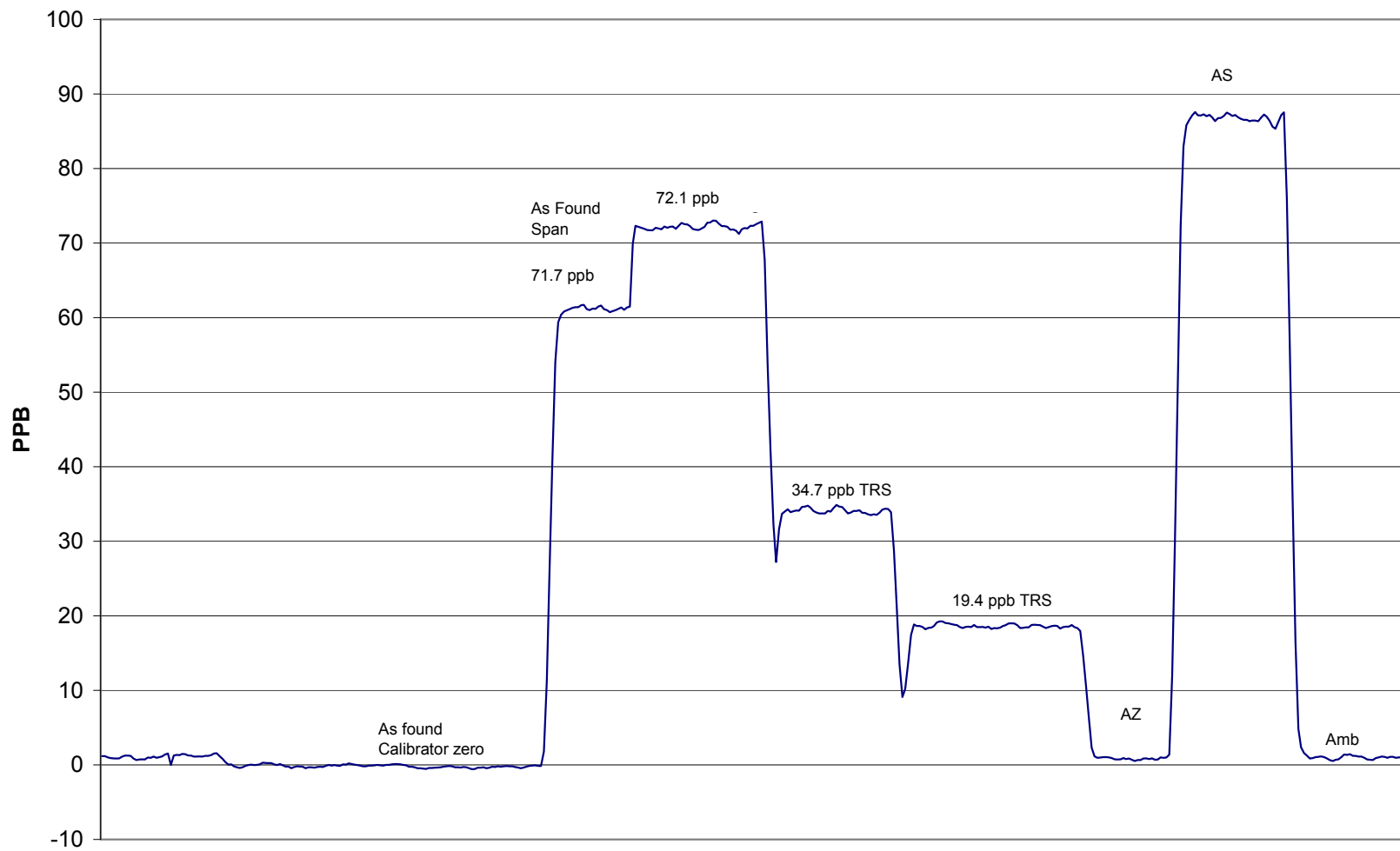


SO2 Calibration



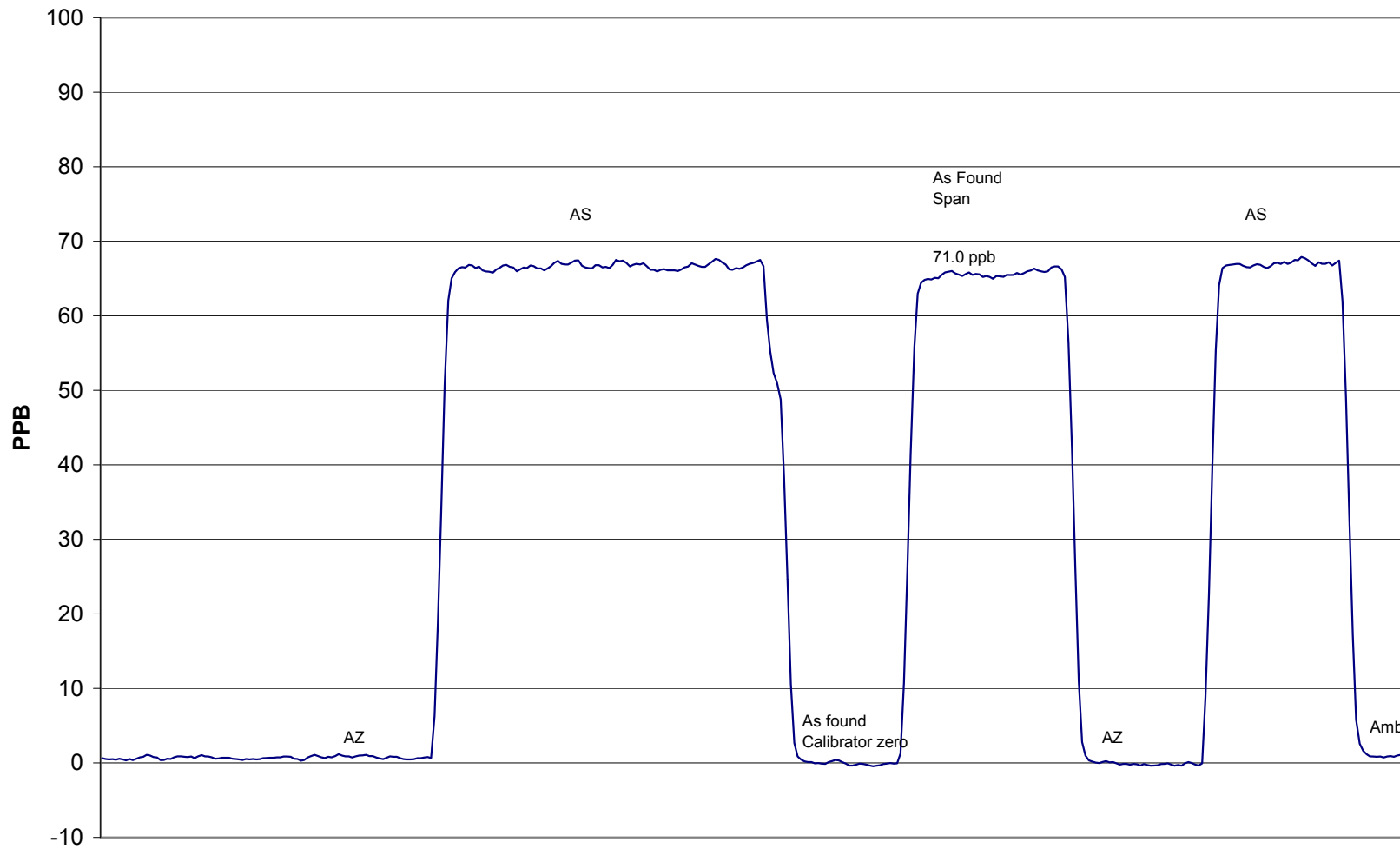
February 14, 2007

TRS Calibration



February 14, 2007

TRS Calibration



February 26, 2007

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

Calibration Date	February 14, 2007	Previous Calibration	January 17, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="checkbox"/>
Start Time (MST)	16:10	End Time (MST)	17:30
Barometric Pressure	0.934 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15
	Before		After
DACS slope	0.050000	DACS slope	0.050000
DACS intercept	-50.000000	DACS intercept	-50.000000

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	46	%	17	%
Ko Factor	10124		10124	
Temperature	-7.3	Deg C	-7.3	Deg C
Pressure	0.920	ATM	0.920	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.08		0.08
zero flow - auxillary	0.0	0.09		0.09
flow recovery - main	45 - 60 Seconds	35.0	45 - 60 Seconds	35.0
flow recovery - aux	46 - 60 Seconds	45.0	46 - 60 Seconds	45.0
Temperature	measured	-7.3	+/- 1.0 Deg C	-7.3
Pressure	measured	0.936	+/- 1.5% ΔATM	0.936
Total Flow	16.67 SLPM	17.35		17.35
Main Flow	13.67 SLPM	14.23	+/- 1.0 SLPM	14.23
Auxillary Flow	3.0 SLPM	3.075	+/- 0.2 SLPM	3.075
Leak Check - main	0.0	0.12	<0.15 SLPM	0.12
Leak Check - aux	0.0	0.15	<0.15 SLPM	0.15
Ko Factor (w/o filter)	measured		filter weight (g)	0.11012
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: New filter installed.Calibration Performed By: Dawn Ewan

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

Calibration Date	February 19, 2007	Previous Calibration	January 19, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	<input type="checkbox"/> Routine	<input type="checkbox"/> Install	<input checked="" type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	10:40	End Time (MST)	12:14
Barometric Pressure	27.11 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	0.921545	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	<u>Before</u>		<u>After</u>
Calculated slope	0.979825	Calculated slope	1.033124
Calculated intercept	2.364403	Calculated intercept	2.178828
Analyzer make	API 102A	Analyzer serial #	212

	before		after	
Concentration range	500	ppb	500	ppb
Sample Flow	570	ccm	570	ccm
UV Lamp Voltage	1700	mv	1700	mv
Lamp Ratio	51	%	51	%
Rx Cell Temp	49.5	Deg C	49.5	Deg C
PMT Temp	7.1	Deg C	7.1	Deg C
IZS Temp	45	Deg C	45	Deg C
Slope	1.406		1.406	
Intercept	22		22	

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	2336.1	0.0	0.1	N/A
2535	2336.1	318.0	306.8	1.0364
5020	4626.2	160.6	152.1	1.0555
9350	8616.4	86.2	79.2	1.0886
zero	2336.1	0.0	0.1	As Found Zero
2535	2336.1	318.0	306.8	As Found Span
Average Correction Factor				1.0602

Calculated value of As Found Response: 302.893 ppm Percent Change of As Found: 4.7%

	before calibration		after calibration	
Auto zero	2.0	ppm	NA	ppm
Auto span	234.6	ppm	NA	ppm

Notes: Shutdown calibration prior to new 43i install.Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

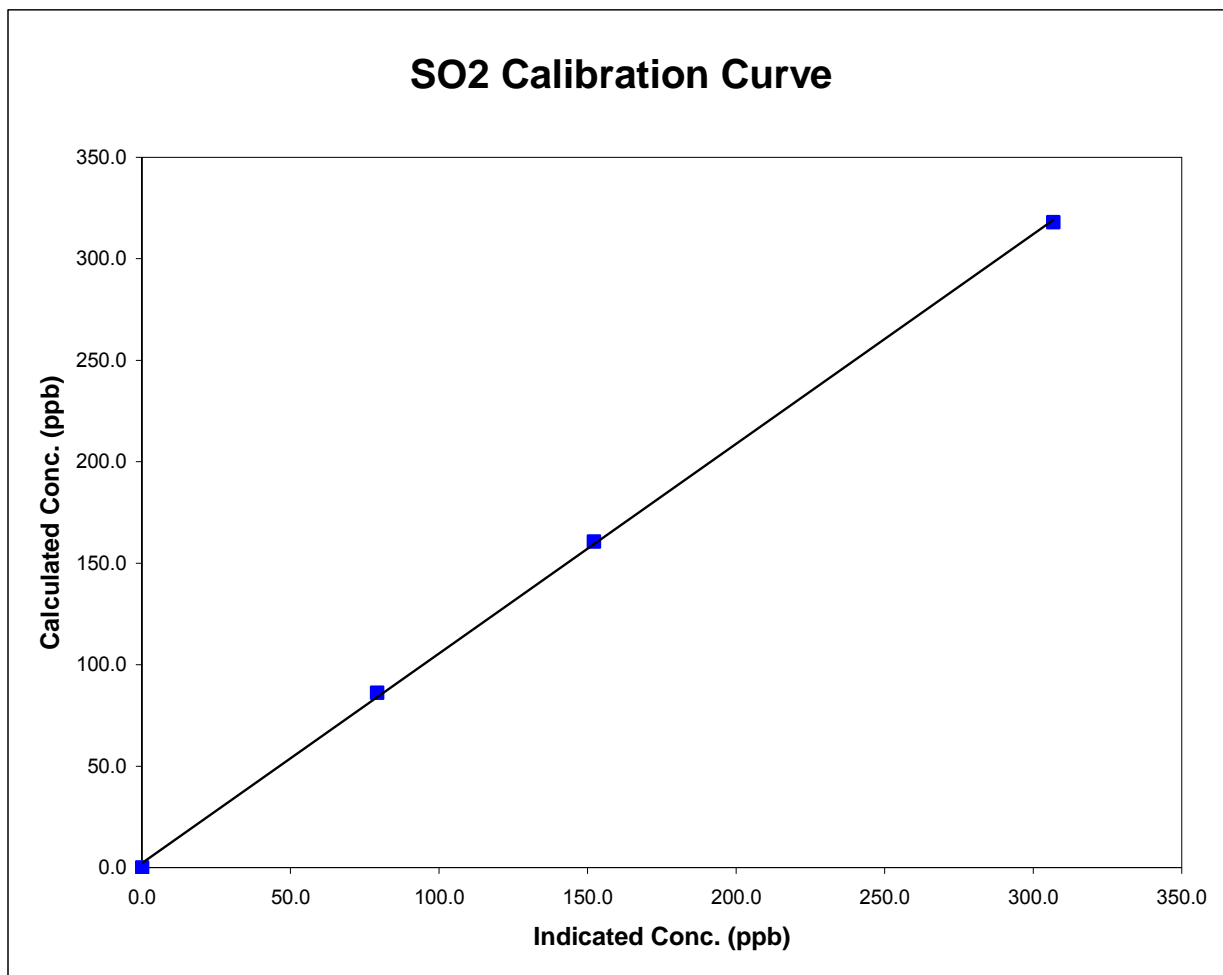


Station Information

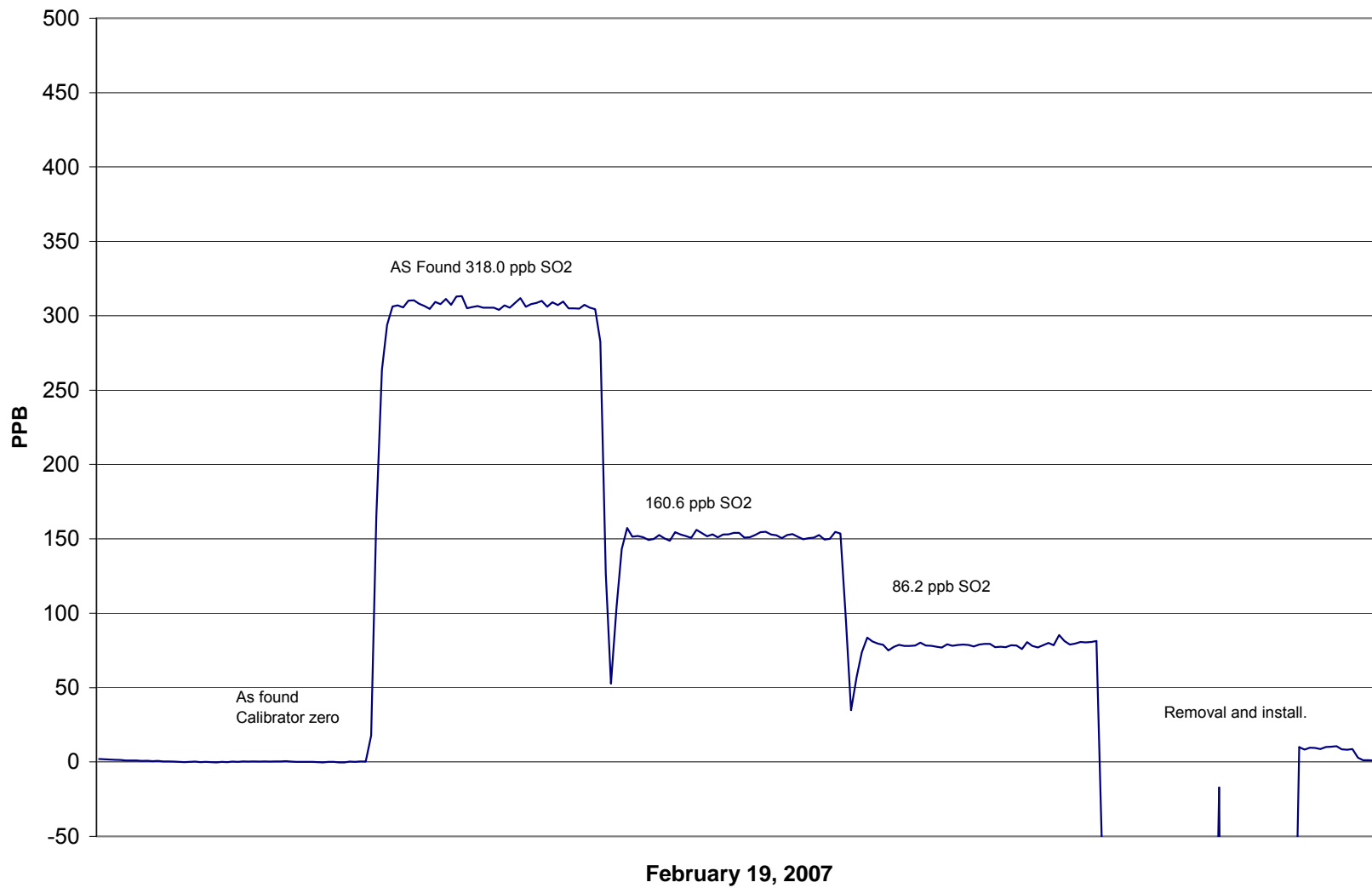
Calibration Date	February 19, 2007	Previous Calibration	January 19, 2007
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	10:40	End Time (MST)	12:14
Analyzer make/model	API 102A	Analyzer serial #	212

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
318.0	306.8	1.0364	Correlation Coefficient	0.999763
160.6	152.1	1.0555		
86.2	79.2	1.0886	Slope	1.033124
			Intercept	2.178828



SO2 Calibration



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

Calibration Date	February 19, 2007	Previous Calibration	January 19, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	12:14	End Time (MST)	16:28
Barometric Pressure	27.11 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	0.921545	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	<u>Before</u>		<u>After</u>
Calculated slope		Calculated slope	0.995492
Calculated intercept		Calculated intercept	1.052841
Analyzer make	Teco 43i	Analyzer serial #	70112009

	before		after	
Concentration range		ppb	500	ppb
Sample Flow		ccm	570	ccm
UV Lamp Voltage		mv	1700	mv
Lamp Ratio		%	51	%
Rx Cell Temp		Deg C	49.5	Deg C
PMT Temp		Deg C	7.1	Deg C
IZS Temp		Deg C	45	Deg C
Slope			1.406	
Intercept			22	

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	2294.6	0.0	0.2	N/A
2490	2294.6	323.7	325.0	0.9960
5020	4626.2	160.6	158.8	1.0108
9350	8616.4	86.2	84.7	1.0174
zero	2294.6	0.0	0.2	As Found Zero
2490	2294.6	323.7	325.0	As Found Span
Average Correction Factor				1.0081

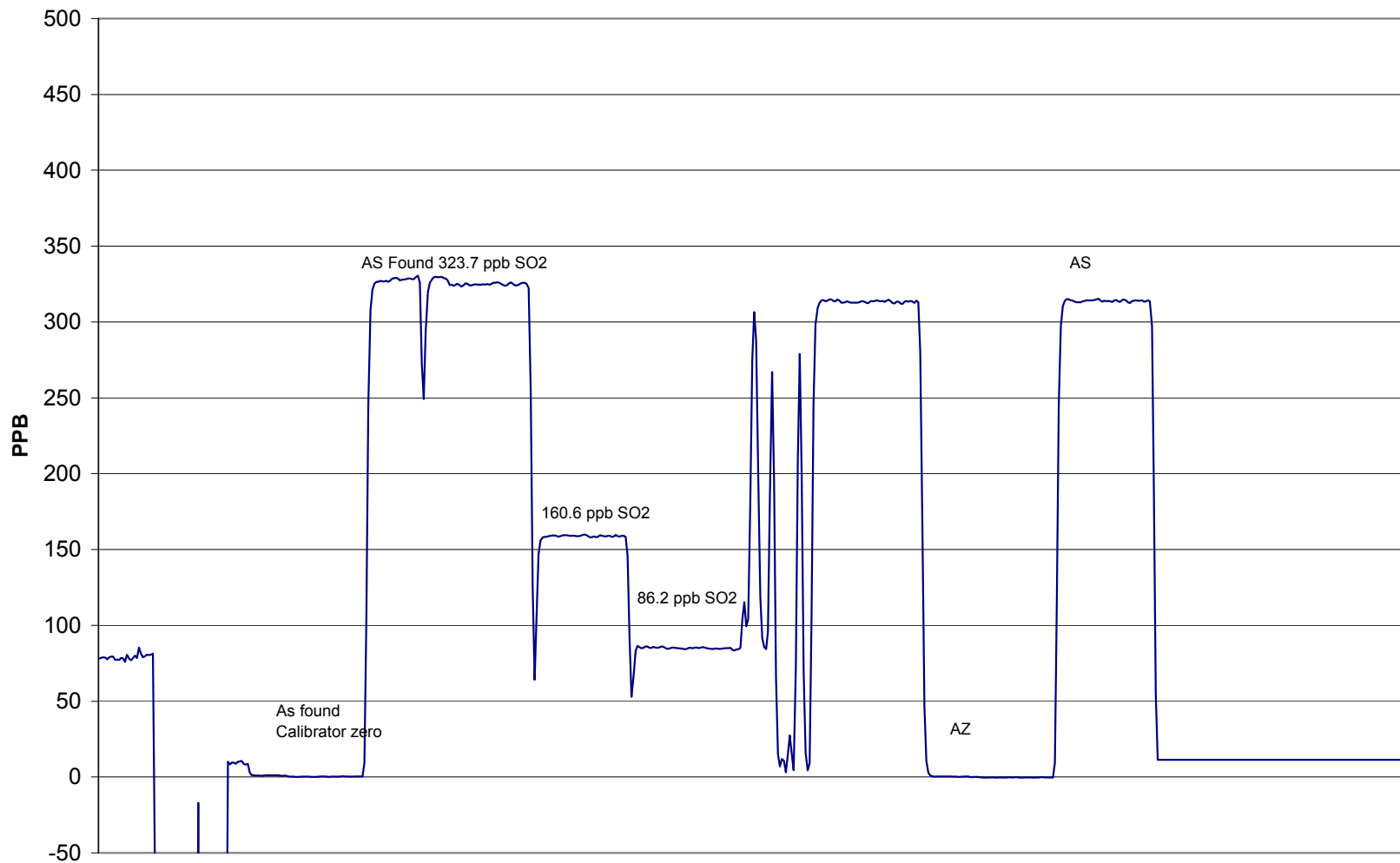
Calculated value of As Found Response: NA

Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero		ppm	0.8	ppm
Auto span		ppm	313.4	ppm

Notes: Install of Teco 43i s/n 070112009Calibration Performed By: Dawn Ewan

SO2 Calibration



February 19, 2007

Calibration Summary

Parameter **TRS**
 Air Monitoring Network **PASZA**

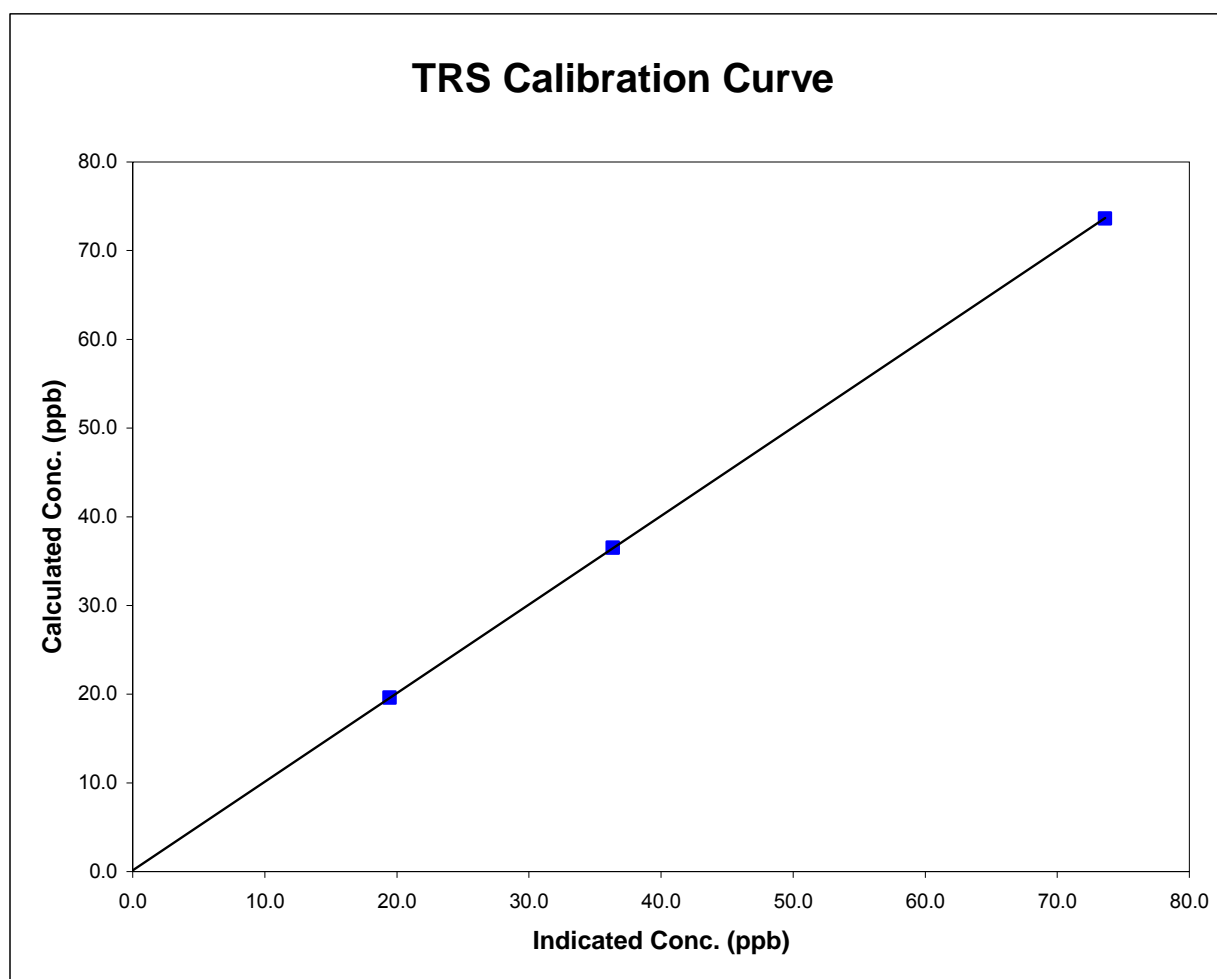


Station Information

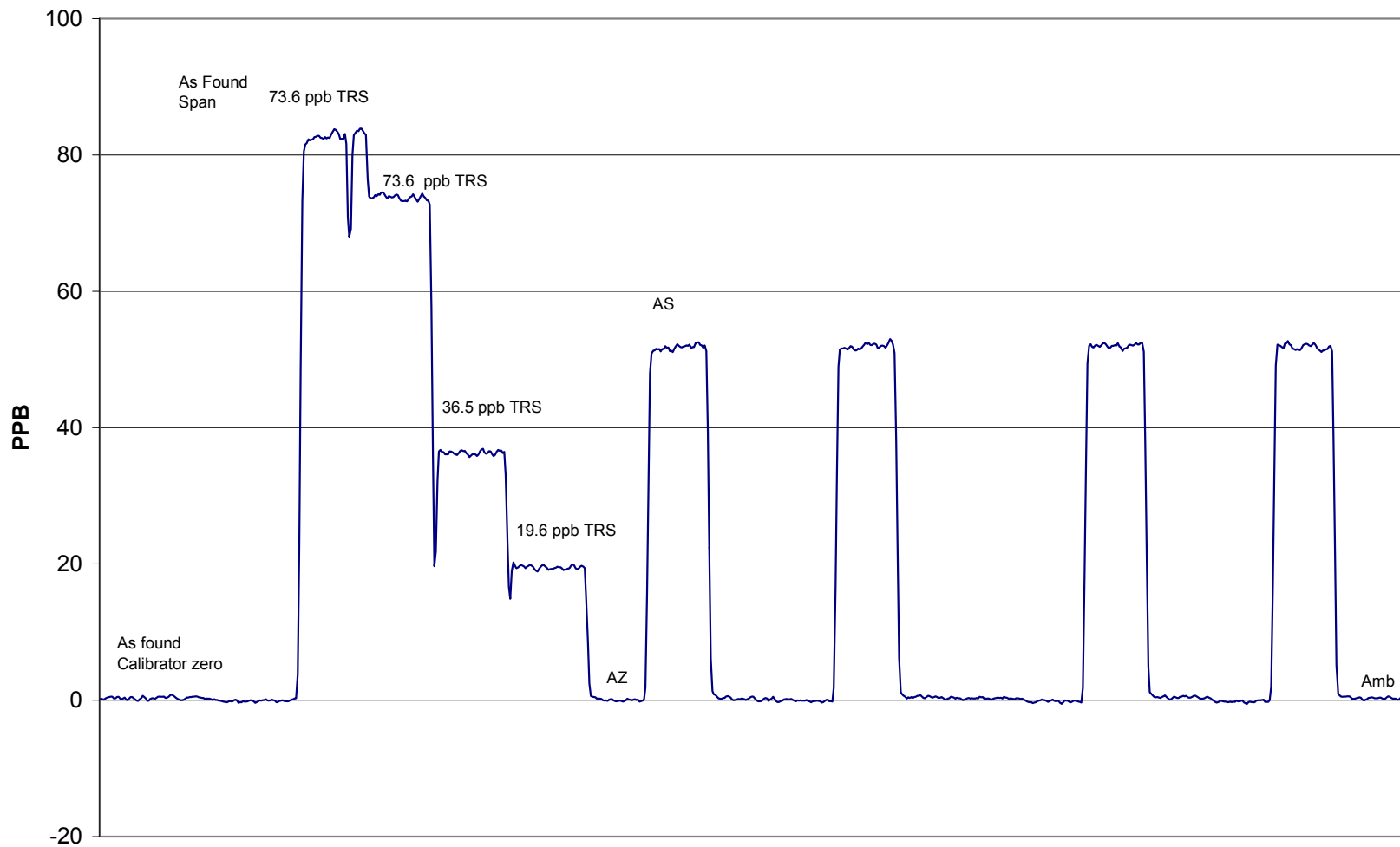
Calibration Date	<u> </u> February 19, 2007	Previous Calibration	<u> </u> January 19, 2007
Station Number	<u> </u> 3	Station Location	<u> </u> Smoky Heights
Start Time (MST)	<u> </u> 12:14	End Time (MST)	<u> </u> 18:49
Analyzer make/model	<u> </u> TEI Model 43C	Analyzer serial #	<u> </u> 436610004

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.1	N/A		
73.6	73.6	1.0001	Correlation Coefficient	0.999995
36.5	36.3	1.0049		
19.6	19.4	1.0083	Slope	0.998784
			Intercept	0.146959



TRS Calibration



February 19, 2007

Calibration Report

Parameter PM2.5
 Air Monitoring Network PASZA

Station Information

Calibration Date	February 19, 2007	Previous Calibration	January 19, 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="text"/>
Start Time (MST)	16:00	End Time (MST)	
Barometric Pressure	0.899 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	41	%	17	%
Ko Factor	12122		12122	
Temperature	-10.7	Deg C	-10.7	Deg C
Pressure	0.899	ATM	0.899	ATM
Main Fadj	0.900		0.900	
Aux Fadj	0.900		0.900	

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	42	46 - 60 Seconds	42
Temperature	measured	-10.7	+/- 1.0 Deg C	-10.7
Pressure	measured	0.899	+/- 1.5% ΔATM	0.899
Total Flow	16.67 SLPM	17.78		17.71
Main Flow	13.67 SLPM	14.61	+/- 1.0 SLPM	14.61
Auxillary Flow	3.0 SLPM	3.170	+/- 0.2 SLPM	3.100
Leak Check - main	0.0		<0.15 SLPM	0.15
Leak Check - aux	0.0		<0.15 SLPM	0.30
Ko Factor (w/o filter)	measured		filter weight (g)	0.11014
Ko Factor (w/ filter)	measured		% Ko difference	

Notes:

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	February 23, 2007	Previous Calibration	January 26, 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)	12:06	End Time (MST)	15:14
Barometric Pressure	0.902 atm	Station Temperature	20.0 Deg C
Calibrator	EnviroNics 6103	Serial Number	2488
Cal Gas Make	Scott	Cal Gas Expiry Date	December 12, 2005
Cal Gas Conc.	10.3 ppm	Cal Gas Cylinder #	BLM002816
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3
	<u>Before</u>		<u>After</u>
Calculated slope	1.000759	Calculated slope	0.996611
Calculated intercept	-0.381232	Calculated intercept	-0.685867
Analyzer make	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.31	ppb	2.4	ppb
Coefficient	0.898		0.918	
Lamp Voltage	911.0	Volts	914.0	Volts
Chamber Temp	43.5	Deg C	43.1	Deg C
Sample Flow	573	ccm	567	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	0.08	N/A
4996	39.94	81.69	82.36	0.9919
4996	19.97	41.01	42.07	0.9749
4996	9.95	20.47	21.90	0.9348
4996	0.00	0.00	0.07	As Found Zero
4996	39.94	81.69	80.62	As Found Span
Average Correction Factor				0.9672

Calculated value of As Found Response: 80.222 ppm Percent Change of As Found: 1.8%

	before calibration		after calibration	
Auto zero	-0.34	ppm	-0.62	ppm
Auto span	28.96	ppm	29.18	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

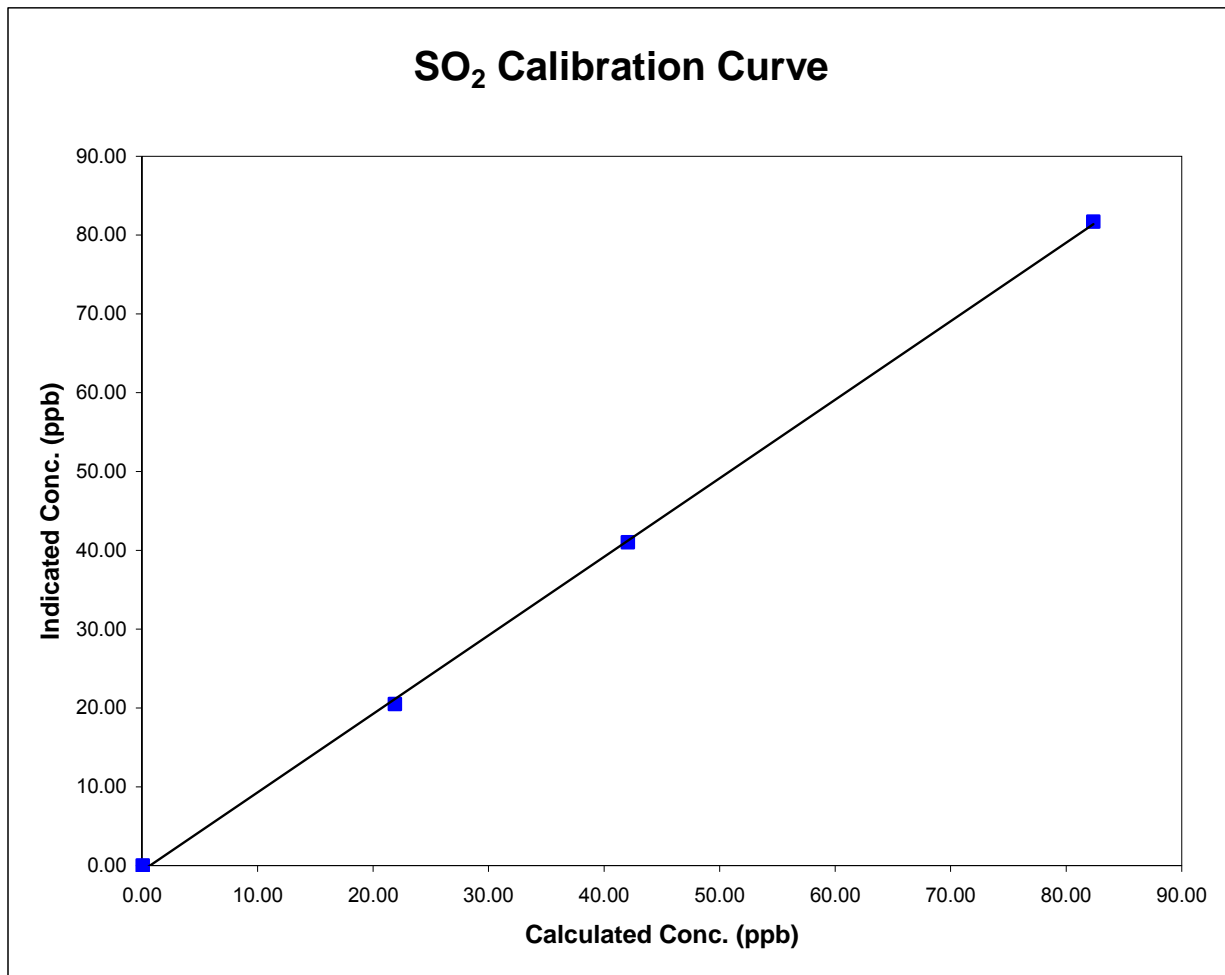


Station Information

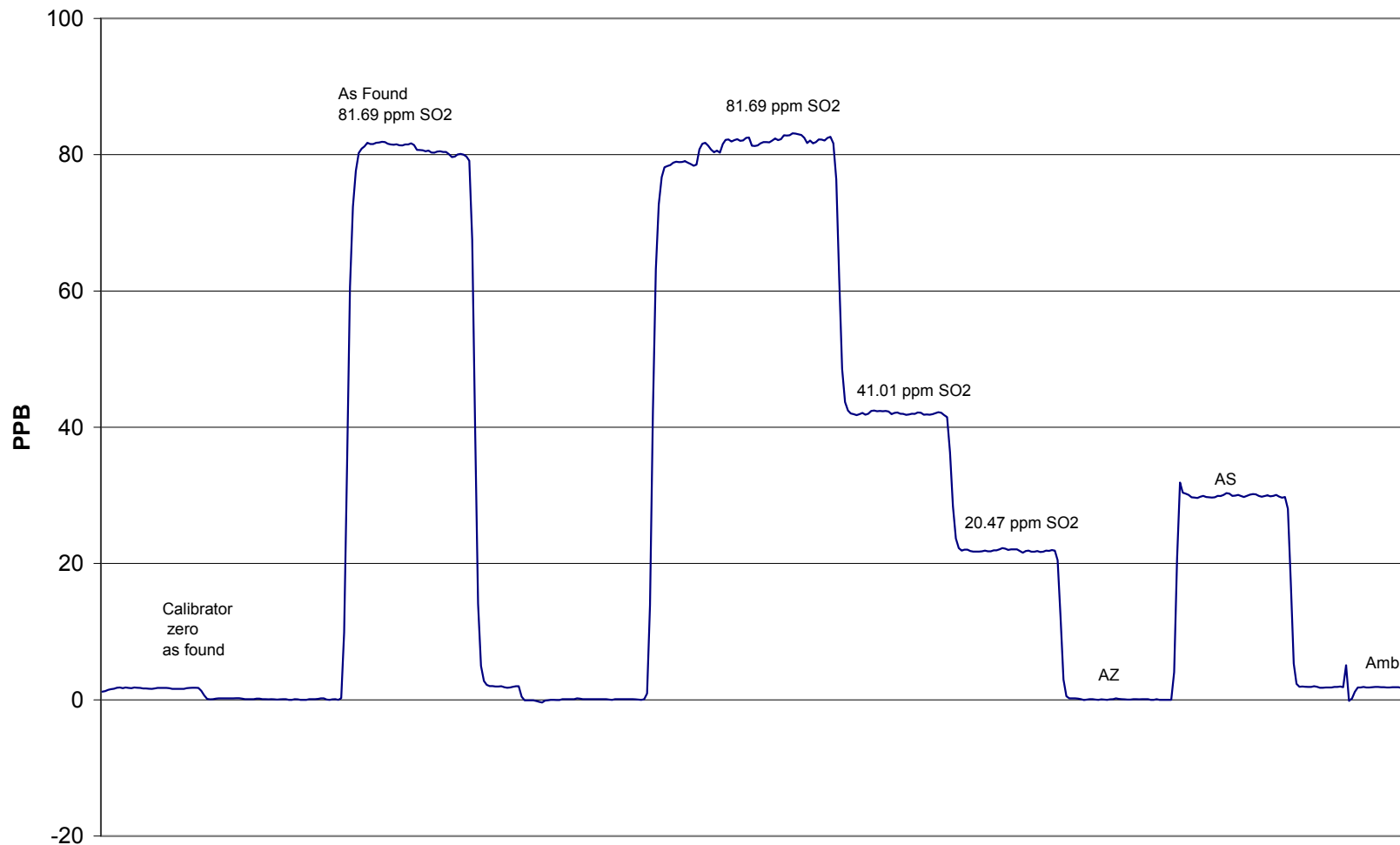
Calibration Date	February 23, 2007	Previous Calibration	January 26, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:06	End Time (MST)	15:14
Analyzer make/model	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.083	N/A		
81.689	82.360	0.9919	Correlation Coefficient	0.999740
41.007	42.065	0.9749		
20.473	21.901	0.9348	Slope	0.996611
			Intercept	-0.685867



SO₂ Calibration



February 23, 2007

Calibration Report

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



Station Information

Calibration Date	<u>February 20, 2007</u>	Previous Calibration	<u>January 26, 2007</u>
Station Number	<u>4</u>	Station Location	<u>AG Canada Research Station</u>

Reason: Routine Installation Removal Other: _____

Start Time (MST)	<u>12:00</u>	End Time (MST)	<u>15:38</u>
Barometric Pressure	<u>0.912</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	0.991607	0.996778	0.998872
	Data Offset	-0.917515	-1.133139	0.380117
After	Data Slope	1.001250	0.996092	0.999393
	Data Offset	-2.029542	-1.973627	-2.613553
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	1.047		1.049	
NOx coefficient	0.974		0.983	
Box Temp	32.8	ccm	30.7	ccm
Chamber Temp	49.2	Deg C	49.4	Deg C
Cooler Temp	-2.0	Deg C	-2.2	Deg C
Converter Temp	324.0	Deg C	325.0	Deg C
Sample Flow	799.0	LPM	780.0	LPM
Ozonator Flow	0.086	LPM	0.084	LPM
Pressure	168.1	inches HG	164.5	inches Hg

Notes: Adjusted span only.

Calibration Report

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



Station Information

Calibration Date: February 20, 2007 Station Location: AG Canada Research Station

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	0.0	1.0	2.0	N/A	N/A	
1	4996	79.86	794.5	791.4	3.1	798.5	793.5	4.1	0.9950	0.9974	
2	4996	39.98	400.9	399.3	1.6	405.7	403.5	1.6	0.9883	0.9897	
3	4996	20.00	201.4	200.6	0.8	206.1	204.7	1.0	0.9772	0.9800	
AFZ	4996	0.00	0.0	0.0	0.0	0.0	-0.2	-0.3	0.0000	0.0000	
AFS	4996	79.86	794.5	791.4	3.1	789.7	792.2	-3.4	1.0061	0.9990	
									Average Correction Factor	0.9868	0.9890

As Found Concentrations: NO_x= 788.6 NO= 792.8 As Found Percent Change NO_x= -0.7% NO= 0.2%

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

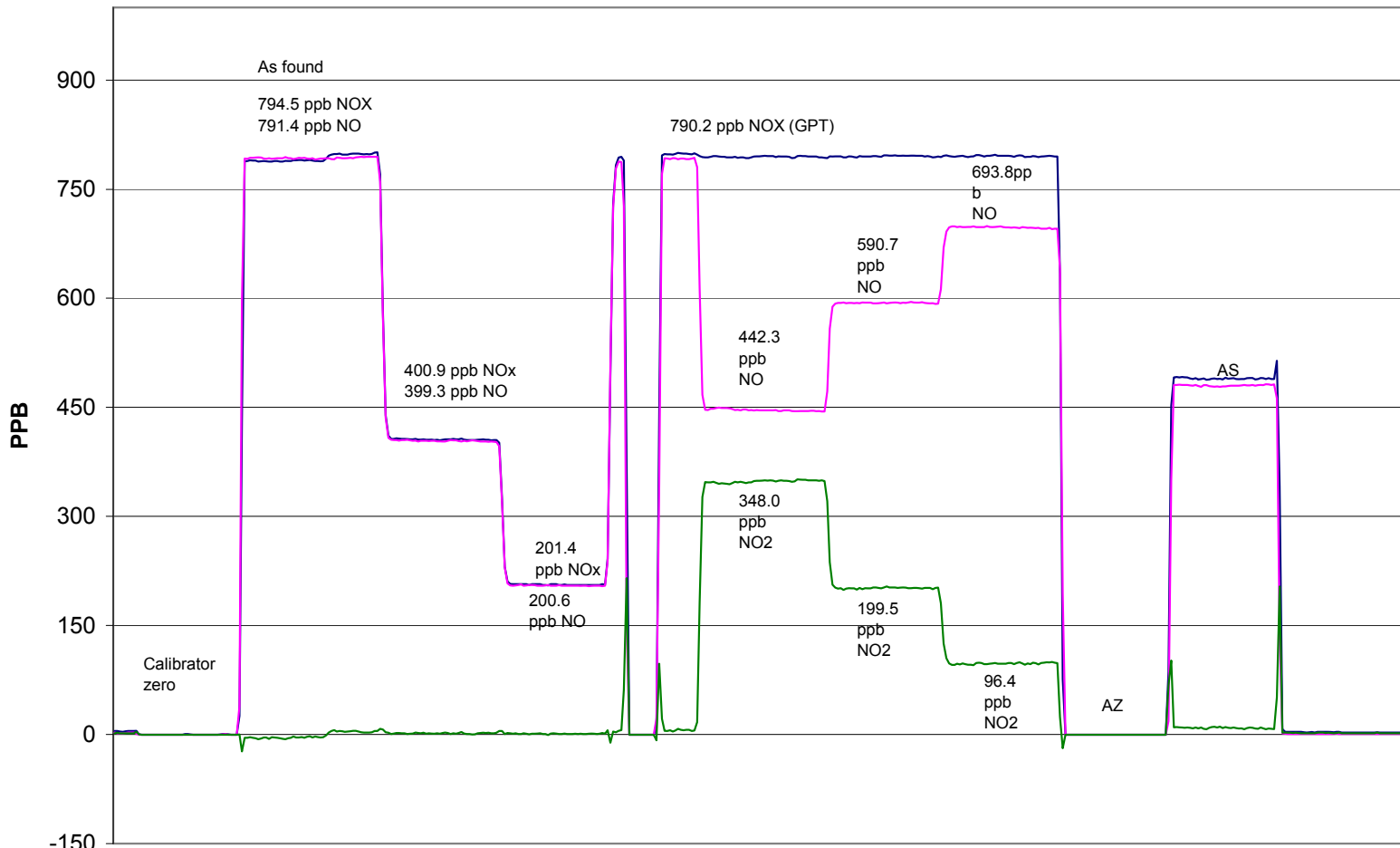
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	790.2	789.0	1.2	798.7	792.1	5.8	0.9894	0.9961	N/A	N/A	
350	790.2	442.3	348.0	794.7	445.2	349.3	0.9944	0.9935	0.9961	100.4%	
200	790.2	590.7	199.5	795.8	593.7	201.7	0.9930	0.9950	0.9889	101.1%	
100	790.2	693.8	96.4	795.4	696.9	98.1	0.9934	0.9956	0.9823	101.8%	
							Average Correction Factor	0.9936	0.9947	0.9891	101.1%

AIC Data

Parameter	Previous calibration				Current calibration			
	NO _x	NO ₂	NO		NO _x	NO ₂	NO	
Auto zero	-1.4	-1.2	0.1	ppb	-2.2	-2.3	-2.9	ppb
Auto span	485.9	2.8	484.1	ppb	485.7	6.7	477.4	ppb

Calibration Performed By: Dawn Ewan

NOx Calibration



February 20, 2007

Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

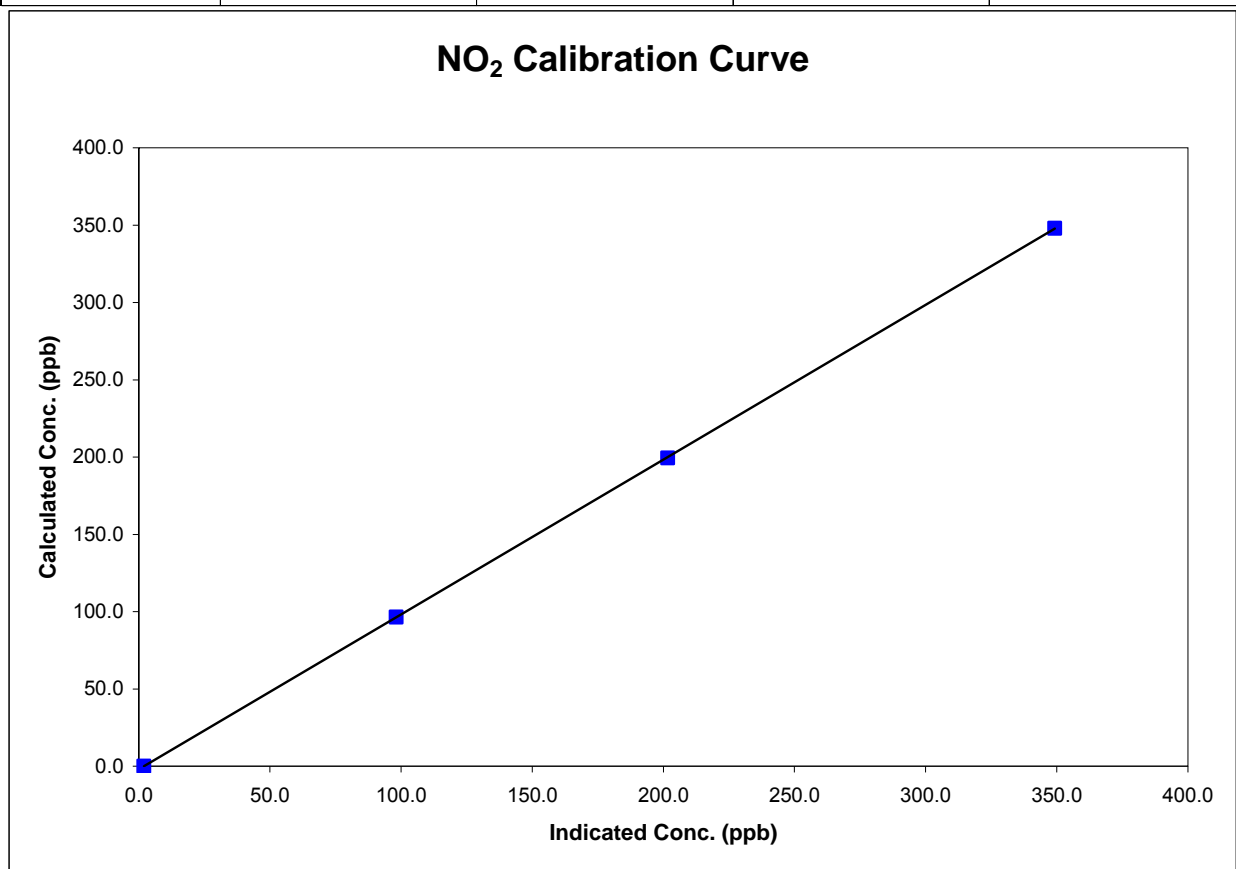


Station Information

Calibration Date	February 20, 2007	Previous Calibration	January 26, 2007
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	12:00	End Time (MST)	15:38
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	2.0	0.0000		
348.0	349.3	0.9961	Correlation Coefficient	0.999996
199.5	201.7	0.9889		
96.4	98.1	0.9823	Slope	1.001250
			Intercept	-2.029542



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

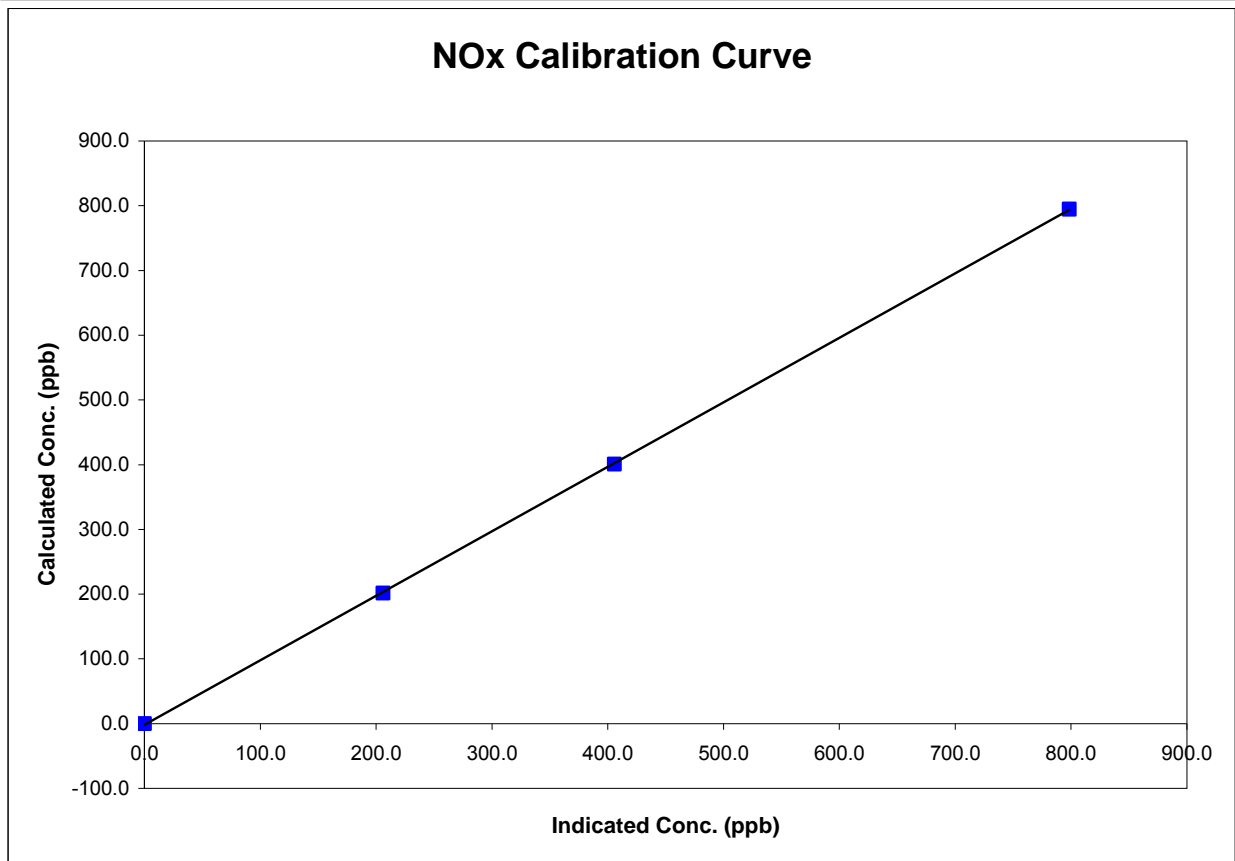


Station Information

Calibration Date	February 20, 2007	Previous Calibration	January 26, 2007
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	12:00	End Time (MST)	15:38
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	0.0000		
794.5	798.5	0.9950	Correlation Coefficient	0.999970
400.9	405.7	0.9883		
201.4	206.1	0.9772	Slope	0.996092
			Intercept	-1.973627



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

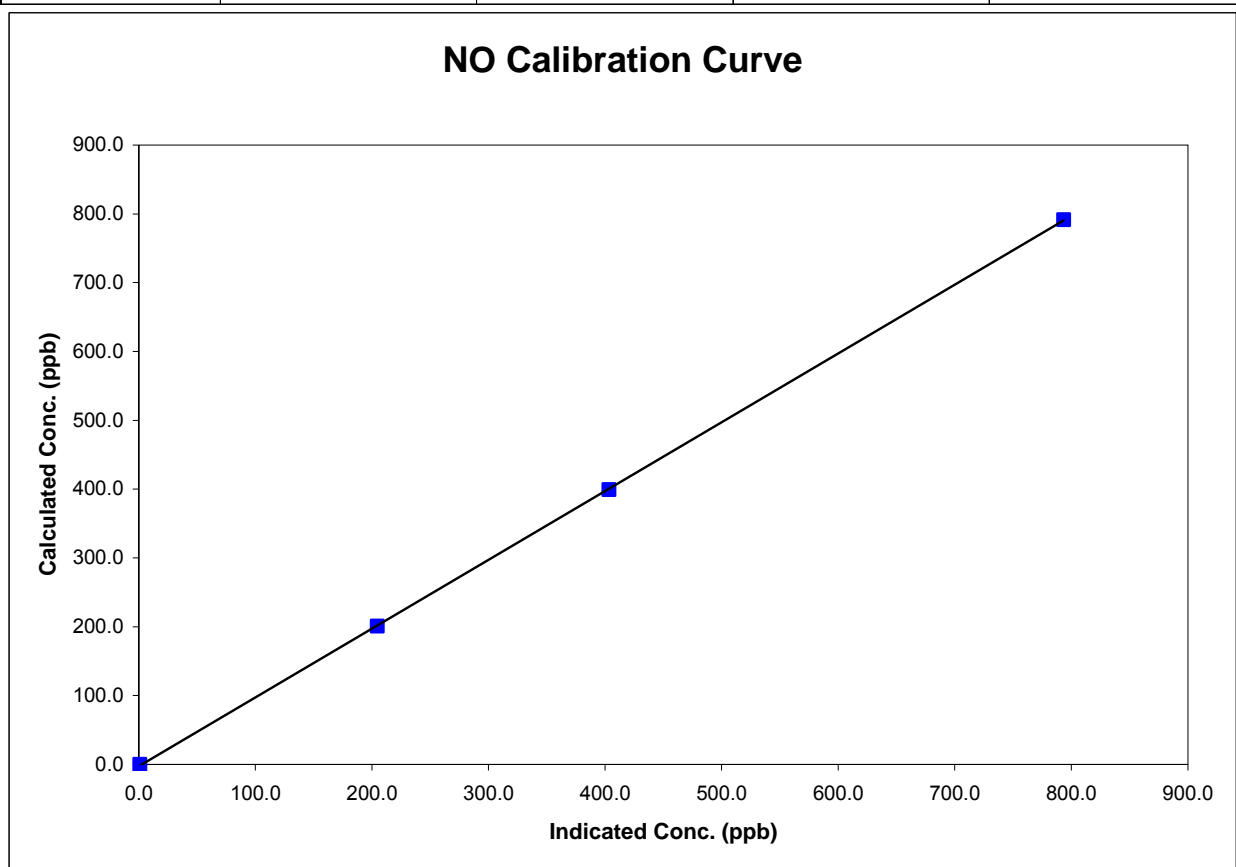


Station Information

Calibration Date	February 20, 2007	Previous Calibration	January 26, 2007
Station Number	4	Station Location	AG Canada Research Station
Start Time (MST)	12:00	End Time (MST)	15:38
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	1.0	N/A	Correlation Coefficient	0.999978
791.4	793.5	0.9974		
399.3	403.5	0.9897		
200.6	204.7	0.9800	Slope	0.999393
			Intercept	-2.613553



Calibration Report

Parameter 03 Air Monitoring Network PASZA

Station Information

Calibration Date February 23, 2007 Previous Calibration January 26, 2007 Station Number 4 Station Location Beaverlodge Reason: Routine Install Removal Other: Start Time (MST) 14:30 End Time (MST) 16:40 Barometric Pressure 0.912 atm Station Temperature 20.0 Deg CCalibrator Enviroics 6103 Serial Number 2977 Cal Gas Concentration NA Cal Gas Expiry Date NA DACs make Focus AP1000 DACs serial No. 45269 DACs voltage range 0 - 1 volt DACs channel # 5 Before After Calculated slope 0.943477 Calculated slope 1.006834 Calculated intercept -1.148069 Calculated intercept 0.897042 Analyzer make Teco 49C Analyzer serial # 49C-76443-383

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.70	ppb	-0.80	ppb
slope	1.048		1.048	
Lamp temp	71	mV	71	mV
Lamp Intensity A/B	84400/82000	mV	83700/81700	mV
Pressure	690	inches Hg	676.8	inches Hg
Flow A	758	ccm	748	ccm
Flow B	713	Deg C	705	Deg C

Calibration Data

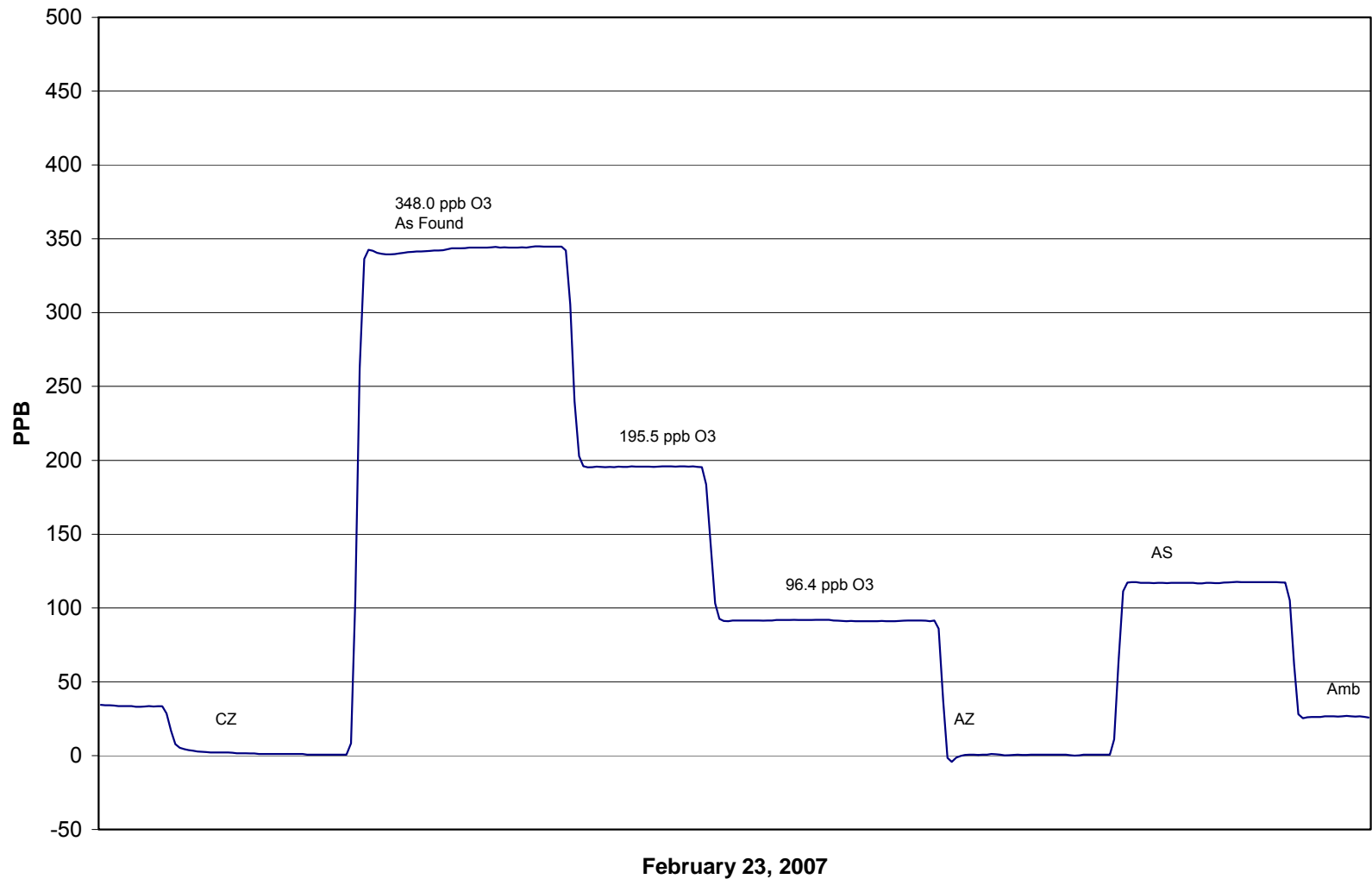
Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.8	N/A
4992	0.00	348.0	344.3	1.0106
4992	0.00	199.5	195.7	1.0192
4992	0.00	96.4	91.2	1.0574
4992	0.00	0.0	0.8	As found zero
4992	0.00	348.0	344.3	As found span
Average Correction Factor				1.0290

Calculated value of As Found Response: 323.0 ppm Percent Change of As Found: -7.2%

	before calibration		after calibration	
Auto zero	0.1	ppb	1.4	ppb
Auto span	110.9	ppb	118.9	ppb

Notes: Adjusted span. Calibration Performed By: Dawn Ewan

O3 Calibration



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

Calibration Date	February 23, 2007	Previous Calibration	December 12, 2006
Station Number	4	Station Location	Beaverlodge
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="checkbox"/>
Start Time (MST)	15:00	End Time (MST)	16:30
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	24	%	24	%
Ko Factor	14287		14287	
Temperature	-8.4	Deg C	-8.4	Deg C
Pressure	0.902	ATM	0.902	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	0.23		0.21
flow recovery - main	45 - 60 Seconds	38.00	45 - 60 Seconds	38.00
flow recovery - aux	46 - 60 Seconds	48.00	46 - 60 Seconds	48.00
Temperature	measured	-8.2	+/- 1.0 Deg C	-8.2
Pressure	measured	0.902	+/- 1.5% Δ ATM	0.902
Total Flow	16.67 SLPM	15.90		17.00
Auxiliary Flow	13.67 SLPM	12.90	+/- 1.0 SLPM	13.98
Main Flow	3.0 SLPM	2.800	+/- 0.2 SLPM	3.061
Leak Check - main	0.0	0.12	<0.15 SLPM	0.07
Leak Check - aux	0.0	0.25	<0.15 SLPM	0.26
Ko Factor (w/o filter)	measured		filter weight (g)	0.10931
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: Adjusted flows on hardware.
New filter installed 2 days prior. 37 to 21%.

Calibration Performed By: Dawn Ewan

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

Calibration Date	February 27, 2007	Previous Calibration	January 23, 2007
Station Number	1	Station Location	Muskoseepi Park
Reason:	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	13:30	End Time (MST)	17:09
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	0.993989	Calculated slope	0.992253
Calculated intercept	0.576242	Calculated intercept	1.189601
Analyzer make	TEI Model 43C APS1AB	Analyzer serial #	609716238

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Background	7.9		8.1	
Coefficient	1.153		1.153	
UV Lamp voltage	753	V	754	V
Chamber Temperature	44.7	C	44.6	C
Perm gas Temp	45	C	45	C
Pressure	711.6	"Hg	677.5	"Hg
Sample Flow	505	LPM	488	LPM
Lamp Intensity	34100	Hz	34100	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	2407.4	0.0	0.1	N/A
2565	2407.4	308.5	310.4	0.9941
5025	4716.2	157.5	157.1	1.0025
9300	8728.4	85.1	83.1	1.0243
zero	2360.4	0.0	0.1	As Found Zero
2515	2360.4	314.7	310.4	As Found Span
Average Correction Factor				1.0070

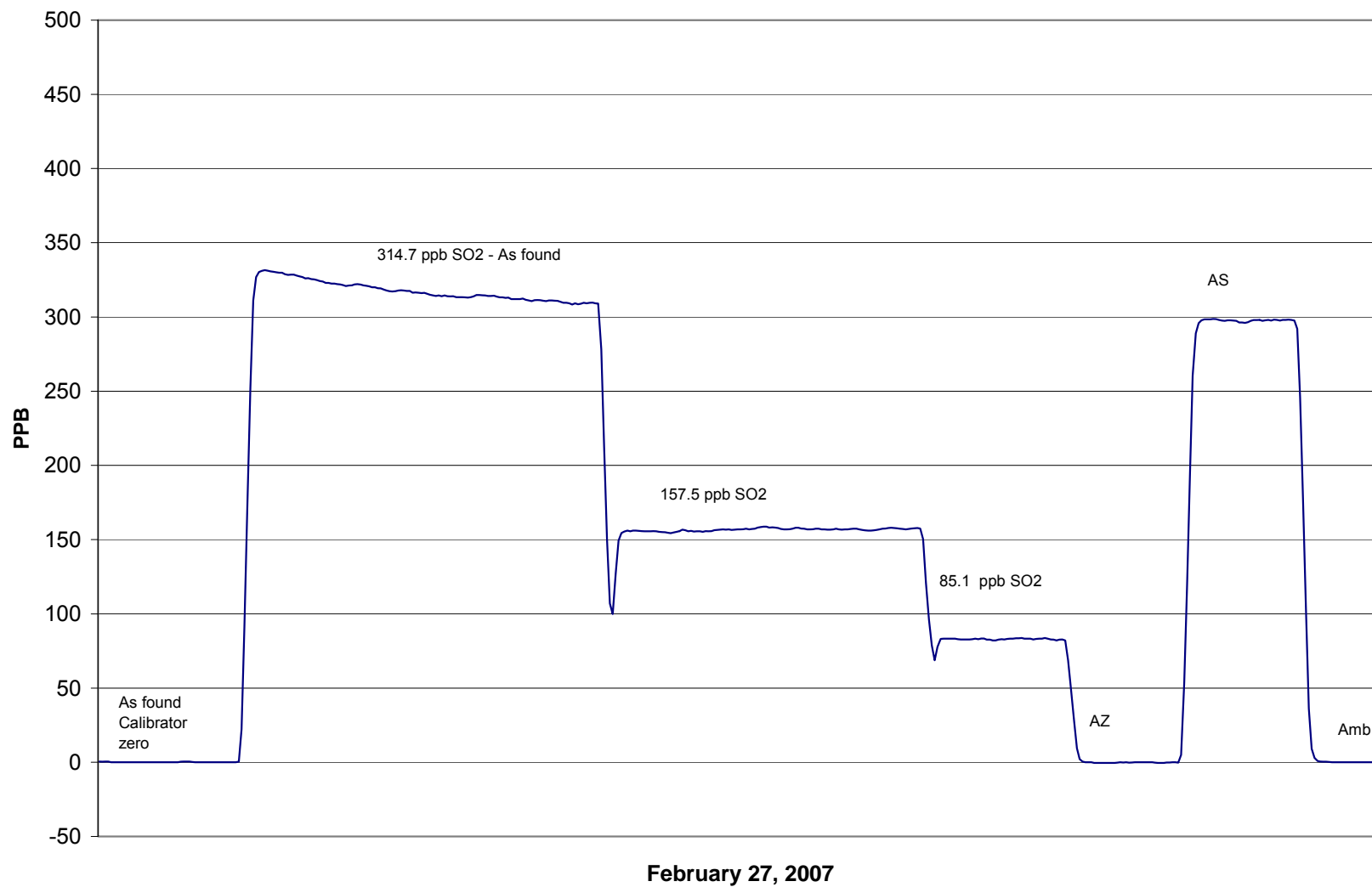
Calculated value of As Found Response: 308.983 ppm Percent Change of As Found: 1.8%

	before calibration		after calibration	
Auto zero	0.2	ppm	1.1	ppm
Auto span	288.2	ppm	296.5	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

SO2 Calibration



Calibration Summary

Parameter TRS
Air Monitoring Network PASZA

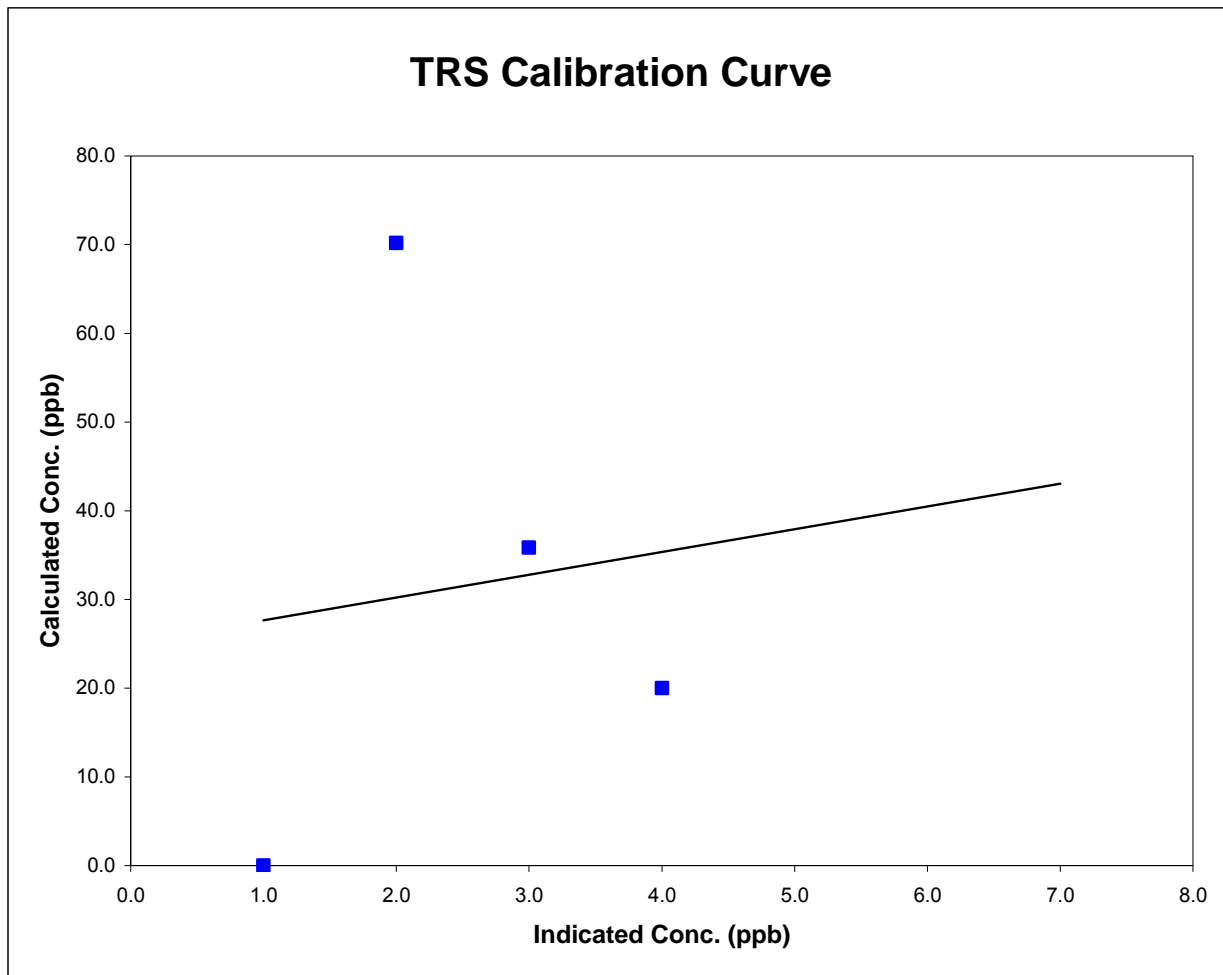


Station Information

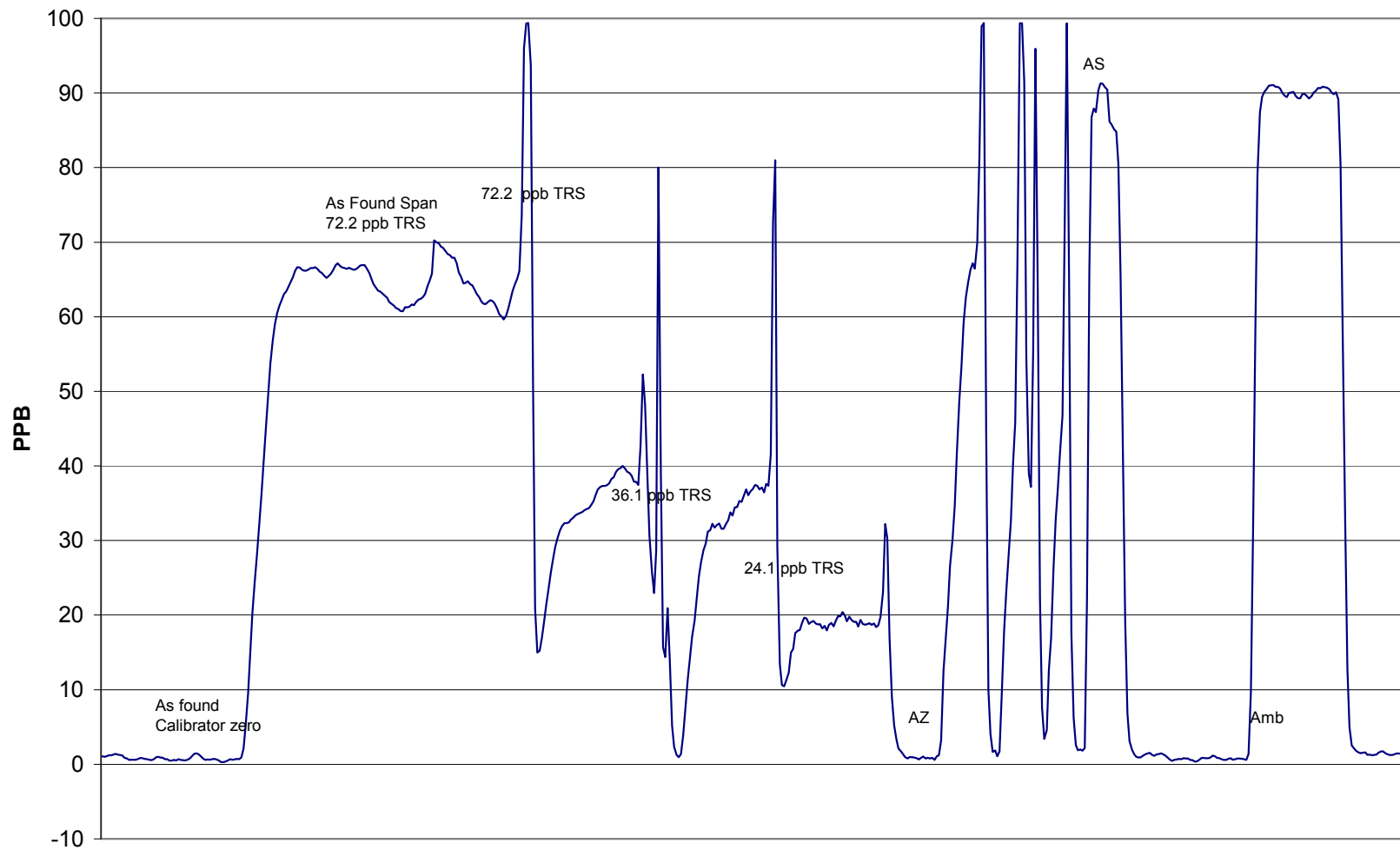
Calibration Date	February 27, 2007	Previous Calibration	January 23, 2007
Station Number	5	Station Location	Rover
Start Time (MST)	13:30	End Time (MST)	18:14
Analyzer make/model	TEI Model 43C APS1AB	Analyzer serial #	609716238

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0		N/A		
70.2			Correlation Coefficient	#DIV/0!
35.8				
20.0			Slope	#DIV/0!
			Intercept	#DIV/0!



TRS Calibration



February 27, 2007

Calibration Report

Parameter O3
 Air Monitoring Network PASZA



Station Information

Calibration Date	February 27, 2007	Previous Calibration	January 30, 2007
Station Number	6	Station Location	Rover
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
Other: <input type="text"/>			
Start Time (MST)	14:03	End Time (MST)	19:39
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
<u>Before</u>		<u>After</u>	
Calculated slope	0.999001	Calculated slope	0.998718
Calculated intercept	1.144721	Calculated intercept	-0.674834
Analyzer make	TEI 49C a3C1AB	Analyzer serial #	609716240

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	0.2		0.2	
slope	1.03		0.981	
Cell A	74470	mV	81600	mV
Cell B	74670	mV	81700	mV
Pressure	712	inches Hg	696.6	inches Hg
Cell A Flow	676	mL/min	673	mL/min
Cell B Flow	677	mL/min	672	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	279.1	280.2	0.9961
4996	0.00	184.8	185.1	0.9986
4996	0.00	84.0	86.0	0.9769
4996	0.00	0.0	0.1	As found zero
4996	0.00	279.1	291.9	As found span
Average Correction Factor				0.9905

Calculated value of As Found Response: 292.7 ppm Percent Change of As Found: 4.9%

	before calibration		after calibration	
Auto zero	1.8	ppb	0.9	ppb
Auto span	320.6	ppb	321.0	ppb

Notes: Adjusted span

Calibration Performed By: Dawn Ewan

Calibration Summary

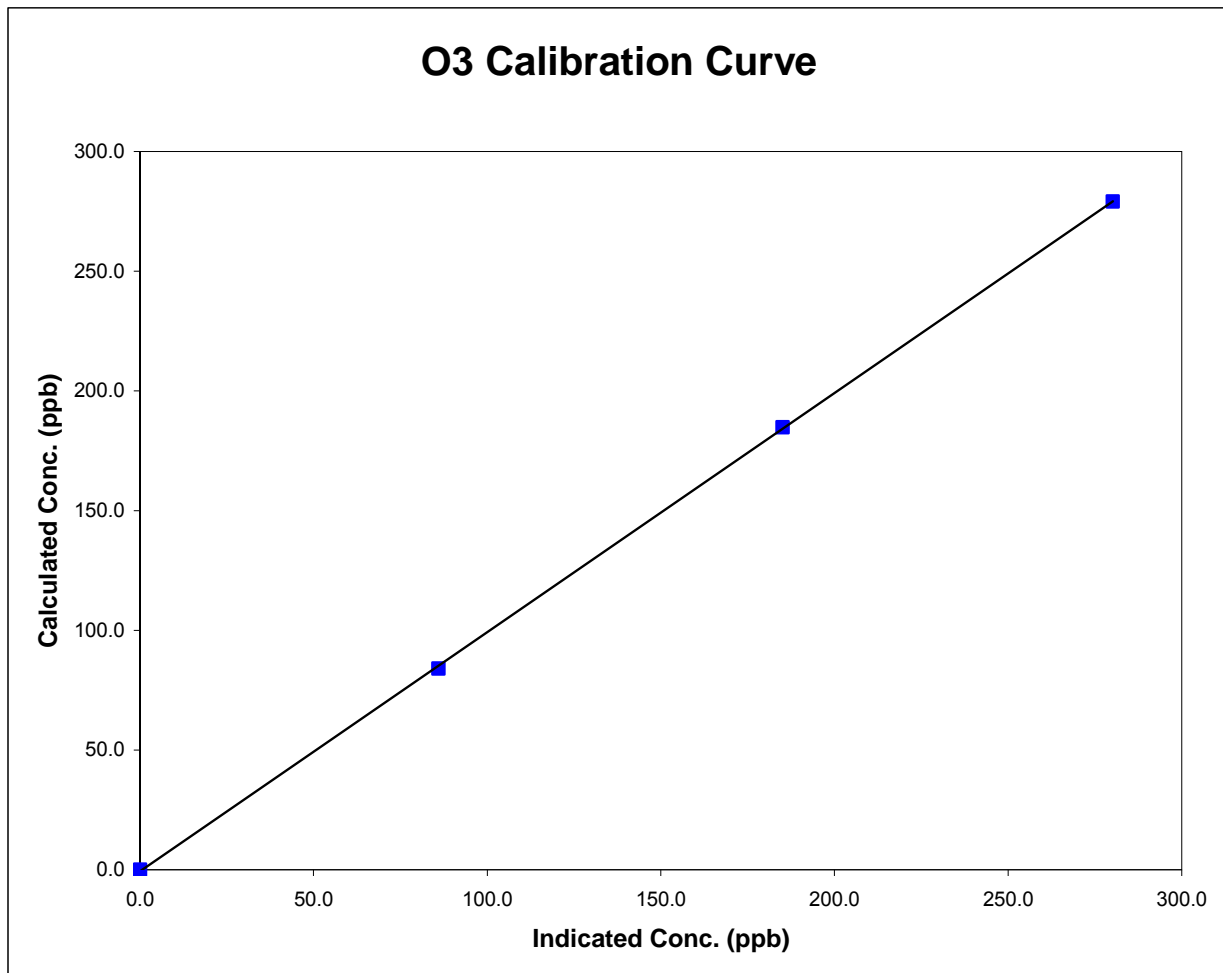
Parameter O3 Air Monitoring Network PASZA 

Station Information

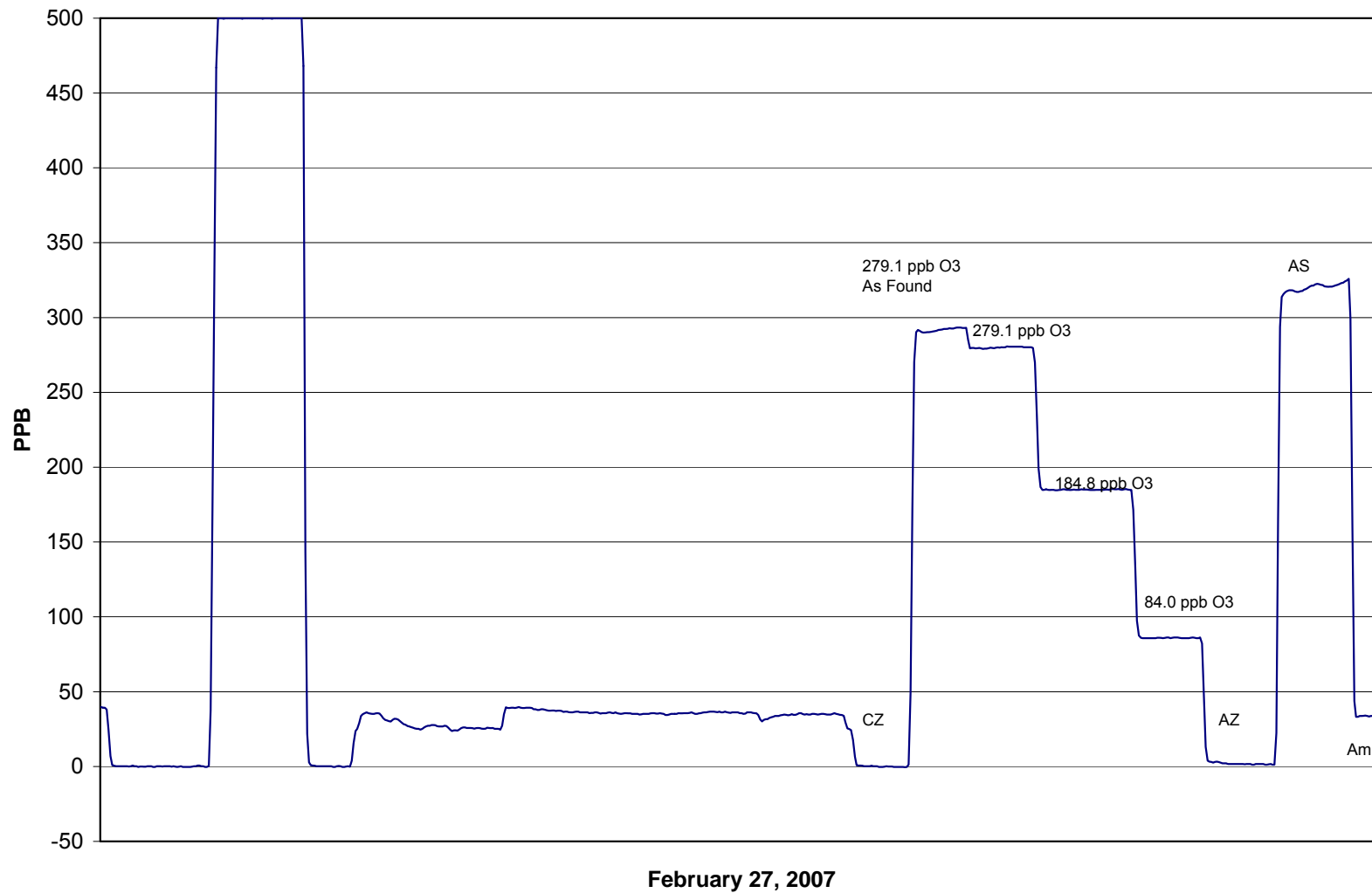
Calibration Date	February 27, 2007	Previous Calibration	January 30, 2007
Station Number	6	Station Location	Rover
Start Time (MST)	14:03	End Time (MST)	19:39
Analyzer make/model	TEI 49C a3C1AB	Analyzer serial #	609716240

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	NA		
279.1	280.2	0.9961	Correlation Coefficient	0.999949
184.8	185.1	0.9986		
84.0	86.0	0.9769	Slope	0.998718
			Intercept	-0.674834



O3 Calibration



Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	February 28, 2007	Previous Calibration	January 22, 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)	14:10	End Time (MST)	17:03
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	0.938202	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	0.936556	Calculated slope	1.001869
Calculated intercept	1.461111	Calculated intercept	1.894205
Analyzer make	Monitor Labs	Analyzer serial #	332

	before		after	
Concentration range	1000	ppb	1000	ppb
Sample Flow	300	ccm	300	ccm
Span Pot	170		70	
Zero Pot	334		346	
T1	98	%	100+	%
T2	39	%	39	%
T3	65	%	63	%

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	2439.3	0.0	-2.1	N/A
2600	2439.3	304.5	301.8	1.0089
4500	4221.9	175.9	174.1	1.0106
9325	8748.7	84.9	82.9	1.0243
zero	2345.5	0.0	4.9	As Found Zero
2500	2345.5	316.7	367.2	As Found Span
Average Correction Factor				1.0146

Calculated value of As Found Response: 340.802 ppm Percent Change of As Found: -7.6%

	before calibration		after calibration	
Auto zero	1.2	ppm	-0.8	ppm
Auto span	618.1	ppm	553.5	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
 Air Monitoring Network PASZA

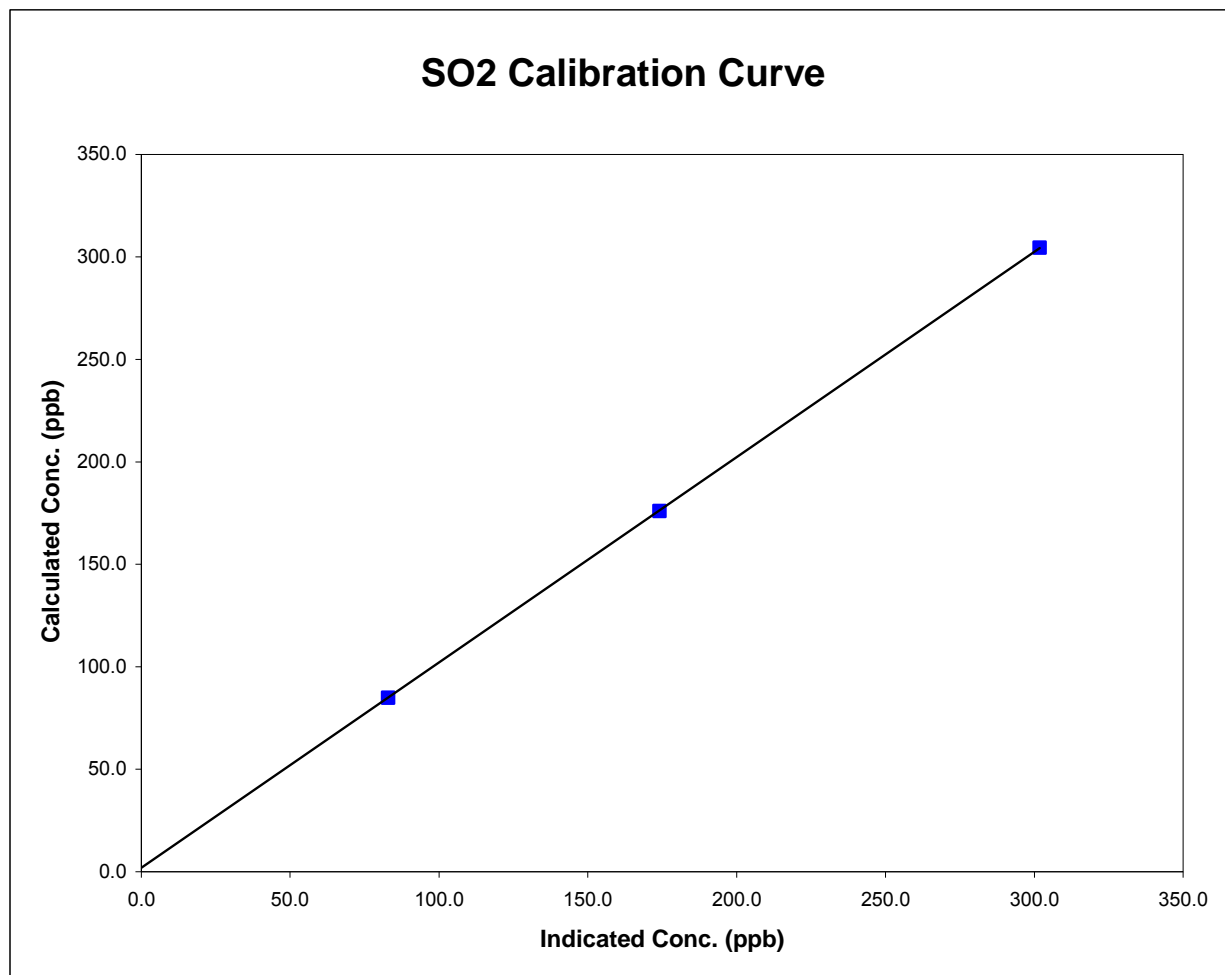


Station Information

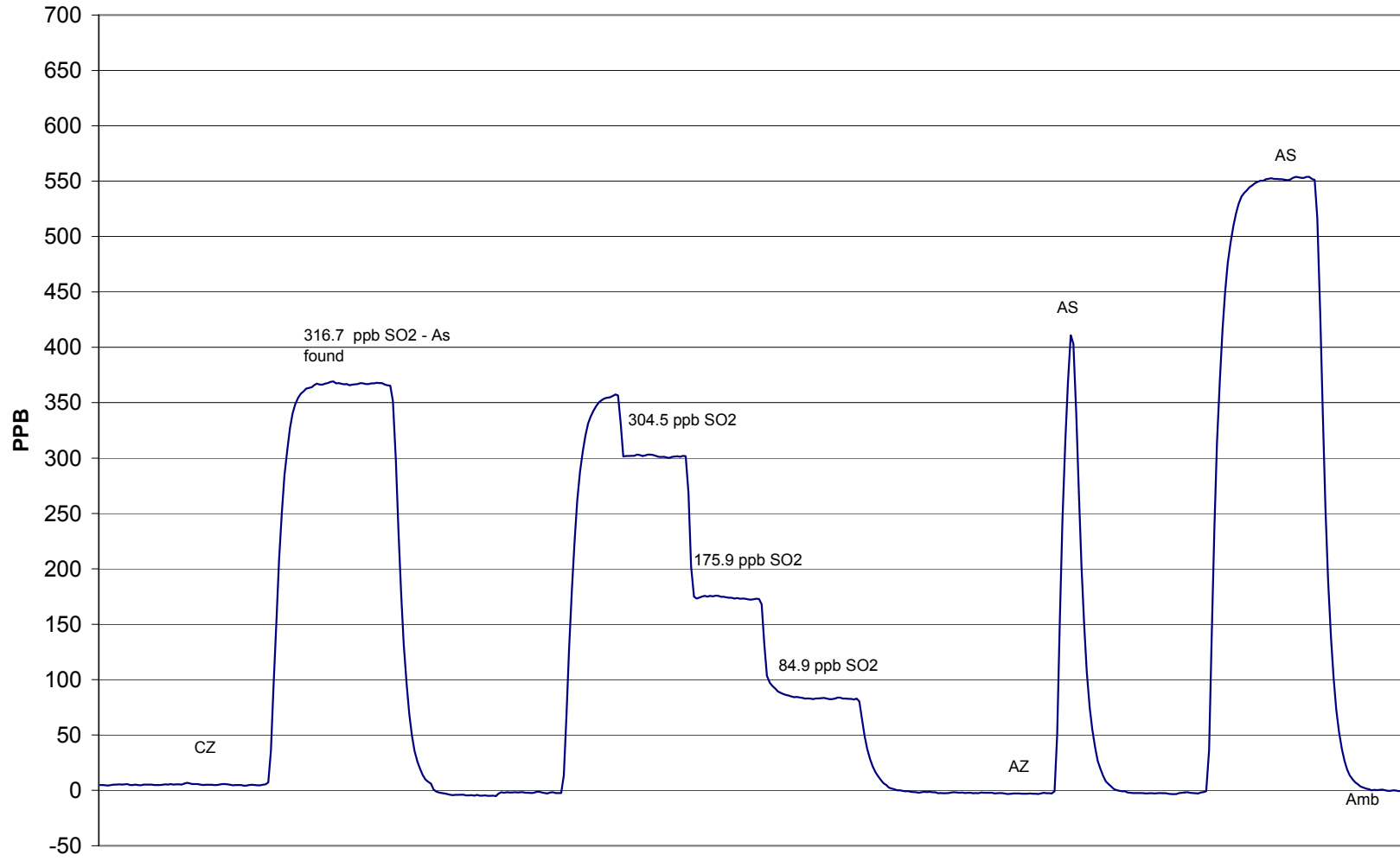
Calibration Date	February 28, 2007	Previous Calibration	January 22, 2007
Station Number	5	Station Location	Valleyview
Start Time (MST)	14:10	End Time (MST)	17:03
Analyzer make/model	Monitor Labs	Analyzer serial #	332

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-2.1	N/A		
304.5	301.8	1.0089	Correlation Coefficient	0.999996
175.9	174.1	1.0106		
84.9	82.9	1.0243	Slope	1.001869
			Intercept	1.894205



SO2 Calibration



February 28, 2007

Calibration ReportParameter H2SAir Monitoring Network PASZA**Station Information**

Calibration Date	February 28, 2007	Previous Calibration	January 22, 2007
Station Number	5	Station Location	Valleyview
Reason:	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Removal
		<input type="checkbox"/> Other:	
Start Time (MST)	12:45	End Time (MST)	17:03
Barometric Pressure	27.60 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	0.938202	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	0.978039	Calculated slope	0.992221
Calculated intercept	-0.650929	Calculated intercept	0.623503
Analyzer make	TECO 43C	Analyzer serial #	45C-57351-313

	before		after	
Concentration range	100	ppb	100	ppb
Background	37.4	ppb	35.1	ppb
coefficient	1.032		0.916	
Lamp Voltage	692	volts	696	volts
Chamber Temp	44.8	Deg C	44.5	Deg C
Pressure	633.5	mm Hg	628.5	mm Hg
Sample Flow	469	ccm	467	ccm
Lamp Intesity	45,600	mv	45,200	mv

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2439.3	0.0	-0.3	N/A
2600	2439.3	69.3	69.4	0.9978
4500	4221.9	40.0	39.4	1.0155
9325	8748.7	19.3	18.6	1.0396
zero	2345.5	0.0	0.9	As Found Zero
2500	2345.5	72.0	78.2	As Found Span
Average Correction Factor				1.0176

Calculated value of As Found Response: 74.94 ppm Percent Change of As Found: -4.0%

	before calibration		after calibration	
Auto zero	-0.4	ppm	0.1	ppm
Auto span	83.1	ppm	73.1	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter H2S

Air Monitoring Network PASZA



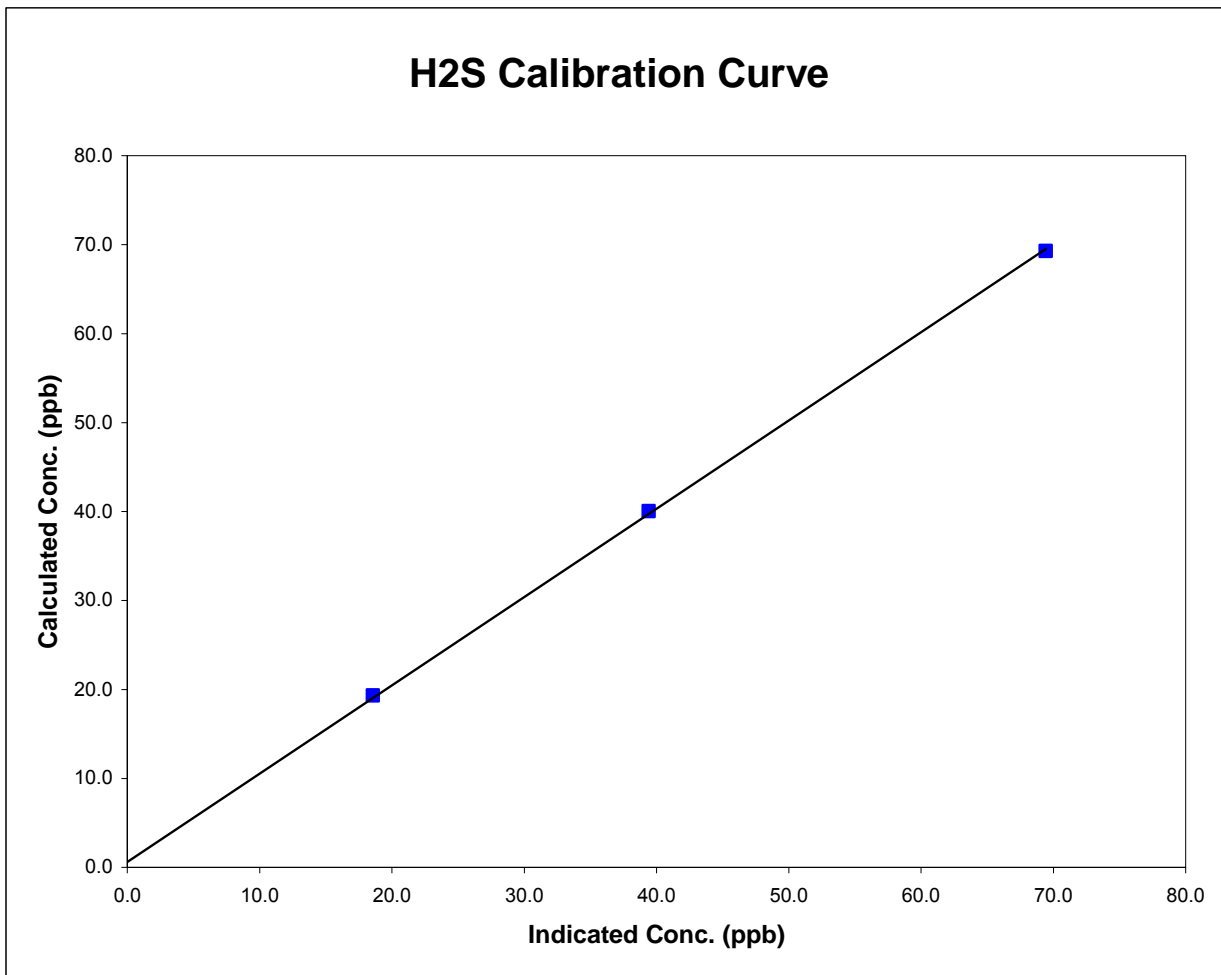
Station Information

Calibration Date	<u> February 28, 2007 </u>	Previous Calibration	<u> January 22, 2007 </u>
Station Number	<u> 5 </u>	Station Location	<u> Valleyview </u>
Start Time (MST)	<u> 12:45 </u>	End Time (MST)	<u> 17:03 </u>
Analyzer make/model	<u> TECO 43C </u>	Analyzer serial #	<u> 45C-57351-313 </u>

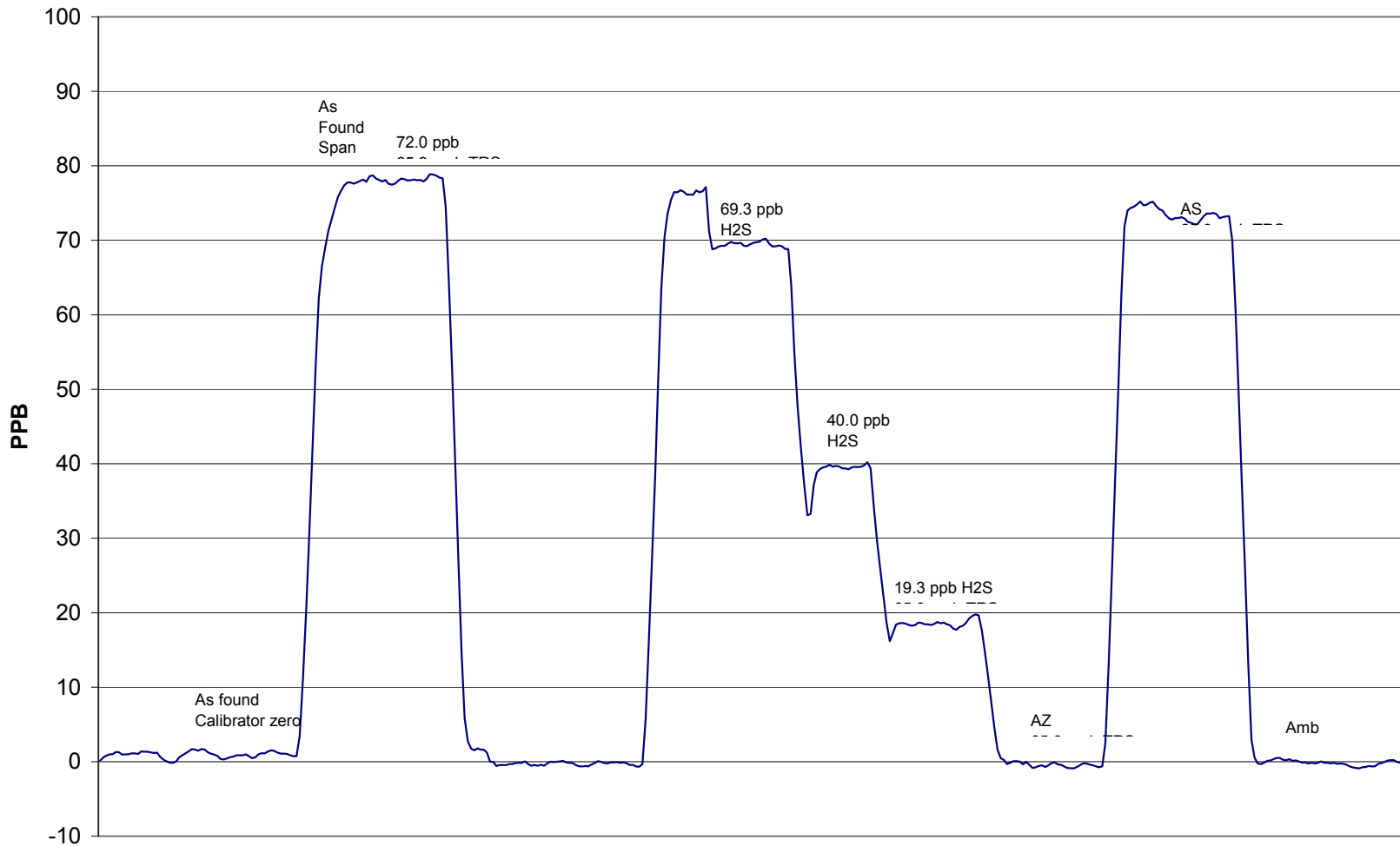
Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	N/A		
69.3	69.4	0.9978	Correlation Coefficient	0.999884
40.0	39.4	1.0155		
19.3	18.6	1.0396	Slope	0.992221
			Intercept	0.623503

H2S Calibration Curve



H2S Calibration



February 28, 2007