



Air Quality Monitoring Network for March 2007

Prepared by
FOCUS
 AMBIENT AIR MONITORING

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April 24, 2007

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

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

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

Henry Pirker Station:

- ◆ There were no spans on the THC analyzer on March 19th, 20th and 21st because the analyzer was not connected to the span cylinder.
- ◆ The TRS spans steadily increased up until the calibration on the 19th; the suspected reason was the pump and it was replaced on April 12th.
- ◆ The wind speed sensor had a total of thirteen (13) hours of invalid data due to the wind speed cups freezing on March 8th and 28th.
- ◆ On March 28th at 22:00 hour, the THC analyzer had an elevated reading of 7.2 ppm, the wind direction was from the east with a wind speed of 5.7 km/hr.
- ◆ All analyzers / sensors at the Henry Pirker station were above 90% uptime.
- ◆ The AQI for the month resulted in 700 hours of Good readings and 3 hours of Fair readings.

Evergreen Park Station:

- ◆ Two small power bumps (one on March 3rd and one on March 30th) resulted in the TEOM data being flagged invalid for one hour on each occasion.
- ◆ On March 8th the wind speed and wind direction sensor was frozen for two (2) hours.
- ◆ On March 12th TRS span jumped from 71 ppb to 105 ppb - reason unknown. A calibration was performed on March 14th to address the jump in spans. After calibration, spans began to decrease on March 19th a span response check was initiated (two hours were flagged maintenance) and spans stabilized for the rest of the month.
- ◆ All analyzers / sensors at the Evergreen Park station were above 90% uptime.

Smoky Heights Station:

- ◆ The wind speed sensor had a total of forty-four (44) hours of invalid data due to the wind speed cups freezing.
- ◆ All analyzers / sensors at the Smoky Heights station were above 90% uptime.

Beaverlodge Station:

- ◆ The wind speed sensor had a total of fourteen (14) hours of invalid data, and the wind direction had seven (7) hours of invalid data due to the wind cups freezing.
- ◆ All analyzers / sensors at the Beaverlodge station were above 90% uptime.
- ◆ The AQI for the month resulted in 671 hours of Good readings and 39 hours of Fair readings.

Portable - Falher Station:

- ◆ Start date for the NO_x, NO and NO₂ data will be April 1st as there were no zeros and spans for most of March (waiting for parts – NO₂ perm tube). . March 26th the NO₂ perm tube was installed in the NO_x analyzer however a new perm tube was ordered as the current perm tube did not have the appropriate perm rate.
- ◆ The wind speed and wind direction sensors were down for a total of one hundred and twenty-two (122) hours. This resulted is less than 90% uptime (Alberta Environment reference # 184110). The cause for the downtime is not clear but appears to be related to high humid conditions (such as freezing rain), in order to recover the power had to be reset to the sensor. On March 26th the sensor was rewired to try and remedy the situation.
- ◆ All analyzers / sensors (with the exception of the wind speed and wind direction) at the Falher station had an operational uptime of 100%.

Valleyview Station:

- ◆ Ten (10) hours of data were flagged invalid due to excessive baseline drift. The SO₂ data was reported to the nearest 0.01 ppm due to the condition of the analyzer (as of April 1st it will be reported in ppb). This analyzer was replaced on March 28th – the H₂S analyzer (TECO 43C) was converted to an SO₂ analyzer. The ML analyzer was removed from service and the TECO analyzer was installed – analyzer was allowed to stabilize overnight and installation calibration was performed on March 29th. Ten (10) hours were flagged out of service during this transition period.
- ◆ A new H₂S analyzer was installed (TECO 43I) on March 28th - analyzer was allowed to stabilize overnight and installation calibration was performed on March 29th. Ten (10) hours were flagged out of service during this transition period.
- ◆ All other analyzers / sensors at the Valleyview station had an operational uptime of 100%.

Passive Monitoring: 42 Stations throughout the PASZA zone:

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

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

- Monthly average concentrations for SO₂ passives ranged from 0.3 ppb to 0.8 ppb, with a mean of 0.6 ppb.
-

- Monthly average concentrations for NO₂ passives ranged from 0.4 ppb to 11.9 ppb, with a mean of 1.9 ppb.
- Monthly average concentrations for O₃ passives ranged from 34.3 ppb to 55.7 ppb, with a mean of 46.4 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

Air Monitoring Directive Non-Compliance Report

Alberta Environment
 Environmental Service Response Centre
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 4999 – 98th Avenue
 Edmonton, Alberta T6B 2X3
 Phone: (780) 422-4505
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Reference Number:	# 184110	Reported To (AENV Contact):	Bev Ashton
Date & Time Incident Reported to AENV:	March 20 th 2007 08:56	Reported By:	FOCUS - Sharon Whiteley
Reported on Behalf of:	PASZA	Approval Number (if applicable):	
Location(s) of Incident:	Falher – PASZA Rover Air Quality Monitoring station		
Start Date & Time of Incident:	March 13 @ 23:00 MST	End Date & Time of Incident:	March 17 th @ 11:00 MST
Reason or Nature of Incident:			
<p>In reviewing the data for the month of March it was found that the wind speed and direction sensor are less than 90% uptime (for a total of 84 hours) due to excessive humidity. The data indicated conditions that would be conducive to freezing rain. The sensor did not fully recover after this episode to operational status until a power reset re-initiated operations.</p>			
Immediate Actions Taken:			
<p>Power was reset to the sensor which re-started the operation of the sensor. The manufacturer was contacted to formulate ideas to prevent future occurrences of extensive flatline and/or explain the data indicated prior to the sensor failure.</p>			
Investigation Details:			
<p>Awaiting manufacturer response.</p>			
Actions Taken to Prevent Reoccurrence (if any):			
<p>This is episodic and intermittent in nature and thus is difficult to diagnose. One suspected cause is the wiring connector at the junction box mounted outside the station. This connector will be removed and the sensor wired to a terminal inside the junction box to aid in diagnostics and troubleshooting.</p>			
Additional Actions Required (if any):			
<p></p>			

PASZA Monthly Continuous Data Summary

Mar-2007		Peace Airshed Zone Association					Maximum Recorded Values							
							1-hr				24-hr / 8-hr			Operational Time (%)
							Pollutant (units)	Objectives		Station	Monthly Average	Exceedence		
1-hr	24-hr	1-hr	24-hr											
SO ₂ (ppb)	172	57	Henry Pirker	0.8	0	0	5.0	Mar-21 00:00	22.0	SW	1.8	Mar-01	100.0%	
SO ₂ (ppb)	172	57	Evergreen Park	0.5	0	0	4.6	Mar-06 11:00	5.1	NNE	1.4	Mar-05	100.0%	
SO ₂ (ppb)	172	57	Smoky Heights	0.8	0	0	8.5	Mar-21 23:00	34.9	SW	2.1	Mar-07	100.0%	
SO ₂ (ppb)	172	57	Beaverlodge	0.9	0	0	11.6	Mar-08 12:00	5.7	SE	2.2	Mar-01	100.0%	
SO ₂ (ppb)	172	57	Portable-Falher	0.7	0	0	13.6	Mar-02 19:00	23.8	SE	3.4	Mar-02	100.0%	
SO ₂ (ppm)	0.172	0.057	Valleyview	0.00	0	0	0.02	Mar-01 12:00	2.7	WNW	0.00	Mar-22	97.3%	
NO (ppb)			Henry Pirker	10.2	-	-	130.3	Mar-21 07:00	8.2	SSE	41.0	Mar-15	100.0%	
NO ₂ (ppb)	212	106	Henry Pirker	17.8	0	0	57.6	Mar-15 21:00	5.7	NNW	35.2	Mar-15	100.0%	
NO _x (ppb)			Henry Pirker	28.1	-	-	179.5	Mar-15 21:00	5.7	NNW	76.2	Mar-15	100.0%	
NO (ppb)			Beaverlodge	1.4	-	-	46.6	Mar-07 11:00	4.2	NNE	9.4	Mar-07	100.0%	
NO ₂ (ppb)	212	106	Beaverlodge	5.8	0	0	32.7	Mar-16 06:00	2.9	WSW	14.8	Mar-07	100.0%	
NO _x (ppb)			Beaverlodge	7.2	-	-	69.6	Mar-07 11:00	4.2	NNE	24.1	Mar-07	100.0%	
O ₃ (ppb)	82		Henry Pirker	22.2	0	-	56.1	Mar-30 16:00	13.8	WNW	41.8	Mar-22	100.0%	
O ₃ (ppb) - 8-hr		65	Henry Pirker			0					49.1	Mar-30		
O ₃ (ppb)	82		Beaverlodge	36.1	0	-	65.8	Mar-30 14:00	10.6	NNW	52.5	Mar-29	100.0%	
O ₃ (ppb) - 8-hr		65	Beaverlodge			0					59.7	Mar-29		
O ₃ (ppb)	82		Portable-Falher	34.7	0	-	54.3	Mar-30 15:00	2.6	NW	47.3	Mar-22	100.0%	
O ₃ (ppb) - 8-hr		65	Portable-Falher			0					52.5	Mar-30		
CO (ppm)	13		Henry Pirker	0.31	0	-	1.9	Mar-26 07:00	6.6	E	0.6	Mar-26	100.0%	
CO (ppm) - 8-hr		5	Henry Pirker			0					0.8	Mar-27		
THC (ppm)			Henry Pirker	2.22	-	-	7.2	Mar-28 21:00	5.7	E	2.7	Mar-28	100.0%	
TRS (ppb)			Henry Pirker	0.3	-	-	1.0	Mar-21 07:00	8.2	SSE	0.5	Mar-14	100.0%	
TRS (ppb)			Evergreen Park	0.8	-	-	5.8	Mar-30 06:00	2.6	NNW	1.7	Mar-15	99.7%	
TRS (ppb)			Smoky Heights	0.5	-	-	1.0	Mar-21 04:00	11.2	WSW	0.6	Mar-30	100.0%	
TRS (ppb)			Portable-Falher	0.6	-	-	1.8	Mar-15 03:00	N	N	0.9	Mar-15	100.0%	
H ₂ S (ppb)	10	3	Valleyview	0.2	0	0	0.8	Mar-09 14:00	5.6	NNE	0.4	Mar-16	98.7%	
PM _{2.5} (µg/m ³)		30 a	Henry Pirker	3.9	0	0	20.3	Mar-21 06:00	5.7	SW	9.5	Mar-29	99.7%	
PM _{2.5} (µg/m ³)		30 a	Evergreen Park	4.2	0	0	27.8	Mar-15 09:00	2.5	NW	10.0	Mar-30	99.5%	
PM _{2.5} (µg/m ³)		30 a	Smoky Heights	3.7	0	0	47.5	Mar-01 08:00	7.3	N	8.4	Mar-29	100.0%	
PM _{2.5} (µg/m ³)		30 a	Beaverlodge	3.0	0	0	16.4	Mar-20 16:00	28.2	W	8.1	Mar-30	100.0%	

PASZA Monthly Continuous Data Summary - continued

Mar-2007		Peace Airshed Zone Association					Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
RH (%)		Henry Pirker	68.7	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Beaverlodge	66.7	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Portable-Falher	75.6	-	-	-	-	-	-	-	-	-	100.0%
RH (%)		Valleyview	65.7	-	-	-	-	-	-	-	-	-	100.0%
SR (W/m ²)		Henry Pirker	93.5	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Henry Pirker	-5.1	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Evergreen Park	-5.0	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Smoky Heights	-5.6	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Beaverlodge	-4.7	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Portable-Falher	-6.5	-	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Valleyview	-3.7	-	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)		Henry Pirker	9.4	-	-	36.5	Mar-22 02:00	36.5	WSW	25.6	Mar-22	98.3%	
WSPD v (km/hr)		Evergreen Park	6.6	-	-	29.5	Mar-22 09:00	29.5	W	20.4	Mar-22	99.7%	
WSPD v (km/hr)		Smoky Heights	12.0	-	-	40.4	Mar-21 00:00	40.4	SW	26.0	Mar-22	94.1%	
WSPD v (km/hr)		Beaverlodge	7.2	-	-	37.2	Mar-22 13:00	37.2	W	27.9	Mar-22	98.1%	
WSPD v (km/hr)		Portable-Falher	13.2	-	-	36.5	Mar-22 04:00	36.5	W	23.8	Mar-19	83.6%	
WSPD v (km/hr)		Valleyview	7.0	-	-	25.5	Mar-30 20:00	25.5	NW	9.2	Mar-28	100.0%	
WSPD s (km/hr)		Henry Pirker	10.1	-	-	36.5	Mar-22 02:00	36.5	WSW	25.8	Mar-22	98.3%	
WSPD s (km/hr)		Evergreen Park	7.1	-	-	29.7	Mar-22 09:00	29.7	W	20.7	Mar-22	99.7%	
WSPD s (km/hr)		Smoky Heights	12.3	-	-	40.4	Mar-21 00:00	40.4	SW	26.2	Mar-22	94.1%	
WSPD s (km/hr)		Beaverlodge	7.6	-	-	37.3	Mar-22 13:00	37.3	W	28.1	Mar-22	98.1%	
WSPD s (km/hr)		Portable-Falher	13.5	-	-	36.6	Mar-22 04:00	36.6	W	24.1	Mar-19	83.6%	
WSPD s (km/hr)		Valleyview	7.4	-	-	25.7	Mar-30 20:00	25.7	NW	11.3	Mar-22	100.0%	
WDIR		Henry Pirker	WNW	-	-	-	-	-	-	-	-	100.0%	
WDIR		Evergreen Park	WNW	-	-	-	-	-	-	-	-	99.7%	
WDIR		Smoky Heights	NW	-	-	-	-	-	-	-	-	100.0%	
WDIR		Beaverlodge	WNW	-	-	-	-	-	-	-	-	99.1%	
WDIR		Portable-Falher	ESE	-	-	-	-	-	-	-	-	83.6%	
WDIR		Valleyview	WNW	-	-	-	-	-	-	-	-	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 March 6th (CO), March 19th (NO_x, TRS, SO₂, and O₃) and March 21st (THC).

Parameter	Make	Model	Notes
SO ₂	TECO	43	No operational problems observed.
NO _x /NO/NO ₂	TECO	42C	A NO _x calibration was started on March 6 th but a new pump was needed to purge cylinder properly, so the calibration was stopped and a full calibration was performed and completed on March 19 th . No other operational problems observed.
O ₃	API	400	No operational problems observed.
CO	TECO	48C	No operational problems observed.
THC	TEI	51-CLT	No spans on March 19 th , 20 th and 21 st due to span cylinder not connected.
TRS	TEI	42C	The TRS spans steadily increased to calibration on 19 th suspected reason was the pump and it was replaced April 12th.
PM _{2.5}	R&P	1400AB	Two (2) hours were removed due to baseline drift.
RH	Met One	083D	No operational problems observed.
AT	Met One	083D	No operational problems observed.
SR	Met One	096-1	No operational problems observed.
WS	Met One	010C	The wind speed sensor had a total of a total of thirteen (13) hours of invalid data due to the wind speed cups freezing on March 8 th and 28 th .
WD	Met One	020C	No operational problems observed.

PASZA – Evergreen Park Station

General Station Issues

Calibrations were performed on March 14th, (SO₂, TRS and PM_{2.5}).

Parameter	Make	Model	Notes
SO ₂	API	100	No operational problems observed.
TRS	TEI	42C	On March 12 th TRS span jumped from 71 ppb to 105 ppb - reason unknown. A calibration was performed on March 14 th to address the jump in spans. After calibration spans began to decrease on March 19 th a span response check was initiated (two hours were flagged maintenance) and spans stabilized for the rest of the month.
PM _{2.5}	R&P	1400AB	Two small power bumps (March 3 rd and March 30 th) resulted in one (1) hour of invalid data. Two (2) hours were removed due to baseline drift.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	The wind speed sensor had two (2) hours of invalid data due to the wind speed cups freezing on March 8 th .
WD	Met One	020C	The wind direction sensor had two (2) hours of invalid data due to the wind direction cups freezing on March 8 th .

PASZA – Smoky Heights Station

General Station Issues

Calibrations were performed on March 8th (SO₂, TRS and PM_{2.5}).

Parameter	Make	Model	Notes
SO ₂	API	100A	No operational problems observed.
TRS	TEI	42C	No operational problems observed.
PM _{2.5}	R&P	1400AB	No operational problems observed.
AT	Met One	083D	No operational problems observed.
WS	Met One	010C	The wind speed sensor had a total of a total of forty –four (44) hours of invalid data due to the wind speed cups freezing on March 8 th , 10 th , 11 th , 12 th and 25 th .
WD	Met One	020C	No operational problems observed.

PASZA – Beaverlodge Station

General Station Issues

Calibrations were performed on March 20th (NO_x, 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	No operational problems observed.
AT	n/a	n/a	No operational problems observed.
RH	n/a	n/a	No operational problems observed.
WS	Blue Sky	857	The wind speed sensor had a total of fourteen (14) hours of invalid data due to the wind cups freezing.
WD	Blue Sky	857	The the wind direction sensor had seven (7) hours of invalid data due to the wind cups freezing.

PASZA – Falher (Portable) Station

General Station Issues

Calibrations were performed on March 2nd (SO₂), March 8th (TRS, NO_x and O₃). Maintenance on March 26th to rewire the wind sensors.

Parameter	Make	Model	Notes
SO ₂	TEI	43C	No operational problems observed.
NO _x /NO/NO ₂	TECO	43C	Data collection did not begin this month, continuing to wait for parts to complete installation (NO ₂ perm tube). A perm tube arrived March 26 th and was installed however had the wrong perm rate – a new perm tube has been ordered.
TRS	TEI	43C	SO ₂ scrubber on the TRS analyzer was replaced.
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		The wind speed was down for a total of one hundred and twenty-two (122) hours. This resulted in less than 90% uptime (Alberta Environment reference # 184110). The cause for the downtime is not clear but appears to be related to high humid conditions (such as freezing rain), however in order to recover the power has to be reset to the sensor. On March 26 th the sensor was rewired to try and remedy the situation.
WD	Gill Met Pak 3		The wind direction was down for a total of one hundred and twenty-two (122) hours. This resulted in less than 90% uptime (Alberta Environment reference # 184110). The cause for the downtime is not clear but appears to be related to high humid conditions (such as freezing rain), however in order to recover the power has to be reset to the sensor. On March 26 th the sensor was rewired to try and remedy the situation.

PASZA – Valleyview Station

General Station Issues

Calibrations were performed on March 28th (removal) and March 29th (installation) for SO₂ and H₂S.

Parameter	Make	Model	Notes
SO ₂	ML	332	Ten (10) hours of data were flagged invalid due to excessive baseline drift. This analyzer was replaced on March 28 th – the H ₂ S analyzer (TECO 43C) was converted to an SO ₂ analyzer. The ML analyzer was removed from service and the TECO analyzer was installed – analyzer was allowed to stabilize overnight and installation calibration was performed on March 29 th . Ten (10) hours were flagged out of service during this transition period.
H ₂ S	TEI	43C	A new H ₂ S analyzer was installed (TECO 43I) on March 28 th - analyzer was allowed to stabilize overnight and installation calibration was performed on March 29 th . Ten (10) hours were flagged out of service during this transition period.
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: March 1, 2007 to April 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:	700
Number of 1-hr Fair Readings:	3
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day Mountain Standard Time

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

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

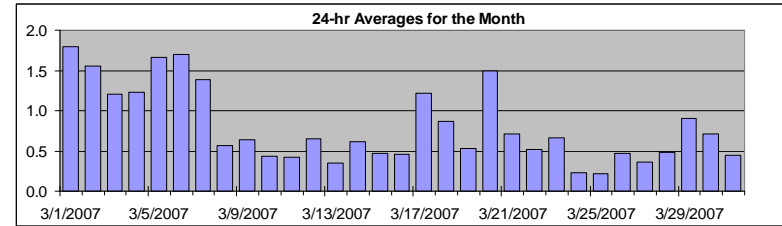
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	5.0 ppb 22-Mar 0:00 1:00
Maximum 24-hr Average:	1.8 ppb 1-Mar

AIC Time:	33 hrs	Operational Time:	708 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.2	2.1	1.1	0.6	0.3	0.2	0.1	0.8 ppb	0.6 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	3	3	2	2	1	1	1	1	A	1	1	1	2	2	2	2	3	2	2	1	2	2	2	1.8	3.1	
2-Mar-07	1	2	1	1	1	1	2	A	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1.6	2.2		
3-Mar-07	2	2	1	1	1	1	A	1	2	2	2	2	1	2	1	1	0	0	0	1	1	1	1.2	1.9		
4-Mar-07	1	1	1	2	1	A	2	2	1	1	3	3	2	2	2	1	0	1	1	0	0	1	1.2	3.2		
5-Mar-07	1	1	2	1	A	2	2	2	1	1	2	1	1	1	1	1	2	2	3	2	3	2	1.7	3.2		
6-Mar-07	4	2	4	A	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1.7	4.1		
7-Mar-07	2	1	1	1	1	A	1	1	2	2	2	2	2	2	2	2	2	1	1	1	0	0	1.4	2.4		
8-Mar-07	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.6	1.5		
9-Mar-07	1	2	1	A	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0.6	1.7		
10-Mar-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4	1.2		
11-Mar-07	0	A	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.4	1.0		
12-Mar-07	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.6	1.4		
13-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	A	0.4	0.8		
14-Mar-07	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	A	0.6	1.2		
15-Mar-07	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	0	1	0	A	1	0.5	0.9		
16-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	A	1	1	1	0.5	1.0		
17-Mar-07	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	A	1	1	1	1.2	2.0		
18-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	A	1	0	0	0	0.9	2.0		
19-Mar-07	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	C	C	C	A	0	1	1	0.5	1.3		
20-Mar-07	1	1	1	1	1	A	1	1	3	4	3	1	2	4	3	1	1	1	1	1	1	1	1.5	4.4		
21-Mar-07	1	1	1	1	A	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.7	1.8		
22-Mar-07	5	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5.0		
23-Mar-07	0	0	0	0	A	0	1	1	2	1	1	1	0	0	1	1	1	1	0	0	0	0	0.7	1.9		
24-Mar-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4		
25-Mar-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4		
26-Mar-07	0	A	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0.5	1.2		
27-Mar-07	A	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.9		
28-Mar-07	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	0.5	1.0		
29-Mar-07	1	1	1	0	1	0	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	A	0.9	2.4		
30-Mar-07	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	0	0	A	0	0.7	1.9		
31-Mar-07	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	A	0	1	0.4	0.8		
Hourly Avg	0.9	0.7	0.7	0.6	0.6	0.7	0.8	0.8	0.8	1.0	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.7			
Hourly Max	5.0	2.5	3.9	2.0	2.4	3.4	2.4	1.9	2.5	4.4	3.2	2.8	2.5	3.6	2.8	2.1	2.3	2.9	3.2	1.8	3.1	2.2	1.7	2.8		

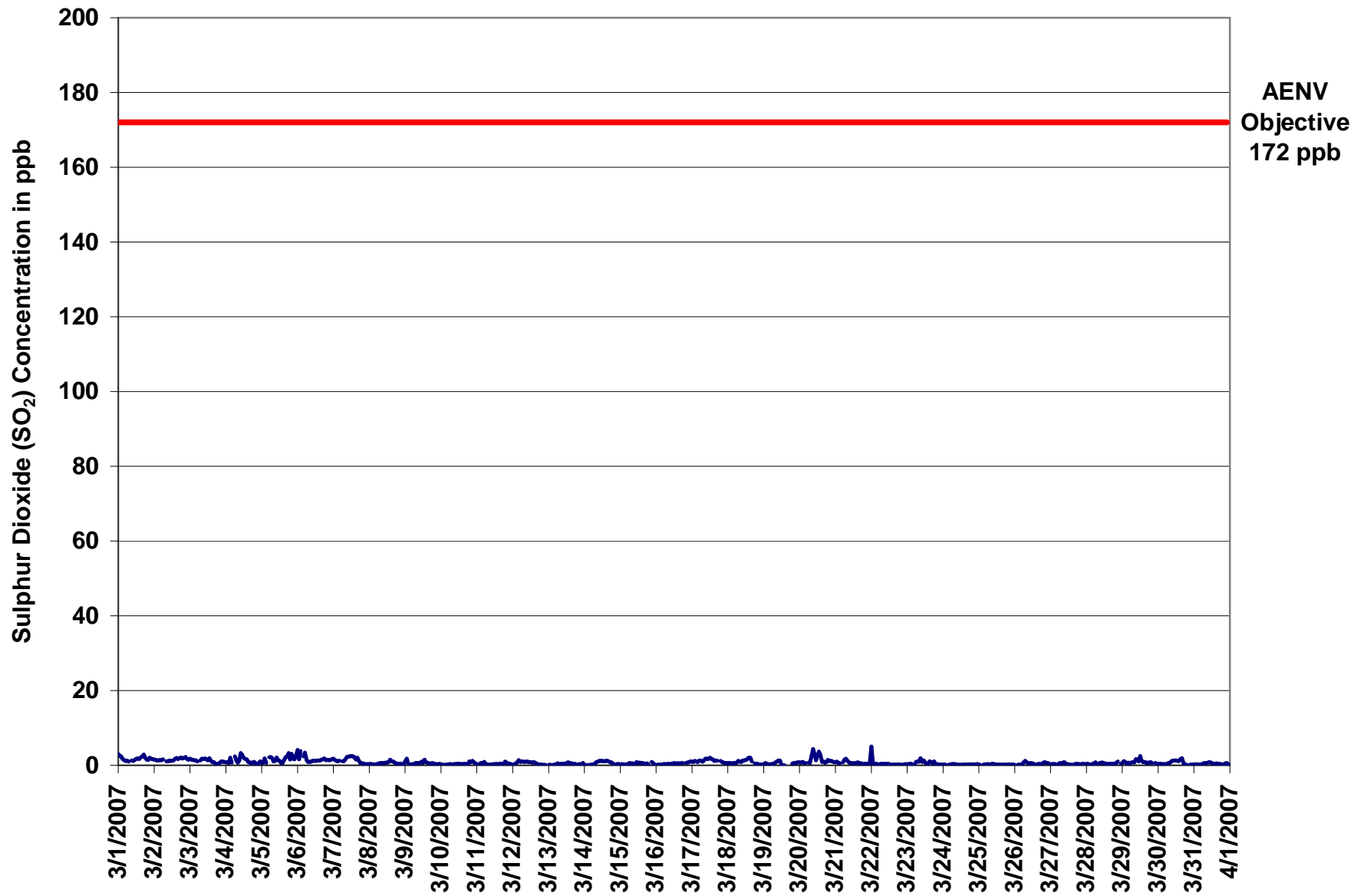


Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

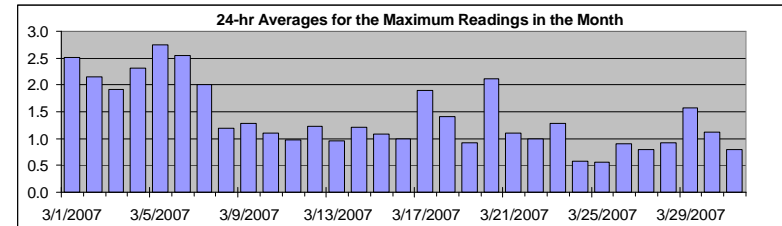
Sulphur Dioxide (SO₂)

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

Summary

Maximum 1-hr Value:	8.4	ppb	22-Mar	0:00 1:00
Maximum 24-hr Value:	2.7	ppb	5-Mar	

AIC Time:	33 hrs	Operational Time:	708 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.8	3.0	1.7	1.1	0.8	0.5	0.4	1.4 ppb	1.1 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Mar-07	4	3	3	3	2	2	2	2	A	2	2	2	2	2	2	3	3	4	3	2	2	3	2	2	2.5	4.3
2-Mar-07	2	2	2	2	2	2	2	A	2	2	2	2	2	2	2	3	2	3	3	3	3	3	2	2	2.1	2.8
3-Mar-07	2	2	2	2	2	2	A	2	3	3	2	2	2	4	2	2	1	1	1	1	2	2	2	1	1.9	3.8
4-Mar-07	1	2	1	5	3	A	4	3	1	4	4	4	3	2	2	2	2	1	2	2	1	1	1	2	2.3	4.8
5-Mar-07	1	1	3	2	A	3	3	3	2	2	3	2	2	1	1	3	3	3	4	3	7	2	2	6	2.7	6.8
6-Mar-07	5	5	6	A	3	4	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.6	6.0
7-Mar-07	2	2	2	2	2	A	2	2	2	3	3	3	3	3	3	2	3	2	2	1	1	1	1	1	2.0	3.2
8-Mar-07	1	1	1	1	A	1	1	1	1	1	1	2	1	1	2	1	2	1	1	1	1	1	1	1	1.2	2.1
9-Mar-07	2	3	1	A	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1.3	3.4
10-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1.1	2.4
11-Mar-07	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.0	1.5
12-Mar-07	A	1	1	2	2	1	1	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1.2	2.1
13-Mar-07	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	A	1	1.0	1.5
14-Mar-07	1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	A	1	1	1.2	2.1
15-Mar-07	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	A	2	1	1	1.1	1.5
16-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	2	1.0	1.5
17-Mar-07	2	2	2	2	2	2	2	2	2	2	2	2	4	3	2	2	2	2	A	2	2	1	1	1	1.9	3.9
18-Mar-07	1	1	1	1	1	1	1	2	2	1	2	2	2	2	3	3	2	A	1	1	1	0	0	0	1.4	2.7
19-Mar-07	1	1	1	1	0	1	1	1	1	2	2	2	1	0	0	C	C	C	A	1	1	1	1	1	0.9	1.7
20-Mar-07	1	1	1	1	1	A	1	1	5	5	5	2	4	4	3	2	1	1	2	2	1	2	1	1	2.1	4.7
21-Mar-07	1	1	1	1	A	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.3
22-Mar-07	8	1	1	1	1	A	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1.0	8.4
23-Mar-07	1	1	1	1	A	1	2	2	2	3	2	2	2	1	1	2	1	1	3	1	1	1	1	1	1.3	3.0
24-Mar-07	1	1	1	A	0	1	1	1	1	1	0	0	0	1	1	1	0	1	1	0	1	1	1	1	0.6	0.8
25-Mar-07	1	0	A	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	0.6	0.7
26-Mar-07	0	A	0	0	0	1	2	2	1	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	0.9	1.8
27-Mar-07	A	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	A	0.8	1.5
28-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	0.9	2.0
29-Mar-07	1	1	1	1	1	1	1	1	1	3	3	1	5	3	2	3	1	1	1	1	1	A	1	1	1.6	5.2
30-Mar-07	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	1	0	A	0	1	1	1.1	2.4
31-Mar-07	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.8	1.2
Hourly Avg	1.6	1.4	1.3	1.2	1.1	1.2	1.4	1.4	1.4	1.6	1.7	1.5	1.7	1.6	1.4	1.5	1.4	1.3	1.3	1.3	1.3	1.2	1.1	1.2		
Hourly Max	8.4	5.2	6.0	4.8	3.1	4.3	4.0	3.0	4.7	4.7	4.5	4.0	5.2	3.9	3.3	3.0	3.4	4.3	4.5	3.0	6.8	2.8	2.4	5.6		

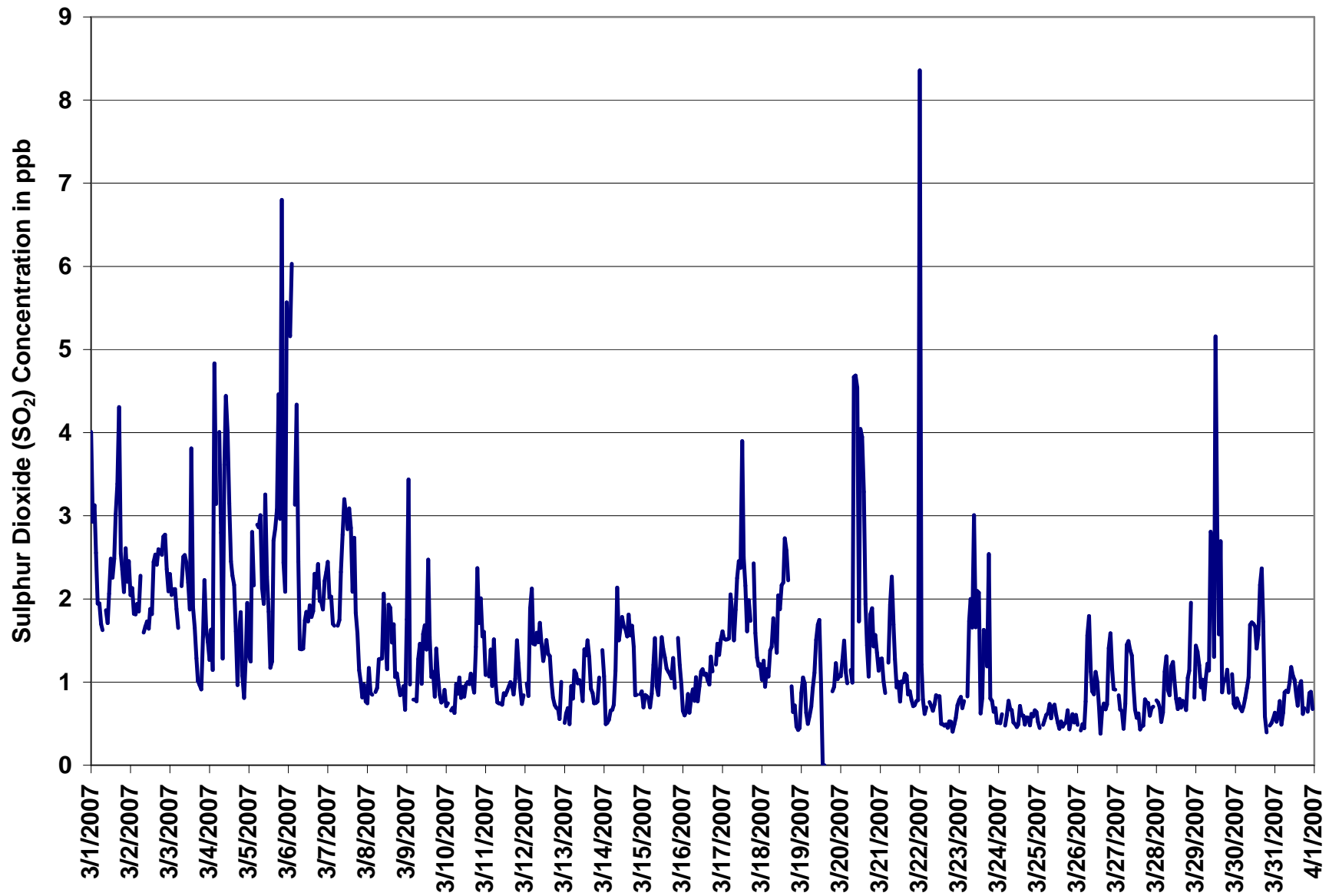
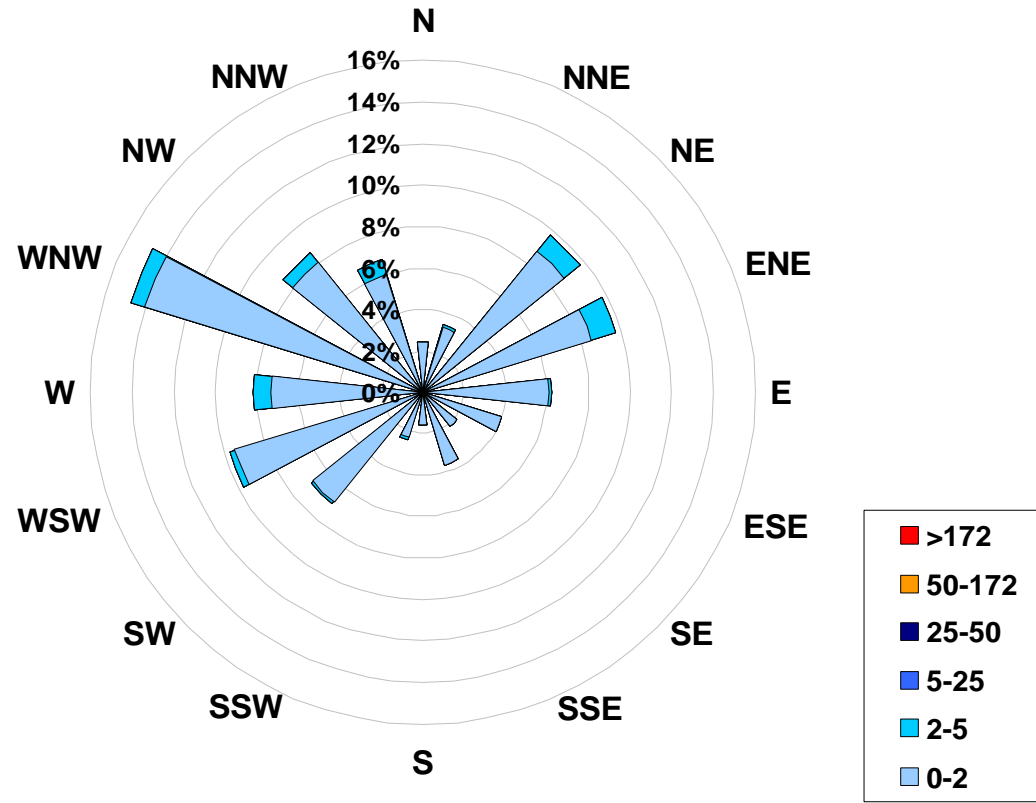


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range			Frequency (hrs)
0.0	<	2	666
2	to	5	42
5	to	25	0
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			708

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

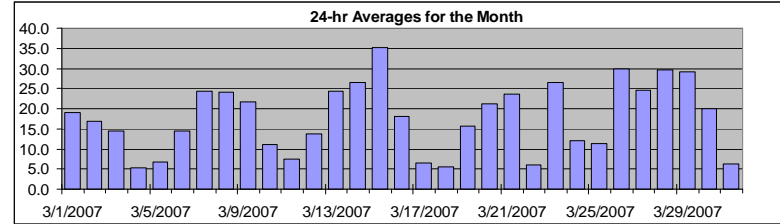
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	57.6 ppb	15-Mar	21:00	22:00
Maximum 24-hr Average:	35.2 ppb	15-Mar		

AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	51.2	43.4	26.7	14.4	6.7	3.5	2.2	17.8 ppb	14.4 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00		
1-Mar-07	14	14	22	30	26	25	33	32	A	19	11	9	10	9	8	9	10	25	38	39	31	15	5	5	19.1	39.4
2-Mar-07	4	4	5	5	7	21	45	A	24	13	8	16	16	13	12	12	11	14	14	28	23	27	35	28	16.8	44.6
3-Mar-07	31	23	21	20	26	24	A	35	38	18	12	9	7	5	4	4	5	6	8	10	8	7	7	6	14.5	37.7
4-Mar-07	5	6	5	5	4	A	6	6	6	5	5	4	3	3	4	5	5	7	7	8	7	6	6	6	5.3	7.5
5-Mar-07	5	5	5	4	A	6	7	10	8	5	6	6	5	4	5	6	6	7	11	13	10	8	7	6	6.7	13.1
6-Mar-07	6	5	5	A	8	9	12	13	12	9	C	C	C	C	C	16	20	18	19	21	26	24	20	18	14.5	25.8
7-Mar-07	20	28	31	31	32	A	27	28	24	14	13	20	21	26	32	31	22	11	8	19	41	31	22	27	24.4	40.8
8-Mar-07	36	39	17	6	A	33	35	39	38	34	12	10	7	7	9	19	31	27	25	36	46	27	16	24.1	46.4	
9-Mar-07	20	23	11	A	15	17	34	42	41	21	23	42	27	24	15	14	18	16	10	30	20	13	14	7	21.6	42.5
10-Mar-07	7	5	A	8	13	16	31	27	15	18	12	11	10	8	7	9	8	7	8	8	6	7	6	8	11.1	31.2
11-Mar-07	7	A	7	6	6	5	4	4	5	5	6	6	5	7	8	11	10	15	13	6	6	9	11	9	7.5	14.6
12-Mar-07	A	14	10	7	6	13	8	7	13	18	12	9	11	9	16	14	18	15	16	29	25	18	15	A	13.7	29.2
13-Mar-07	13	11	9	10	36	26	51	43	36	26	19	7	15	13	12	10	19	32	20	23	32	46	A	47	24.2	51.3
14-Mar-07	34	31	27	29	25	31	26	39	48	47	42	32	14	6	5	7	11	16	19	23	34	A	36	30	26.6	47.7
15-Mar-07	23	26	27	23	31	34	36	36	31	26	26	40	31	35	37	39	28	31	49	49	A	58	52	43	35.2	57.6
16-Mar-07	37	35	36	38	29	28	28	23	22	18	12	9	7	6	7	7	8	9	10	A	15	13	11	10	18.1	38.1
17-Mar-07	16	15	12	15	15	7	7	6	5	4	3	3	3	3	3	3	4	5	A	5	4	3	3	2	6.4	15.9
18-Mar-07	3	3	3	3	7	8	15	15	7	3	2	2	2	3	2	5	5	A	9	8	8	6	4	4	5.5	15.4
19-Mar-07	4	4	4	5	6	9	C	C	C	C	C	C	9	18	15	17	16	17	24	28	29	27	26	24	15.6	29.5
20-Mar-07	23	31	31	21	17	A	24	30	22	15	19	24	26	29	28	16	15	14	15	10	10	11	24	32	21.2	32.2
21-Mar-07	37	38	34	28	A	32	41	47	47	36	21	13	6	12	19	30	28	16	11	14	19	4	5	5	23.7	47.4
22-Mar-07	4	2	2	2	4	A	7	8	7	5	5	5	5	5	4	4	5	5	6	5	5	8	16	20	6.1	20.5
23-Mar-07	18	37	48	47	A	38	37	23	26	28	15	19	13	8	19	49	52	35	28	22	27	10	7	5	26.5	52.0
24-Mar-07	5	4	4	A	6	28	38	25	18	14	10	8	4	9	9	12	13	13	10	12	5	9	10	11	12.1	37.6
25-Mar-07	12	7	A	9	13	24	19	19	10	12	8	3	4	4	4	5	5	7	8	18	16	12	17	28	11.4	28.5
26-Mar-07	16	A	21	26	29	40	50	51	27	12	18	19	21	16	3	10	20	22	36	51	52	50	49	49	30.0	51.7
27-Mar-07	A	45	42	40	33	31	44	33	30	34	14	6	3	5	5	4	8	7	10	21	38	44	45	A	24.6	45.4
28-Mar-07	44	42	38	38	37	39	38	31	26	29	32	24	8	8	10	13	16	15	25	42	48	52	A	24	29.6	51.6
29-Mar-07	24	15	18	18	22	25	38	42	24	29	30	33	16	17	24	24	27	33	32	32	48	A	52	48	29.2	51.9
30-Mar-07	38	41	27	26	19	40	44	39	31	22	20	20	15	16	13	11	9	5	4	3	A	7	5	3	19.9	44.3
31-Mar-07	4	4	4	6	12	16	21	18	9	5	3	3	2	2	2	2	5	5	5	A	6	4	2	2	6.2	21.2
Hourly Avg	17.6	19.2	18.1	18.1	17.9	23.1	27.9	26.7	22.4	18.1	14.4	14.2	10.9	11.1	11.3	13.2	14.4	15.3	16.7	20.7	21.8	19.8	18.6	18.2		
Hourly Max	44.2	45.2	47.6	47.0	36.9	40.3	51.3	51.2	47.7	47.2	42.1	41.8	30.8	34.9	36.9	48.5	52.0	34.9	49.4	50.6	51.7	57.6	52.0	48.5		

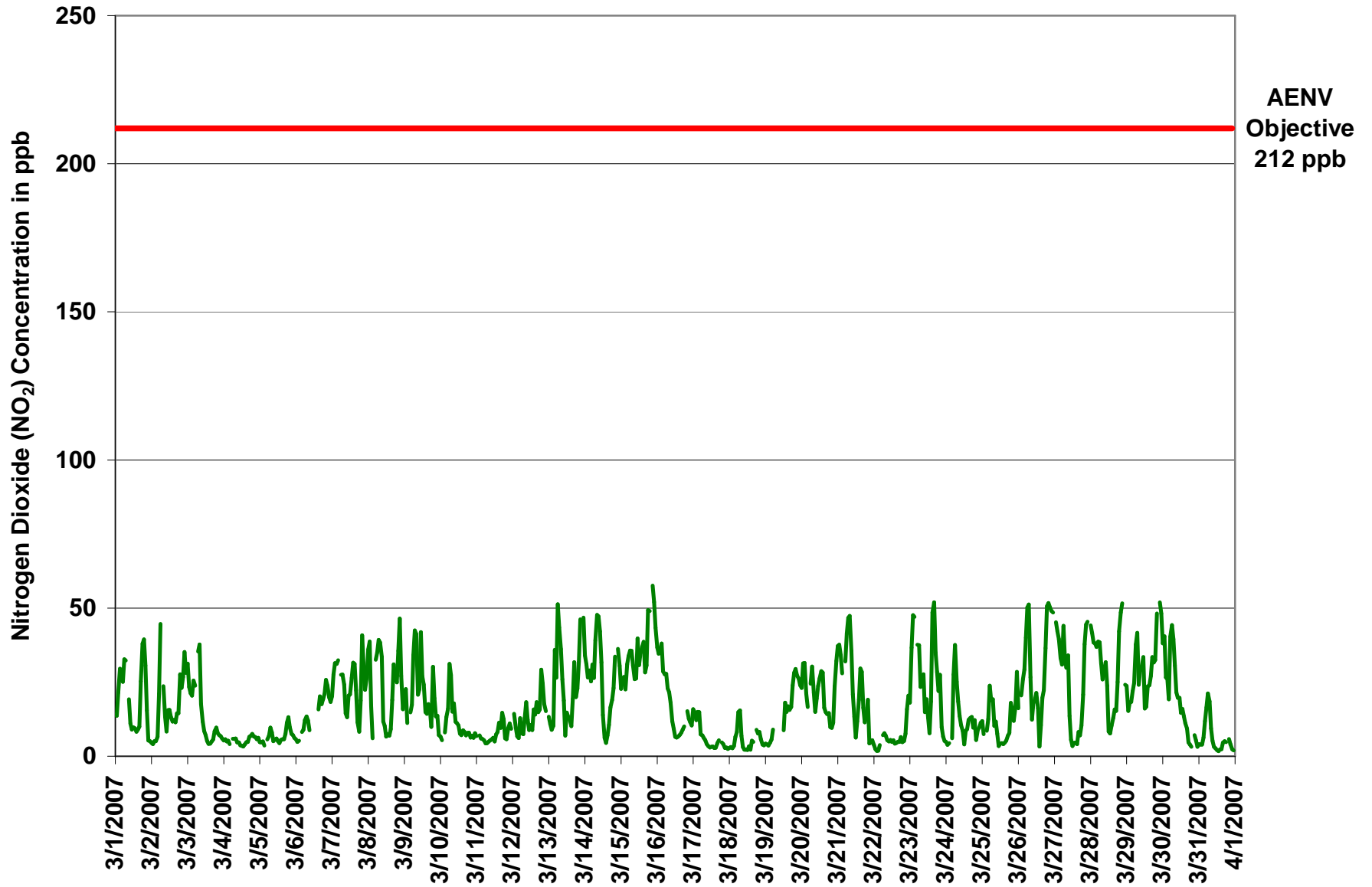


Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

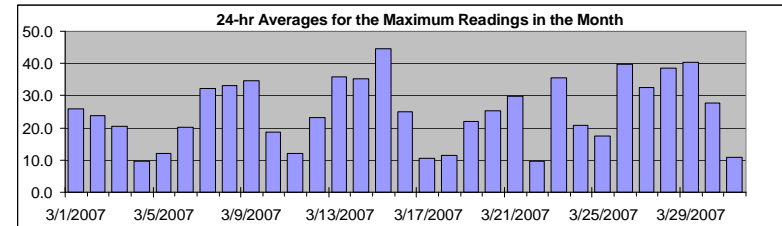
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

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

Summary

Maximum 1-hr Value:	70.6	ppb	13-Mar	9:00 10:00
Maximum 24-hr Value:	44.7	ppb	15-Mar	



AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	61.2	52.4	37.0	22.4	11.5	5.9	3.5	25.2 ppb	22.4 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	18	19	32	35	33	34	37	36	A	32	16	12	13	13	12	16	17	44	47	46	37	30	7	7	25.8	47.5
2-Mar-07	7	8	7	6	8	51	55	A	33	23	15	20	19	16	18	20	17	21	20	34	31	37	39	37	23.7	55.4
3-Mar-07	37	32	28	26	29	29	A	44	49	35	15	12	12	11	9	10	12	10	14	19	12	11	9	8	20.6	49.5
4-Mar-07	10	8	8	8	7	A	9	11	12	9	10	7	9	8	7	9	9	11	10	11	15	11	9	12	9.5	14.6
5-Mar-07	6	8	9	7	A	12	13	25	15	8	15	12	7	9	13	13	11	13	16	17	15	12	12	10	12.1	25.0
6-Mar-07	11	7	8	A	14	16	16	18	17	13	C	C	C	C	C	28	26	24	24	27	35	30	27	22	20.2	34.6
7-Mar-07	32	35	37	33	35	A	31	30	28	19	22	26	28	35	41	46	34	24	15	41	43	40	31	35	32.2	46.3
8-Mar-07	39	45	37	13	A	39	40	51	48	45	26	17	10	11	14	20	30	41	34	31	50	53	49	19	33.2	53.3
9-Mar-07	30	40	17	A	18	45	50	48	51	39	59	58	45	30	25	28	27	33	15	46	34	19	22	12	34.5	59.0
10-Mar-07	9	8	A	18	18	31	48	38	26	31	20	22	18	13	10	16	16	10	13	13	9	14	13	17	18.8	48.3
11-Mar-07	11	A	13	8	12	7	7	8	7	10	13	13	15	10	12	16	17	20	19	8	7	19	14	12	12.1	19.8
12-Mar-07	A	21	20	11	21	23	23	22	23	28	21	16	16	17	22	19	26	26	26	42	41	25	24	A	23.3	41.8
13-Mar-07	19	18	22	15	63	54	62	57	41	71	27	11	26	26	19	17	29	44	25	29	48	49	A	51	35.9	70.6
14-Mar-07	46	37	35	34	33	40	41	51	68	55	52	44	27	11	9	11	23	24	28	28	41	A	40	36	35.4	67.8
15-Mar-07	29	33	31	27	33	40	42	42	34	33	32	61	39	55	49	51	45	54	65	56	A	66	61	51	44.7	66.1
16-Mar-07	42	38	39	42	43	43	39	27	33	27	19	17	10	9	12	16	13	18	14	A	25	18	17	16	25.1	43.1
17-Mar-07	23	23	31	29	22	11	9	8	6	6	5	5	5	5	4	5	8	8	A	10	6	4	4	5	10.4	30.7
18-Mar-07	4	4	6	5	12	13	22	20	14	8	3	3	3	41	6	9	10	A	22	17	13	11	6	10	11.5	40.7
19-Mar-07	11	8	7	9	12	17	C	C	C	C	C	C	25	22	19	42	23	21	29	31	32	33	29	28	22.0	42.2
20-Mar-07	25	40	39	30	20	A	29	32	31	17	24	25	29	33	33	23	16	15	18	10	10	17	28	37	25.3	39.7
21-Mar-07	38	39	38	32	A	36	46	49	49	45	25	21	11	22	27	38	41	26	17	23	40	6	8	9	29.8	49.1
22-Mar-07	8	3	2	3	6	A	18	11	9	7	7	8	7	9	7	6	7	11	10	7	8	10	26	30	9.6	29.9
23-Mar-07	29	48	52	52	A	43	44	36	35	37	20	29	29	11	34	61	59	47	42	32	40	18	10	8	35.5	61.2
24-Mar-07	7	5	6	A	10	46	55	46	25	18	14	14	12	16	16	21	24	27	31	23	10	16	19	16	20.7	55.3
25-Mar-07	18	11	A	14	22	38	28	28	15	17	12	5	5	6	6	7	7	10	15	26	23	22	27	38	17.4	38.1
26-Mar-07	33	A	28	33	42	51	56	58	46	24	30	33	31	28	6	29	34	33	45	57	57	53	52	53	39.6	57.7
27-Mar-07	A	49	45	43	44	44	48	46	43	49	29	9	5	8	8	9	17	17	16	39	47	53	49	A	32.5	52.6
28-Mar-07	47	47	45	41	40	47	46	38	30	42	43	41	12	17	20	26	32	21	41	53	54	62	A	44	38.6	61.9
29-Mar-07	32	21	23	24	45	35	47	50	48	35	41	42	35	32	32	30	41	50	45	51	54	A	59	53	40.2	59.4
30-Mar-07	55	48	40	41	35	51	48	48	42	30	27	25	21	22	20	17	14	12	10	7	A	13	10	6	27.8	54.6
31-Mar-07	7	7	6	11	17	24	31	32	14	8	5	4	4	3	4	5	11	13	13	A	8	17	4	3	10.9	31.7
Hourly Avg	23.5	24.5	24.6	23.3	25.7	34.1	36.0	34.8	30.8	27.3	22.2	21.1	17.6	18.2	17.1	21.4	22.5	24.2	24.6	28.8	29.3	26.5	24.3	23.7		
Hourly Max	54.6	49.1	51.9	52.0	63.2	54.5	62.5	57.7	67.8	70.6	59.0	61.0	45.1	55.4	48.9	61.2	59.4	53.5	64.7	57.4	56.8	66.1	61.1	53.1		

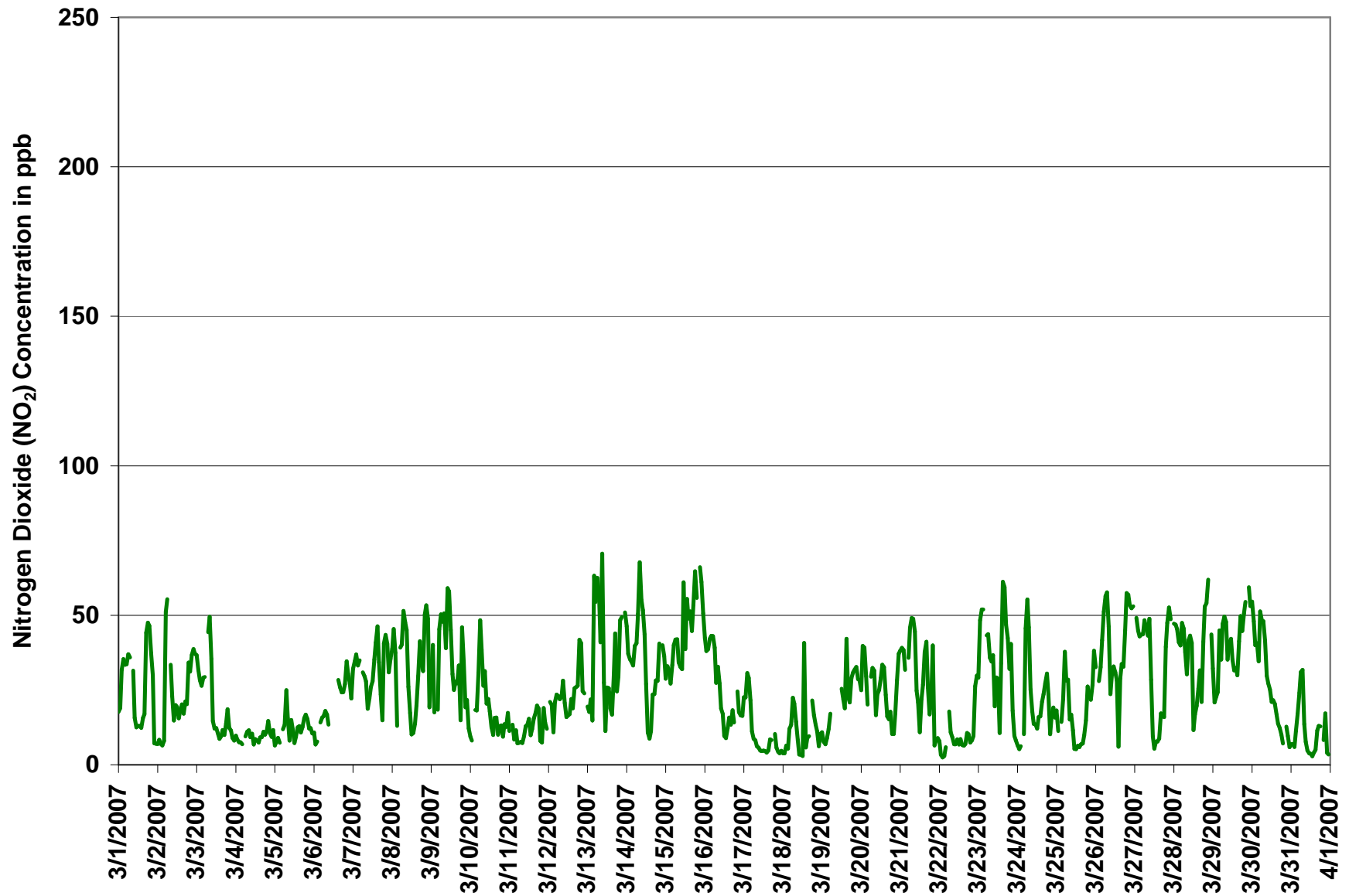
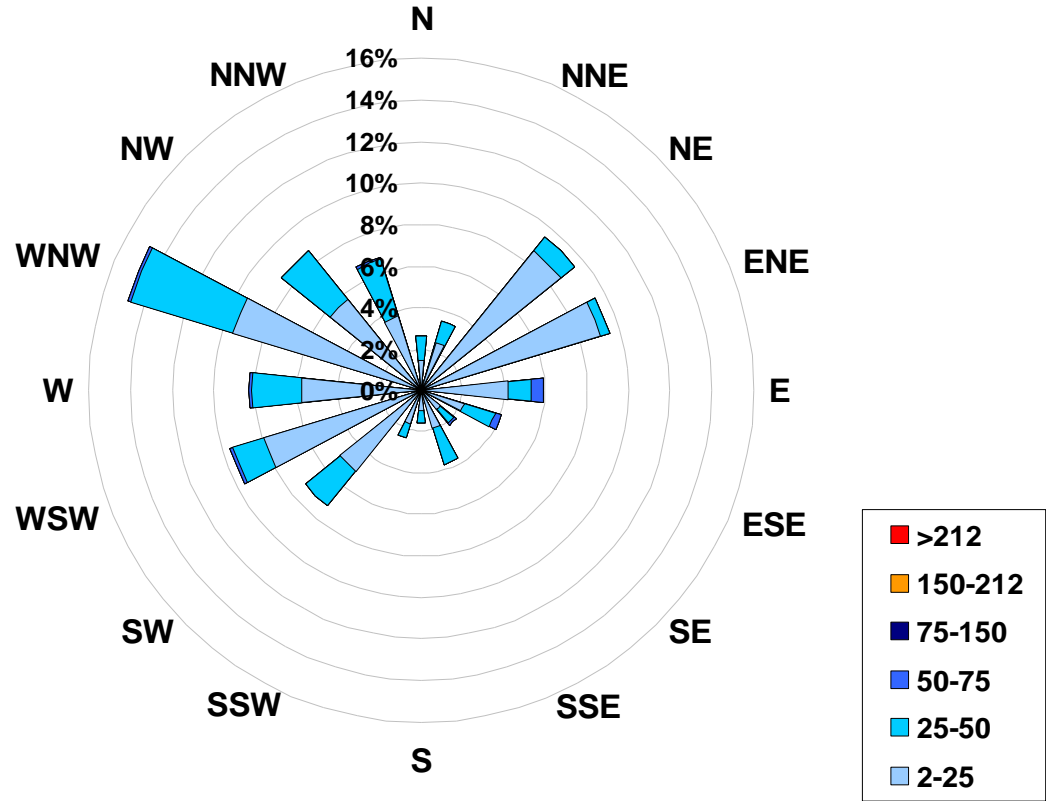


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO ₂ in ppb			
Range		Frequency (hrs)	
2.0	< 25	620	
25	to 50	52	
50	to 75	12	
75	to 150	17	
150	to 212	0	
	> 212	0	
Total Non-Zero Values			701

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

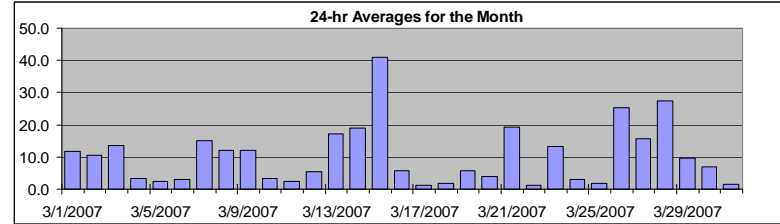
Nitric Oxide (NO)

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

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

Maximum 1-hr Average:	130.3	ppb	21-Mar	7:00 8:00
Maximum 24-hr Average:	41.0	ppb	15-Mar	

AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	87.5	47.6	10.5	3.7	1.2	0.1	0.0	10.2 ppb	3.7 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	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-Mar-07	0	0	2	5	7	8	35	30	A	17	11	11	11	10	8	7	6	18	36	37	8	2	0	0		11.8	36.5	
2-Mar-07	0	0	0	0	0	6	70	A	15	11	8	22	22	16	12	10	6	4	1	5	3	6	17	6		10.5	70.1	
3-Mar-07	14	2	1	1	2	4	A	83	120	25	13	9	7	5	4	4	4	3	3	2	2	2	1	1		13.4	119.8	
4-Mar-07	1	2	1	2	1	A	2	3	4	4	6	5	5	4	4	5	4	4	3	2	5	3	3	2	1		3.2	5.8
5-Mar-07	1	2	1	1	A	1	1	3	2	3	5	5	4	4	4	3	3	3	2	3	2	2	2	1		2.4	5.4	
6-Mar-07	1	0	0	A	1	1	1	2	4	4	C	C	C	C	C	11	12	6	2	1	2	1	0	0		2.9	12.1	
7-Mar-07	1	7	13	14	29	A	18	25	30	17	17	29	27	35	32	27	9	2	1	1	5	5	1	2		14.9	34.7	
8-Mar-07	14	27	4	0	A	6	26	39	48	36	4	6	5	5	4	5	7	12	3	1	5	17	6	0		12.1	47.6	
9-Mar-07	0	1	1	A	0	1	12	41	57	15	21	49	25	18	7	6	6	4	1	4	1	1	1	1	1		11.9	57.1
10-Mar-07	0	0	A	0	0	1	11	3	4	6	6	7	7	4	3	4	3	2	2	2	1	3	1	1		3.2	11.3	
11-Mar-07	1	A	1	0	1	1	1	1	2	3	4	6	4	7	6	8	4	4	1	0	0	0	0	0		2.4	7.7	
12-Mar-07	A	1	1	0	1	2	2	2	8	18	12	8	9	5	12	11	11	5	2	3	2	1	1	A		5.4	18.5	
13-Mar-07	0	1	1	1	14	13	51	35	29	24	18	5	13	10	9	5	8	14	2	0	10	57	A	78		17.2	77.5	
14-Mar-07	20	2	1	3	1	4	3	38	82	76	66	35	12	4	4	6	7	8	4	2	23	A	18	17		19.0	82.3	
15-Mar-07	1	3	2	1	14	35	62	73	63	49	55	81	44	49	43	47	24	18	43	19	A	122	74	19		41.0	122.0	
16-Mar-07	9	8	12	17	3	4	5	5	10	10	7	7	5	4	5	5	4	4	2	A	2	1	1	1		5.7	16.6	
17-Mar-07	1	1	0	0	0	0	1	1	2	2	3	2	2	2	2	2	2	2	2	A	1	1	0	0	0		1.2	2.6
18-Mar-07	0	0	0	0	0	1	1	3	3	2	2	2	2	2	4	2	4	3	A	3	2	3	2	1	2		1.9	4.2
19-Mar-07	1	1	1	1	1	2	C	C	C	C	C	C	8	19	14	12	9	6	6	5	4	4	4	3		5.8	19.2	
20-Mar-07	3	8	7	2	2	A	2	9	5	2	4	6	7	13	8	2	1	1	1	0	0	1	1	5		3.9	12.7	
21-Mar-07	13	28	13	4	A	13	93	130	76	14	2	5	2	5	9	16	13	3	1	0	1	0	0	0		19.3	130.3	
22-Mar-07	0	0	0	0	0	A	1	1	2	3	3	3	3	4	3	3	2	1	1	0	0	0	0	0		1.3	3.8	
23-Mar-07	0	2	15	12	A	3	5	4	7	11	8	15	8	4	10	79	82	23	10	1	2	0	0	0		13.1	81.5	
24-Mar-07	0	0	0	A	0	1	12	6	9	8	7	5	2	4	4	4	3	1	1	0	0	0	0	0		2.9	11.9	
25-Mar-07	0	0	A	0	0	1	1	4	4	7	4	2	3	3	3	3	2	2	1	1	0	0	0	0		1.8	7.2	
26-Mar-07	0	A	0	0	2	16	88	113	20	8	15	18	17	12	1	5	11	8	10	47	76	53	37	23		25.3	112.8	
27-Mar-07	A	15	20	29	8	7	55	48	29	47	11	3	2	3	3	2	4	2	1	1	1	21	32	A		15.7	55.1	
28-Mar-07	40	39	17	13	13	48	87	32	25	41	46	31	5	4	5	6	7	3	3	20	48	96	A	0		27.4	95.8	
29-Mar-07	0	0	0	0	1	2	6	21	9	16	17	24	8	7	10	9	9	12	4	2	13	A	38	8		9.5	38.3	
30-Mar-07	5	2	0	1	0	5	26	32	19	12	13	13	9	7	5	4	2	1	1	0	A	0	0	0		6.8	31.5	
31-Mar-07	0	0	0	0	0	0	2	5	4	3	2	2	1	1	1	1	3	3	1	A	0	1	0	0		1.4	5.4	
Hourly Avg	4.4	5.2	4.0	3.8	3.8	7.0	23.4	27.3	23.9	16.5	13.4	14.3	9.4	9.1	7.9	10.2	8.7	6.0	5.1	5.7	7.6	13.8	8.3	5.8				
Hourly Max	40.1	39.2	20.1	29.0	28.6	47.8	92.8	130.3	119.8	75.8	66.4	81.1	44.3	48.9	42.8	79.0	81.5	23.4	43.2	47.2	76.1	122.0	74.2	77.5				

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

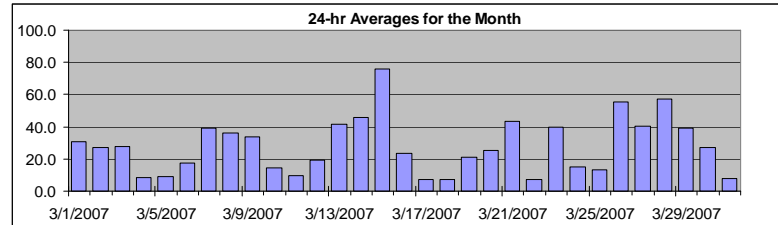
Oxides of Nitrogen (NO_x)

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

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

Maximum 1-hr Average:	179.5	ppb	15-Mar	21:00 22:00
Maximum 24-hr Average:	76.2	ppb	15-Mar	

AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	134.1	85.8	35.4	18.4	9.1	4.6	2.8	28.1 ppb	18.4 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	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-Mar-07	0:00	14	14	23	34	34	34	68	63	A	36	22	20	21	20	16	16	16	43	74	76	39	18	6	5	30.9	75.9	
2-Mar-07	1:00	4	4	5	5	6	27	115	A	39	24	17	37	37	29	23	23	17	18	15	33	26	33	52	34	27.2	114.6	
3-Mar-07	2:00	45	25	23	21	27	28	A	118	157	43	24	17	14	10	8	8	9	9	11	12	10	9	8	7	27.9	157.3	
4-Mar-07	3:00	7	7	6	7	6	A	7	8	9	10	9	11	8	8	8	10	9	10	10	12	9	9	7	8	8.6	12.1	
5-Mar-07	4:00	6	6	6	4	A	7	8	9	10	8	10	11	9	8	10	9	9	10	13	16	12	9	9	7	9.1	16.0	
6-Mar-07	5:00	7	5	6	A	10	10	14	16	16	13	C	C	C	C	C	27	32	24	22	22	28	25	20	18	17.4	32.4	
7-Mar-07	6:00	21	34	44	45	61	A	45	53	54	31	30	49	47	61	63	58	31	14	9	20	46	35	23	28	39.2	63.4	
8-Mar-07	7:00	50	65	21	6	A	39	60	78	86	69	15	16	11	12	11	14	26	42	30	26	40	63	33	16	36.1	85.8	
9-Mar-07	8:00	20	24	12	A	15	18	46	84	98	36	44	91	52	42	22	20	24	20	11	34	21	14	14	8	33.4	98.2	
10-Mar-07	9:00	7	6	A	8	13	16	42	31	19	24	18	18	12	10	13	11	9	10	10	8	9	7	9	9	14.3	42.4	
11-Mar-07	10:00	8	A	8	6	6	6	5	5	6	8	10	12	9	14	14	19	13	18	14	6	6	10	11	9	9.8	18.9	
12-Mar-07	11:00	A	15	11	7	7	15	9	10	21	37	25	17	20	14	28	25	29	20	18	32	27	19	16	A	19.0	36.6	
13-Mar-07	12:00	14	12	9	11	50	39	103	79	65	50	37	12	28	23	21	15	27	45	22	23	42	103	A	124	41.4	124.2	
14-Mar-07	13:00	54	34	28	32	26	35	30	77	130	123	109	67	26	11	9	13	18	25	23	26	57	A	55	48	45.7	130.1	
15-Mar-07	14:00	24	29	29	24	45	69	97	108	94	75	81	121	75	84	80	85	52	49	93	68	A	180	126	62	76.2	179.5	
16-Mar-07	15:00	46	43	48	55	32	32	33	28	31	28	19	17	12	10	11	12	12	13	12	A	17	14	12	11	23.8	54.7	
17-Mar-07	16:00	16	15	12	15	15	8	7	7	7	6	6	5	5	6	4	4	6	7	A	5	4	3	3	3	7.5	16.3	
18-Mar-07	17:00	3	3	3	3	7	9	16	19	10	5	4	5	5	7	4	9	8	A	12	10	11	8	5	5	7.4	18.7	
19-Mar-07	18:00	6	6	5	6	7	12	C	C	C	C	C	C	16	36	28	28	24	22	29	32	33	31	29	27	20.9	36.1	
20-Mar-07	19:00	26	39	39	23	18	A	27	39	26	16	23	29	34	42	36	18	16	15	15	10	10	12	25	37	25.1	41.6	
21-Mar-07	20:00	50	66	47	32	A	46	135	178	124	50	23	19	9	17	28	46	42	20	13	14	21	5	5	6	43.2	177.9	
22-Mar-07	21:00	4	3	2	2	4	A	8	9	9	8	8	9	8	9	7	7	7	7	6	7	5	5	8	16	21	7.4	20.7
23-Mar-07	22:00	18	39	63	59	A	41	43	27	33	39	23	34	21	12	29	128	134	59	38	23	30	10	7	5	39.8	134.1	
24-Mar-07	23:00	5	4	5	A	6	29	50	31	27	22	17	14	6	13	13	16	16	15	10	13	6	9	10	11	15.1	49.8	
25-Mar-07	0:00	12	8	A	9	13	25	20	23	14	19	12	5	7	7	7	7	8	9	9	19	16	12	17	29	13.4	29.1	
26-Mar-07	1:00	16	A	21	26	32	56	138	165	47	20	33	37	39	29	5	16	31	31	46	98	129	104	87	72	55.6	164.9	
27-Mar-07	2:00	A	60	63	69	41	38	100	81	59	82	25	9	6	7	7	6	12	9	12	22	39	65	78	A	40.5	99.5	
28-Mar-07	3:00	85	81	55	51	50	87	127	64	51	70	78	55	13	12	16	19	22	19	29	63	97	148	A	24	57.2	148.2	
29-Mar-07	4:00	24	15	18	18	24	27	44	63	33	45	47	58	25	24	34	34	37	45	36	35	61	A	91	57	38.9	90.8	
30-Mar-07	5:00	43	43	27	27	20	46	71	71	50	34	33	32	24	24	18	15	11	6	4	3	A	7	6	3	26.9	71.4	
31-Mar-07	6:00	4	4	4	6	12	17	23	24	14	8	5	4	3	3	4	4	8	8	6	A	6	5	3	2	7.7	24.0	
Hourly Avg		22.0	24.4	22.2	21.9	21.7	30.2	51.4	54.2	46.4	34.6	27.9	28.6	20.3	20.1	19.2	23.4	23.1	21.3	21.8	26.4	29.4	33.7	26.9	24.0			
Hourly Max		84.7	81.1	62.6	68.9	60.9	86.9	138.4	177.9	157.3	123.0	108.6	120.9	75.2	83.8	79.8	128.1	134.1	58.6	92.6	98.4	128.5	179.5	126.1	124.2			

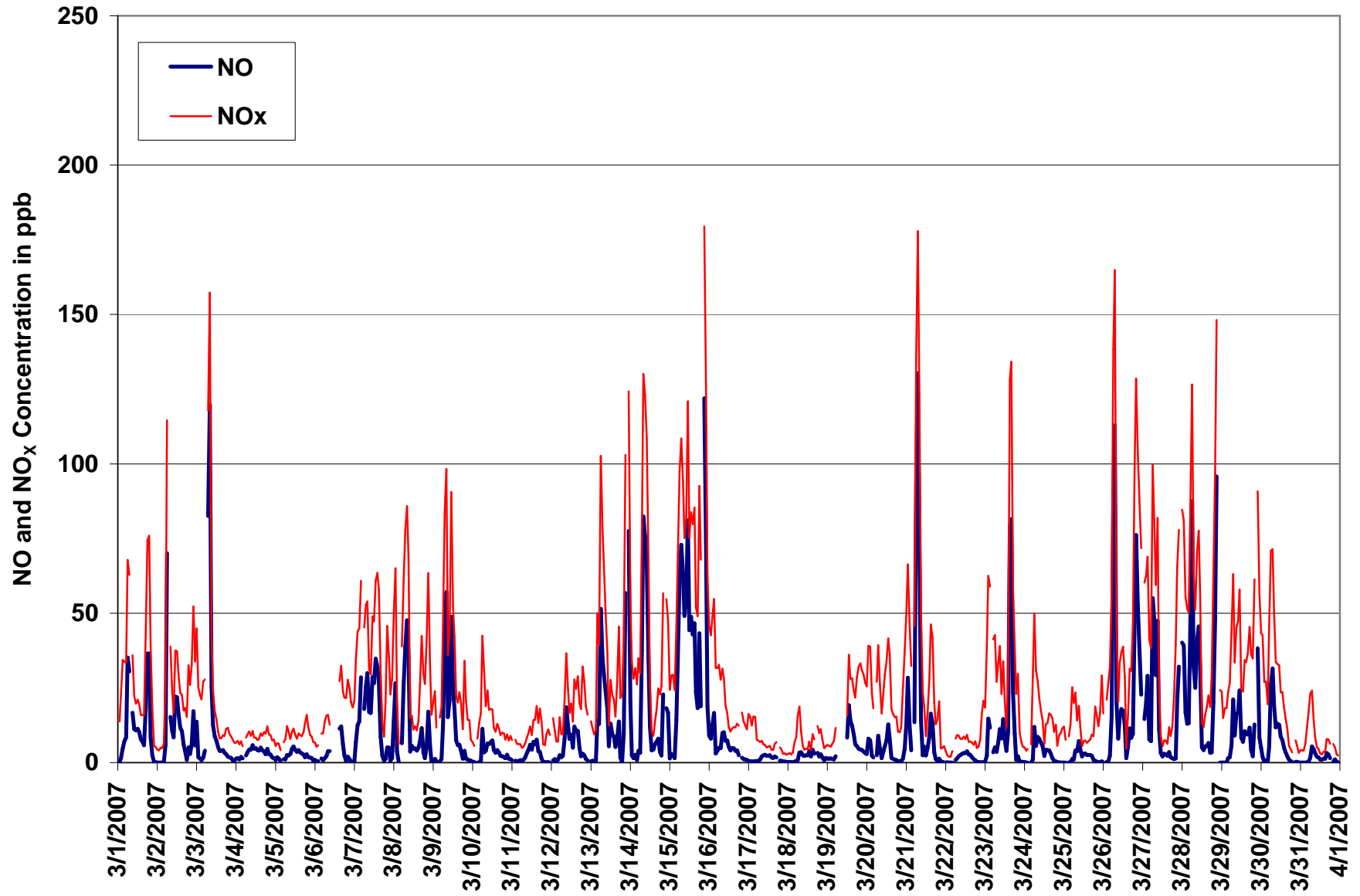


Figure 5. PASZA - Henry Pirkler Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

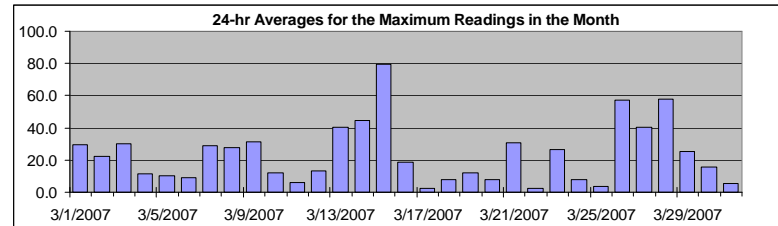
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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

Summary

Maximum 1-hr Value:	204.5	ppb	26-Mar	6:00 7:00
Maximum 24-hr Value:	79.3	ppb	15-Mar	



AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	166.0	94.6	24.8	10.9	3.9	0.5	0.3	23.3 ppb	10.9 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Mar-07	1	1	6	30	28	54	76	73	A	29	37	18	17	16	17	12	16	13	81	71	74	24	10	1	2	29.5	80.6
2-Mar-07	1	1	0	0	0	58	127	A	29	25	19	30	30	25	24	23	12	8	2	13	8	25	31	23	22.4	127.0	
3-Mar-07	31	12	4	2	5	17	A	161	202	101	18	14	18	17	10	12	15	10	10	8	9	8	2	2	29.9	201.8	
4-Mar-07	8	11	6	7	9	A	7	15	16	13	14	16	18	13	9	17	13	11	9	17	16	11	7	6	11.7	17.7	
5-Mar-07	4	14	9	6	A	12	8	19	8	10	16	13	7	17	15	14	10	6	6	11	9	10	10	6	10.5	19.4	
6-Mar-07	10	1	3	A	11	3	4	5	17	6	C	C	C	C	C	29	20	14	8	4	17	5	3	1	9.1	29.4	
7-Mar-07	6	21	36	22	42	A	53	42	47	23	38	46	45	58	52	64	20	6	2	6	9	12	2	15	29.1	63.8	
8-Mar-07	31	53	43	1	A	14	56	89	83	72	9	10	7	7	9	22	15	23	9	4	16	33	30	1	27.7	89.2	
9-Mar-07	2	5	2	A	1	25	50	69	109	42	100	88	69	27	19	19	16	16	6	24	5	12	4	6	31.2	109.3	
10-Mar-07	1	1	A	1	1	2	56	12	22	18	16	21	14	10	8	16	12	6	11	10	6	13	13	11	12.1	56.1	
11-Mar-07	5	A	6	1	3	4	1	2	4	14	12	14	18	9	11	10	11	6	4	0	1	1	1	0	6.0	18.2	
12-Mar-07	A	A	4	5	2	7	8	13	14	21	51	30	16	14	11	18	16	15	12	4	10	9	2	2	A	13.0	51.0
13-Mar-07	1	2	9	2	94	66	92	75	46	69	30	11	29	22	22	12	16	38	5	1	63	110	A	119	40.5	118.5	
14-Mar-07	69	8	5	11	3	24	16	105	201	102	128	62	29	7	12	12	21	21	9	5	74	A	38	58	44.4	200.6	
15-Mar-07	6	13	11	5	34	74	139	161	106	67	69	150	56	95	80	85	61	62	93	99	A	159	128	74	79.3	160.5	
16-Mar-07	28	20	23	55	21	19	16	14	27	19	18	32	10	6	21	20	16	17	17	A	10	6	11	7	18.7	54.6	
17-Mar-07	2	4	2	4	2	1	1	2	3	4	5	4	4	4	3	3	5	3	A	2	1	1	1	1	2.6	4.9	
18-Mar-07	1	1	1	1	1	1	3	7	7	10	4	4	4	4	46	8	8	8	A	19	12	11	8	2	10	7.7	46.1
19-Mar-07	7	7	7	6	5	12	C	C	C	C	C	C	32	24	18	31	20	13	8	5	5	7	4	4	11.8	31.9	
20-Mar-07	3	22	21	4	2	A	5	14	13	2	5	6	10	23	20	3	2	1	1	1	1	1	2	12	7.7	23.3	
21-Mar-07	23	43	31	7	A	34	147	158	88	46	8	10	5	12	15	28	31	7	3	1	4	1	1	0	30.5	157.5	
22-Mar-07	1	1	0	0	0	A	8	2	3	4	4	5	5	7	4	4	3	2	2	0	1	0	1	1	2.6	8.2	
23-Mar-07	11	10	34	29	A	6	10	10	16	19	11	25	26	5	24	131	148	51	32	1	5	1	1	0	26.3	147.5	
24-Mar-07	0	0	0	A	0	4	54	16	18	12	9	10	7	11	9	12	9	4	3	1	0	2	0	0	8.1	54.2	
25-Mar-07	0	0	A	1	1	11	3	8	7	11	9	3	4	4	4	4	3	3	1	1	1	1	3	2	3.8	11.4	
26-Mar-07	0	A	2	1	9	47	204	197	70	20	36	41	33	23	3	18	29	25	17	176	170	80	74	45	57.5	204.5	
27-Mar-07	A	35	32	55	37	28	165	142	60	83	34	6	4	5	5	6	9	6	5	6	9	102	53	A	40.3	165.0	
28-Mar-07	54	56	37	26	29	102	166	86	34	74	76	68	14	18	17	16	32	6	10	102	117	195	A	3	58.1	194.8	
29-Mar-07	0	0	1	0	30	7	20	43	43	26	35	38	30	25	24	17	24	39	9	14	47	A	88	25	25.4	87.7	
30-Mar-07	24	7	1	9	0	25	58	79	41	18	25	18	14	13	9	7	4	8	1	1	A	1	1	0	15.8	78.6	
31-Mar-07	0	0	0	0	1	1	6	31	6	5	3	3	2	2	3	4	11	11	11	A	1	15	1	0	5.2	30.6	
Hourly Avg	11.4	12.1	11.7	10.3	13.9	24.4	54.0	56.9	46.5	33.4	27.6	27.0	19.1	18.8	16.2	21.8	20.1	17.2	13.0	21.1	22.4	28.7	17.8	15.0			
Hourly Max	68.9	55.5	43.3	54.6	93.5	101.6	204.5	196.7	201.8	101.9	127.8	150.1	69.1	94.6	79.5	130.5	147.5	80.6	92.6	175.5	170.0	194.8	128.2	118.5			

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

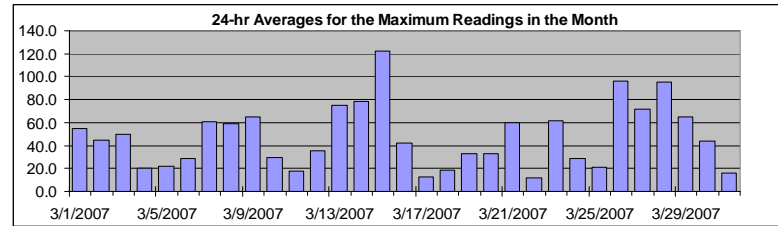
Oxides of Nitrogen (NO_x)

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

Summary

Maximum 1-hr Value:	267.9	ppb	14-Mar	8:00 9:00
Maximum 24-hr Value:	122.6	ppb	15-Mar	

AIC Time:	32 hrs	Operational Time:	701 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	221.2	146.6	60.8	31.7	18.4	7.6	4.8	47.8 ppb	31.7 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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-Mar-07	18	19	38	64	61	88	112	108	A	66	34	29	28	30	24	31	28	124	112	120	61	39	8	9	54.5	124.0
2-Mar-07	7	9	7	6	8	109	170	A	63	47	34	49	49	39	42	43	29	29	23	48	37	62	68	60	45.1	170.4
3-Mar-07	68	43	33	28	34	43	A	203	249	136	32	26	30	27	18	20	22	19	21	25	22	19	10	10	49.5	249.0
4-Mar-07	17	19	13	15	15	A	15	26	25	22	23	22	27	21	15	26	21	22	18	25	29	21	17	16	20.4	29.1
5-Mar-07	10	19	18	14	A	23	21	42	24	17	30	25	14	27	26	26	17	18	18	26	24	21	23	15	21.6	42.3
6-Mar-07	20	8	10	A	25	19	19	23	32	20	C	C	C	C	C	57	46	39	32	31	51	34	29	23	28.8	57.3
7-Mar-07	38	55	73	54	76	A	84	71	72	42	60	71	72	93	92	110	54	30	17	46	52	51	33	50	60.8	109.7
8-Mar-07	69	98	61	14	A	51	96	140	128	117	34	27	17	18	22	37	45	64	41	34	67	86	79	19	59.3	140.2
9-Mar-07	32	46	18	A	19	70	101	112	158	81	159	145	114	56	44	47	43	49	21	66	39	27	23	18	64.6	158.7
10-Mar-07	10	8	A	18	18	33	104	45	47	48	36	43	32	22	17	31	27	15	21	20	15	24	26	28	29.9	103.8
11-Mar-07	12	A	18	10	13	10	9	9	11	23	22	27	34	19	22	25	28	25	22	8	9	19	14	12	17.5	33.6
12-Mar-07	A	24	25	12	28	31	35	36	43	79	50	32	30	27	40	35	38	38	31	52	50	27	26	A	35.8	78.7
13-Mar-07	20	19	31	17	157	109	148	132	87	139	57	23	54	47	40	28	45	82	29	30	110	157	A	169	75.2	169.0
14-Mar-07	115	45	41	45	37	63	55	155	268	156	161	106	56	18	21	23	45	44	36	32	115	A	74	94	78.4	267.9
15-Mar-07	36	45	42	33	66	110	179	202	140	100	100	209	94	150	129	136	102	114	147	152	A	221	189	125	122.6	221.2
16-Mar-07	71	56	60	94	64	62	54	40	60	46	36	48	19	15	32	35	27	35	28	A	26	19	27	23	42.5	94.3
17-Mar-07	23	22	33	33	23	12	10	10	8	9	9	9	8	8	7	7	13	11	A	12	6	5	4	5	12.5	32.8
18-Mar-07	4	4	7	5	12	14	24	25	21	18	7	8	6	87	13	16	18	A	38	28	22	18	8	21	18.5	87.0
19-Mar-07	18	15	14	15	17	29	C	C	C	C	C	C	56	44	36	60	41	31	35	35	36	39	33	31	32.6	60.1
20-Mar-07	28	62	60	34	22	A	34	46	44	18	29	31	40	57	53	26	17	16	19	11	11	18	30	49	32.8	61.8
21-Mar-07	61	81	69	37	A	70	193	205	137	91	27	30	16	34	42	66	72	33	20	24	44	7	9	9	59.9	204.6
22-Mar-07	8	3	3	3	6	A	26	14	13	11	11	14	12	15	10	11	10	13	12	8	9	10	27	30	12.1	30.3
23-Mar-07	41	58	84	79	A	49	53	46	51	55	28	54	54	15	58	191	208	97	75	33	46	19	10	8	61.4	207.5
24-Mar-07	7	5	6	A	10	50	110	63	43	29	23	24	19	27	26	29	32	32	34	25	10	17	20	16	28.5	109.9
25-Mar-07	18	11	A	15	23	49	30	36	22	27	18	8	9	11	10	11	11	13	16	27	24	23	30	39	20.9	49.2
26-Mar-07	33	A	29	33	50	99	262	251	116	44	66	74	64	52	9	47	63	59	61	232	224	132	120	99	96.5	262.2
27-Mar-07	A	79	76	95	81	71	211	188	103	132	63	15	9	13	13	14	26	23	20	43	56	144	99	A	71.6	210.7
28-Mar-07	97	98	79	67	65	149	207	123	65	115	120	109	26	35	36	42	64	27	51	152	167	249	A	47	95.2	249.0
29-Mar-07	33	21	23	24	73	42	68	92	91	61	76	81	65	57	57	46	65	89	53	62	101	A	143	75	65.1	143.2
30-Mar-07	78	55	41	50	35	76	104	127	83	48	52	43	36	34	30	24	18	15	11	8	A	14	10	6	43.5	127.4
31-Mar-07	7	7	6	11	17	25	37	63	19	13	7	7	6	5	7	9	23	24	24	A	9	31	5	4	16.0	62.7
Hourly Avg	34.4	35.8	35.0	33.1	39.1	57.7	88.7	90.7	76.7	60.3	48.5	47.9	36.5	36.7	33.0	42.2	41.9	40.9	36.2	48.7	50.8	53.5	41.1	38.3		
Hourly Max	114.6	97.9	84.0	95.2	156.7	149.2	262.2	250.5	267.9	155.8	160.8	208.9	114.1	149.8	128.6	191.1	207.5	124.0	146.6	231.8	224.4	249.0	189.2	169.0		

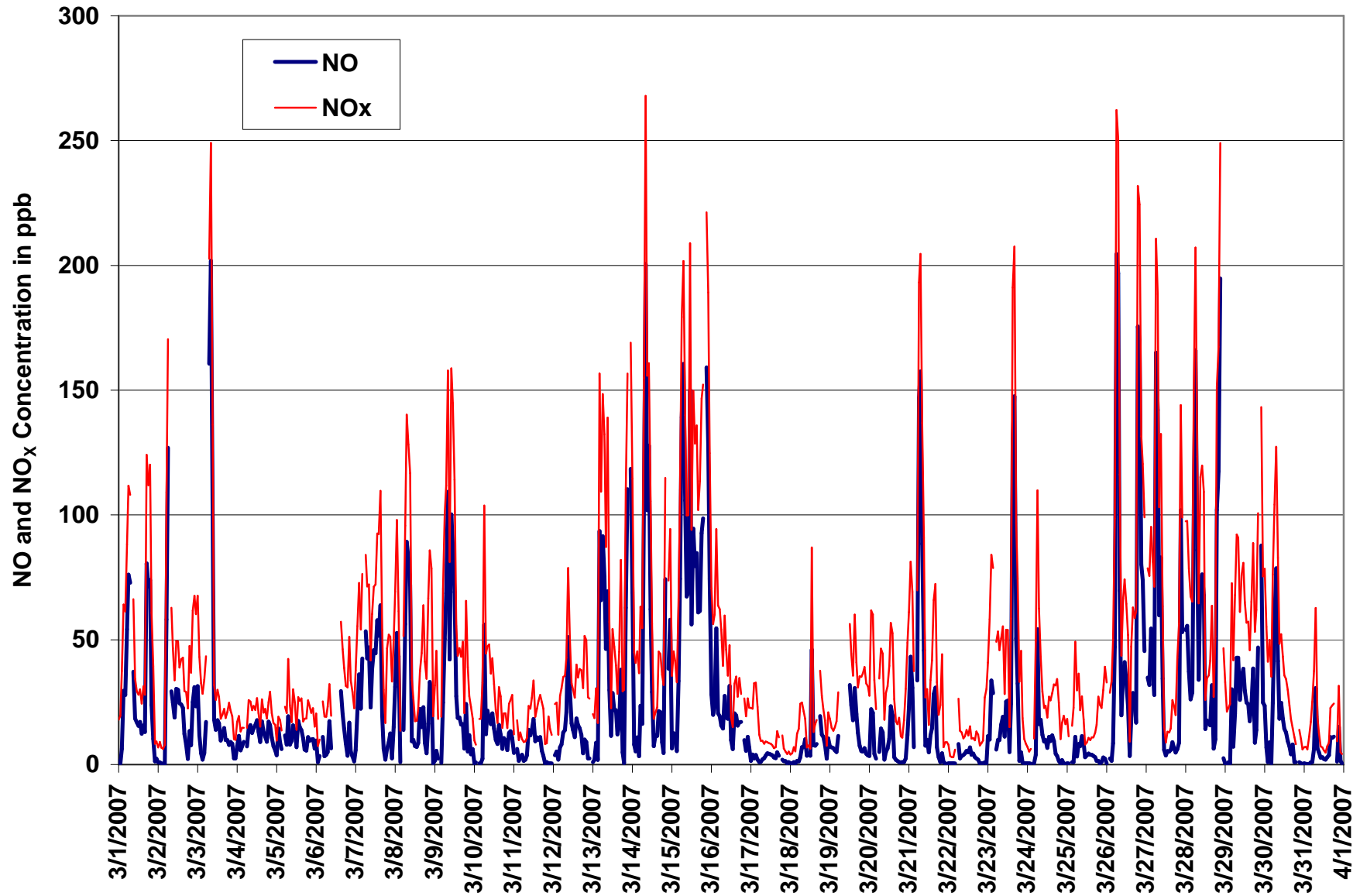


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Ozone (O₃)

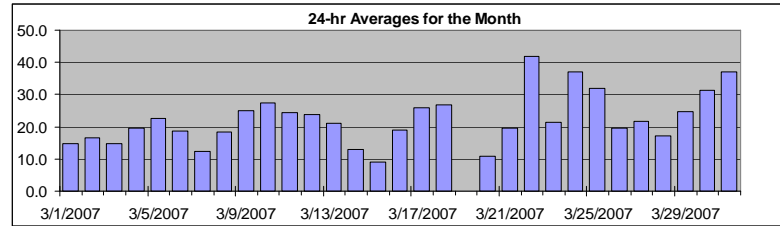
Monitoring Dates: March 1, 2007 to April 1, 2007

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

Summary

Number of 1-hr Exceedances:	0			
Maximum 1-hr Average:	56.1 ppb	30-Mar	16:00	17:00
Maximum 24-hr Average:	41.8 ppb	22-Mar		

AIC Time:	32 hrs		Operational Time:	705 hrs					
Calibration Time:	7 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	45.2	42.3	31.0	23.3	12.5	0.3	0.0	22.2 ppb	23.3 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00		
1-Mar-07	18	18	11	3	5	5	0	1	A	15	22	23	25	26	28	29	27	15	2	0	5	16	23	23		14.8	28.9
2-Mar-07	24	25	24	25	23	10	0	A	10	19	22	20	22	22	24	23	23	20	19	6	10	7	0	3		16.5	24.8
3-Mar-07	1	6	7	7	2	2	A	0	1	12	18	23	25	26	27	26	24	23	20	18	19	19	17	18		14.9	26.7
4-Mar-07	19	19	18	18	20	A	18	18	18	19	20	21	21	22	23	22	21	20	19	20	20	20	20	19		19.7	22.5
5-Mar-07	21	21	22	23	A	22	21	18	19	22	22	23	24	25	25	25	25	23	19	18	22	25	26	27		22.6	26.6
6-Mar-07	27	28	27	A	25	22	19	17	19	22	23	24	25	23	23	19	14	15	13	11	6	7	11	12		18.8	27.9
7-Mar-07	9	3	0	0	0	A	0	0	5	14	19	18	20	19	18	19	24	29	32	23	1	7	14	8		12.3	32.2
8-Mar-07	0	0	16	29	A	2	0	1	5	11	32	32	37	37	38	37	28	17	21	22	12	2	17	27		18.5	37.9
9-Mar-07	24	22	32	A	28	25	7	0	4	23	26	17	25	28	35	35	32	32	36	17	26	32	31	38		25.1	38.0
10-Mar-07	38	39	A	33	26	22	8	12	24	25	27	28	28	32	32	31	31	30	29	27	28	27	27	25		27.4	38.6
11-Mar-07	25	A	25	25	25	25	26	26	26	25	26	27	27	26	26	23	24	19	20	27	27	22	19	21		24.4	27.1
12-Mar-07	A	16	20	23	24	18	21	21	17	15	23	28	29	31	28	33	31	33	29	16	19	24	25	A		23.8	33.4
13-Mar-07	27	29	31	30	9	17	0	4	10	22	28	36	32	33	34	37	30	18	25	19	11	0	A	0		21.0	36.5
14-Mar-07	6	6	10	8	12	7	12	3	4	8	11	15	30	30	27	25	26	24	20	13	3	A	0	2		13.1	30.2
15-Mar-07	8	6	5	8	0	0	0	1	5	11	14	16	22	24	22	20	25	20	4	1	A	0	0	0		9.1	24.8
16-Mar-07	0	0	0	0	9	9	10	14	16	19	25	28	31	32	31	31	30	29	27	A	23	24	25	25		19.1	31.8
17-Mar-07	21	21	25	20	19	26	22	22	22	24	26	28	30	31	32	32	31	30	A	28	27	27	27	26		25.9	32.3
18-Mar-07	25	25	25	24	21	20	14	13	22	26	27	28	29	30	32	31	32	A	31	31	30	33	35	36		26.9	35.7
19-Mar-07	35	34	33	32	31	28	21	22	28	29	C	C	C	C	C	C	C	19	6	6	6	7	7	8		N	34.5
20-Mar-07	8	3	3	8	12	A	7	2	8	12	9	6	5	4	6	19	20	21	22	23	22	20	10	3		10.9	22.7
21-Mar-07	0	0	1	3	A	2	0	0	0	6	18	34	41	36	29	21	23	31	35	32	26	39	39	38		19.7	40.8
22-Mar-07	41	43	44	44	42	A	41	40	41	43	43	44	45	44	45	45	44	44	41	43	43	40	32	29		41.8	45.2
23-Mar-07	31	12	0	2	A	11	11	23	21	19	30	29	35	41	33	12	8	17	19	22	16	31	33	34		21.4	40.6
24-Mar-07	34	39	42	A	41	22	13	22	29	35	39	42	47	44	43	40	39	40	41	39	45	40	37	36		37.0	46.9
25-Mar-07	32	33	A	29	23	12	20	21	28	27	34	42	42	42	43	43	42	40	39	30	31	34	29	17		31.9	43.0
26-Mar-07	26	A	23	16	15	6	0	3	21	33	30	32	32	37	46	40	35	31	17	3	0	1	0	0		19.5	45.6
27-Mar-07	A	0	0	0	6	10	1	9	18	19	34	41	45	44	45	45	41	42	38	27	9	3	1	A		21.8	44.9
28-Mar-07	0	0	1	0	0	0	1	7	17	17	20	27	38	42	40	40	39	39	28	10	2	1	A	27		17.2	41.8
29-Mar-07	28	34	31	30	26	24	12	10	25	24	27	26	41	42	37	34	33	27	25	23	5	A	2	3		24.8	42.0
30-Mar-07	11	9	21	23	28	6	1	7	17	29	31	33	39	39	44	49	56	51	50	53	A	42	41	42		31.4	56.1
31-Mar-07	40	40	40	37	30	25	22	24	34	37	38	39	42	43	43	43	41	40	40	A	37	37	38	39		36.9	43.2
Hourly Avg	19.9	18.3	18.5	17.9	18.7	14.1	10.9	12.1	17.1	21.3	25.5	27.6	31.1	31.9	31.9	31.0	30.0	28.0	25.6	21.0	18.3	20.3	20.2	20.2			
Hourly Max	40.6	43.4	44.3	44.3	42.3	27.7	40.5	40.0	41.2	42.8	43.4	44.2	46.9	44.1	45.6	48.6	56.1	50.7	49.5	53.1	44.7	41.6	40.9	42.1			

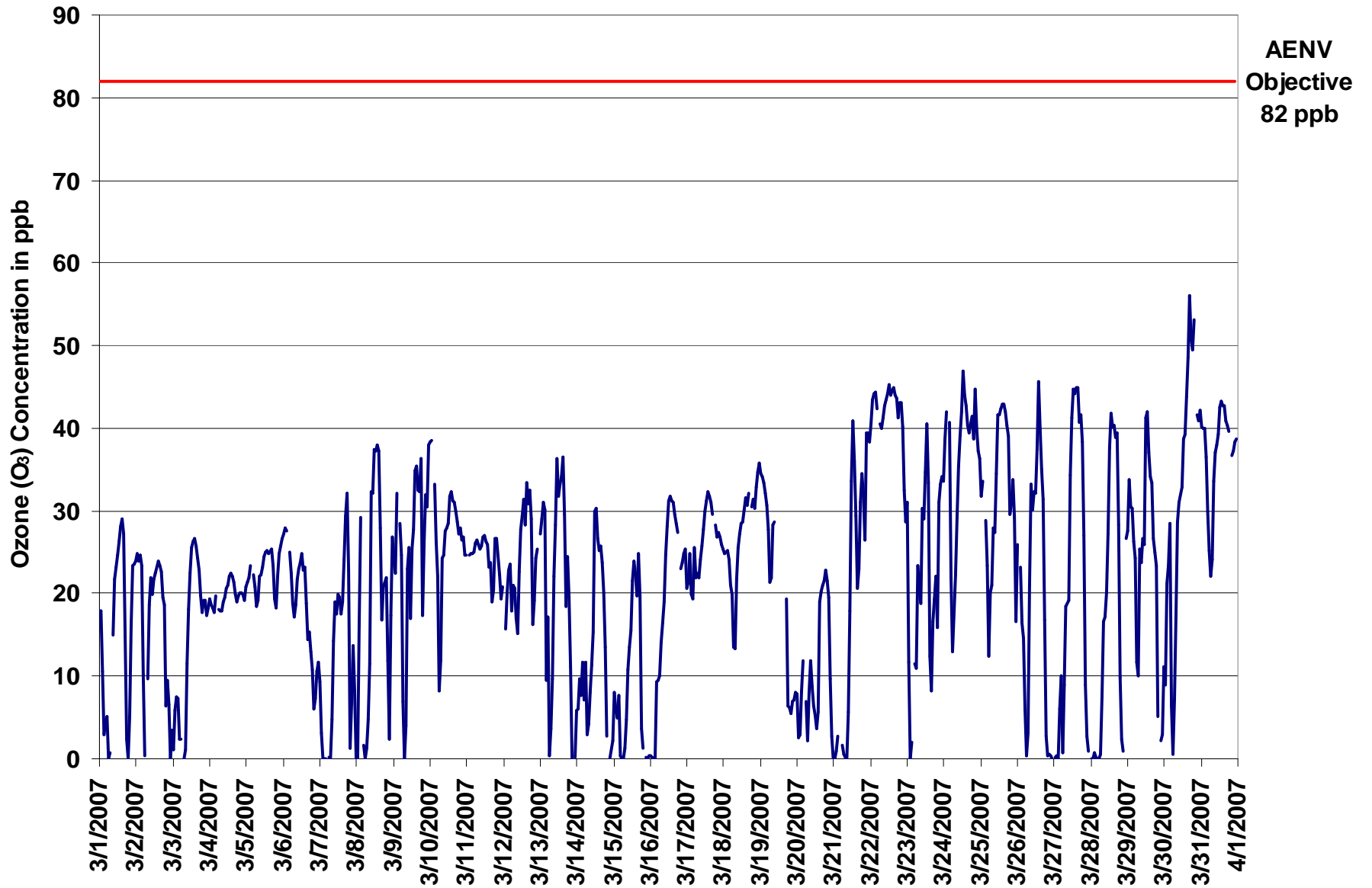


Figure 7. PASZA - Henry Pirker Ozone 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

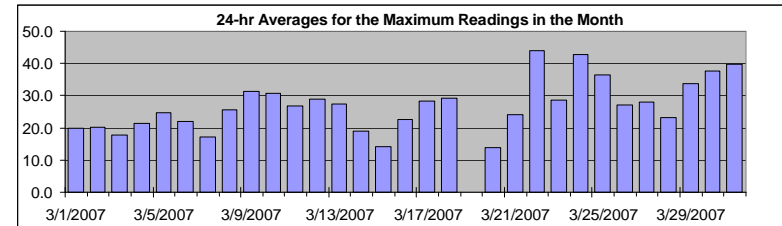
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

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

Summary

Maximum 1-hr Value:	59.2	ppb	30-Mar	16:00 17:00
Maximum 24-hr Value:	44.1	ppb	22-Mar	



AIC Time:	32 hrs	Operational Time:	705 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	50.0	45.4	35.2	27.4	20.5	2.1	0.4	26.8 ppb	27.4 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Mar-07	22	23	18	7	20	14	2	5	A	19	25	26	27	30	32	32	32	27	11	1	13	23	25	24	19.9	32.4
2-Mar-07	25	26	26	26	25	23	2	A	15	22	24	24	23	24	26	25	26	23	22	15	16	14	0	10	20.2	26.5
3-Mar-07	9	10	11	11	5	6	A	0	4	17	21	25	28	27	28	27	26	25	22	21	22	21	20	21	17.7	27.7
4-Mar-07	21	20	20	19	21	A	20	20	19	20	21	21	22	23	24	23	23	22	21	21	22	22	21	21	21.2	24.0
5-Mar-07	22	23	23	25	A	24	23	22	22	23	24	25	26	27	27	27	27	26	23	22	25	26	28	29	24.8	28.6
6-Mar-07	28	29	29	A	27	26	22	21	22	24	25	25	26	24	25	25	18	20	17	17	11	12	14	16	21.8	29.1
7-Mar-07	14	12	1	0	1	A	4	1	9	17	21	21	23	26	23	30	29	33	36	34	5	19	21	13	17.0	35.5
8-Mar-07	2	0	43	42	A	4	0	3	9	33	40	37	40	40	39	40	38	25	28	27	25	9	31	32	25.5	42.9
9-Mar-07	31	36	36	A	31	29	18	2	13	30	31	23	31	33	38	40	38	38	41	35	33	35	35	41	31.2	41.0
10-Mar-07	42	41	A	36	32	28	16	17	29	28	30	31	32	35	35	34	32	31	30	29	29	29	29	28	30.8	41.6
11-Mar-07	27	A	27	27	27	27	28	28	27	27	27	28	28	28	28	26	26	24	27	28	28	27	21	22	26.7	28.3
12-Mar-07	A	21	25	26	26	25	24	24	24	20	25	32	34	36	33	35	34	38	35	25	31	29	28	A	28.8	38.3
13-Mar-07	31	32	35	34	26	34	2	10	15	30	35	39	38	38	38	41	40	27	30	26	26	3	A	2	27.6	41.1
14-Mar-07	18	14	15	14	19	20	20	11	6	10	13	22	34	35	28	28	29	30	28	21	13	A	1	10	19.1	35.1
15-Mar-07	11	11	9	10	6	0	1	3	7	15	16	23	23	36	34	25	33	34	11	9	A	3	2	2	14.0	36.3
16-Mar-07	4	4	1	1	17	16	15	17	27	26	29	31	33	34	33	33	31	31	29	A	28	28	27	27	22.6	33.6
17-Mar-07	24	28	30	26	24	27	25	24	23	26	27	29	31	33	34	33	33	32	A	30	28	29	27	27	28.3	33.7
18-Mar-07	26	26	27	25	24	23	23	17	24	27	28	29	29	31	34	34	34	A	34	33	33	36	36	38	29.2	37.5
19-Mar-07	37	35	35	34	32	31	27	29	31	31	C	C	C	C	C	C	C	28	9	9	7	11	9	11	N	37.0
20-Mar-07	9	8	5	11	14	A	10	6	13	13	14	8	8	7	11	22	23	22	24	24	23	22	14	7	13.8	24.5
21-Mar-07	1	1	2	7	A	5	1	1	0	14	36	41	42	41	34	25	31	37	38	39	40	41	41	40	24.2	42.4
22-Mar-07	44	45	45	45	44	A	42	43	43	45	45	46	46	46	46	46	45	46	44	45	44	42	39	35	44.1	46.4
23-Mar-07	33	25	2	12	A	21	14	29	25	25	34	33	40	43	43	26	19	33	34	32	31	35	35	37	28.7	42.8
24-Mar-07	35	43	43	A	43	42	35	32	34	38	42	45	50	48	47	47	45	46	50	48	48	45	41	40	42.9	50.3
25-Mar-07	34	37	A	31	29	20	28	28	32	36	39	43	43	44	45	45	43	42	42	34	34	41	38	32	36.6	44.9
26-Mar-07	36	A	30	35	34	22	2	7	30	38	36	40	42	48	49	47	42	39	29	11	1	4	1	1	27.1	48.5
27-Mar-07	A	1	3	1	20	25	2	22	26	30	40	47	46	46	47	47	46	45	42	37	18	14	8	A	28.0	47.3
28-Mar-07	1	0	5	2	1	3	4	16	21	21	24	38	40	44	45	45	51	44	44	28	21	2	A	33	23.2	50.6
29-Mar-07	34	38	34	33	33	34	25	24	35	27	33	37	49	48	43	40	43	40	32	35	20	A	22	17	33.8	48.7
30-Mar-07	24	30	30	33	36	18	2	11	27	37	37	36	42	43	48	54	59	57	52	57	A	43	45	43	37.7	59.2
31-Mar-07	43	42	42	40	33	33	29	33	37	38	39	42	44	44	44	44	44	42	42	A	39	39	40	40	39.8	44.3
Hourly Avg	23.7	22.8	22.5	21.9	24.1	21.5	15.6	16.9	21.7	26.0	29.3	31.6	34.0	35.5	35.3	34.9	34.7	33.6	30.9	27.4	24.7	24.4	24.2	24.1		
Hourly Max	43.7	45.1	45.3	45.4	43.9	42.2	42.4	42.6	43.0	44.6	44.7	46.5	50.0	48.4	48.5	54.3	59.2	56.7	52.4	56.9	48.4	45.4	44.6	43.1		

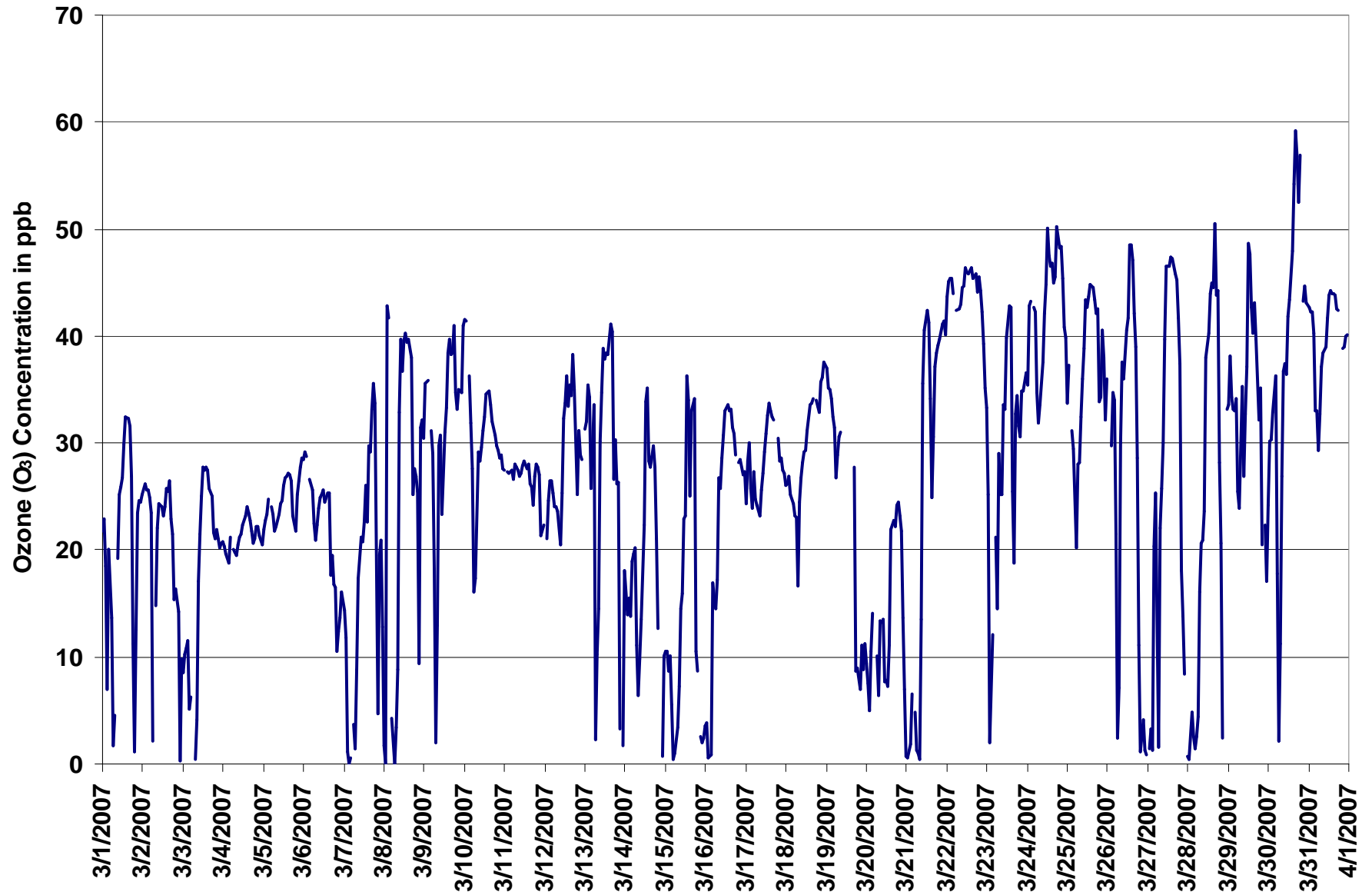
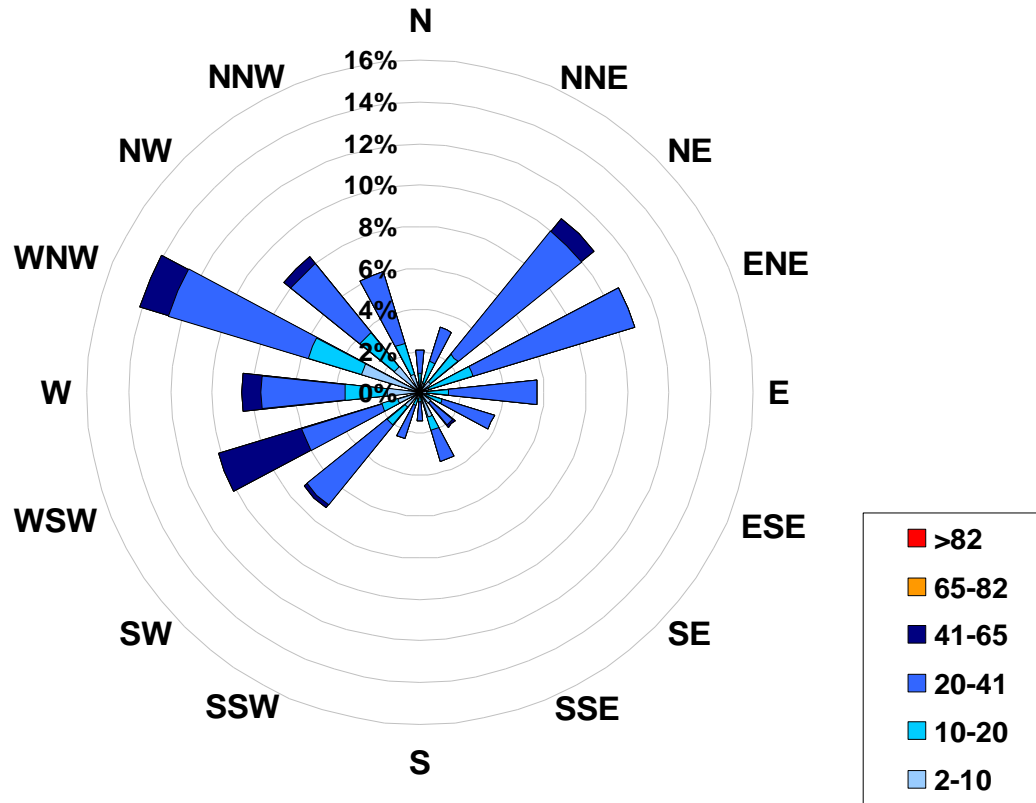


Figure 8. PASZA - Henry Pirker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			
Range			Frequency (hrs)
2.0	<	10	151
10	to	20	124
20	to	41	378
41	to	65	52
65	to	82	0
	>	82	0
Total Non-Zero Values			705

PASZA - Henry Pirker - Ozone Eight Hour Average Summary

Station: Henry Pirker
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

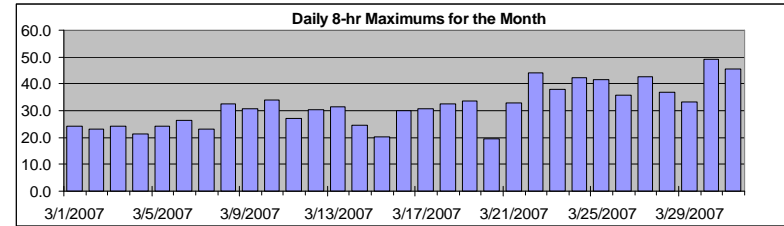
Monitoring Dates: March 1, 2007 to April 1, 2007

Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	49.1 ppb 30-Mar 21:00 22:00

Percentile							
99	95	75	50	25	5	1	
44.2	41.4	29.1	22.1	15.1	3.9	0.8	



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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Mar-07	16	15	13	12	10	10	8	7	6	6	7	10	13	16	20	24	24	24	22	19	17	15	15	14	24.4
2-Mar-07	14	15	18	21	23	22	19	19	17	16	16	15	15	16	20	20	22	22	22	20	18	16	13	11	23.0
3-Mar-07	8	6	5	5	4	4	4	4	4	5	6	8	12	15	16	20	23	24	24	24	23	22	21	20	24.2
4-Mar-07	19	19	18	18	19	18	19	18	18	19	19	19	19	20	20	21	21	21	21	21	21	21	20	20	21.1
5-Mar-07	20	20	20	21	21	21	21	21	21	21	21	21	22	22	22	23	24	24	24	24	23	23	23	23	24.2
6-Mar-07	23	24	25	26	26	26	25	24	22	22	21	21	21	21	22	22	22	21	20	18	16	14	12	11	26.4
7-Mar-07	10	9	7	6	5	5	3	2	1	3	5	8	11	12	14	16	19	21	22	23	21	19	19	17	23.1
8-Mar-07	14	11	9	9	11	10	8	7	8	9	12	12	15	20	24	29	32	32	31	30	26	22	20	18	32.4
9-Mar-07	18	18	20	20	22	25	24	20	17	17	16	16	16	16	20	24	28	29	30	30	30	31	30	31	30.9
10-Mar-07	31	32	32	34	34	32	29	26	24	22	22	22	22	23	26	28	29	30	30	30	30	29	29	28	33.9
11-Mar-07	27	27	26	26	25	25	25	25	25	25	26	26	26	26	26	26	26	25	24	24	24	23	23	22	27.0
12-Mar-07	22	22	22	21	21	20	20	20	20	20	20	21	21	23	24	26	27	30	30	29	28	27	26	25	30.3
13-Mar-07	25	24	25	27	25	24	21	18	16	15	15	16	19	21	25	29	32	31	31	28	26	22	20	15	31.5
14-Mar-07	11	10	7	6	6	7	7	8	8	8	8	9	11	14	16	19	22	24	25	24	21	20	16	13	24.6
15-Mar-07	10	7	5	4	4	4	4	4	3	4	5	6	8	11	14	16	19	20	19	17	17	13	10	7	20.1
16-Mar-07	4	1	0	0	1	2	4	5	7	10	13	16	19	22	25	27	28	30	30	30	29	28	27	26	30.1
17-Mar-07	25	24	23	23	23	23	22	22	22	23	23	24	25	26	27	28	29	30	30	31	30	30	29	28	30.6
18-Mar-07	27	27	26	26	25	24	22	21	20	21	21	21	22	24	26	28	29	30	30	31	31	31	32	33	32.5
19-Mar-07	33	33	33	33	33	33	31	29	29	28	27	N	N	N	N	N	N	N	N	N	N	N	N	9	33.5
20-Mar-07	8	6	6	6	7	7	7	6	6	7	8	8	7	7	7	9	10	11	13	15	17	19	19	17	19.4
21-Mar-07	15	12	10	7	5	3	1	1	1	2	4	8	13	17	20	23	26	29	31	31	29	30	31	33	33.0
22-Mar-07	35	37	38	40	41	42	42	42	42	42	42	42	42	43	43	44	44	44	44	44	44	43	42	40	44.2
23-Mar-07	38	34	29	24	21	17	14	13	11	12	17	21	22	26	29	27	26	26	24	23	21	20	20	23	37.9
24-Mar-07	26	29	31	33	36	35	32	30	30	29	29	30	31	34	38	40	41	42	42	42	41	41	40	40	42.2
25-Mar-07	39	38	37	36	33	29	27	24	24	23	24	26	28	32	35	38	39	41	42	40	39	38	36	33	41.6
26-Mar-07	31	29	27	25	23	19	15	13	12	15	16	18	20	24	29	34	36	35	34	30	26	22	16	11	35.7
27-Mar-07	7	3	1	0	1	2	2	4	6	8	12	17	22	26	32	36	39	42	43	41	36	31	26	23	42.6
28-Mar-07	17	11	6	2	1	0	0	1	3	5	8	11	16	21	26	30	33	36	37	35	30	25	23	21	36.7
29-Mar-07	19	18	19	22	25	28	26	24	24	23	22	22	24	26	29	32	33	33	33	33	28	26	21	17	33.4
30-Mar-07	14	11	11	11	14	13	13	13	14	17	18	19	20	24	30	35	40	43	45	47	49	49	49	48	49.1
31-Mar-07	45	44	43	40	39	37	35	32	31	31	31	31	33	35	38	40	41	41	41	42	41	40	39	39	45.4

Hourly Max 45.4 43.9 42.6 40.2 41.5 41.8 42.0 42.2 42.3 42.2 42.1 42.1 42.5 42.7 43.2 43.8 44.1 44.2 44.9 47.5 48.7 49.1 48.6 47.7

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

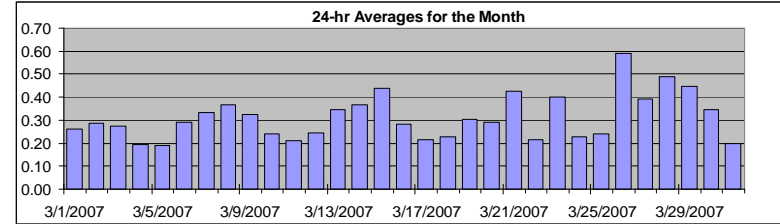
Monitoring Dates: March 1, 2007 to April 1, 2007

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

Summary

Number of 1-hr Exceedances:	0					
Maximum 1-hr Average:	1.9	ppm	26-Mar	7:00	8:00	
Maximum 24-hr Value:	0.6	ppm	26-Mar			

AIC Time:	33 hrs		Operational Time:	708 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	1.1	0.6	0.3	0.3	0.2	0.2	0.2	0.3 ppm	0.3 ppm



Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.4	A	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.26	0.51
2-Mar-07	0.2	0.2	0.2	0.2	0.2	0.3	0.7	A	0.5	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.29	0.66	
3-Mar-07	0.3	0.3	0.2	0.2	0.3	0.3	A	0.7	0.6	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	0.27	0.68	
4-Mar-07	0.2	0.2	0.2	0.2	0.1	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	0.19	0.25	
5-Mar-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.28	
6-Mar-07	0.2	0.2	0.2	A	0.2	0.3	0.4	0.5	0.4	0.4	0.4	0.5	C	C	C	A	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.29	0.48	
7-Mar-07	0.2	0.3	0.3	0.3	0.3	A	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.3	0.5	0.4	0.3	0.3	0.33	0.49	
8-Mar-07	0.5	0.5	0.2	0.2	A	0.3	0.4	0.5	0.6	0.5	0.2	0.3	0.2	0.3	0.2	0.3	0.4	0.5	0.4	0.4	0.5	0.6	0.4	0.3	0.37	0.63	
9-Mar-07	0.3	0.3	0.2	A	0.2	0.3	0.3	0.5	0.5	0.3	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.33	0.56	
10-Mar-07	0.2	0.2	A	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.24	0.37	
11-Mar-07	0.2	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	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.21	0.27	
12-Mar-07	A	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	A	0.24	0.32	
13-Mar-07	0.2	0.2	0.2	0.2	0.2	0.2	0.6	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.5	0.7	A	0.8	0.34	0.80	
14-Mar-07	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.9	0.7	0.6	0.6	0.4	0.3	0.2	0.2	0.2	0.3	0.4	0.3	0.4	0.3	0.5	A	0.3	0.37	0.93	
15-Mar-07	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.3	0.3	0.4	0.6	0.5	0.4	0.5	0.5	0.4	0.5	0.6	0.5	A	1.1	0.7	0.4	0.44	1.12	
16-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	A	0.3	0.3	0.3	0.2	0.28	0.42	
17-Mar-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	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.22	0.28	
18-Mar-07	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	0.2	0.2	0.2	A	0.3	0.3	0.2	0.2	0.2	0.2	0.23	0.28	
19-Mar-07	0.2	0.2	0.2	0.2	0.3	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	0.3	0.3	0.2	0.3	0.30	0.47	
20-Mar-07	0.3	0.3	0.3	0.3	0.3	A	0.4	0.5	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.29	0.49	
21-Mar-07	0.4	0.4	0.3	0.2	A	0.3	1.4	1.4	1.2	0.4	0.2	0.3	0.2	0.2	0.3	0.4	0.5	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.42	1.44	
22-Mar-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.22	0.28	
23-Mar-07	0.3	0.5	0.6	0.4	A	0.4	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.4	0.9	0.8	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.40	0.87	
24-Mar-07	0.2	0.2	0.2	A	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.23	0.28	
25-Mar-07	0.3	0.2	A	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.24	0.43	
26-Mar-07	0.3	A	0.2	0.3	0.3	0.7	1.6	1.9	0.6	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.3	0.3	0.4	1.0	1.3	1.0	0.8	0.7	0.59	1.87	
27-Mar-07	A	0.6	0.5	0.4	0.3	0.4	0.8	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.6	0.7	A	0.39	0.78	
28-Mar-07	0.8	0.7	0.4	0.3	0.3	0.6	0.7	0.4	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.9	1.3	A	0.3	0.49	1.30	
29-Mar-07	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.7	A	0.9	0.6	0.45	0.91	
30-Mar-07	0.5	0.4	0.4	0.4	0.3	0.4	0.6	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	A	0.2	0.2	0.2	0.34	0.57	
31-Mar-07	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	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.20	0.26	
Hourly Avg	0.28	0.29	0.26	0.24	0.24	0.30	0.45	0.48	0.39	0.32	0.29	0.31	0.27	0.26	0.27	0.29	0.30	0.29	0.29	0.32	0.36	0.37	0.31	0.29			
Hourly Max	0.80	0.66	0.55	0.45	0.34	0.68	1.55	1.87	1.18	0.64	0.56	0.64	0.48	0.44	0.47	0.87	0.80	0.54	0.58	0.96	1.29	1.30	0.91	0.80			

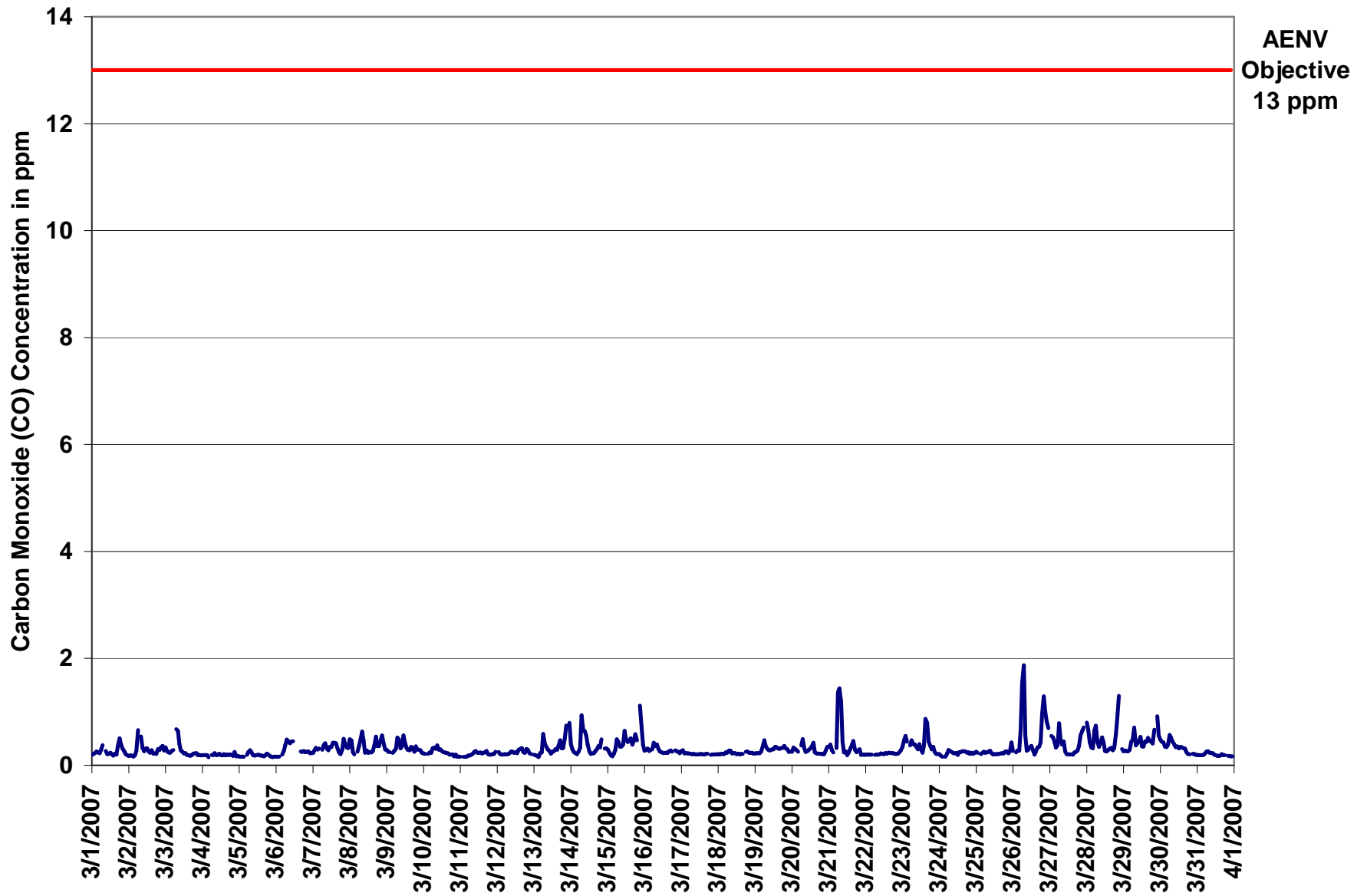


Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

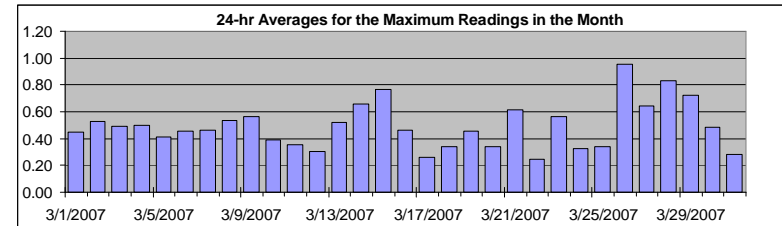
Carbon Monoxide (CO)

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

Summary

Maximum 1-hr Value:	3.5	ppm	14-Mar	7:00 8:00
Maximum 24-hr Value:	1.0	ppm	26-Mar	

AIC Time:	33 hrs	Operational Time:	708 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.9	1.2	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

Hour Start Hour End	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum		
1-Mar-07	0.3	0.3	0.5	0.4	0.5	0.4	0.5	0.7	A	0.5	0.2	0.3	0.3	0.3	0.2	0.5	0.5	1.0	1.1	0.7	0.5	0.4	0.3	0.2	0.45	1.10	
2-Mar-07	0.3	0.3	0.3	0.2	0.2	0.5	1.6	A	1.8	0.8	0.6	0.6	0.5	0.4	0.3	0.7	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.53	1.85	
3-Mar-07	0.5	0.3	0.3	0.3	0.3	0.4	A	0.9	1.4	1.8	0.3	0.3	0.6	0.6	0.3	0.3	0.2	0.3	0.4	0.4	0.5	0.2	0.4	0.2	0.49	1.78	
4-Mar-07	0.3	0.2	0.3	0.3	0.2	A	0.6	0.8	1.0	0.3	0.3	0.6	0.3	0.4	0.6	0.3	0.8	0.3	0.4	0.3	0.3	1.9	0.3	0.8	0.50	1.92	
5-Mar-07	0.4	0.2	0.3	0.2	A	0.9	1.3	0.5	0.5	0.3	0.3	0.3	0.7	0.6	0.3	0.5	0.3	0.3	0.7	0.3	0.3	0.2	0.2	0.2	0.41	1.27	
6-Mar-07	0.3	0.2	0.2	A	0.3	0.4	0.8	0.8	0.7	0.5	0.5	0.5	C	C	C	A	0.3	0.6	0.9	0.3	0.3	0.3	0.3	0.4	0.45	0.86	
7-Mar-07	0.3	0.4	0.5	0.3	0.4	A	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.7	0.5	0.3	0.3	0.5	0.7	0.6	0.4	0.6	0.46	0.70	
8-Mar-07	0.6	0.6	0.4	0.2	A	0.3	0.6	1.0	0.9	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.5	1.1	0.5	0.6	0.6	0.7	0.7	0.4	0.54	1.05	
9-Mar-07	0.4	0.3	0.3	A	0.3	0.4	0.7	0.9	0.9	0.6	0.8	0.9	0.6	0.5	0.5	0.6	0.6	1.2	0.4	0.5	0.4	0.4	0.4	0.3	0.56	1.18	
10-Mar-07	0.4	0.2	A	0.3	0.3	0.3	0.5	0.4	0.6	0.9	0.4	0.6	0.4	0.7	0.6	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.2	0.3	0.39	0.92	
11-Mar-07	0.2	A	0.2	0.2	0.2	0.3	0.3	0.2	0.6	0.6	0.8	0.5	0.7	0.4	0.5	0.3	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.36	0.81	
12-Mar-07	A	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	A	0.31	0.41	
13-Mar-07	0.2	0.2	0.2	0.2	0.3	0.5	1.0	0.7	0.6	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.5	0.6	0.4	0.4	0.9	1.5	A	1.0	0.52	1.50	
14-Mar-07	0.7	0.4	0.3	0.3	0.2	0.4	0.7	3.5	1.2	0.9	0.7	0.6	0.3	0.2	0.5	0.3	0.4	0.4	0.9	0.5	0.8	A	0.4	0.4	0.66	3.52	
15-Mar-07	0.6	0.3	0.2	0.2	0.3	0.6	2.0	0.7	0.4	0.4	0.5	1.1	0.6	0.6	0.7	0.8	0.6	1.1	1.1	1.3	A	1.6	1.2	0.9	0.76	2.05	
16-Mar-07	0.4	0.4	0.4	0.3	0.3	0.6	1.0	0.9	1.5	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.3	A	0.4	0.4	0.4	0.3	0.3	0.46	1.45	
17-Mar-07	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	A	0.3	0.2	0.2	0.2	0.3	0.26	0.35	
18-Mar-07	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.3	A	0.4	0.4	0.3	0.4	0.8	0.3	0.34	0.84
19-Mar-07	0.3	0.3	0.3	0.3	0.4	0.9	1.0	0.6	0.8	0.5	0.3	0.5	0.4	0.4	0.4	0.7	0.4	0.4	0.3	0.5	0.3	0.3	0.3	0.3	0.46	0.99	
20-Mar-07	0.3	0.4	0.4	0.3	0.3	A	0.4	0.5	0.5	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.34	0.53	
21-Mar-07	0.4	0.4	0.3	0.2	A	0.9	2.8	1.7	1.4	0.8	0.3	0.3	0.2	0.3	0.4	0.5	0.7	0.4	0.3	0.3	0.5	0.2	0.2	0.2	0.61	2.80	
22-Mar-07	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.25	0.35	
23-Mar-07	0.4	0.6	0.8	0.6	A	0.5	0.6	0.6	0.6	0.4	0.3	0.5	0.5	0.3	0.6	1.5	1.1	0.7	0.5	0.4	0.5	0.3	0.3	0.2	0.56	1.51	
24-Mar-07	0.2	0.2	0.2	A	0.2	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.33	0.50	
25-Mar-07	0.3	0.3	A	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.5	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.6	0.7	0.34	0.74	
26-Mar-07	0.5	A	0.3	0.3	0.4	1.5	3.0	3.0	1.4	0.4	0.4	0.6	0.5	0.4	0.3	0.4	0.5	0.5	0.5	1.9	1.9	1.3	1.2	0.9	0.96	3.03	
27-Mar-07	A	0.8	0.7	0.5	0.6	0.9	1.8	1.0	0.6	0.7	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.7	1.1	1.2	A	0.64	1.76	
28-Mar-07	1.2	0.8	0.6	0.5	0.4	2.8	1.2	0.8	0.5	0.7	0.7	0.6	0.3	0.4	0.4	0.5	0.4	0.5	0.4	0.5	1.4	1.4	2.1	A	0.5	0.83	2.84
29-Mar-07	0.4	0.3	0.3	0.4	0.7	1.2	0.8	1.2	0.7	0.5	0.6	0.7	0.5	0.5	1.1	0.6	1.2	0.7	0.7	0.6	1.0	A	1.4	0.8	0.72	1.35	
30-Mar-07	0.9	0.5	0.6	0.6	0.5	0.5	1.0	0.9	0.6	0.7	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	A	0.3	0.3	0.2	0.48	0.95	
31-Mar-07	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.4	0.5	0.4	A	0.3	0.3	0.2	0.2	0.29	0.51	
Hourly Avg	0.40	0.35	0.35	0.30	0.32	0.64	0.90	0.84	0.74	0.53	0.42	0.44	0.40	0.39	0.41	0.45	0.46	0.49	0.46	0.51	0.52	0.60	0.47	0.42			
Hourly Max	1.19	0.84	0.81	0.60	0.65	2.84	3.03	3.52	1.85	1.78	0.84	1.08	0.70	0.73	1.06	1.51	1.19	1.18	1.10	1.90	1.90	2.14	1.35	0.97			

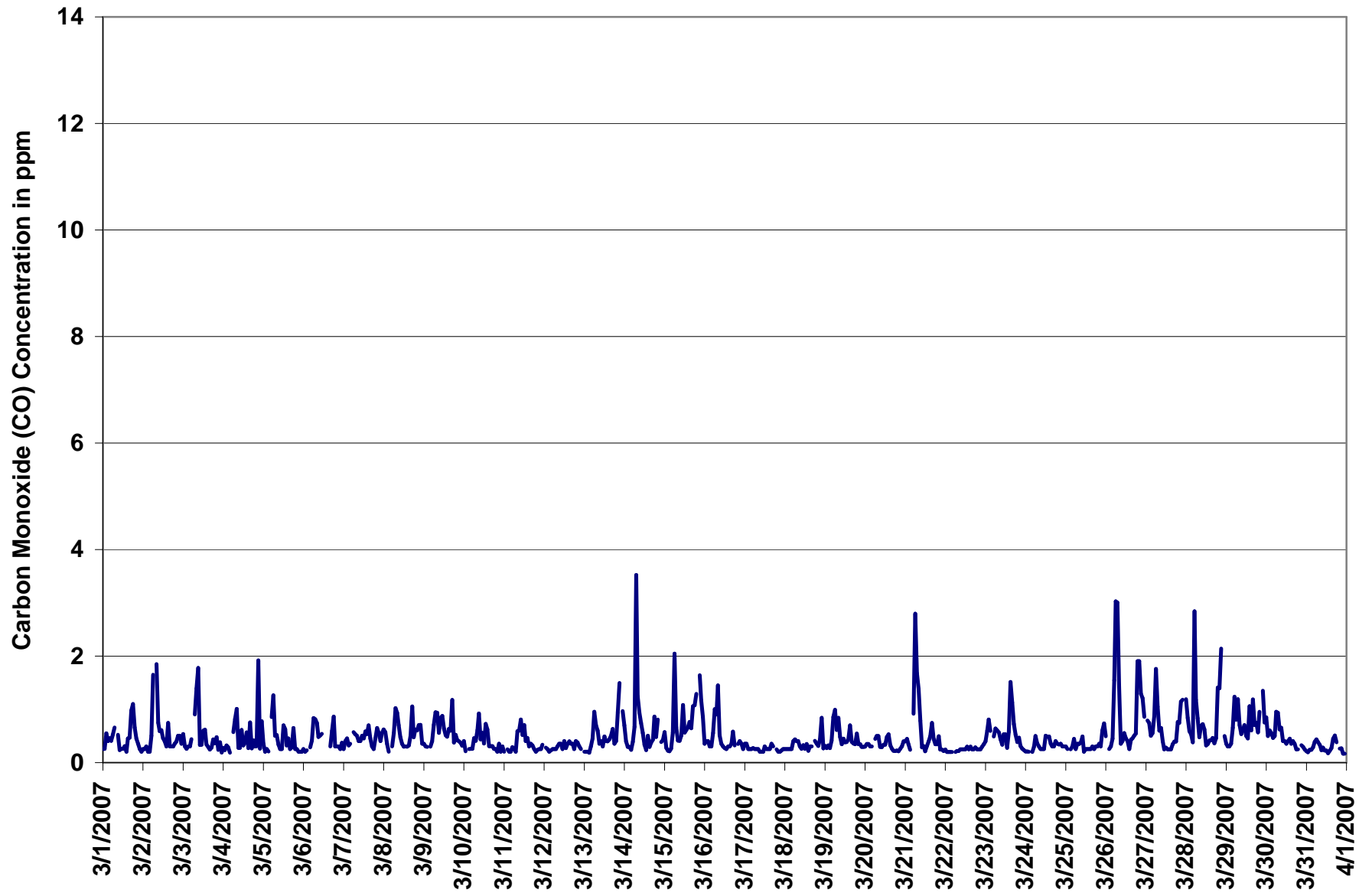
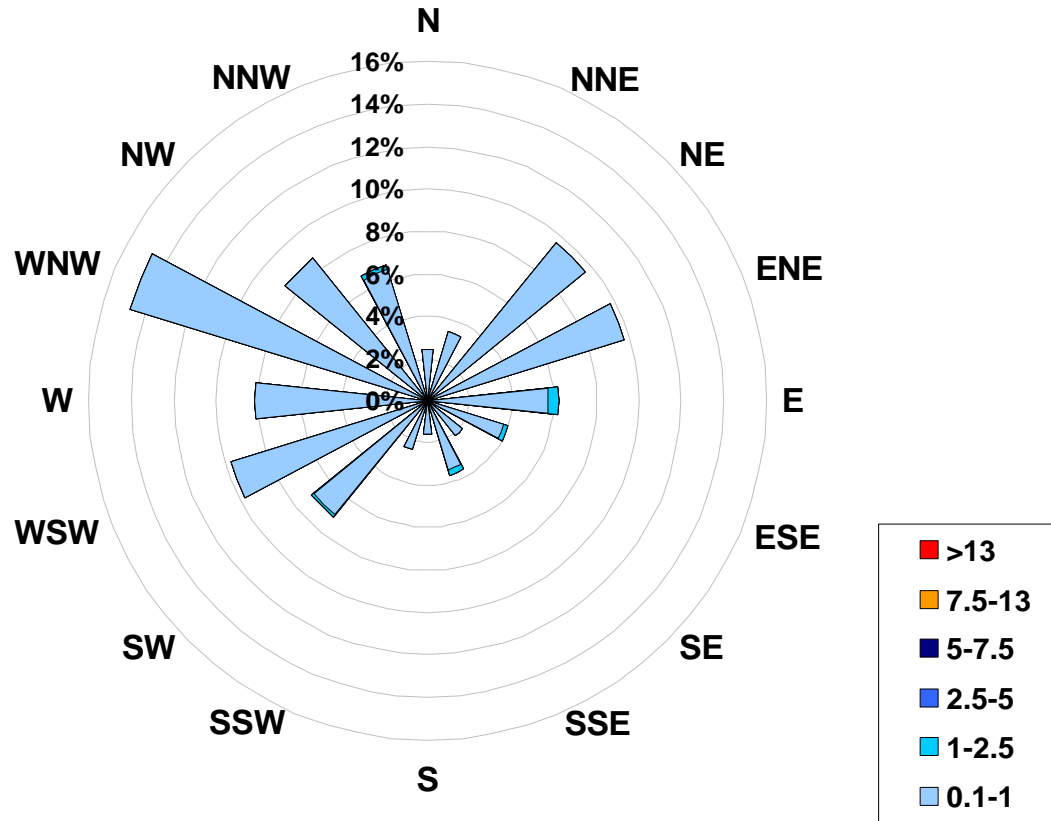


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of CO in ppm			Frequency (hrs)
Range			
0.1	<	1	699
1	to	2.5	9
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
	>	13	0
Total Non-Zero Values			708

PASZA - Henry Pirker - Carbon Monoxide Eight Hour Average Summary

Station: Henry Pirker
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

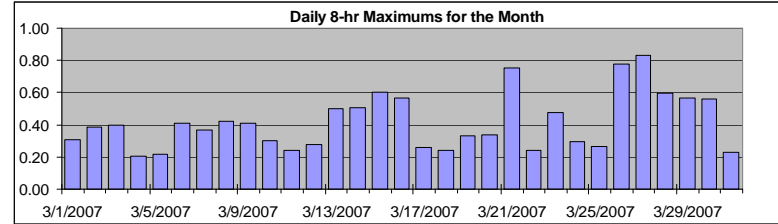
Carbon Monoxide (CO)

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

Objective Limit: Alberta Environment: 8-hr 5 ppm

Summary

Number of 8-hr Exceedances:	0						
Maximum 8-hr Average:	0.8	ppm	27-Mar	2:00	3:00		



Percentile	99	95	75	50	25	5	1
	0.7	0.6	0.4	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 Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	
1-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.31
2-Mar-07	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	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	0.38
3-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.40
4-Mar-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20
5-Mar-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	0.22
6-Mar-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	N	N	N	N	N	N	N	N	N	0.3	0.2	0.41
7-Mar-07	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.37
8-Mar-07	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.42
9-Mar-07	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.41
10-Mar-07	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.30
11-Mar-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	0.24
12-Mar-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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.28
13-Mar-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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.50
14-Mar-07	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.51
15-Mar-07	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.60
16-Mar-07	0.6	0.5	0.5	0.5	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	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.57
17-Mar-07	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.26
18-Mar-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	0.24
19-Mar-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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.33
20-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.34
21-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.7	0.8	0.7	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.75
22-Mar-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	0.24
23-Mar-07	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.47
24-Mar-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.29
25-Mar-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.26
26-Mar-07	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.5	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.7	0.78
27-Mar-07	0.8	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.83
28-Mar-07	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.59
29-Mar-07	0.6	0.6	0.6	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.57
30-Mar-07	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.56
31-Mar-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	0.23

Hourly Max	0.79	0.82	0.83	0.76	0.62	0.56	0.56	0.74	0.78	0.75	0.75	0.75	0.74	0.69	0.54	0.45	0.46	0.47	0.49	0.47	0.51	0.60	0.68	0.73
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PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

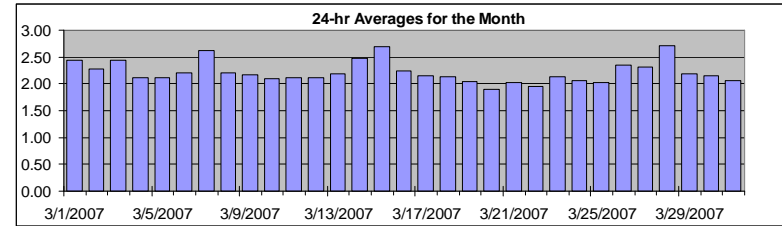
Total Hydrocarbons (THC)

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

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

Maximum 1-hr Average:	7.2	ppm	28-Mar	21:00 22:00
Maximum 24-hr Value:	2.7	ppm	28-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.2	2.8	2.3	2.1	2.1	1.9	1.8	2.2 ppm	2.1 ppm



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00		
1-Mar-07	2.4	2.4	2.5	2.7	2.6	2.5	2.5	2.5	A	2.5	2.5	2.6	2.4	2.3	2.3	2.2	2.3	2.4	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.43	2.72
2-Mar-07	2.2	2.2	2.2	2.2	2.2	2.3	2.5	A	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6	2.4	2.28	2.56	
3-Mar-07	2.4	2.4	2.6	2.9	2.9	2.7	A	3.1	3.3	2.9	2.8	2.4	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.44	3.33	
4-Mar-07	2.1	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.14	
5-Mar-07	2.1	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.11	2.15	
6-Mar-07	2.1	2.1	2.1	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	2.3	2.3	2.2	2.2	2.3	2.2	2.3	2.3	2.21	2.32	
7-Mar-07	2.4	2.4	2.5	2.6	2.7	A	2.8	3.3	3.4	3.2	3.0	2.8	2.8	2.8	2.9	2.8	2.7	2.1	2.0	2.0	2.2	2.3	2.3	2.5	2.62	3.37	
8-Mar-07	2.6	2.5	2.1	2.1	A	2.3	2.4	2.4	2.5	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.2	2.2	2.21	2.61	
9-Mar-07	2.1	2.1	2.1	A	2.1	2.1	2.3	2.5	2.6	2.3	2.2	2.3	2.3	2.2	2.1	2.1	2.2	2.1	2.0	2.1	2.1	2.0	2.0	2.0	2.18	2.58	
10-Mar-07	2.0	2.0	A	2.0	2.1	2.1	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	2.1	2.1	2.1	2.1	2.1	2.10	2.23	
11-Mar-07	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.12	2.18	
12-Mar-07	A	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.12	2.19	
13-Mar-07	2.1	2.1	2.1	2.1	2.3	2.2	2.4	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.1	2.1	2.3	2.5	A	2.19	2.59	
14-Mar-07	2.3	2.4	2.5	2.6	2.7	2.8	2.6	2.9	3.0	3.0	2.7	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	A	2.4	2.47	3.03	
15-Mar-07	2.5	2.6	2.6	2.6	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.2	3.0	2.6	2.5	2.5	2.3	2.3	2.5	2.6	A	2.8	2.6	2.4	2.69	3.21	
16-Mar-07	2.4	2.4	2.5	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	A	2.2	2.2	2.2	2.2	2.23	2.51	
17-Mar-07	2.2	2.2	2.1	2.1	2.1	2.2	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.2	A	2.1	2.1	2.1	2.1	2.1	2.15	2.27	
18-Mar-07	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	A	2.1	2.1	2.1	2.1	2.1	2.1	2.14	2.23	
19-Mar-07	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	C	C	2.1	2.1	2.0	2.0	2.0	2.04	2.11	
20-Mar-07	2.0	2.0	2.0	2.0	1.9	A	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.9	2.0	1.90	2.00	
21-Mar-07	2.0	2.1	2.0	2.0	A	2.1	2.4	2.3	2.2	1.9	1.8	C	C	C	A	2.2	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.02	2.42	
22-Mar-07	1.9	1.9	1.9	1.9	1.9	A	1.9	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	1.95	2.14	
23-Mar-07	2.1	2.3	2.5	2.4	A	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.9	2.0	2.5	2.5	2.1	2.0	2.0	2.0	1.9	1.9	1.9	2.13	2.53	
24-Mar-07	1.9	1.9	1.9	A	3.3	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.3	1.9	1.9	1.9	2.0	2.0	2.0	2.07	3.31	
25-Mar-07	2.1	2.1	A	2.0	2.1	2.2	2.1	2.2	2.1	2.1	2.0	1.9	2.0	1.9	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.03	2.18	
26-Mar-07	2.1	A	2.1	2.2	2.2	2.4	2.8	2.8	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.2	2.2	2.3	2.6	2.8	2.7	2.7	2.7	2.34	2.85	
27-Mar-07	A	2.8	2.8	2.6	2.5	2.5	2.7	2.6	2.8	2.5	2.3	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.2	2.4	2.5	A	2.31	2.81		
28-Mar-07	2.8	2.7	2.4	2.4	2.5	2.7	2.8	2.7	2.9	2.8	2.8	2.6	2.2	2.1	2.1	2.1	2.1	2.0	2.1	3.3	3.1	7.2	A	2.2	2.71	7.15	
29-Mar-07	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.3	2.2	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.4	A	2.6	2.4	2.19	2.59	
30-Mar-07	2.3	2.4	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.1	2.1	2.2	2.1	2.1	2.0	1.9	1.9	A	2.0	1.9	2.0	2.15	2.37	
31-Mar-07	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.3	2.4	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.1	2.05	2.35	
Hourly Avg	2.19	2.23	2.23	2.24	2.29	2.27	2.31	2.36	2.35	2.30	2.25	2.22	2.17	2.14	2.13	2.14	2.14	2.11	2.10	2.17	2.19	2.34	2.18	2.19			
Hourly Max	2.80	2.81	2.81	2.88	3.31	2.80	2.81	3.32	3.37	3.19	3.02	3.21	3.00	2.85	2.87	2.79	2.66	2.39	2.54	3.29	3.08	7.15	2.70	2.72			

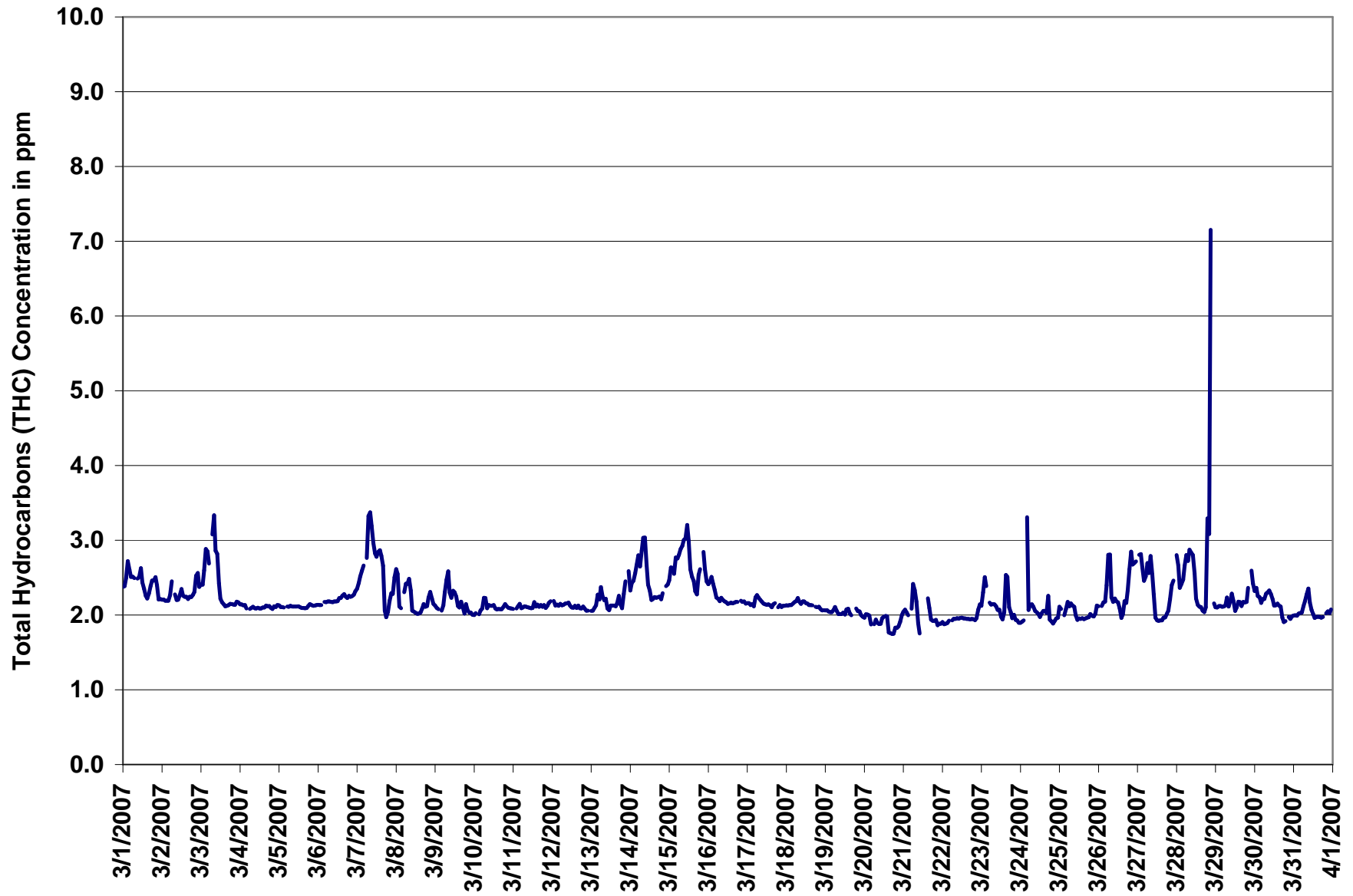


Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

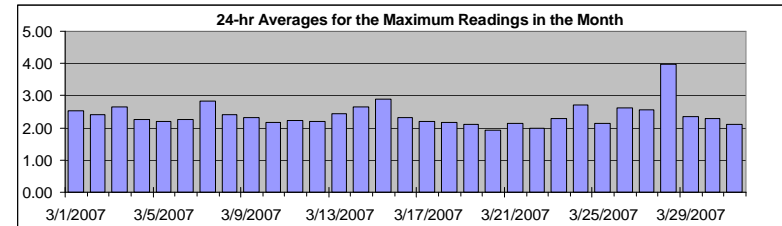
Total Hydrocarbons (THC)

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

Summary

Maximum 1-hr Value:	24.9	ppm	28-Mar	21:00 22:00
Maximum 24-hr Value:	4.0	ppm	28-Mar	

AIC Time:	33 hrs	Operational Time:	706 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	3.7	3.1	2.5	2.2	2.1	2.0	1.9	2.4 ppm	2.2 ppm



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	2.4	2.4	2.6	2.9	2.7	2.6	2.6	2.6	A	2.6	2.7	2.7	2.5	2.5	2.4	2.3	2.4	2.5	2.7	2.7	2.6	2.6	2.2	2.2	2.54	2.86
2-Mar-07	2.2	2.2	2.2	2.2	2.3	2.6	2.7	A	2.4	2.4	2.4	2.3	2.5	2.4	2.3	2.4	2.2	2.3	2.3	2.3	2.4	2.7	2.8	2.6	2.40	2.81
3-Mar-07	2.5	2.5	2.9	3.2	3.0	2.9	A	3.5	4.7	3.7	3.0	2.6	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.65	4.70
4-Mar-07	2.2	2.2	2.2	2.2	2.1	A	2.2	2.6	2.4	2.1	2.1	2.4	2.2	2.2	2.2	2.1	2.3	2.1	2.2	2.1	2.1	3.1	2.1	2.3	2.24	3.10
5-Mar-07	2.2	2.1	2.2	2.1	A	2.3	2.5	2.2	2.2	2.2	2.2	2.1	2.4	2.3	2.1	2.2	2.1	2.3	2.2	2.2	2.1	2.2	2.2	2.2	2.20	2.45
6-Mar-07	2.2	2.1	2.2	A	2.2	2.2	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.27	2.53
7-Mar-07	2.5	2.7	2.6	2.7	2.7	A	3.0	3.5	3.4	3.4	3.1	3.0	2.9	3.0	3.1	3.2	2.8	2.7	2.0	2.1	2.6	2.5	2.6	3.1	2.83	3.49
8-Mar-07	2.9	3.3	2.4	2.2	A	2.5	2.7	2.9	3.0	2.5	2.2	2.1	2.1	2.0	2.1	2.1	2.2	2.3	2.2	2.2	2.3	2.4	2.4	2.3	2.40	3.25
9-Mar-07	2.2	2.1	2.1	A	2.1	2.4	2.5	2.6	3.0	2.5	2.6	2.5	2.5	2.5	2.3	2.2	2.3	2.3	2.1	2.3	2.2	2.1	2.1	2.0	2.32	2.95
10-Mar-07	2.0	2.1	A	2.1	2.1	2.1	2.4	2.3	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.16	2.42
11-Mar-07	2.1	A	2.1	2.2	2.3	2.1	2.2	2.1	2.2	2.2	2.2	2.1	2.4	3.1	2.2	2.2	2.2	2.2	2.1	2.2	2.1	2.2	2.3	2.3	2.23	3.06
12-Mar-07	A	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	A	2.19	2.27
13-Mar-07	2.1	2.2	2.3	2.3	2.8	2.5	3.0	2.5	2.4	2.5	2.2	2.1	2.2	2.2	2.3	2.4	2.6	2.5	2.8	2.1	2.5	2.7	A	2.8	2.45	3.00
14-Mar-07	2.5	2.5	2.6	2.6	2.9	2.9	2.8	3.2	3.7	3.7	3.0	2.6	2.5	2.2	2.3	2.3	2.3	2.3	2.4	2.3	2.4	A	2.4	2.5	2.65	3.73
15-Mar-07	2.6	2.8	2.8	2.7	2.8	2.8	3.1	3.0	3.0	3.1	3.1	3.6	3.1	3.0	2.8	2.7	2.6	2.5	2.7	2.8	A	3.2	2.8	2.6	2.88	3.64
16-Mar-07	2.5	2.6	2.7	2.6	2.4	2.3	2.3	2.3	3.0	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	A	2.2	2.2	2.2	2.2	2.33	2.98
17-Mar-07	2.2	2.2	2.2	2.2	2.1	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	A	2.1	2.2	2.1	2.1	2.1	2.19	2.36
18-Mar-07	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.2	2.2	A	2.2	2.1	2.1	2.1	2.2	2.1	2.17	2.29
19-Mar-07	2.1	2.1	2.1	2.1	2.1	2.3	2.2	2.2	2.1	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.0	C	C	2.1	2.1	2.1	2.0	2.0	2.10	2.28
20-Mar-07	2.0	2.0	2.0	2.1	1.9	A	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.1	1.94	2.10
21-Mar-07	2.1	2.1	2.1	2.0	A	2.3	2.6	2.4	2.3	2.0	2.0	C	C	C	A	2.5	2.3	2.0	2.0	2.0	2.1	1.9	1.9	1.9	2.13	2.65
22-Mar-07	2.0	1.9	1.9	1.9	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.00	2.23
23-Mar-07	2.2	2.5	2.7	2.6	A	2.3	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.2	2.4	2.9	2.8	2.4	2.2	2.0	2.1	2.0	2.0	1.9	2.28	2.85
24-Mar-07	1.9	2.0	2.0	A	13.9	2.2	2.2	2.3	2.7	2.1	2.1	2.1	2.0	2.1	2.3	2.2	2.3	3.6	2.4	2.0	1.9	2.0	2.0	2.2	2.71	13.88
25-Mar-07	2.3	2.2	A	2.0	2.4	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.3	2.3	2.14	2.38
26-Mar-07	2.3	A	2.4	2.4	2.3	2.9	3.7	3.4	2.6	2.2	2.3	2.5	2.3	2.2	2.0	2.2	2.2	2.3	2.5	3.1	3.4	3.0	2.9	3.1	2.62	3.68
27-Mar-07	A	3.4	3.1	2.9	2.8	2.8	2.9	2.8	4.0	3.1	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.4	2.9	2.7	A	2.57	4.02
28-Mar-07	3.0	2.9	2.6	2.6	2.6	3.3	3.1	2.9	3.2	2.9	3.0	2.9	2.3	2.2	2.2	2.2	2.2	2.1	2.3	7.8	6.0	24.9	A	2.4	3.98	24.93
29-Mar-07	2.2	2.2	2.2	2.1	2.2	2.3	2.3	2.3	2.3	2.4	2.9	2.3	2.2	2.2	2.3	2.3	2.3	2.5	2.4	2.3	2.6	A	2.9	2.6	2.36	2.93
30-Mar-07	2.5	2.5	2.6	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.0	2.0	A	2.1	2.0	2.0	2.28	2.55
31-Mar-07	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.3	2.4	2.4	2.3	2.1	2.1	2.0	2.0	2.0	2.1	2.0	2.0	A	2.1	2.1	2.1	2.1	2.11	2.38
Hourly Avg	2.28	2.35	2.34	2.35	2.80	2.45	2.50	2.53	2.63	2.45	2.37	2.33	2.27	2.26	2.25	2.25	2.24	2.28	2.22	2.41	2.39	3.10	2.28	2.31		
Hourly Max	3.04	3.39	3.06	3.19	13.88	3.35	3.68	3.49	4.70	3.73	3.10	3.64	3.10	3.06	3.11	3.16	2.82	3.62	2.77	7.81	6.04	24.93	2.93	3.08		

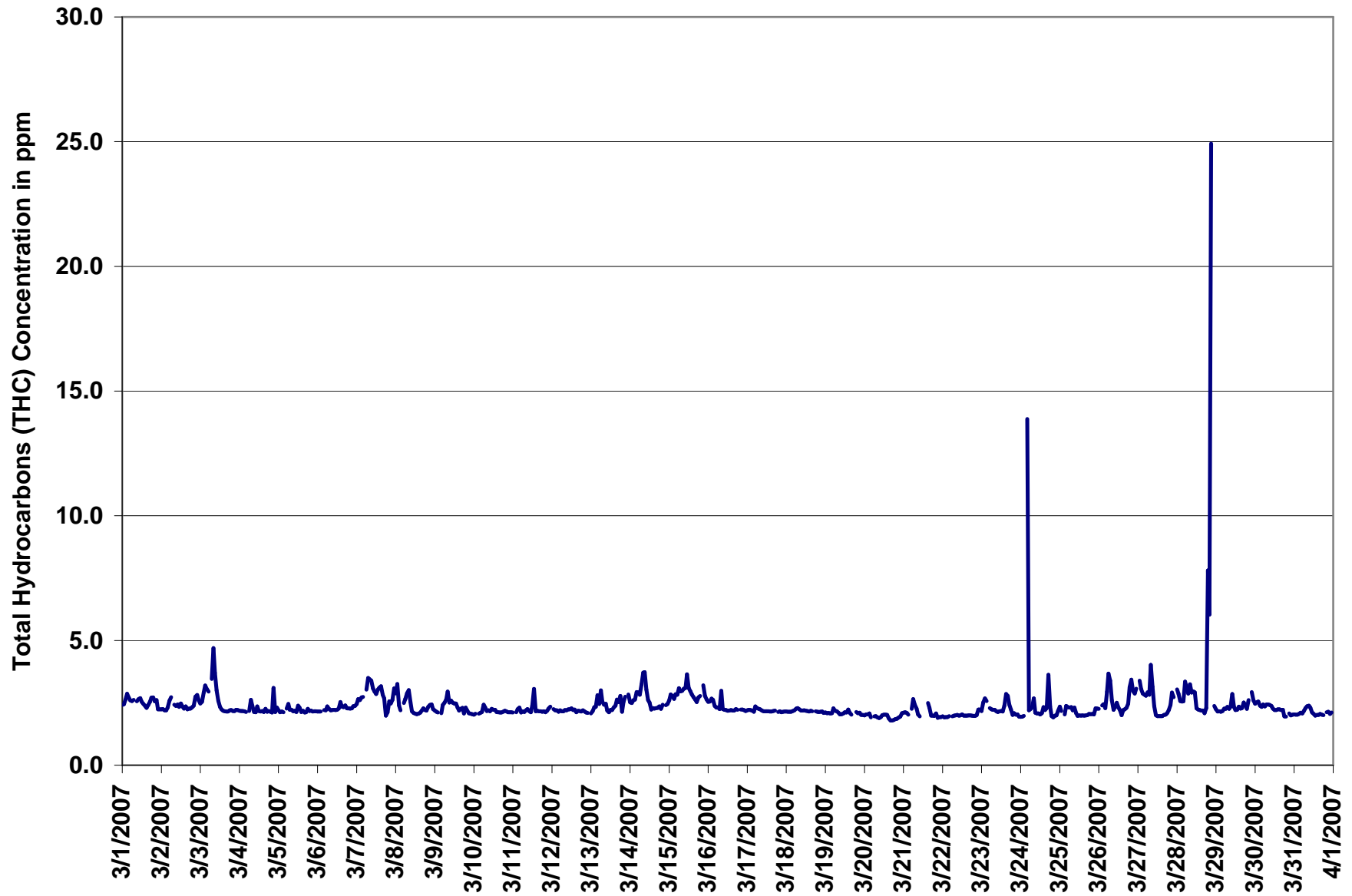
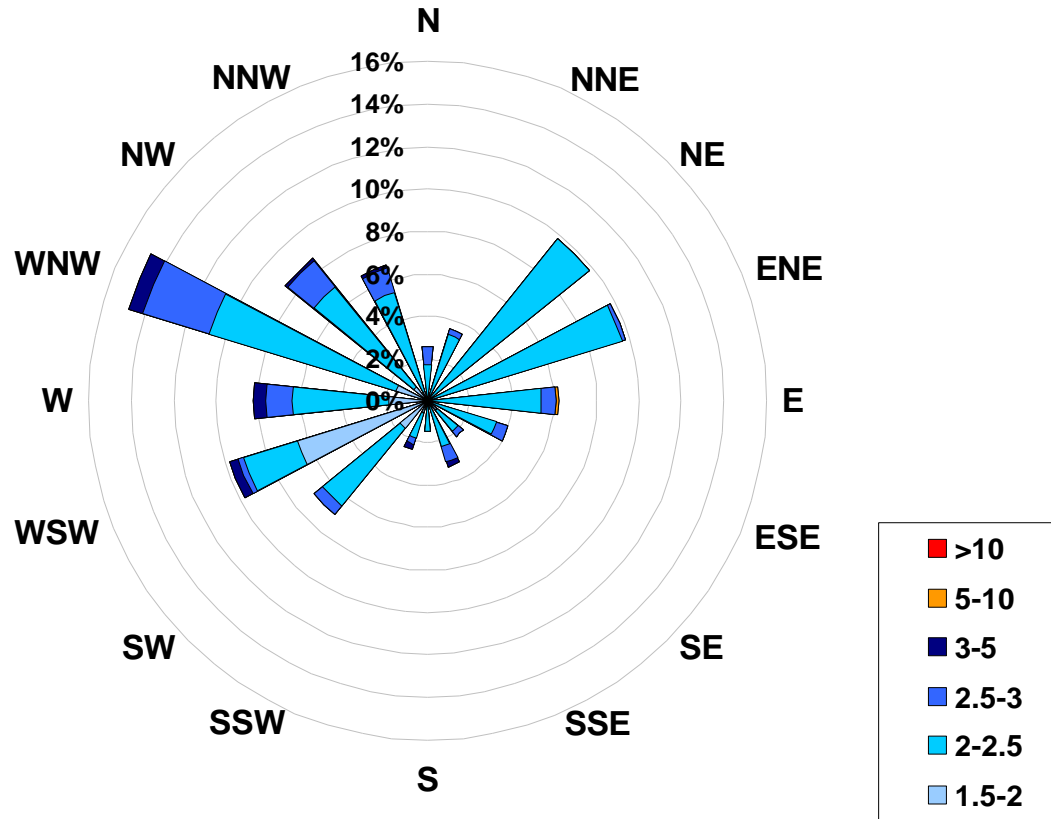


Figure 12. PASZA - Henry Pirker Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of THC in ppm			Frequency (hrs)
Range			
1.5	<	2	106
2	to	2.5	505
2.5	to	3	81
3	to	5	13
5	to	10	1
	>	10	0
Total Non-Zero Values			706

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

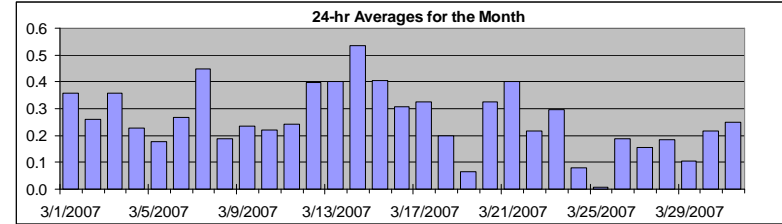
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

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

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

Summary				
Maximum 1-hr Average:	1.0	ppb	21-Mar	7:00 8:00
Maximum 24-hr Value:	0.5	ppb	14-Mar	



AIC Time:	32 hrs	Operational Time:	708 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.6	0.3	0.2	0.2	0.0	0.0	0.3 ppb	0.2 ppb

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum				
	Hour Start	Hour End	0:00	1:00	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-Mar-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	0	0.4	0.5
2-Mar-07	0	0	0	0	0	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
3-Mar-07	0	0	0	0	0	0	0	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8	
4-Mar-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	0.2	0.3	
5-Mar-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	0.2	0.4	
6-Mar-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	0.3	0.5	
7-Mar-07	0	0	1	0	1	A	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.4	0.9	
8-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4		
9-Mar-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	0.2	0.5		
10-Mar-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	0.2	0.3		
11-Mar-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3		
12-Mar-07	A	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.7		
13-Mar-07	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	A	1	0.4	0.7		
14-Mar-07	1	1	0	0	0	0	1	1	1	1	1	1	0	1	0	1	1	1	0	0	1	0	1	A	1	0	0.5	0.9		
15-Mar-07	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	A	1	0	0	0.4	0.7		
16-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.3	0.4		
17-Mar-07	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.3	0.7		
18-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.2	0.3		
19-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0.1	0.2		
20-Mar-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	1	0	0.3	0.5		
21-Mar-07	0	1	1	0	A	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.0		
22-Mar-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	0.2	0.3		
23-Mar-07	0	0	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	0.6		
24-Mar-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3		
25-Mar-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	0.0	0.1		
26-Mar-07	0	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6		
27-Mar-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	A	0.2	0.3		
28-Mar-07	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	A	0.2	0.5		
29-Mar-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	0.1	0.4		
30-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.2	0.4		
31-Mar-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		
Hourly Avg	0.2	0.3	0.3	0.2	0.3	0.3	0.3	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	0.3	0.3	0.3	0.3				
Hourly Max	0.5	0.5	0.5	0.5	0.7	0.6	0.9	1.0	1.0	0.8	0.6	0.6	0.5	0.6	0.9	0.7	0.6	0.7	0.5	0.5	0.7	0.7	0.5	0.7						

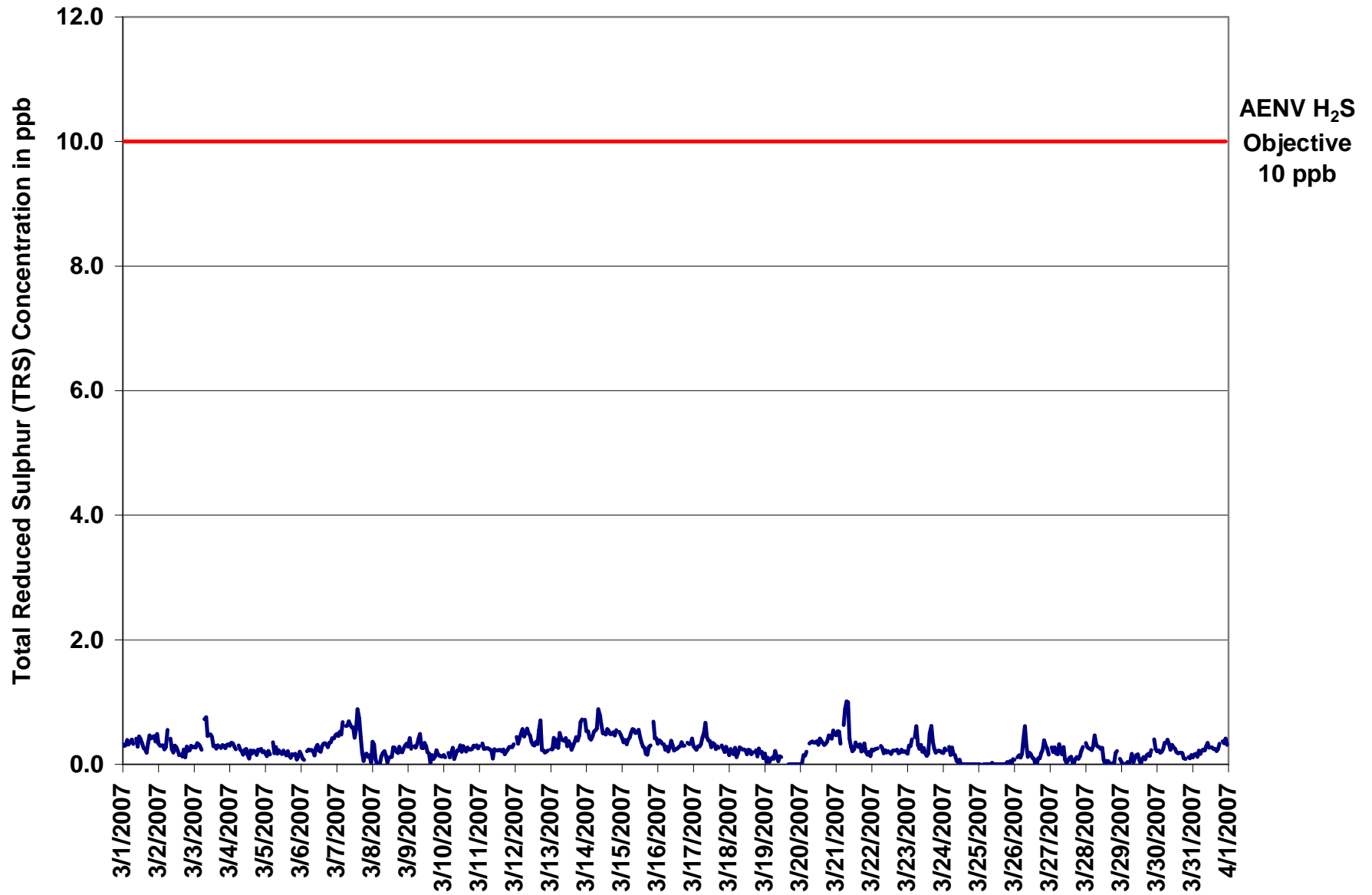


Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

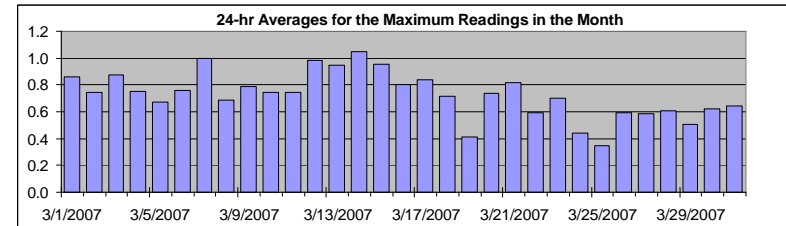
Total Reduced Sulphur (TRS)

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

Summary

Maximum 1-hr Value:	2.3	ppb	12-Mar	17:00 18:00
Maximum 24-hr Value:	1.0	ppb	14-Mar	

AIC Time:	32 hrs	Operational Time:	708 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.4	1.1	0.8	0.7	0.6	0.4	0.2	0.7 ppb	0.7 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum	
1-Mar-07	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1	
2-Mar-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	0.7	1.0	
3-Mar-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	0.9	1.4	
4-Mar-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	1.0	
5-Mar-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	0.7	0.9	
6-Mar-07	1	0	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2	
7-Mar-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.0	1.8	
8-Mar-07	2	1	1	0	A	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.6	
9-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0.8	1.3	
10-Mar-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	0.7	1.0	
11-Mar-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	0.7	0.9	
12-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	A	1.0	2.3	
13-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.4	
14-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.0	1.5	
15-Mar-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	1.2	
16-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.8	1.2	
17-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.2	
18-Mar-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	0.7	1.0	
19-Mar-07	1	1	1	1	1	1	1	1	1	0	1	1	C	C	C	C	0	0	0	0	0	0	0	0	0.4	0.7	
20-Mar-07	0	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9	
21-Mar-07	1	1	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.5	
22-Mar-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	0	0.6	0.7	
23-Mar-07	1	1	1	1	A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0.7	1.0	
24-Mar-07	1	1	1	A	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7	
25-Mar-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.3	0.6	
26-Mar-07	1	A	0	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0.6	1.1	
27-Mar-07	A	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	0	0	1	0	1	1	A	0.6	1.1	
28-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	1	1	A	1	0.6	0.8	
29-Mar-07	1	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	1	1	A	1	1	1	0.5	0.8	
30-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	1	1	1	0.6	1.0	
31-Mar-07	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.6	1.0	
Hourly Avg	0.7	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hourly Max	1.6	1.1	1.2	1.0	1.4	1.1	1.3	1.5	1.5	1.4	1.1	1.2	1.1	1.1	1.8	1.3	2.0	2.3	1.1	1.2	1.3	1.4	1.2	1.2	1.2	1.2	

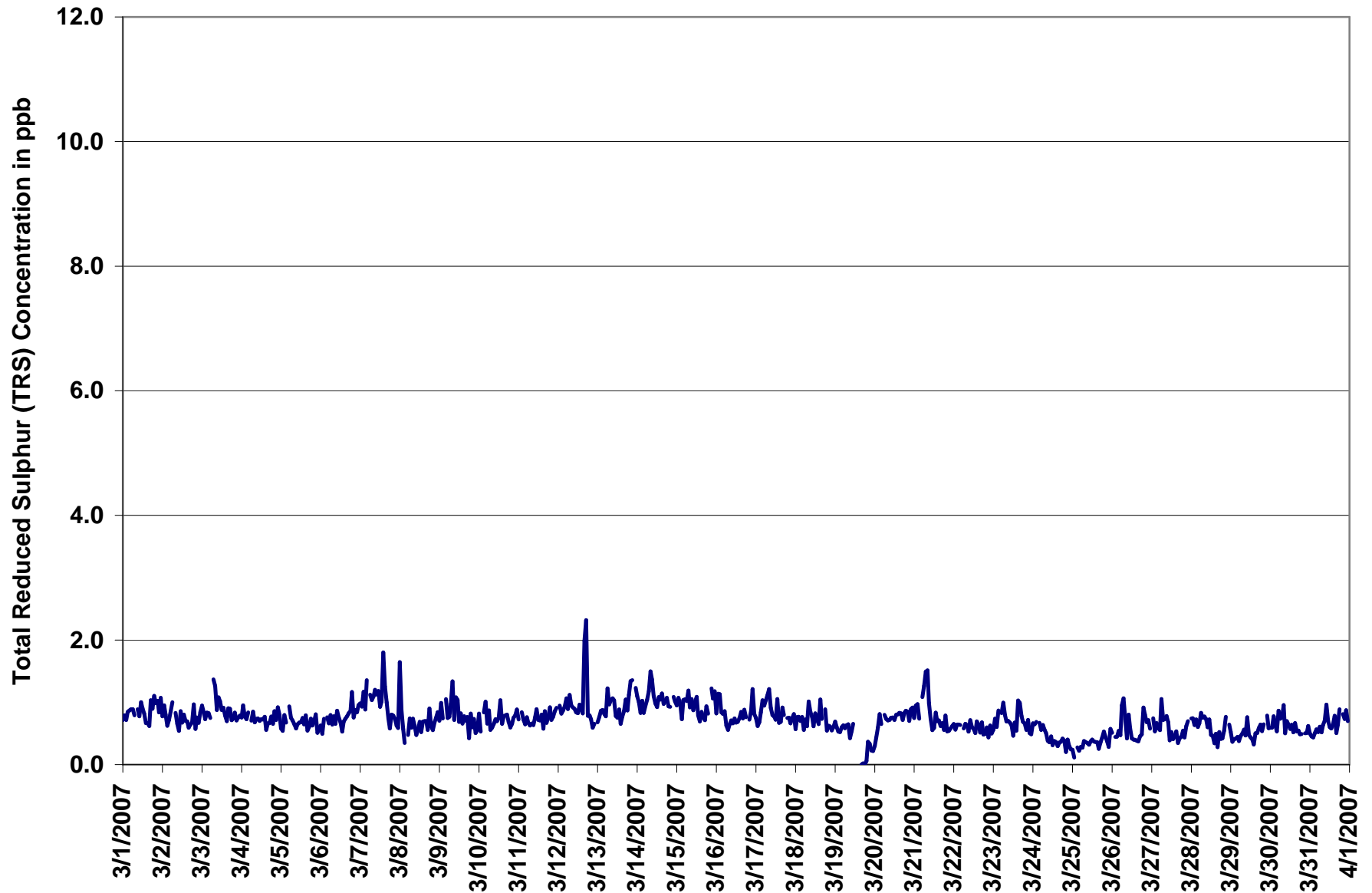
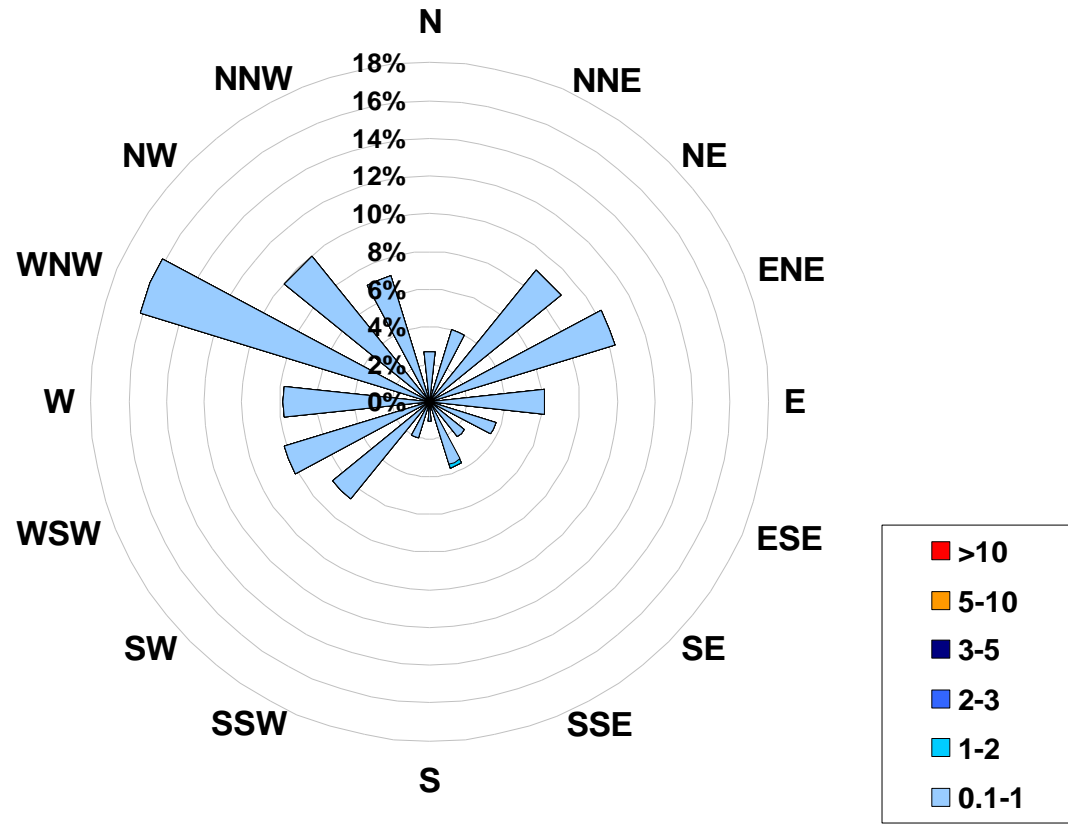


Figure 14. PASZA - Henry Pirker Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	707
1	to	2	1
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			708

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

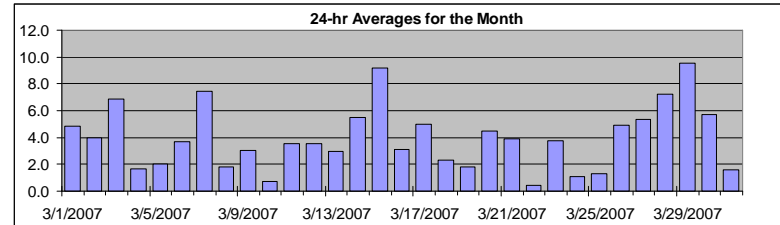
Particulate Matter (PM_{2.5})

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

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	20.3 μg/m ³ 21-Mar 6:00 7:00
Maximum 24-hr Value:	9.5 μg/m ³ 29-Mar

AIC Time:	0 hrs	Operational Time:	742 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	99.7%
Percentile	99	95	75
	15.4	11.8	5.8
	50	25	5
	2.9	1.2	0.0
	0.0	0.0	0.0
	Average / Median		3.9
	3 μg/m ³		3.2 μg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	3	3	3	3	3	3	6	7	7	7	3	4	4	4	4	4	5	7	8	8	11	6	2	1	4.8	10.9	
2-Mar-07	1	1	0	0	0	1	5	7	4	2	2	2	4	4	5	5	4	5	5	6	7	9	9	6	4.0	9.0	
3-Mar-07	9	5	6	6	8	8	8	13	14	11	9	5	3	3	4	5	4	8	9	8	5	4	5	4	6.9	14.4	
4-Mar-07	4	3	3	1	1	1	2	0	1	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2	1.6	3.9	
5-Mar-07	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	4	4	2	3	2	2	2.0	3.9	
6-Mar-07	2	1	1	2	2	2	2	2	3	2	2	2	2	4	4	4	6	7	6	6	6	5	5	7	5	3.7	6.9
7-Mar-07	6	6	7	6	8	6	7	8	10	9	9	13	13	12	12	11	8	6	2	0	2	9	6	1	7.4	12.9	
8-Mar-07	6	2	1	0	0	1	3	4	8	7	1	1	1	2	0	1	2	0	0	0	1	1	0	0	1.8	8.5	
9-Mar-07	0	1	1	0	0	0	3	8	8	3	4	10	8	6	2	2	2	3	3	5	1	1	1	0	3.0	10.5	
10-Mar-07	0	1	1	0	0	0	2	1	3	1	0	0	0	0	1	0	0	0	0	0	1	2	2	2	0.7	2.9	
11-Mar-07	3	3	2	3	3	4	3	3	3	2	1	2	2	2	3	4	6	6	4	3	3	6	5	10	3.5	9.7	
12-Mar-07	7	10	3	2	3	3	4	6	6	8	8	4	5	4	5	2	1	0	0	0	2	0	0	0	3.5	9.6	
13-Mar-07	0	0	0	0	2	1	3	4	2	2	3	0	2	2	0	0	2	3	4	4	6	9	11	9	3.0	10.8	
14-Mar-07	6	2	3	5	4	3	3	6	15	18	12	8	5	1	2	4	4	4	4	5	5	4	5	5	5.5	18.3	
15-Mar-07	5	4	5	4	7	8	11	15	15	16	16	17	16	14	10	9	3	2	6	5	13	9	6	4	9.2	17.4	
16-Mar-07	3	3	4	3	3	2	2	2	3	4	4	4	2	4	3	3	3	3	2	3	3	4	4	5	3.1	5.2	
17-Mar-07	6	6	4	4	5	3	3	4	4	3	4	5	7	7	8	7	6	6	7	4	4	4	4	4	5.0	7.6	
18-Mar-07	3	2	3	2	3	4	4	6	5	3	3	2	2	2	3	2	3	1	1	1	1	0	0	0	2.3	5.8	
19-Mar-07	0	0	0	0	1	0	1	1	1	1	1	2	3	2	1	3	3	4	3	2	4	0	4	5	2	1.8	4.6
20-Mar-07	2	4	4	3	2	2	3	8	8	6	7	9	9	9	6	1	2	1	3	6	3	2	3	3	4.5	9.3	
21-Mar-07	5	4	3	2	7	8	20	14	6	1	2	4	0	0	0	2	6	2	1	3	0	1	1	0	3.9	20.3	
22-Mar-07	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	1	1	0	3	0.4	2.7	
23-Mar-07	9	12	10	5	3	1	2	0	0	1	0	2	0	0	2	13	16	6	7	1	1	1	0	0	3.8	15.9	
24-Mar-07	0	D	0	0	0	0	1	2	1	0	0	0	D	2	0	3	3	1	5	1	1	0	3	0	1.1	4.5	
25-Mar-07	3	2	2	0	1	2	3	3	1	3	1	0	0	0	0	1	0	1	1	1	2	1	1	3	1.3	3.3	
26-Mar-07	2	2	1	1	0	1	5	9	2	2	5	6	4	0	0	4	8	3	9	13	13	10	10	7	4.9	13.0	
27-Mar-07	7	6	6	4	3	6	8	8	10	12	7	2	2	0	1	0	1	6	5	6	8	9	8	5	5.4	12.4	
28-Mar-07	9	6	4	4	4	9	11	14	10	12	14	10	1	1	1	2	1	5	8	11	12	15	8	2	7.3	14.5	
29-Mar-07	4	4	6	5	4	1	3	7	6	10	14	15	12	10	12	11	15	15	13	11	13	13	14	11	9.5	15.4	
30-Mar-07	9	7	7	6	5	6	6	7	9	7	8	8	8	9	9	8	11	5	0	0	0	0	0	0	5.7	10.5	
31-Mar-07	0	0	0	0	0	1	1	3	3	5	6	2	0	0	0	0	3	3	4	2	3	1	1	0	1.6	6.5	
Hourly Avg	3.7	3.4	2.9	2.4	2.7	2.9	4.5	5.7	5.4	5.3	4.9	4.6	3.9	3.5	3.3	3.8	4.3	3.8	4.1	4.0	4.3	4.4	3.9	3.0			
Hourly Max	9.1	12.0	10.0	6.1	7.9	8.8	20.3	15.2	15.3	18.3	15.5	17.4	15.7	14.5	12.4	12.5	15.9	15.0	13.2	12.7	13.0	14.5	13.9	10.6			

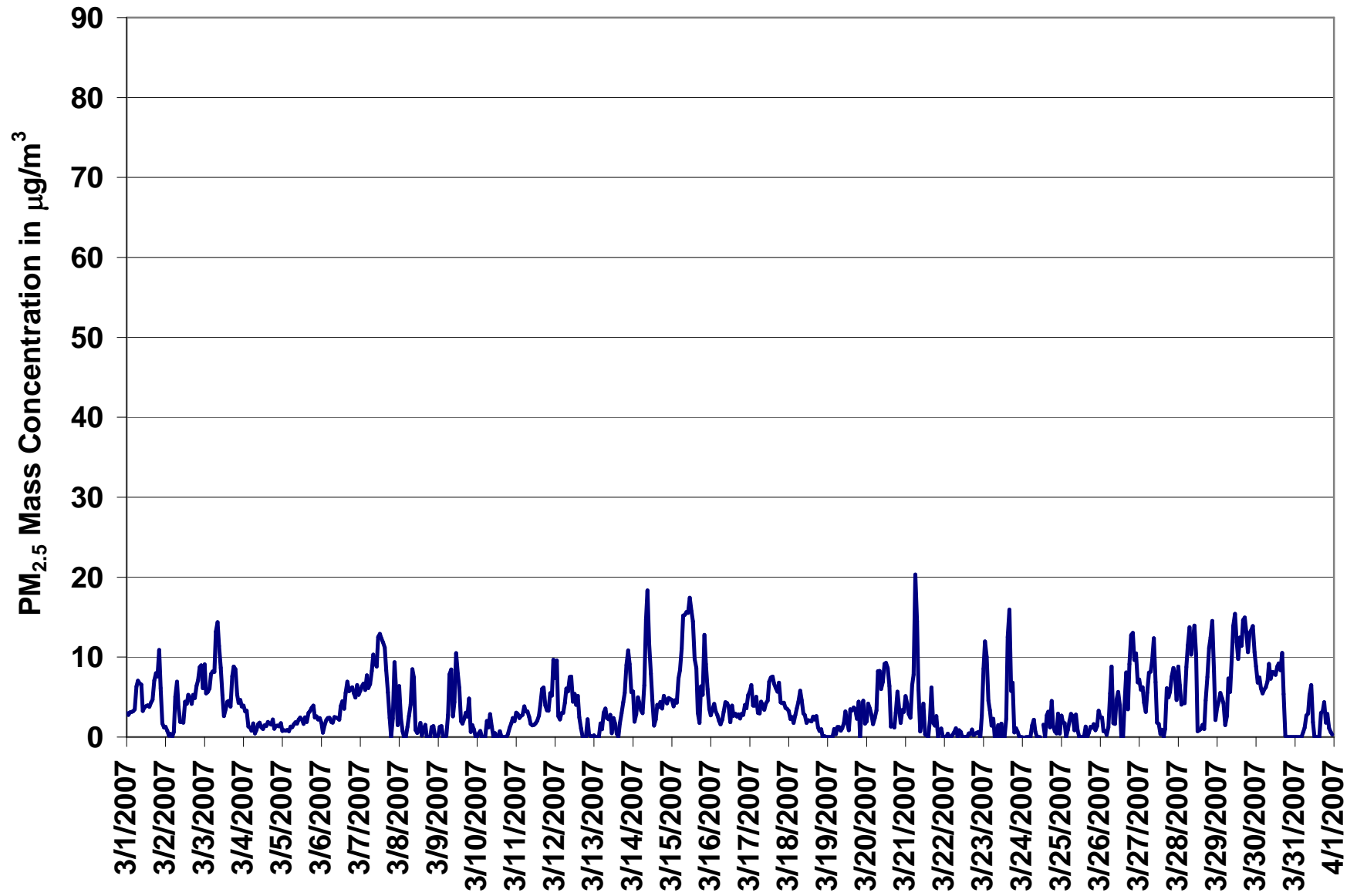


Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

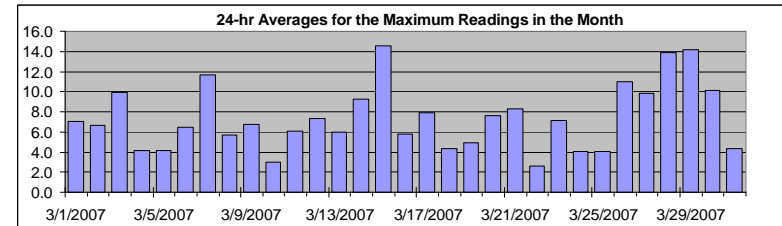
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

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

Summary

Maximum 1-hr Average:	31.2	µg/m ³	26-Mar	15:00 16:00
Maximum 24-hr Value:	14.6	µg/m ³	15-Mar	



AIC Time:	0 hrs	Operational Time:	742 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	99.7%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	24.2	18.5	9.6	5.9	3.8	1.6	0.7	7.4	6 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	4	4	5	5	5	6	8	8	8	8	6	6	5	6	5	6	6	11	11	14	14	11	3	3	7.0	13.7
2-Mar-07	3	2	1	2	1	2	10	11	10	4	4	4	7	7	8	8	8	7	7	9	9	12	13	9	6.6	13.3
3-Mar-07	13	9	9	9	10	10	10	20	20	15	11	8	5	6	6	7	6	10	12	10	8	9	10	6	9.9	20.5
4-Mar-07	6	6	7	5	5	3	5	4	3	4	5	4	3	3	3	4	3	3	4	3	4	3	3	5	4.1	6.8
5-Mar-07	2	4	3	3	3	3	4	3	3	3	3	4	3	4	4	5	7	7	5	6	4	4	4	5	4.1	7.1
6-Mar-07	4	3	4	4	4	4	3	4	4	5	5	4	6	7	7	10	13	9	9	10	8	7	11	7	6.4	13.1
7-Mar-07	8	9	10	8	9	9	10	10	12	13	12	15	16	16	15	20	17	16	5	7	4	20	16	4	11.7	20.4
8-Mar-07	12	6	7	5	1	4	4	9	17	17	5	5	4	6	4	7	4	1	2	2	3	6	4	1	5.7	17.5
9-Mar-07	2	3	4	1	1	2	9	10	15	9	14	14	14	11	5	5	4	6	8	10	4	4	4	2	6.7	14.9
10-Mar-07	2	3	3	3	3	3	6	3	5	3	1	2	2	2	2	3	2	1	2	2	4	4	5	4	2.9	5.5
11-Mar-07	6	7	4	5	5	6	5	6	6	5	3	4	5	4	5	6	9	9	7	5	6	8	8	13	6.1	13.3
12-Mar-07	12	13	5	7	6	6	9	9	9	11	14	7	17	18	9	6	3	1	1	4	4	2	1	2	7.3	17.8
13-Mar-07	2	2	2	1	5	3	5	6	5	5	4	3	6	6	3	2	5	7	6	7	12	17	16	11	6.0	16.7
14-Mar-07	12	6	6	8	6	7	7	13	18	24	18	11	8	6	4	7	6	8	6	8	7	11	7	9	9.2	23.7
15-Mar-07	7	6	7	7	11	11	14	20	22	19	22	28	20	26	15	11	9	11	14	9	21	20	11	8	14.6	27.6
16-Mar-07	7	6	7	5	5	4	3	4	6	7	6	7	6	6	4	5	5	6	7	6	7	7	7	8	5.8	7.6
17-Mar-07	8	9	9	6	7	6	6	6	6	5	8	8	10	11	10	8	11	9	11	9	7	8	6	5	7.9	11.1
18-Mar-07	5	4	4	4	4	5	7	10	7	4	4	4	4	4	4	6	5	5	3	3	3	2	2	1	4.3	9.6
19-Mar-07	0	1	0	1	3	3	5	2	2	3	5	5	7	4	6	5	9	5	4	10	8	11	9	7	4.9	10.9
20-Mar-07	6	8	5	6	4	4	6	14	12	8	10	11	12	12	11	7	4	4	7	11	6	4	6	6	7.6	14.0
21-Mar-07	8	8	7	5	11	15	25	22	9	9	6	12	3	2	1	6	15	12	7	7	2	4	3	1	8.3	24.5
22-Mar-07	1	1	2	3	2	3	3	4	2	3	3	2	1	3	2	2	2	4	3	3	2	2	1	8	2.6	8.0
23-Mar-07	11	15	13	6	7	3	5	1	2	3	2	5	3	0	5	26	23	11	13	3	3	4	3	3	7.1	25.8
24-Mar-07	2	D	1	2	1	1	4	4	4	2	1	3	D	8	2	5	11	6	11	4	5	3	6	4	4.1	11.1
25-Mar-07	6	5	4	2	3	6	5	5	4	8	4	2	2	3	1	4	3	4	4	4	4	5	4	8	4.1	7.7
26-Mar-07	5	6	3	4	3	4	9	13	8	5	9	16	14	4	2	31	29	8	14	20	21	17	12	9	11.0	31.2
27-Mar-07	10	10	12	6	8	10	14	15	15	16	11	5	5	4	5	8	9	13	7	9	11	12	14	8	9.8	16.3
28-Mar-07	11	10	7	7	6	15	15	20	15	19	18	21	5	4	9	8	10	9	25	22	20	26	22	9	13.9	26.3
29-Mar-07	6	7	8	7	6	4	6	11	10	15	18	22	22	20	18	17	23	22	21	14	16	16	18	15	14.2	22.8
30-Mar-07	11	13	12	9	8	8	10	10	12	11	11	15	12	12	14	12	20	17	4	5	8	2	4	3	10.1	20.1
31-Mar-07	2	1	1	3	2	4	4	5	5	8	10	5	4	3	4	5	8	6	8	4	6	4	3	2	4.4	9.8
Hourly Avg	6.4	6.3	5.5	4.7	5.1	5.7	7.5	9.2	9.0	8.7	8.1	8.3	7.7	7.3	6.3	8.5	9.3	8.0	8.0	7.7	7.8	8.5	7.6	5.9		
Hourly Max	13.1	15.5	12.8	9.0	10.9	15.3	24.5	22.3	22.4	23.7	21.8	27.6	21.6	25.9	18.3	31.2	29.1	22.4	25.3	22.0	21.3	26.3	22.4	15.2		

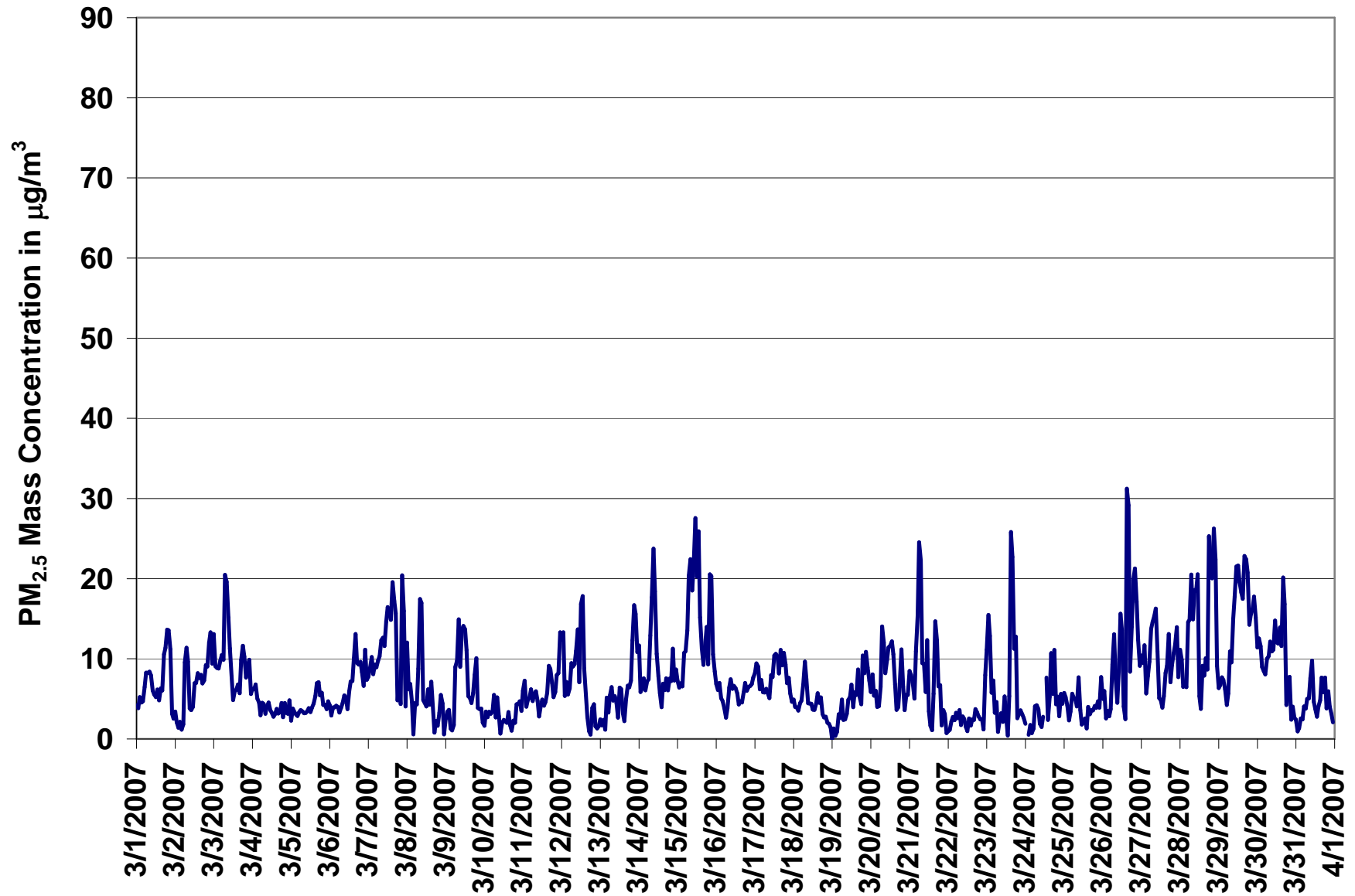
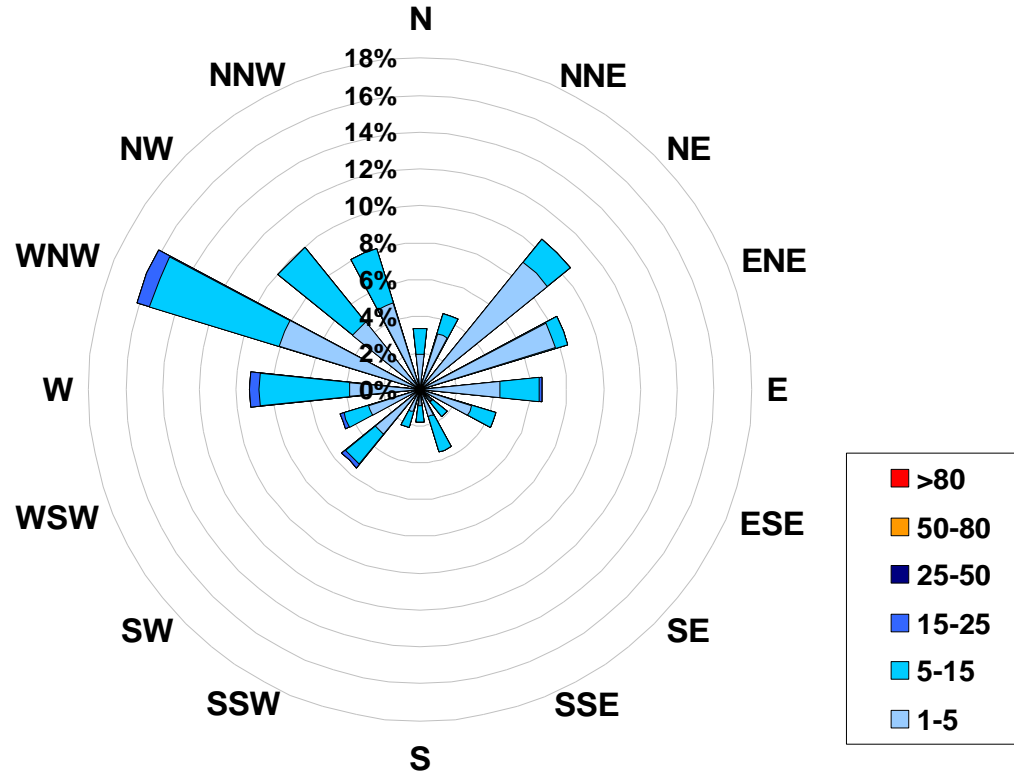


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range			Frequency (hrs)
1.0	<	5	519
5	to	15	213
15	to	25	10
25	to	50	0
50	to	80	0
	>	80	0
Total Non-Zero Values			742

PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

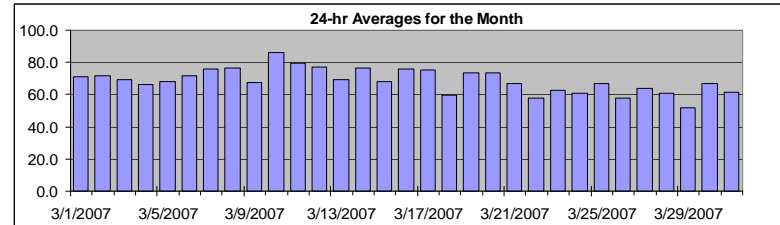
HOURLY AVERAGE TABLE

Relative Humidity (RH)

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

Summary

Maximum 1-hr Average:	93.7	%	7-Mar	22:00 23:00
Maximum 24-hr Value:	85.9	%	10-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	93.2	89.3	78.4	70.4	59.3	44.6	34.3	68.7 %	70.4 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Mar-07	79	79	80	80	77	75	74	75	76	74	65	58	53	54	57	58	62	66	73	76	77	75	78	78		70.9	80.1
2-Mar-07	78	77	76	74	74	77	77	76	77	72	66	62	62	63	64	63	67	71	73	73	73	73	75	75		71.7	77.9
3-Mar-07	76	79	79	76	76	77	81	82	74	67	64	62	58	50	52	57	60	66	71	72	70	70	70	70		69.1	81.9
4-Mar-07	70	71	71	72	71	69	69	68	67	65	61	58	55	55	57	59	61	65	68	70	70	71	72	72		66.2	72.0
5-Mar-07	72	71	72	72	73	73	73	74	73	70	66	61	59	57	58	62	60	64	67	70	69	69	73	76		67.9	75.7
6-Mar-07	75	75	76	77	77	77	78	78	77	74	70	62	54	59	62	63	67	69	71	75	77	78	78	77		71.8	78.5
7-Mar-07	76	79	80	81	83	82	81	81	75	62	60	59	58	50	53	58	67	82	89	92	92	93	94	94		75.7	93.7
8-Mar-07	94	94	92	85	92	91	92	92	90	86	81	84	74	69	60	54	64	64	65	68	71	66	55	53		76.4	93.5
9-Mar-07	52	51	54	56	58	62	72	77	73	60	49	55	57	59	64	63	64	67	78	85	88	90	91	92		67.4	91.8
10-Mar-07	93	93	93	93	93	93	93	93	93	91	84	82	74	77	81	83	82	82	82	83	83	81	80	80		85.9	93.3
11-Mar-07	80	78	77	78	79	84	84	83	83	82	81	74	69	67	68	70	73	78	83	86	87	87	88	88		79.5	88.3
12-Mar-07	89	89	89	88	88	88	86	84	82	80	72	67	63	72	85	77	72	63	60	65	70	73	75	76		77.3	89.4
13-Mar-07	78	79	77	73	78	79	83	79	74	61	56	53	48	44	48	46	52	56	69	81	86	88	88	84		69.1	87.9
14-Mar-07	81	78	77	77	79	81	82	83	83	83	76	76	72	74	67	64	61	68	75	81	83	83	79	78		76.8	83.3
15-Mar-07	78	77	76	76	76	76	76	75	75	77	72	57	54	51	49	48	47	51	60	69	76	78	78	77		67.8	78.1
16-Mar-07	78	79	80	80	78	76	75	75	72	69	70	72	71	71	67	69	74	77	80	82	82	82	81	80		75.8	82.0
17-Mar-07	80	86	87	88	88	87	82	80	79	79	75	71	70	69	69	68	72	69	69	70	70	68	68	68		75.5	88.1
18-Mar-07	71	71	70	70	67	65	68	68	60	58	64	58	52	49	48	52	51	54	55	55	57	56	56	58		59.7	71.0
19-Mar-07	58	60	61	62	65	66	70	76	77	75	74	76	76	74	73	76	77	79	80	82	84	84	83	83		73.6	83.7
20-Mar-07	82	83	83	84	84	84	84	84	84	81	76	71	64	64	54	47	50	54	60	75	79	74	79	82		73.5	84.4
21-Mar-07	82	80	78	74	74	76	79	83	79	65	53	64	72	66	59	54	52	53	51	57	62	64	66	68		67.1	82.8
22-Mar-07	67	62	62	63	64	65	66	66	62	59	58	51	47	47	46	46	49	52	54	55	57	62	66	66		58.0	66.9
23-Mar-07	63	71	81	79	73	70	69	68	67	63	58	49	40	34	35	44	50	55	62	69	73	74	75	73		62.4	81.3
24-Mar-07	73	63	58	61	59	60	63	64	56	50	46	42	32	35	37	41	48	54	70	82	90	92	92	92		60.8	92.3
25-Mar-07	92	93	92	91	92	92	89	81	77	69	64	57	50	47	44	45	44	45	49	54	55	56	59	64		66.8	93.1
26-Mar-07	63	65	72	75	77	79	84	75	57	51	42	37	36	28	27	31	55	52	53	61	65	67	66	69		57.8	83.5
27-Mar-07	70	73	79	82	79	78	80	73	54	48	56	58	52	48	47	43	45	52	53	60	68	75	80	77		63.8	81.8
28-Mar-07	83	86	86	87	86	86	84	79	71	57	56	50	42	41	41	38	28	25	39	56	67	72	54	43		60.7	86.5
29-Mar-07	42	43	46	47	48	53	54	53	49	44	42	34	33	35	40	44	43	52	61	68	77	80	76	78		51.8	79.9
30-Mar-07	79	77	77	77	76	80	83	81	73	66	63	59	56	56	59	58	51	63	66	65	61	57	56	61		66.8	83.5
31-Mar-07	62	62	61	65	70	71	73	69	64	68	69	63	58	52	49	47	45	50	57	61	64	65	65	64		61.4	73.5
Hourly Avg	74.7	75.0	75.7	75.6	75.9	76.5	77.5	76.5	72.7	68.0	64.0	60.7	56.8	55.4	55.5	55.8	57.8	61.3	66.0	70.7	73.7	74.3	74.0	74.0			
Hourly Max	93.5	93.5	93.2	93.1	93.2	93.3	92.9	93.1	92.7	90.6	83.7	83.6	76.2	76.7	85.2	82.7	82.2	82.5	88.8	91.6	92.4	93.3	93.7	93.6			

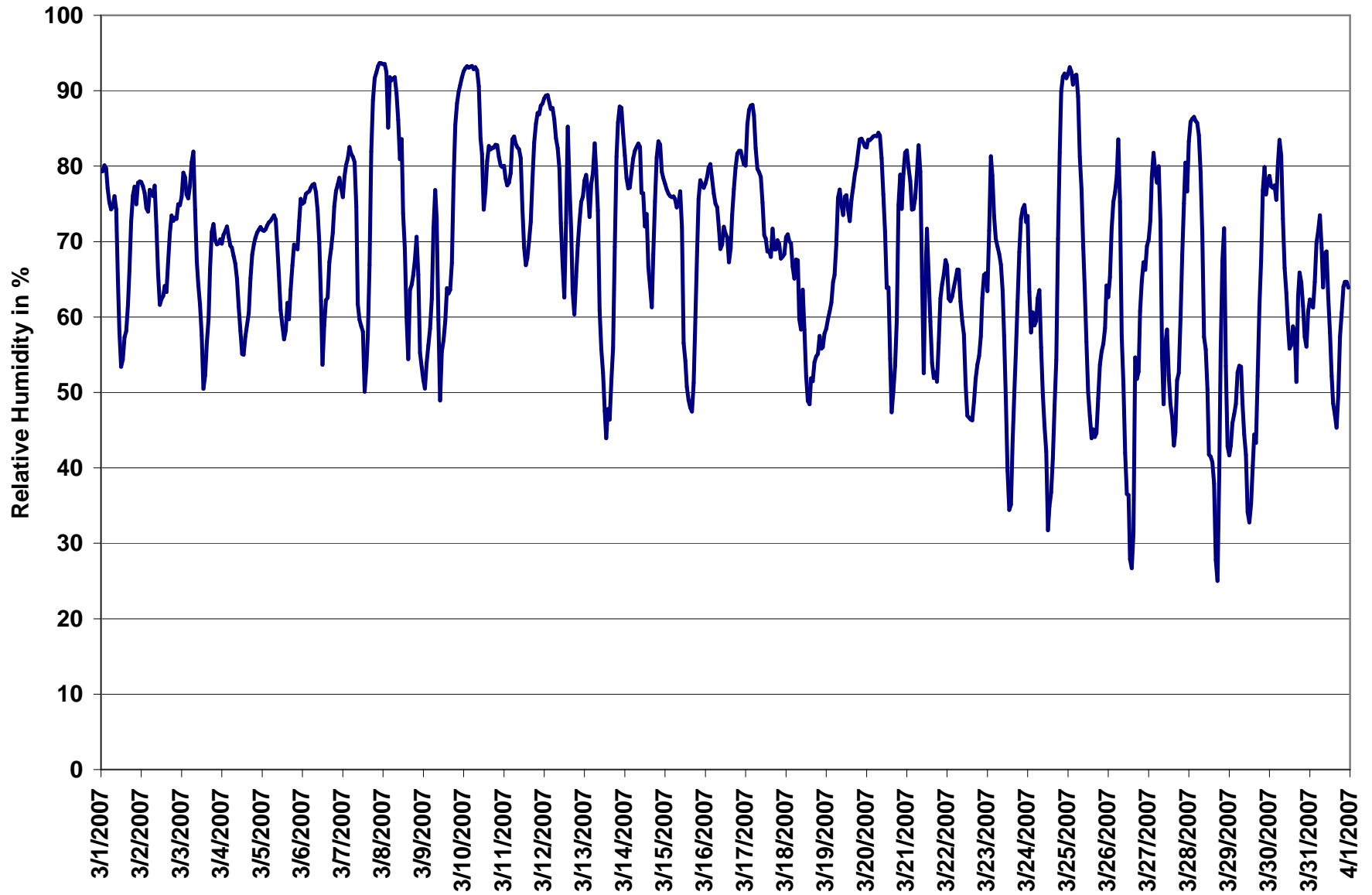


Figure 17. PASZA - Henry Pirker Relative Humidity 1-hr Average Monthly Trend

PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

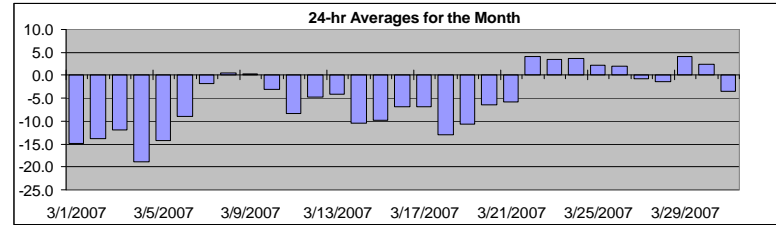
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	11.5 °C	23-Mar	14:00 15:00
Maximum 24-hr Value:	4.1 °C	29-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	10.1	6.6	0.9	-5.0	-10.8	-18.5	-21.3	-5.1 °C	-5.0 °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-Mar-07	-15	-15	-16	-18	-20	-21	-22	-22	-19	-16	-13	-11	-8	-8	-9	-9	-10	-12	-15	-17	-16	-14	-14	-15	-14.8	-8.0
2-Mar-07	-15	-16	-17	-18	-19	-20	-20	-21	-18	-16	-13	-13	-12	-12	-11	-10	-11	-12	-11	-11	-10	-9	-9	-9	-13.8	-8.9
3-Mar-07	-8	-8	-9	-9	-9	-10	-11	-13	-11	-9	-6	-4	-5	-8	-10	-12	-14	-17	-18	-18	-18	-19	-20	-20	-12.0	-4.4
4-Mar-07	-20	-20	-20	-21	-21	-21	-21	-22	-21	-21	-19	-18	-17	-16	-17	-17	-17	-17	-18	-18	-18	-18	-18	-18	-18.9	-16.5
5-Mar-07	-18	-17	-17	-17	-17	-17	-17	-16	-16	-15	-14	-13	-12	-11	-11	-12	-11	-12	-13	-13	-13	-13	-13	-13	-14.2	-10.9
6-Mar-07	-13	-13	-13	-13	-13	-13	-13	-13	-12	-12	-10	-7	-4	-5	-6	-5	-6	-6	-6	-6	-6	-6	-6	-6	-9.0	-4.1
7-Mar-07	-6	-7	-8	-8	-9	-9	-10	-10	-8	-3	0	1	2	6	6	6	4	3	2	1	1	1	0	-1.9	6.4	
8-Mar-07	-1	-1	-1	-1	-3	-4	-4	-4	-3	-1	0	1	4	5	7	8	5	4	2	1	0	0	0	0.6	7.6	
9-Mar-07	0	0	-1	-1	-2	-3	-8	-9	-7	-1	5	4	4	6	5	5	5	4	2	1	1	1	0	0.4	6.0	
10-Mar-07	0	0	0	0	-1	-1	-2	-2	0	0	1	1	0	-1	-2	-3	-4	-7	-8	-8	-9	-9	-9	-10	-3.1	1.2
11-Mar-07	-10	-11	-11	-11	-11	-12	-12	-13	-12	-12	-11	-9	-7	-6	-6	-6	-5	-5	-6	-6	-5	-5	-5	-4	-8.3	-4.2
12-Mar-07	-4	-4	-5	-6	-8	-7	-8	-8	-8	-6	-4	-3	-2	-3	-3	-1	-1	-1	-2	-5	-5	-6	-6	-7	-4.7	-0.9
13-Mar-07	-7	-7	-8	-6	-7	-7	-9	-8	-8	-4	-1	0	2	4	2	2	0	0	-1	-3	-5	-7	-8	-11	-4.1	3.6
14-Mar-07	-15	-18	-19	-19	-17	-14	-13	-13	-11	-7	-6	-5	-4	-5	-4	-4	-3	-4	-6	-8	-10	-13	-17	-18	-10.5	-2.6
15-Mar-07	-19	-19	-20	-20	-20	-20	-20	-21	-19	-13	-7	-3	-2	1	3	4	3	1	-2	-6	-7	-8	-10	-11	-9.8	3.7
16-Mar-07	-12	-11	-10	-10	-9	-9	-9	-9	-8	-7	-7	-5	-4	-4	-3	-3	-5	-5	-6	-6	-6	-6	-6	-6	-6.9	-3.3
17-Mar-07	-5	-5	-4	-5	-5	-5	-7	-7	-8	-8	-8	-6	-6	-5	-4	-3	-5	-5	-7	-9	-11	-12	-13	-13	-6.9	-3.0
18-Mar-07	-13	-14	-14	-15	-15	-15	-16	-15	-14	-12	-13	-12	-10	-9	-8	-10	-10	-12	-13	-14	-14	-14	-15	-15	-13.0	-8.3
19-Mar-07	-16	-16	-15	-14	-13	-13	-14	-13	-12	-11	-9	-8	-7	-8	-7	-8	-8	-8	-8	-9	-10	-10	-10	-10	-10.7	-7.0
20-Mar-07	-10	-10	-10	-10	-10	-9	-10	-9	-9	-8	-7	-6	-4	-3	0	2	1	0	-2	-6	-7	-8	-11	-13	-6.5	2.2
21-Mar-07	-15	-17	-18	-22	-23	-21	-17	-12	-9	-5	-2	-2	-1	0	0	1	3	4	5	3	1	2	2	2	-5.8	4.5
22-Mar-07	2	3	3	3	2	2	2	2	3	4	5	6	7	7	7	7	6	5	5	4	4	3	1	1	4.0	7.3
23-Mar-07	1	-1	-3	-3	-3	-2	-2	-1	-1	1	3	6	9	11	12	11	9	8	7	6	5	5	5	5	3.5	11.5
24-Mar-07	4	4	3	2	1	0	0	1	3	5	7	8	11	9	8	7	6	6	3	2	0	0	0	0	3.7	10.6
25-Mar-07	0	-1	0	0	-2	-3	-2	0	1	3	4	6	7	7	7	6	6	6	4	3	2	1	0	-1	2.3	6.9
26-Mar-07	0	-1	-3	-3	-4	-4	-5	-3	1	3	7	9	9	11	9	8	6	6	4	2	1	0	-1	-2	2.1	10.5
27-Mar-07	-3	-3	-5	-7	-9	-9	-9	-8	-1	3	3	5	6	6	6	5	4	4	3	1	-1	-3	-4	-4	-0.7	6.4
28-Mar-07	-5	-7	-9	-9	-11	-11	-12	-12	-9	-3	0	3	6	6	6	6	7	9	8	6	2	0	-1	1	-1.4	8.7
29-Mar-07	1	1	1	1	1	0	0	0	2	4	6	10	11	11	10	9	9	7	5	3	2	1	1	1	4.1	11.2
30-Mar-07	0	1	0	0	1	0	-1	-1	2	4	5	6	6	7	6	6	7	5	3	1	1	1	0	-1	2.4	6.5
31-Mar-07	-2	-2	-3	-4	-6	-7	-8	-7	-5	-4	-2	0	0	1	1	1	0	-1	-2	-4	-5	-7	-8	-9	-3.5	0.8
Hourly Avg	-7.2	-7.6	-8.1	-8.5	-9.1	-9.4	-9.7	-9.3	-7.6	-5.3	-3.4	-2.0	-0.7	-0.2	-0.2	-0.2	-0.8	-1.7	-3.0	-4.4	-5.1	-5.6	-6.1	-6.6		
Hourly Max	4.2	3.8	3.0	3.0	2.1	1.6	1.8	2.2	3.3	5.0	7.2	9.8	11.2	11.0	11.5	10.9	9.2	8.4	6.6	5.6	4.6	4.8	4.9	4.8		

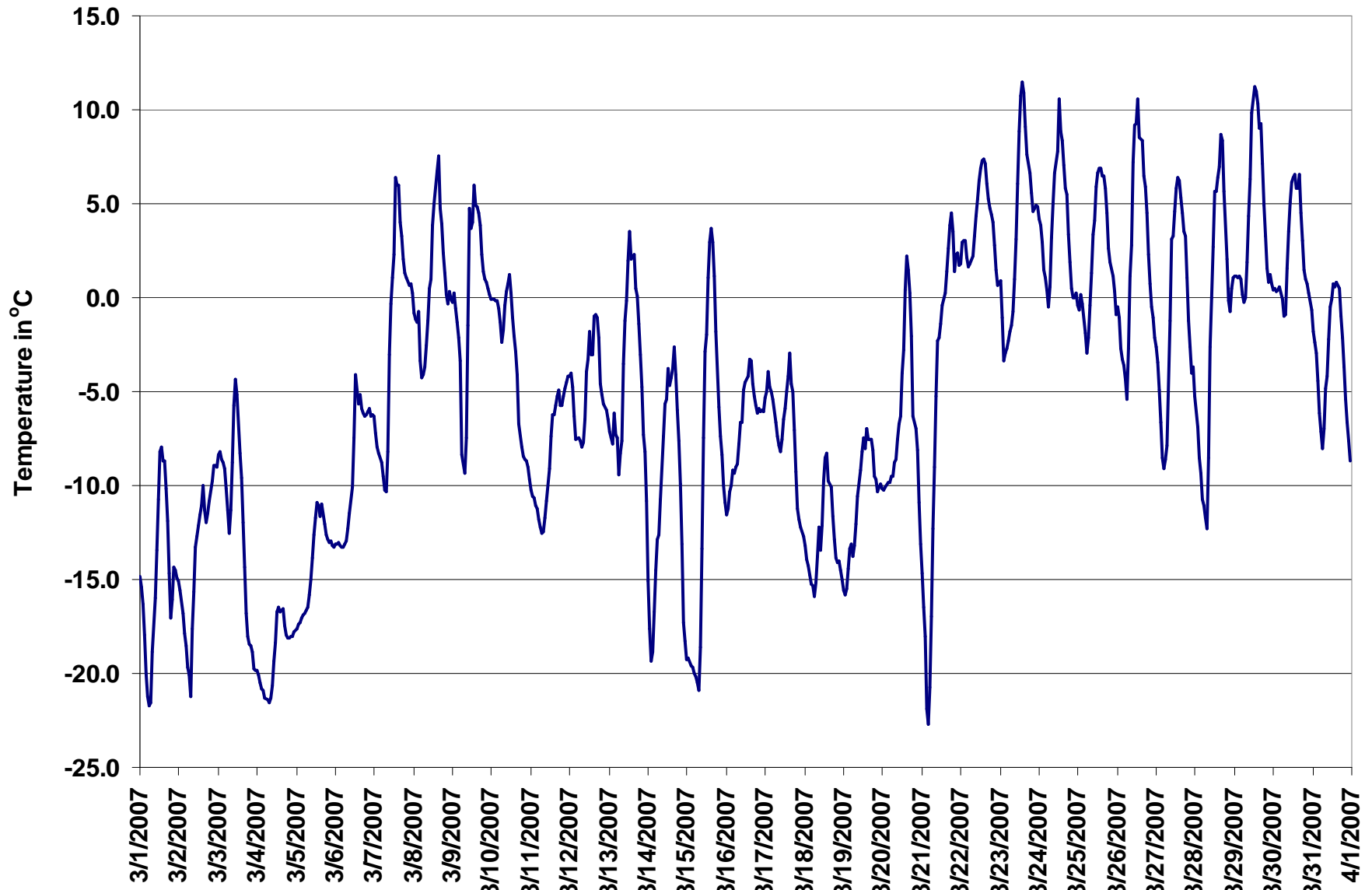


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

PASZA - Henry Pirker - Solar Radiation Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

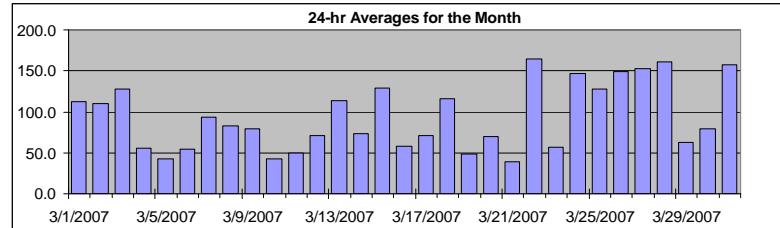
HOURLY AVERAGE TABLE

Solar Radiation (SR)

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

Summary

Maximum 1-hr Average:	655.1	W/m ²	24-Mar	8:00 9:00
Maximum 24-hr Value:	164.4	W/m ²	22-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	613.4	441.5	145.6	3.1	0.0	0.0	0.0	93.5 W/m ²	3.1 W/m ²

Status Flag Characters

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

Day Mountain Standard Time

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-Mar-07	0	0	0	0	0	0	0	0	1	31	128	477	595	524	329	244	198	119	38	3	0	0	0	0	112.0	595.2
2-Mar-07	0	0	0	0	0	0	0	0	3	46	184	540	596	491	294	221	164	75	24	2	0	0	0	0	110.0	596.1
3-Mar-07	0	0	0	0	0	0	0	0	8	303	136	570	636	512	330	228	175	116	43	7	0	0	0	0	127.7	636.3
4-Mar-07	0	0	0	0	0	0	0	0	1	24	70	137	207	264	225	154	143	89	31	3	0	0	0	0	56.2	263.9
5-Mar-07	0	0	0	0	0	0	0	0	2	24	62	96	150	159	154	134	102	100	35	4	0	0	0	0	42.6	158.9
6-Mar-07	0	0	0	0	0	0	0	0	1	29	66	109	203	337	233	133	93	60	29	3	0	0	0	0	54.1	336.9
7-Mar-07	0	0	0	0	0	0	0	0	8	136	197	453	383	331	319	187	136	65	29	1	0	0	0	0	93.5	453.0
8-Mar-07	0	0	0	0	0	0	0	0	42	206	71	81	213	469	345	248	195	70	45	9	0	0	0	0	83.1	469.2
9-Mar-07	0	0	0	0	0	0	0	0	22	60	161	424	224	361	266	157	113	80	38	6	0	0	0	0	79.8	424.2
10-Mar-07	0	0	0	0	0	0	0	0	5	38	59	130	146	190	139	107	86	71	34	6	0	0	0	0	42.1	190.0
11-Mar-07	0	0	0	0	0	0	0	0	4	35	78	119	185	212	227	147	113	55	24	4	0	0	0	0	50.1	227.2
12-Mar-07	0	0	0	0	0	0	0	0	5	35	102	263	232	297	124	170	237	129	79	28	0	0	0	0	70.9	297.0
13-Mar-07	0	0	0	0	0	0	0	0	54	81	183	472	616	396	286	291	186	95	57	18	0	0	0	0	114.0	615.6
14-Mar-07	0	0	0	0	0	0	0	0	6	38	115	139	128	288	247	289	217	165	91	29	0	0	0	0	73.0	288.6
15-Mar-07	0	0	0	0	0	0	0	0	60	130	204	521	583	509	380	254	239	157	48	16	0	0	0	0	129.2	582.7
16-Mar-07	0	0	0	0	0	0	0	0	8	36	69	111	185	252	202	210	146	90	65	10	0	0	0	0	57.7	252.3
17-Mar-07	0	0	0	0	0	0	0	0	8	43	92	152	224	226	274	267	199	128	64	14	0	0	0	0	70.4	274.0
18-Mar-07	0	0	0	0	0	0	0	0	17	109	199	308	544	530	360	288	213	130	67	20	0	0	0	0	116.0	543.8
19-Mar-07	0	0	0	0	0	0	0	0	11	44	97	134	138	159	170	164	105	69	44	31	0	0	0	0	48.6	169.9
20-Mar-07	0	0	0	0	0	0	0	0	14	51	80	128	170	200	182	283	258	170	106	21	0	0	0	0	69.3	282.6
21-Mar-07	0	0	0	0	0	0	0	2	45	60	107	109	99	120	103	85	73	61	37	33	2	0	0	0	39.0	120.4
22-Mar-07	0	0	0	0	0	0	0	2	319	629	603	423	451	499	340	260	224	115	58	22	0	0	0	0	164.4	628.8
23-Mar-07	0	0	0	0	0	0	0	2	16	28	44	140	244	179	225	142	162	93	68	22	1	0	0	0	56.9	243.9
24-Mar-07	0	0	0	0	0	0	0	2	389	655	332	426	599	443	268	195	107	67	43	7	0	0	0	0	147.2	655.1
25-Mar-07	0	0	0	0	0	0	0	1	142	275	209	222	584	515	345	245	209	153	104	54	4	0	0	0	127.6	584.1
26-Mar-07	0	0	0	0	0	0	0	8	308	553	280	457	610	380	328	219	164	158	90	31	2	0	0	0	149.5	610.4
27-Mar-07	0	0	0	0	0	0	0	5	371	619	284	351	435	505	354	248	209	134	81	59	5	0	0	0	152.5	619.3
28-Mar-07	0	0	0	0	0	0	0	8	381	633	243	452	625	488	330	246	191	158	85	25	1	0	0	0	161.0	632.6
29-Mar-07	0	0	0	0	0	0	0	1	33	73	121	129	201	247	196	180	138	103	57	19	1	0	0	0	62.5	246.6
30-Mar-07	0	0	0	0	0	0	0	4	60	120	171	256	257	294	191	152	154	147	79	18	2	0	0	0	79.3	293.6
31-Mar-07	0	0	0	0	0	0	0	23	418	635	266	416	583	373	317	236	215	161	95	39	3	0	0	0	157.5	635.1
Hourly Avg	0.0	0.0	0.0	0.0	0.0	0.0	1.8	89.1	186.5	161.7	282.0	356.3	346.8	260.7	205.9	166.6	109.2	57.7	18.2	0.7	0.0	0.0	0.0	0.0		
Hourly Max	0.1	0.1	0.1	0.1	0.1	0.2	23.3	418.4	655.1	603.1	569.7	636.3	529.8	379.6	291.2	258.0	170.5	105.6	59.2	5.5	0.1	0.1	0.1	0.1		

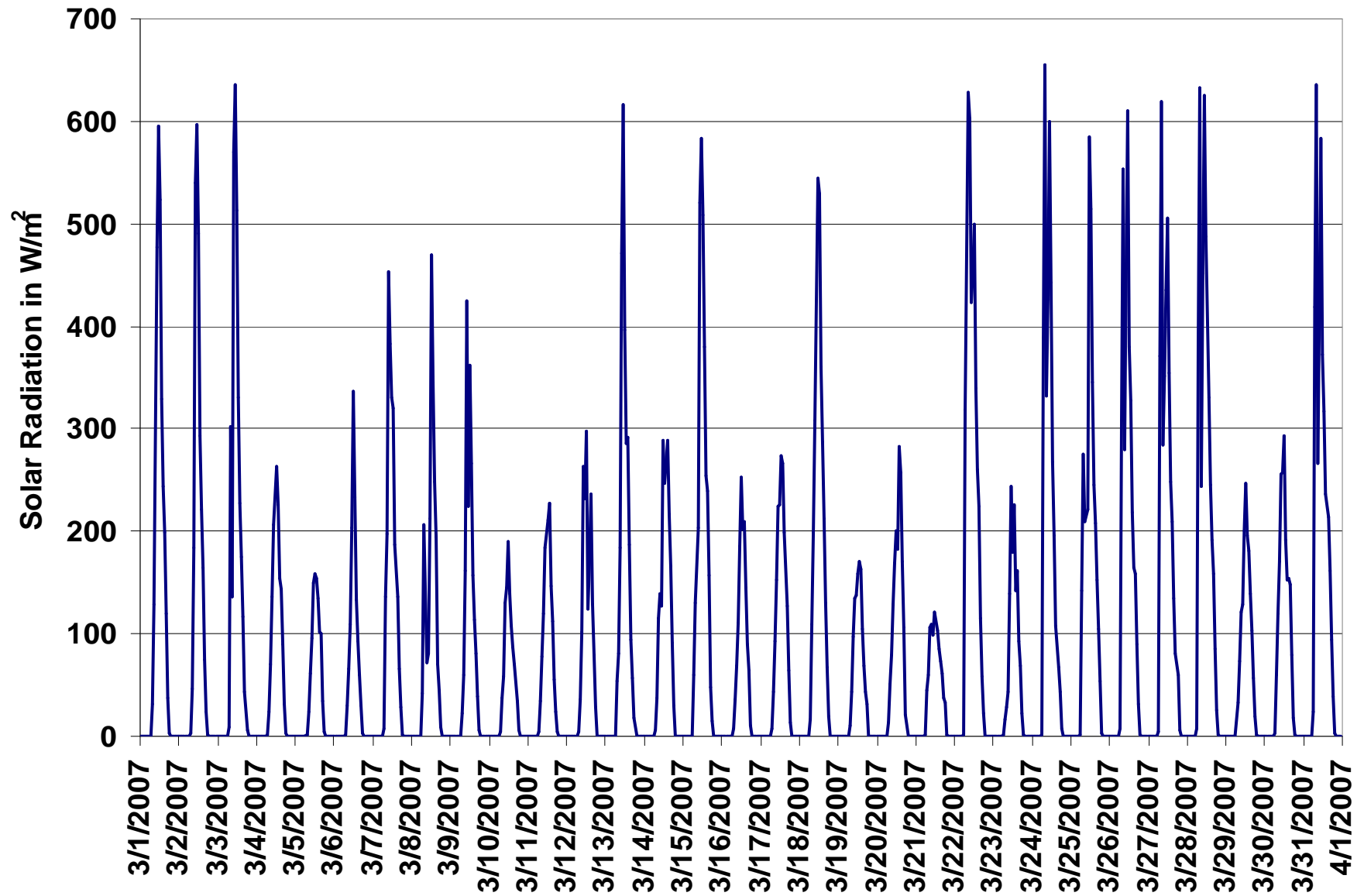


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

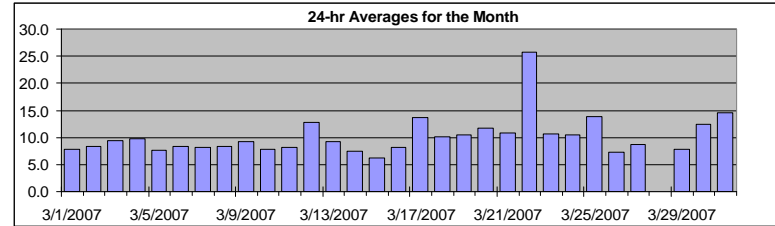
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	36.5	km/hr	22-Mar	2:00 3:00
Maximum 24-hr Value:	25.8	km/hr	22-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	731 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	98.3%				
Percentile	99	95	75	50	25	5	1	AverageS
	30.2	19.7	11.6	8.9	6.8	5.3	4.6	10.1 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							24-hr Scalar Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Mar-07	7	6	6	6	5	6	5	7	7	7	8	7	7	8	9	9	11	8	7	7	7	12	13	12	7.7	12.5	
2-Mar-07	10	10	9	8	6	7	5	6	9	9	8	10	10	11	11	10	10	8	8	9	8	6	6	7	8.4	11.4	
3-Mar-07	8	6	8	6	7	6	5	6	7	9	12	12	12	11	12	13	13	14	9	8	10	11	11	11	9.5	13.5	
4-Mar-07	9	8	9	9	10	10	9	11	10	11	10	11	10	10	10	10	9	10	10	11	11	10	9	9	9.8	11.1	
5-Mar-07	9	9	8	7	7	7	7	6	7	8	7	8	7	7	7	8	7	8	6	7	9	9	9	10	7.6	9.9	
6-Mar-07	8	10	9	8	9	10	9	10	10	10	8	7	6	9	8	8	9	10	8	6	6	6	7	6	8.3	10.3	
7-Mar-07	6	6	6	5	5	6	7	7	8	9	9	9	10	7	7	9	13	15	15	9	7	8	6	5	8.1	15.1	
8-Mar-07	5	3	5	7	N	N	N	N	N	N	9	9	10	11	9	7	7	8	10	9	8	9	10	12	8.3	11.9	
9-Mar-07	10	11	11	10	8	7	8	7	6	9	6	7	11	12	12	11	10	12	15	9	8	8	7	8	9.3	14.7	
10-Mar-07	7	6	5	4	4	5	4	5	6	5	7	8	9	10	11	9	10	12	11	10	10	11	10	10	7.9	12.1	
11-Mar-07	9	7	7	7	8	9	10	11	11	9	9	9	8	9	8	7	6	6	8	8	9	6	7	7	8.1	10.7	
12-Mar-07	6	8	8	14	16	14	16	17	14	10	8	10	11	14	12	14	15	18	17	12	13	13	13	12	12.7	18.0	
13-Mar-07	12	12	13	15	11	12	7	10	8	13	13	11	7	6	9	8	8	7	10	8	5	5	5	6	9.2	14.8	
14-Mar-07	8	7	6	6	6	7	7	5	6	5	7	8	11	14	12	9	6	8	9	9	5	7	6	6	7.5	13.6	
15-Mar-07	7	6	6	6	5	5	6	6	5	6	5	7	8	8	6	6	8	6	7	8	5	6	5	7	6.3	8.0	
16-Mar-07	6	6	5	6	5	7	7	7	7	7	9	10	12	10	9	9	11	12	10	10	8	8	8	7	8.1	12.1	
17-Mar-07	6	6	7	9	8	14	18	19	18	17	15	15	14	14	13	10	12	11	12	19	18	20	16	16	13.6	19.9	
18-Mar-07	12	11	10	8	8	7	7	6	7	9	15	12	10	8	9	10	10	11	11	13	12	13	12	11	10.1	15.0	
19-Mar-07	13	10	11	11	12	11	9	12	14	13	15	12	13	11	10	10	8	5	9	11	8	8	6	7	10.4	14.7	
20-Mar-07	6	7	6	7	6	7	7	7	14	9	12	12	8	9	9	25	25	24	22	17	15	11	7	5	11.6	25.4	
21-Mar-07	6	6	6	6	6	6	6	8	10	10	8	12	13	10	10	8	10	15	17	14	16	24	20	14	10.8	24.4	
22-Mar-07	22	34	37	32	18	24	36	36	30	32	29	23	24	23	25	28	28	27	25	27	22	17	10	9	25.8	36.5	
23-Mar-07	9	5	6	7	9	10	10	11	11	11	12	11	13	14	9	7	8	10	13	11	10	15	17	18	10.7	17.5	
24-Mar-07	15	17	14	11	7	10	12	14	12	13	12	12	6	8	9	7	10	8	9	14	10	7	9	8	10.5	17.0	
25-Mar-07	7	9	12	8	8	5	9	10	10	8	16	21	25	26	27	25	20	18	19	13	12	10	7	6	13.9	27.0	
26-Mar-07	10	8	5	6	6	5	6	7	7	9	6	7	7	8	15	13	7	8	5	5	6	6	6	5	7.3	15.0	
27-Mar-07	6	5	6	6	7	6	5	8	5	7	13	14	14	14	14	18	16	12	8	6	6	3	6	2	8.6	17.8	
28-Mar-07	N	N	N	N	N	N	N	2	7	6	7	7	8	11	11	10	12	12	9	5	5	6	7	9	N	12.2	
29-Mar-07	10	10	9	9	9	10	8	8	8	7	9	6	7	8	8	8	7	8	7	8	6	5	6	6	7.8	10.1	
30-Mar-07	6	6	6	6	5	6	6	7	7	7	8	8	10	9	10	12	14	26	29	31	24	19	20	17	12.5	31.3	
31-Mar-07	14	16	17	11	8	7	8	9	10	13	16	16	17	18	18	17	17	17	16	15	13	19	20	19	14.6	19.7	
1-hr Average	9.0	9.1	9.2	8.7	7.9	8.4	9.0	9.5	9.7	9.9	10.5	10.6	11.0	11.3	11.3	11.4	11.5	12.1	12.0	11.2	10.0	10.2	9.7	9.2			
Hourly Max	22.0	34.4	36.5	31.6	17.5	23.9	36.2	36.5	30.5	32.1	29.2	22.6	24.8	26.4	27.0	28.0	28.2	27.3	29.4	31.3	23.7	24.4	20.0	18.8			

PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

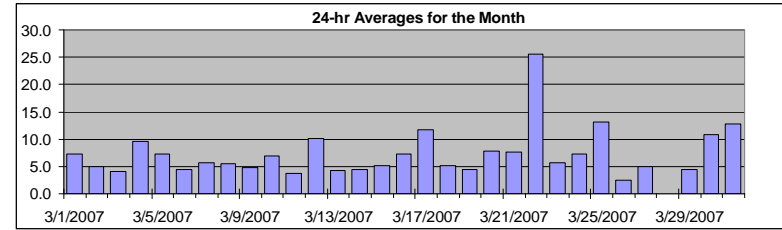
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	36.5	km/hr	22-Mar	2:00 3:00
Maximum 24-hr Value:	25.6	km/hr	22-Mar	



Calm Time:	4 hrs	1% calms	Operational Time:	727 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	98.3%				
Percentile	99	95	75	50	25	5	1	AverageV
	30.1	19.7	11.2	8.4	5.8	3.1	1.4	7.1 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
1-Mar-07	7	6	6	5	5	6	5	7	7	6	8	7	6	8	8	9	11	8	7	6	7	11	12	12	7.3	12.5
2-Mar-07	10	10	9	8	5	6	3	4	9	9	8	9	10	11	11	9	10	8	8	9	6	2	5	3	4.9	11.1
3-Mar-07	4	5	7	5	5	3	4	3	6	9	11	12	11	11	11	13	13	13	9	8	9	10	11	9	4.1	13.3
4-Mar-07	8	8	9	9	10	10	9	10	9	10	10	10	10	10	10	10	9	10	10	11	11	10	9	8	9.6	10.9
5-Mar-07	8	9	7	6	6	6	6	5	6	7	7	7	6	5	6	6	5	7	6	7	9	9	8	10	7.2	9.6
6-Mar-07	8	10	9	8	9	10	9	10	10	9	7	6	4	9	7	6	8	10	7	6	6	6	7	6	4.5	10.2
7-Mar-07	4	5	5	3	2	4	6	7	7	8	9	9	9	6	5	2	12	15	15	4	5	8	6	4	5.7	14.7
8-Mar-07	3	1	3	5	N	N	N	N	N	N	7	9	9	10	9	7	7	8	10	9	8	9	10	12	5.5	11.9
9-Mar-07	10	11	11	10	7	4	7	5	4	8	calm	4	11	12	12	11	10	12	14	8	7	8	6	7	4.8	14.5
10-Mar-07	6	6	5	4	4	4	4	4	5	5	7	7	9	10	11	9	10	12	11	9	10	11	10	9	6.9	11.8
11-Mar-07	8	6	7	7	8	9	10	11	10	9	8	9	8	9	7	7	4	5	8	8	8	4	7	6	3.7	10.5
12-Mar-07	2	8	8	13	16	14	16	17	14	9	7	9	11	13	12	14	15	18	16	12	13	13	12	12	10.0	17.7
13-Mar-07	11	10	10	15	11	12	6	9	7	13	10	10	5	1	9	7	7	3	10	8	2	3	3	4	4.3	14.7
14-Mar-07	8	6	6	6	5	6	1	2	5	2	6	8	10	13	12	8	5	5	9	8	4	4	6	6	4.5	13.2
15-Mar-07	6	6	5	6	5	5	5	5	5	5	6	8	6	6	6	7	6	3	3	3	2	3	1	7	5.2	7.5
16-Mar-07	5	4	4	6	5	6	6	7	6	6	8	9	11	9	9	9	11	12	10	9	8	8	7	6	7.3	11.7
17-Mar-07	6	6	5	8	8	14	18	19	18	17	15	15	14	14	12	8	12	11	11	18	18	20	16	16	11.6	19.9
18-Mar-07	12	11	10	8	8	7	6	6	5	3	15	12	9	7	8	9	9	11	11	12	12	13	12	11	5.2	14.8
19-Mar-07	13	10	11	11	12	10	9	12	13	13	15	12	12	11	10	8	7	3	5	10	4	6	4	2	4.5	14.6
20-Mar-07	calm	5	6	7	6	6	3	1	13	9	12	12	7	8	7	25	25	24	20	17	15	11	5	3	7.9	25.3
21-Mar-07	3	3	5	6	6	4	3	8	10	10	7	11	13	10	10	8	8	15	17	13	16	24	20	14	7.6	24.2
22-Mar-07	22	34	36	32	17	24	36	36	30	32	29	23	24	23	25	28	28	27	25	27	22	17	9	9	25.6	36.5
23-Mar-07	8	4	5	7	9	10	10	11	11	11	12	11	13	14	8	5	6	9	13	11	10	15	16	17	5.7	17.2
24-Mar-07	15	17	14	10	4	10	12	14	12	13	12	11	3	7	8	5	8	3	8	13	10	7	8	7	7.2	16.9
25-Mar-07	7	8	12	7	7	4	9	10	10	8	16	21	25	26	27	25	20	18	19	13	12	10	6	6	13.1	26.9
26-Mar-07	10	6	1	5	3	1	6	6	7	8	4	1	3	5	15	9	7	7	4	5	5	6	6	5	2.6	14.7
27-Mar-07	5	2	4	4	6	3	2	7	3	7	12	13	14	14	14	18	16	11	7	5	5	2	6	calm	5.0	17.6
28-Mar-07	N	N	N	N	N	N	N	2	7	3	4	2	8	11	11	10	9	12	6	4	3	4	7	9	N	12.0
29-Mar-07	10	10	9	9	9	10	8	7	8	6	9	5	6	8	8	7	6	5	5	6	5	4	2	calm	4.4	9.9
30-Mar-07	4	5	3	5	1	5	5	6	6	7	7	8	10	9	9	11	13	26	29	31	23	19	19	17	10.8	30.7
31-Mar-07	14	16	17	10	7	7	8	9	9	13	16	15	17	17	17	17	17	17	15	15	13	19	20	19	12.7	19.6
1-hr Vector	1.6	1.9	1.6	1.8	1.4	1.5	2.1	1.7	1.4	2.1	3.2	3.0	3.8	3.7	3.4	4.5	4.1	4.6	4.4	4.1	2.8	2.9	2.9	2.3		
Hourly Max	21.8	34.3	36.5	31.5	17.4	23.8	36.2	36.4	30.4	32.1	29.1	22.5	24.8	26.3	26.9	27.9	28.2	27.2	29.2	30.7	23.5	24.2	19.9	18.7		

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	348.9	334.1	291.8	230.1	81.2	33.9	8.6	290 deg

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	WD Sector	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	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-Mar-07	317	305	338	343	289	292	299	298	315	291	271	278	308	277	307	320	339	328	330	302	301	305	300	299	306	NW	
2-Mar-07	289	289	293	299	299	320	22	53	70	68	71	349	331	337	331	324	294	300	286	259	329	195	158	265	319	NW	
3-Mar-07	262	252	232	219	167	161	150	301	301	316	325	323	334	55	63	58	52	62	52	30	19	359	319	343	1	N	
4-Mar-07	31	32	34	59	61	78	60	60	61	57	52	60	46	38	39	50	42	41	42	50	50	47	37	29	49	NE	
5-Mar-07	30	43	54	58	50	55	79	64	75	63	51	12	10	49	30	56	59	40	46	36	41	45	77	49	NE		
6-Mar-07	76	77	75	72	68	89	90	78	86	96	91	52	54	350	29	3	335	323	314	299	274	298	290	315	41	NE	
7-Mar-07	317	267	298	6	328	306	292	301	308	296	272	275	278	265	19	303	302	301	294	334	151	171	192	153	293	WNW	
8-Mar-07	2	89	199	244	264	253	230	229	158	219	236	153	154	118	96	80	83	77	82	98	115	136	150	146	124	ESE	
9-Mar-07	130	102	98	90	101	105	299	331	286	334	47	124	338	351	345	343	337	328	343	1	34	63	75	69	22	NNE	
10-Mar-07	100	105	125	149	129	120	32	59	69	57	57	71	34	52	66	43	59	65	42	41	46	53	33	6	59	ENE	
11-Mar-07	17	47	82	107	94	87	97	94	90	75	72	58	69	9	13	349	44	298	298	275	303	259	181	178	58	ENE	
12-Mar-07	118	351	19	311	290	274	281	279	272	254	224	215	222	274	229	229	235	247	241	227	230	224	217	227	252	WSW	
13-Mar-07	228	240	265	239	233	239	244	249	265	232	236	302	337	17	62	65	113	111	137	150	148	198	269	320	236	WSW	
14-Mar-07	300	323	299	308	299	317	298	166	211	241	321	333	281	286	307	302	312	74	85	85	35	317	310	305	310	NW	
15-Mar-07	286	299	295	296	297	310	296	297	298	291	277	269	296	309	267	266	327	329	218	1	91	327	296	283	297	WNW	
16-Mar-07	329	318	30	20	34	50	52	54	85	70	84	51	75	79	49	50	50	54	56	78	50	63	48	57	54	NE	
17-Mar-07	85	74	150	268	271	295	283	285	285	279	282	282	300	298	298	281	317	322	342	297	289	287	287	281	291	WNW	
18-Mar-07	285	282	297	281	294	311	299	293	54	316	291	301	284	311	320	341	41	54	49	59	57	67	78	56	343	NNW	
19-Mar-07	59	52	63	66	77	63	53	65	66	74	83	92	81	227	248	351	26	5	231	255	161	255	264	155	69	ENE	
20-Mar-07	330	352	68	76	59	21	17	320	282	278	247	226	274	240	291	249	247	243	269	295	281	300	310	12	277	W	
21-Mar-07	175	327	330	304	280	278	215	155	149	143	149	147	158	168	173	166	232	232	208	238	224	226	235	242	209	SSW	
22-Mar-07	234	240	242	245	247	247	242	242	241	242	242	246	255	255	252	256	256	256	246	245	246	242	228	229	246	WSW	
23-Mar-07	217	90	118	118	128	123	111	106	112	107	101	109	138	135	128	334	265	281	244	228	219	208	197	212	159	SSE	
24-Mar-07	225	240	234	197	209	230	226	195	208	220	230	245	266	36	36	46	152	208	253	277	299	300	260	222	234	SW	
25-Mar-07	177	187	205	239	282	266	238	200	218	213	238	246	239	238	241	242	242	240	241	227	222	233	266	191	234	SW	
26-Mar-07	180	201	342	230	344	85	117	81	102	151	219	23	256	197	144	170	289	337	12	104	101	95	111	138	144	SE	
27-Mar-07	135	261	348	10	273	340	200	291	214	289	279	281	293	279	282	284	266	315	63	82	140	154	187	145	282	WNW	
28-Mar-07	101	309	256	286	346	356	315	311	293	248	254	337	40	48	45	47	96	116	224	340	271	80	113	108	N	-	
29-Mar-07	113	123	104	118	92	98	101	99	93	125	138	83	51	45	39	36	38	308	316	317	337	78	141	287	81	E	
30-Mar-07	322	49	329	8	21	300	315	295	315	305	274	279	275	313	302	295	296	275	272	265	269	256	255	243	282	WNW	
31-Mar-07	248	244	241	265	307	305	315	314	278	281	288	302	291	297	316	314	341	344	342	340	307	313	315	312	302	WNW	
Hourly Avg	255	276	279	279	313	313	278	284	269	265	260	291	298	306	325	312	310	305	288	293	286	271	259	264			

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

Station: Henry Pirker
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

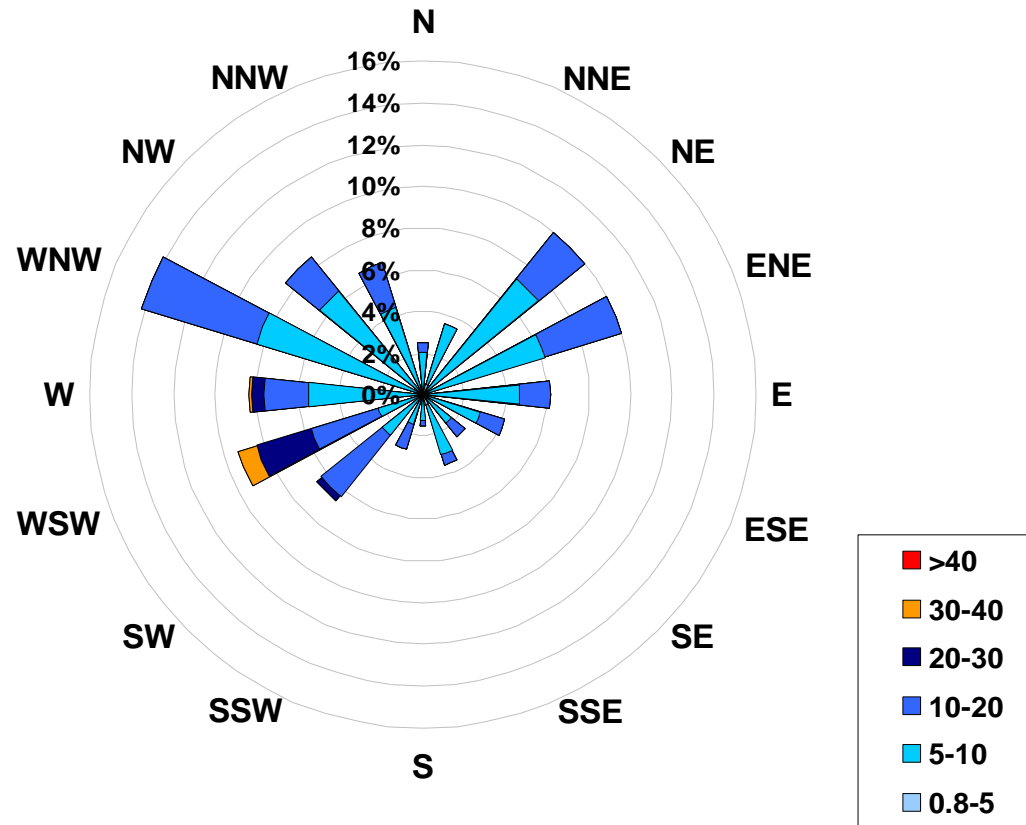
Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	60.5	48.5	22.4	13.4	8.1	4.3	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-Mar-07	11	16	17	27	15	11	12	10	7	11	6	6	19	8	8	12	7	10	12	14	12	6	6	6	26.7
2-Mar-07	10	5	7	12	15	12	22	17	8	10	15	18	10	7	11	11	8	11	10	10	24	47	39	43	47.4
3-Mar-07	25	31	20	38	47	51	34	37	15	13	9	11	15	13	15	12	12	10	16	18	16	15	13	14	51.0
4-Mar-07	17	19	17	17	11	10	13	10	13	10	14	15	21	13	15	13	15	17	13	10	11	13	14	18	20.7
5-Mar-07	18	13	16	26	22	23	22	27	22	18	24	25	31	44	36	20	44	19	24	19	13	13	12	13	44.5
6-Mar-07	14	8	10	10	10	11	11	8	10	10	21	25	49	14	25	49	23	10	14	16	14	17	15	30	49.1
7-Mar-07	39	23	46	61	57	63	26	18	20	10	6	10	9	24	37	45	12	10	8	39	31	6	27	34	63.3
8-Mar-07	59	49	54	26	29	27	33	27	10	25	23	10	16	18	15	23	16	6	5	10	8	7	3	3	58.6
9-Mar-07	7	5	5	8	16	38	18	43	44	18	51	50	9	7	6	12	8	6	6	20	20	13	17	10	51.3
10-Mar-07	11	14	13	24	15	19	19	21	18	22	9	18	11	12	9	10	14	10	13	12	12	9	14	16	23.6
11-Mar-07	17	19	16	16	12	11	10	9	9	11	14	12	22	19	23	21	41	43	11	10	14	25	16	21	43.4
12-Mar-07	40	14	18	20	8	5	4	4	4	10	17	14	9	15	10	7	5	6	5	6	5	5	4	5	40.3
13-Mar-07	6	14	26	7	7	5	28	20	23	6	19	19	27	53	11	20	37	55	6	17	60	31	52	44	59.9
14-Mar-07	14	13	17	22	18	14	49	59	29	56	17	13	8	6	10	16	28	23	8	8	37	51	11	15	58.7
15-Mar-07	40	14	18	14	16	10	13	19	17	14	33	18	14	21	24	13	15	21	26	43	56	33	68	16	67.5
16-Mar-07	22	19	24	10	18	15	13	19	27	29	23	13	12	18	15	14	11	9	10	12	18	11	13	33	33.5
17-Mar-07	18	19	18	15	10	6	4	4	4	5	7	8	9	9	11	21	13	14	13	9	4	4	6	5	21.4
18-Mar-07	4	9	6	9	8	14	8	15	32	51	6	11	23	18	16	16	18	11	9	7	8	8	10	9	50.7
19-Mar-07	8	10	9	9	8	12	8	8	7	7	10	30	10	11	17	20	44	41	34	36	29	49	34	49.0	
20-Mar-07	40	42	23	19	27	24	52	40	13	12	10	12	19	25	30	4	5	5	13	5	5	8	27	52	52.1
21-Mar-07	54	42	22	15	23	25	39	5	4	7	30	10	7	7	6	7	11	7	6	8	9	5	5	5	53.8
22-Mar-07	6	3	3	4	7	4	2	3	3	3	3	5	5	5	4	4	4	4	4	4	6	6	14	6	14.2
23-Mar-07	27	26	15	14	10	8	9	7	7	6	7	7	8	8	18	47	29	13	10	8	9	5	6	8	47.2
24-Mar-07	7	5	7	7	55	7	7	6	7	5	9	9	47	17	13	36	18	47	24	6	11	12	19	21	54.7
25-Mar-07	20	9	6	29	19	25	14	6	12	13	7	5	4	4	4	3	3	4	4	8	4	5	24	20	28.7
26-Mar-07	10	20	52	38	65	48	15	12	13	14	47	71	40	36	11	25	15	16	28	18	37	20	16	29	70.7
27-Mar-07	16	33	38	49	35	62	38	18	46	16	5	6	6	6	6	5	7	11	17	21	16	38	14	49	61.7
28-Mar-07	11	41	28	46	50	33	24	11	12	26	19	34	18	10	11	11	20	10	33	24	45	44	17	8	49.7
29-Mar-07	9	12	5	8	7	7	7	12	9	18	9	24	15	9	10	16	30	54	56	42	32	26	48	69	69.0
30-Mar-07	42	41	56	23	62	33	26	19	25	16	14	18	10	15	8	8	17	4	4	8	5	5	4	4	61.9
31-Mar-07	6	5	3	10	16	7	7	9	10	7	7	9	6	8	8	8	8	7	4	6	7	4	5	5	15.9
Hourly Max	59	49	56	61	65	63	52	59	46	56	51	71	49	53	37	49	44	55	56	43	60	51	68	69	

1-hr Average Wind Rose (in km/hr) Located at the Henry Pirker Site for March 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	23
5	to	10	439
10	to	20	235
20	to	30	26
30	to	40	8
	>	40	0
Total Non-Zero Values			731

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)

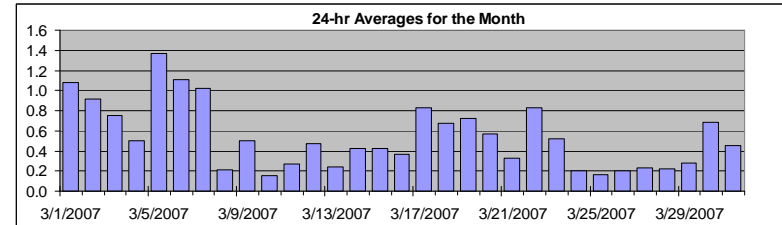
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	4.6	ppb	6-Mar	11:00	12:00
Maximum 24-hr Average:	1.4	ppb	5-Mar		

AIC Time:	33 hrs		Operational Time:	708 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	2.6	1.6	0.7	0.3	0.2	0.1	0.0	0.5 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	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-Mar-07	1:00	2:00	1	1	1	A	0	0	0	0	1	1	1	1	1	1	1	1	2	3	2	1	0	1	1	1	1	1.1	2.6	
2-Mar-07	1:00	2:00	1	1	A	1	1	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0.9	1.7	
3-Mar-07	1:00	2:00	1	A	1	1	1	0	0	0	0	1	2	2	2	1	1	1	1	0	0	0	0	1	0	1	1	0.8	2.2	
4-Mar-07	1:00	2:00	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	A	0.5	2.1	
5-Mar-07	1:00	2:00	1	1	1	1	1	2	2	1	1	0	0	0	0	3	2	1	1	3	3	2	1	1	2	1	A	2	1.4	3.1
6-Mar-07	1:00	2:00	1	1	1	1	1	1	1	1	0	1	1	3	5	1	1	1	1	1	1	1	1	1	A	1	1	1.1	4.6	
7-Mar-07	1:00	2:00	1	1	1	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	1	0	0	A	0	0	0	1.0	2.4	
8-Mar-07	1:00	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	A	0	0	0	0	0.2	0.5	
9-Mar-07	1:00	2:00	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	A	0	0	0	0	0	0.5	1.2	
10-Mar-07	1:00	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.2	0.4	
11-Mar-07	1:00	2:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.3	0.8	
12-Mar-07	1:00	2:00	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0	0	0	0	0	0	0.5	0.9	
13-Mar-07	1:00	2:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.2	0.6	
14-Mar-07	1:00	2:00	0	0	0	0	0	0	0	0	0	1	1	1	1	1	A	C	C	C	A	0	0	0	0	0	0	0.4	0.8	
15-Mar-07	1:00	2:00	0	0	0	0	0	A	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9	
16-Mar-07	1:00	2:00	0	0	0	0	A	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.4	0.5	
17-Mar-07	1:00	2:00	0	0	1	A	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0.8	1.6	
18-Mar-07	1:00	2:00	0	0	A	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0.7	1.5	
19-Mar-07	1:00	2:00	0	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0.7	1.6	
20-Mar-07	1:00	2:00	0	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0.6	1.4	
21-Mar-07	1:00	2:00	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.3	0.6	
22-Mar-07	1:00	2:00	0	2	2	A	1	3	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	2.9	
23-Mar-07	1:00	2:00	0	0	A	0	0	0	0	0	1	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0.5	3.1	
24-Mar-07	1:00	2:00	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.2	
25-Mar-07	1:00	2:00	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.2	0.3		
26-Mar-07	1:00	2:00	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	
27-Mar-07	1:00	2:00	0	0	0	0	0	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7	
28-Mar-07	1:00	2:00	0	0	0	0	A	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8	
29-Mar-07	1:00	2:00	0	0	0	A	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3	0.8	
30-Mar-07	1:00	2:00	0	0	A	0	0	0	0	0	0	1	1	3	2	1	1	1	1	2	1	0	0	0	0	0	0	0.7	2.7	
31-Mar-07	1:00	2:00	0	A	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0.5	1.2	
Hourly Avg			0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.7	0.9	1.0	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.4	0.4	0.4	0.3	0.4				
Hourly Max			1.4	1.8	2.5	1.5	2.5	2.9	2.4	2.2	1.4	2.5	3.4	4.6	2.0	2.0	1.9	2.7	2.6	1.9	1.4	1.2	1.6	2.1	1.2	1.9				

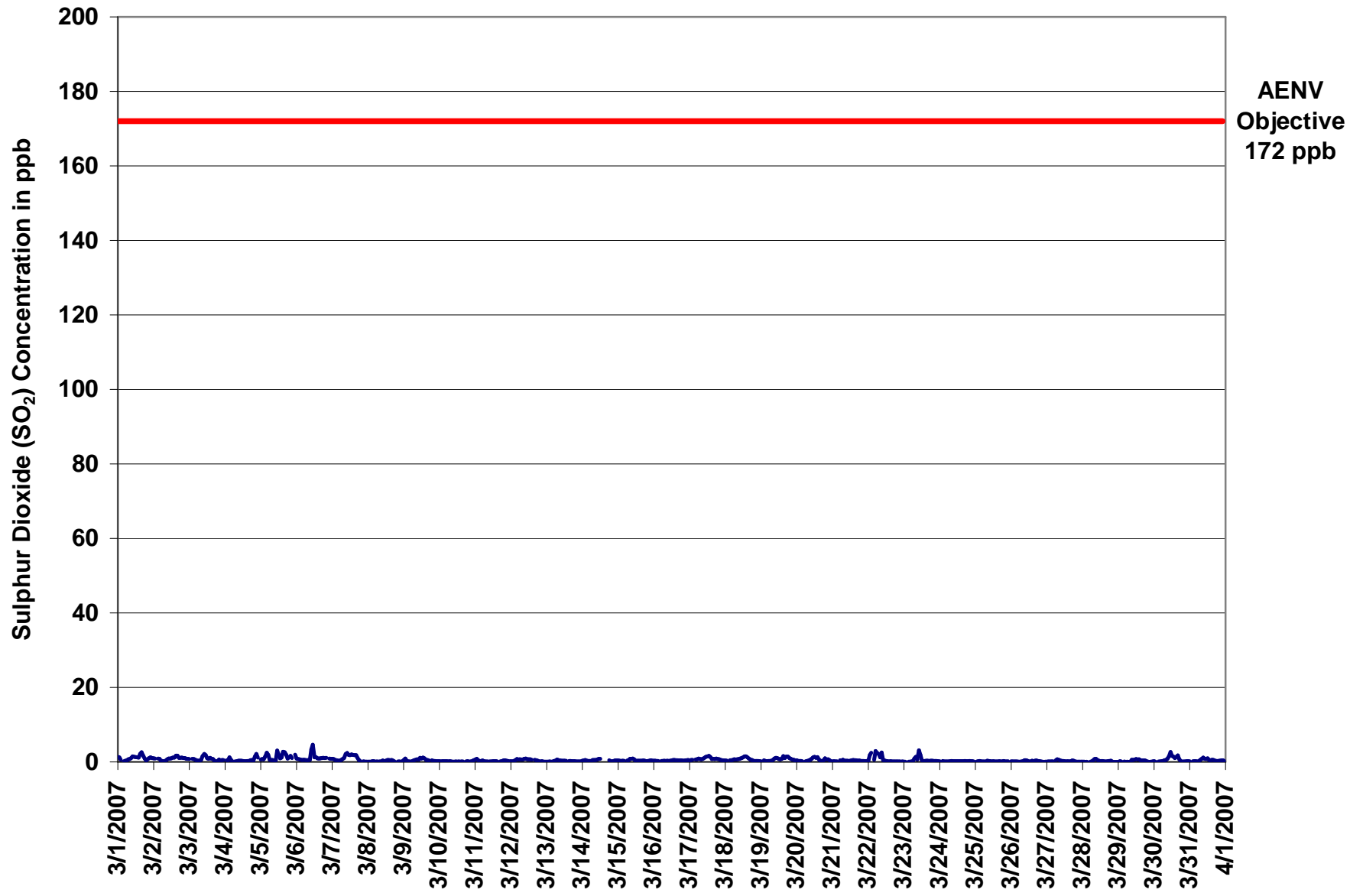


Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

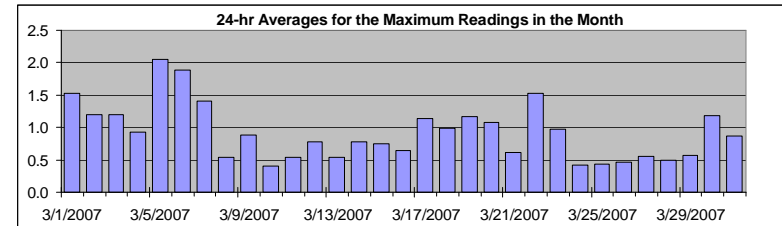
Sulphur Dioxide (SO₂)

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

Summary

Maximum 1-hr Value:	11.7	ppb	6-Mar	10:00 11:00
Maximum 24-hr Value:	2.0	ppb	5-Mar	

AIC Time:	33 hrs	Operational Time:	708 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.2	2.4	1.1	0.6	0.4	0.3	0.2	0.9 ppb	0.6 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Mar-07	2	2	1	A	0	1	1	1	1	2	2	2	2	2	3	3	2	1	1	1	2	2	1	1.5	3.3	
2-Mar-07	1	1	A	1	1	1	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1.2	1.9	
3-Mar-07	1	A	1	1	1	1	0	1	2	2	3	2	1	1	2	1	1	0	0	1	1	0	2	2	1.2	2.7
4-Mar-07	A	1	1	2	2	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	2	2	2	A	0.9	2.5
5-Mar-07	1	1	1	2	3	3	1	1	1	1	1	5	4	1	2	3	3	3	2	2	2	1	A	3	2.0	4.9
6-Mar-07	1	1	1	1	1	1	1	1	1	1	12	8	2	2	1	1	1	1	1	1	2	A	1	1	1.9	11.7
7-Mar-07	1	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	1	0	A	0	0	0	0	1.4	2.7
8-Mar-07	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	A	1	1	0	1	0.5	1.0
9-Mar-07	1	1	1	0	0	0	1	1	1	1	1	2	1	2	1	1	1	A	1	1	1	1	0	0	0.9	2.0
10-Mar-07	0	0	1	0	0	1	0	1	0	0	0	0	1	0	0	1	0	A	0	0	0	1	0	1	0.4	0.7
11-Mar-07	1	1	1	1	1	1	1	0	0	1	0	0	0	1	0	0	A	0	0	1	1	1	1	0	0.5	1.1
12-Mar-07	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0	1	0	0	0	0.8	1.2
13-Mar-07	0	0	0	0	0	1	1	1	1	1	1	1	1	1	A	1	0	0	1	1	0	0	0	0	0.5	1.2
14-Mar-07	1	1	1	1	0	1	1	1	1	1	1	1	1	A	C	C	C	A	1	0	0	1	1	1	0.8	1.5
15-Mar-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0.7	1.4
16-Mar-07	1	1	1	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1
17-Mar-07	1	1	1	A	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1.1	2.0
18-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1.0	2.0
19-Mar-07	0	A	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	3	1	1	1	1	1	1	1.2	3.2
20-Mar-07	1	1	1	1	0	A	1	1	1	1	1	2	2	2	2	1	1	1	2	2	1	3	1	1	1.1	2.6
21-Mar-07	0	0	0	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0.6	0.9
22-Mar-07	1	3	5	A	1	5	5	4	2	4	1	1	1	1	0	0	0	0	0	1	0	0	0	0	1.5	5.2
23-Mar-07	1	0	A	0	0	0	1	2	2	1	4	4	1	0	1	1	1	1	1	1	1	1	1	0	1.0	4.1
24-Mar-07	0	A	0	0	0	0	0	1	0	0	0	1	0	1	0	1	1	0	0	0	1	0	0	0	0.4	0.6
25-Mar-07	A	0	1	0	0	0	1	0	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0	A	0.4	1.0
26-Mar-07	0	0	0	0	1	0	0	0	1	1	1	1	0	0	1	0	1	1	1	0	0	0	0	0	0.5	1.3
27-Mar-07	0	0	0	0	1	A	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0.5	1.4
28-Mar-07	0	0	0	0	A	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0.5	1.1
29-Mar-07	0	1	0	A	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.6	1.2
30-Mar-07	0	0	A	0	0	0	0	1	1	1	2	4	3	2	1	2	2	2	0	0	0	0	1	0	1.2	4.5
31-Mar-07	0	A	0	1	1	0	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	1	1	1	0.9	2.8
Hourly Avg	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.9	0.9	1.2	1.5	1.6	1.1	1.0	1.0	1.1	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.7		
Hourly Max	1.7	3.0	4.7	2.2	2.9	4.9	5.2	4.1	2.0	4.2	11.7	8.4	3.6	2.2	2.4	3.3	3.3	2.5	3.2	2.5	2.3	2.6	2.4	3.1		

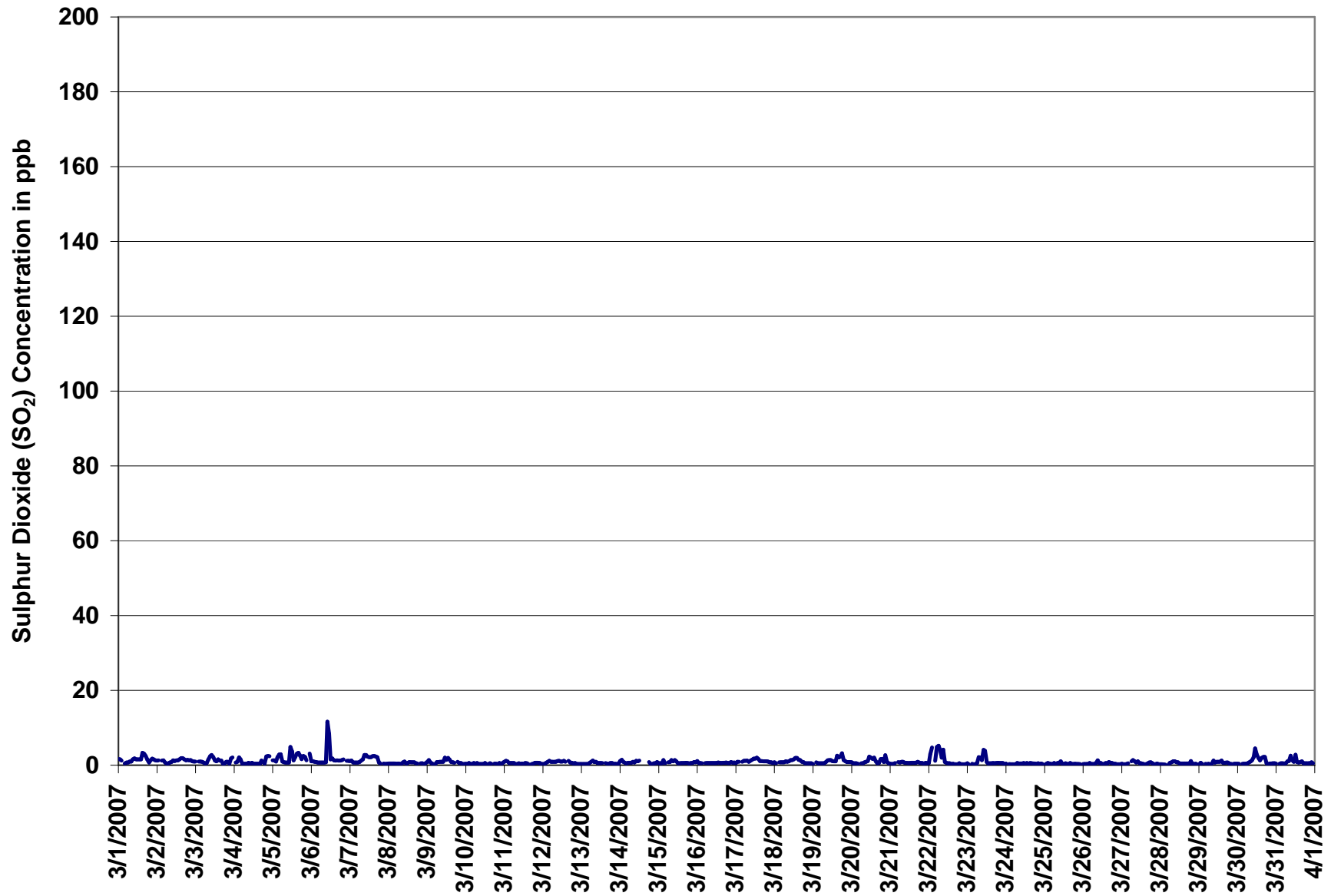
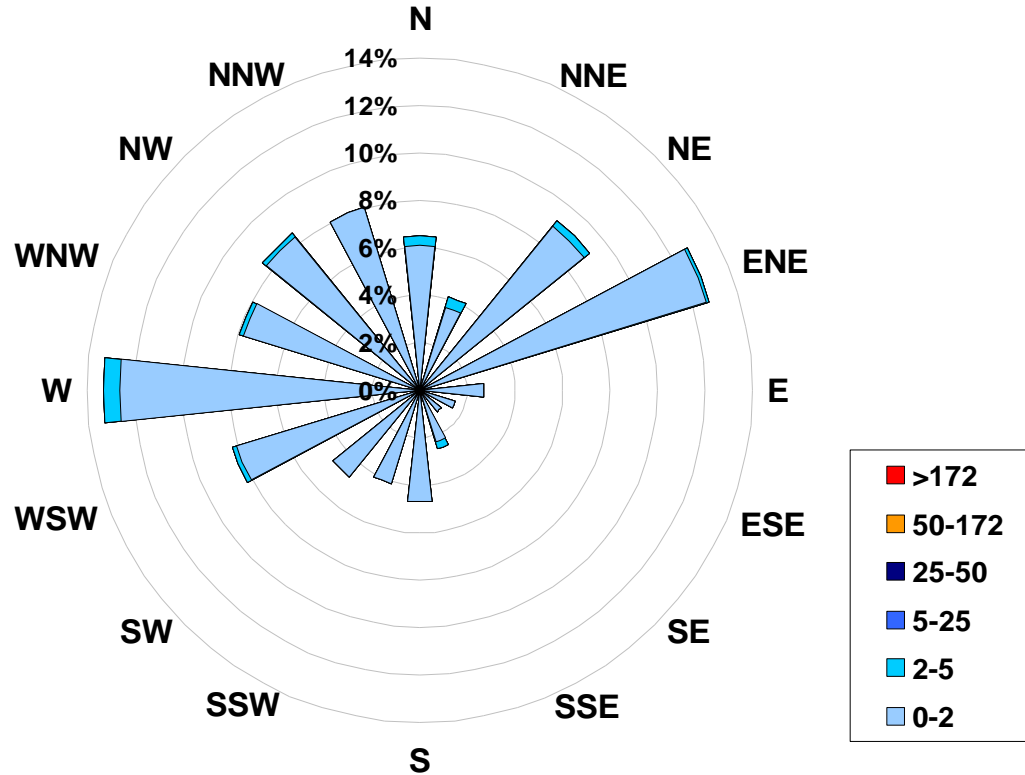


Figure 21. PASZA - Evergreen Park Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb Range			Frequency (hrs)
0.0	<	2	689
2	to	5	19
5	to	25	0
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			708

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

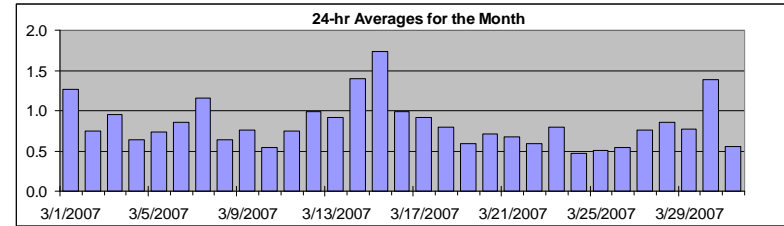
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

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

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

Summary			
Maximum 1-hr Average:	5.8 ppb	30-Mar	6:00 7:00
Maximum 24-hr Value:	1.7 ppb	15-Mar	



AIC Time:	34 hrs	Operational Time:	705 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%
Percentile	99	75	50
	3.4	1.8	0.9
		0.7	0.6
		0.4	0.4
		5	1
		0.4	0.4
		Average	Median
		0.8 ppb	0.7 ppb

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

Day	Mountain Standard Time																								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-Mar-07	1	1	1	A	1	1	1	1	2	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	5.8
2-Mar-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	1	0.8	1.1
3-Mar-07	1	A	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	3.4
4-Mar-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	0.6	0.8
5-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.7	0.8	
6-Mar-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	1	0.9	1.3	
7-Mar-07	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1.2	2.4	
8-Mar-07	0	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	0.6	0.8	
9-Mar-07	1	1	1	1	0	1	1	1	1	2	3	1	1	1	0	0	0	0	0	0	A	1	1	1	1	1	0	0.8	2.8
10-Mar-07	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	A	1	1	1	1	1	1	0.5	0.8	
11-Mar-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	0.8	1.0	
12-Mar-07	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.0	1.5	
13-Mar-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	0.9	1.4	
14-Mar-07	1	1	4	2	2	2	2	1	1	1	1	1	1	1	A	C	C	C	A	1	1	1	1	1	1	2	1.4	3.7	
15-Mar-07	1	2	2	3	3	A	2	3	3	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.7	3.5	
16-Mar-07	2	3	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.7	
17-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1	
18-Mar-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	0.8	1.4	
19-Mar-07	1	A	1	1	1	0	1	1	1	1	1	1	1	M	M	A	1	1	1	1	1	1	1	1	1	1	0.6	0.8	
20-Mar-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	1.0	
21-Mar-07	1	1	1	1	A	2	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.7	1.8	
22-Mar-07	0	1	1	A	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8	
23-Mar-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	0	0.8	1.4	
24-Mar-07	1	A	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0.5	0.6	
25-Mar-07	A	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	1	1	0	0	1	0	1	A	0.5	0.6		
26-Mar-07	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0.5	0.9	
27-Mar-07	1	1	1	1	1	A	2	2	1	0	0	0	0	1	0	1	1	1	1	0	1	1	0	1	1	1	0.8	2.1	
28-Mar-07	1	0	1	0	A	0	1	2	4	2	1	1	1	1	0	0	1	1	0	1	1	0	1	1	1	1	0.9	3.5	
29-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2	
30-Mar-07	1	1	A	2	2	3	6	4	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1.4	5.8	
31-Mar-07	0	A	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0.6	0.8	
Hourly Avg	0.8	0.9	0.9	1.0	0.9	0.9	1.1	1.2	1.3	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8			
Hourly Max	2.2	2.7	3.7	2.7	2.6	2.9	5.8	4.3	5.8	3.5	3.4	1.9	1.0	1.1	1.0	0.8	1.2	1.1	0.9	1.0	1.1	1.1	1.1	1.4	2.0				

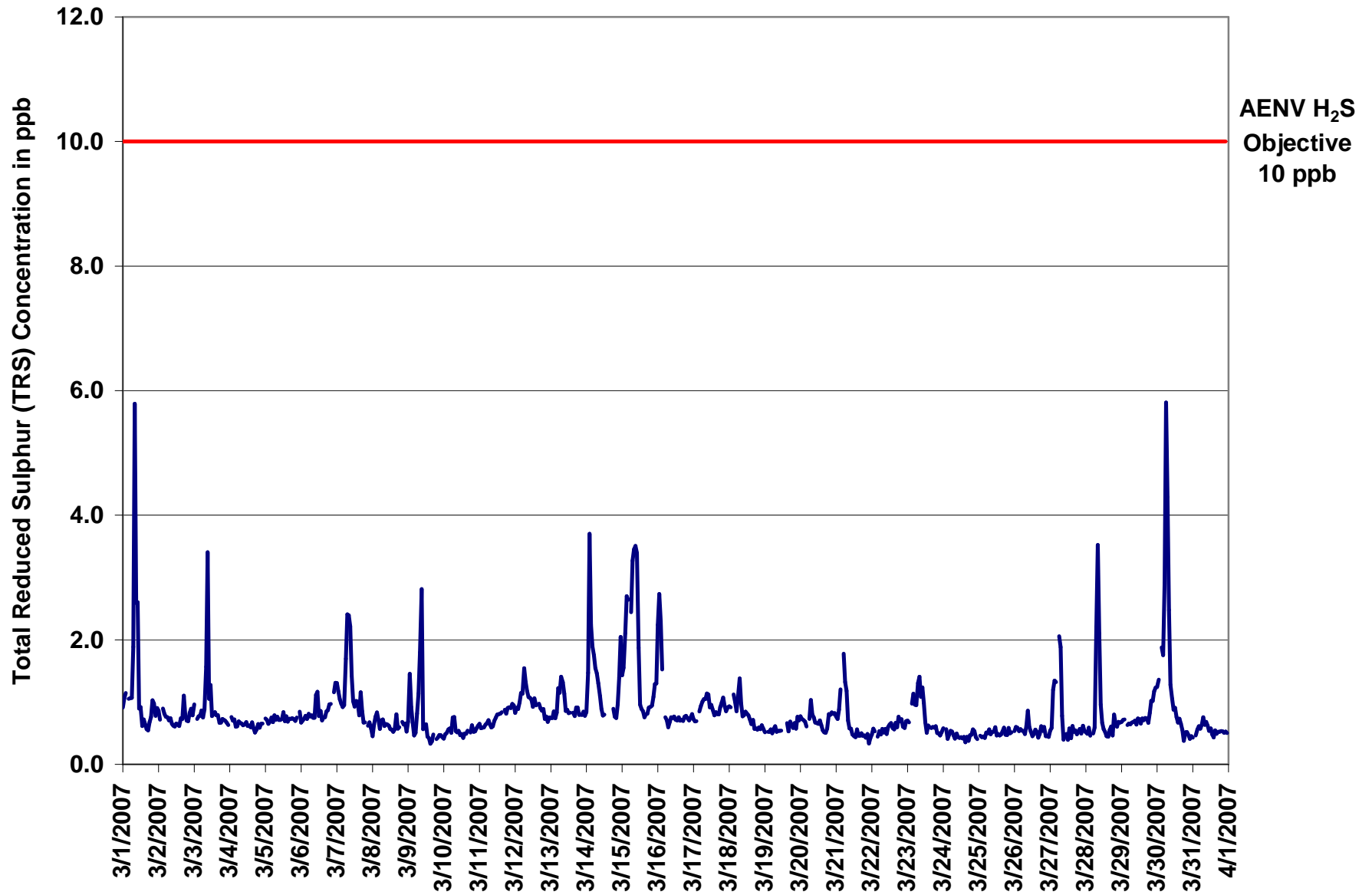


Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

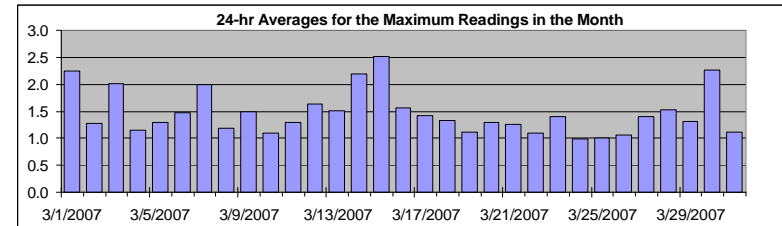
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

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

Summary

Maximum 1-hr Value:	8.7	ppb	3-Mar	9:00 10:00
Maximum 24-hr Value:	2.5	ppb	15-Mar	



AIC Time:	34 hrs	Operational Time:	705 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.4	2.9	1.5	1.2	1.1	0.9	0.8	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

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	1	2	2	A	2	2	2	3	8	5	7	2	2	1	1	1	1	1	1	2	2	1	2	2.2	8.1	
2-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1.3	1.7	
3-Mar-07	1	A	1	1	1	1	1	1	8	9	1	2	3	1	1	1	1	1	1	1	1	1	1	2.0	8.7	
4-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.1	1.3	
5-Mar-07	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.3	1.6	
6-Mar-07	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	A	2	2	1.5	2.8	
7-Mar-07	2	2	1	1	2	1	3	5	5	3	2	2	1	2	2	1	2	2	1	1	A	1	1	2.0	5.5	
8-Mar-07	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1.2	1.6	
9-Mar-07	1	2	2	1	1	1	1	3	4	5	1	1	1	1	1	1	1	A	1	1	1	1	1	1.5	5.1	
10-Mar-07	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.1	1.5	
11-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	2	1.3	1.6	
12-Mar-07	1	1	2	2	2	2	4	2	1	2	2	1	2	2	1	A	2	1	1	1	1	1	1	1.6	3.7	
13-Mar-07	1	1	1	1	1	2	2	2	2	2	1	2	1	1	A	1	1	2	2	2	1	1	1	1.5	2.4	
14-Mar-07	1	3	5	4	3	2	2	2	2	2	1	1	2	A	C	C	C	A	1	1	1	2	3	2.2	4.8	
15-Mar-07	2	2	3	4	3	A	3	4	5	4	4	3	1	1	1	1	1	2	2	2	2	2	2	2.5	5.0	
16-Mar-07	3	4	3	3	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.6	3.6	
17-Mar-07	1	1	1	A	1	2	2	2	2	2	2	1	2	1	1	1	1	2	1	1	1	1	2	1.4	1.8	
18-Mar-07	1	1	A	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	2.1	
19-Mar-07	1	A	1	1	1	1	1	1	1	1	1	1	M	M	A	1	1	1	1	1	1	1	1	1.1	1.3	
20-Mar-07	1	1	1	1	1	A	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1.3	2.7	
21-Mar-07	1	1	1	2	A	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	2.7	
22-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.4	
23-Mar-07	1	1	A	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1.4	2.4	
24-Mar-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	1.1	
25-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.0	1.4	
26-Mar-07	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.6	
27-Mar-07	1	1	3	2	2	A	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	3.1	
28-Mar-07	1	1	1	1	A	1	1	4	5	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1.5	5.1	
29-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1.3	1.8	
30-Mar-07	2	2	A	3	2	6	7	7	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2.3	7.2	
31-Mar-07	1	A	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1.1	2.1	
Hourly Avg	1.3	1.5	1.6	1.6	1.4	1.5	1.8	2.1	2.3	2.0	1.7	1.4	1.4	1.2	1.2	1.1	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.3		
Hourly Max	3.0	3.6	4.8	4.2	3.2	5.8	7.2	6.7	8.2	8.7	7.4	3.5	3.0	2.4	1.6	1.5	2.1	2.0	1.7	1.7	1.9	2.1	2.5	2.8		

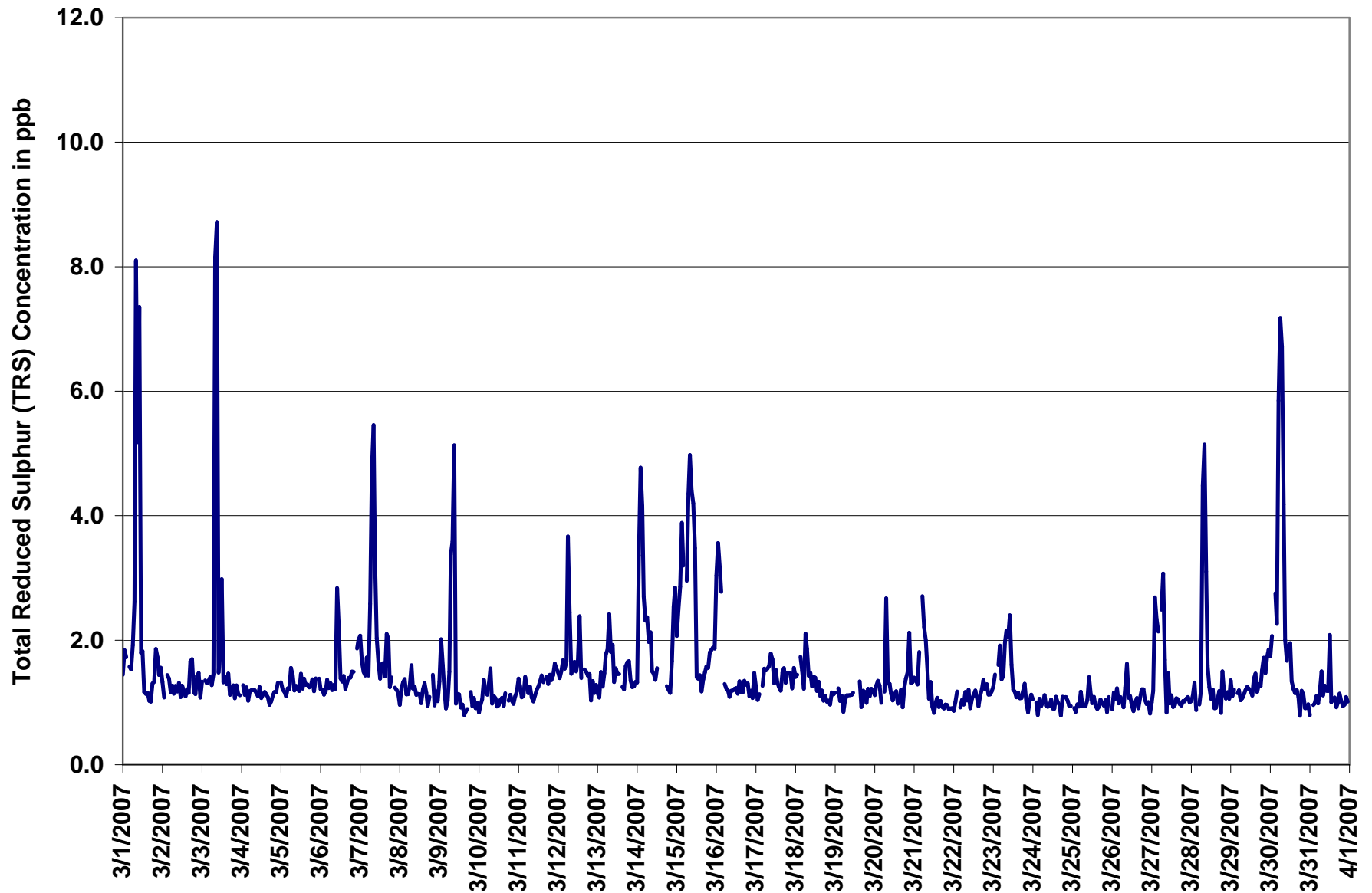
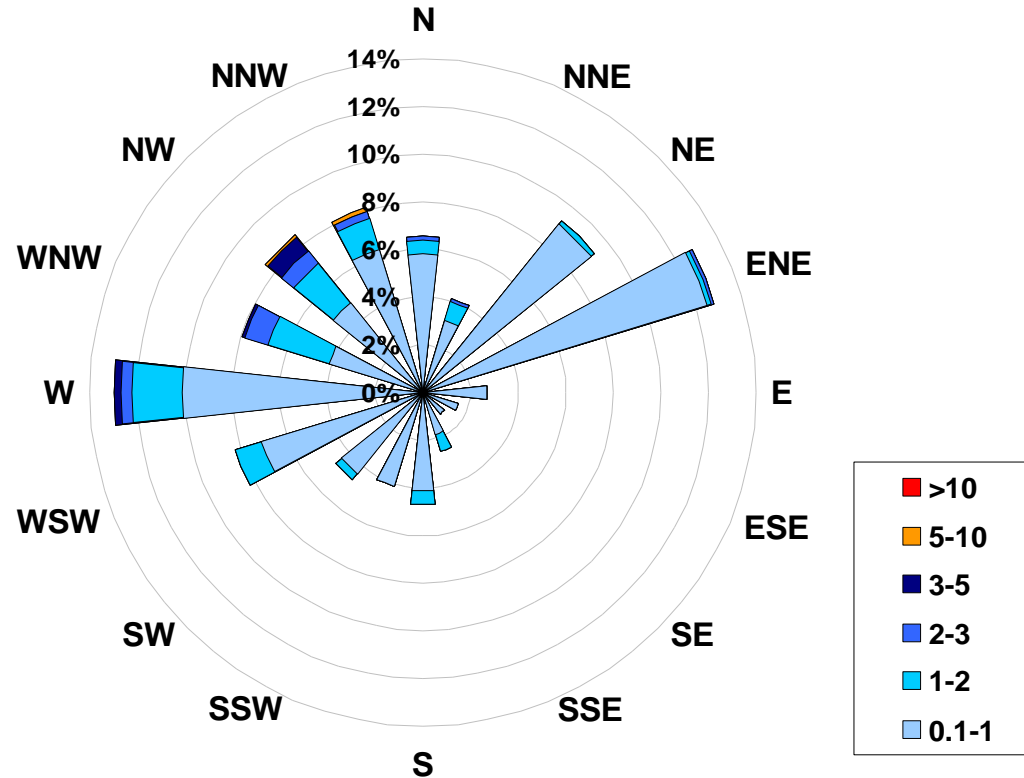


Figure 23. PASZA - Evergreen Park Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	585
1	to	2	90
2	to	3	20
3	to	5	8
5	to	10	2
	>	10	0
Total Non-Zero Values			705

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

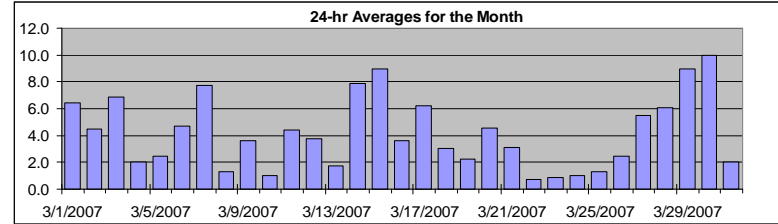
Particulate Matter (PM_{2.5})

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

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	27.8 µg/m ³ 15-Mar 9:00 10:00
Maximum 24-hr Value:	10.0 µg/m ³ 30-Mar

AIC Time:	0 hrs	Operational Time:	739 hrs
Calibration Time:	1 hrs	AMD Operational Uptime:	99.5%
Percentile	99	95	75
	20.0	12.4	5.9
	50	25	5
	2.9	1.0	0.0
	0.0	0.0	0.0
	Average / Median		4.2
	Geomean		3.3 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Mar-07	7	6	4	5	5	6	6	9	10	12	9	4	4	4	8	5	6	5	7	8	11	9	4	1	6.4	12.4
2-Mar-07	1	2	1	1	0	0	1	2	3	1	1	1	1	4	5	13	13	7	9	8	8	7	7	11	4.5	13.4
3-Mar-07	12	6	8	8	7	7	6	6	12	13	13	9	P	3	4	5	5	7	6	5	4	4	3	6.9	12.9	
4-Mar-07	3	3	4	2	2	2	2	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2.0	3.5
5-Mar-07	1	2	2	2	2	2	1	2	2	2	2	2	3	2	3	2	4	4	4	4	4	3	3	2	2.4	4.1
6-Mar-07	2	1	2	2	3	2	2	2	2	2	4	5	3	4	3	5	4	7	10	8	10	11	11	9	4.7	11.0
7-Mar-07	10	8	8	9	8	8	10	11	12	11	12	11	11	11	15	6	11	9	4	0	1	1	0	0	7.7	14.7
8-Mar-07	1	2	2	2	3	0	2	1	4	6	3	1	0	0	0	0	3	1	0	0	0	0	1	1	1.3	6.4
9-Mar-07	0	2	2	0	1	0	4	10	12	18	3	7	6	2	1	2	2	4	3	2	0	2	1	1	3.6	17.8
10-Mar-07	0	1	1	1	0	0	3	3	2	1	0	0	0	0	0	1	0	0	1	1	2	2	3	2	1.0	3.4
11-Mar-07	3	4	3	3	3	4	4	3	2	1	1	2	3	2	3	3	5	5	5	6	6	8	11	16	4.4	16.2
12-Mar-07	10	12	6	3	2	3	5	5	7	7	8	2	4	6	4	1	4	0	0	1	0	0	0	0	3.8	11.8
13-Mar-07	0	0	0	0	0	1	0	6	9	2	0	1	2	1	0	3	1	4	4	6	0	1	1	1	1.8	8.7
14-Mar-07	3	4	10	18	25	12	10	8	12	13	9	4	4	14	8	C	0	0	0	0	0	4	7	17	7.9	25.0
15-Mar-07	12	8	10	8	9	9	8	11	23	28	25	15	2	5	5	3	4	2	5	3	3	4	7	6	8.9	27.8
16-Mar-07	7	6	5	3	3	2	2	3	3	4	4	5	3	4	3	3	3	3	3	3	3	4	4	5	3.6	7.2
17-Mar-07	5	6	6	5	8	6	5	5	5	6	6	7	7	8	8	8	7	8	6	7	5	5	5	4	6.2	8.4
18-Mar-07	4	4	4	3	3	4	5	5	5	3	5	5	4	4	5	3	3	2	1	1	2	0	1	0	3.1	5.3
19-Mar-07	0	0	0	0	0	1	1	1	1	1	0	1	2	5	4	4	4	4	5	5	D	5	4	3	2.3	5.5
20-Mar-07	3	3	6	4	2	2	4	7	10	6	9	10	8	6	4	1	2	2	3	7	5	3	3	2	4.6	10.1
21-Mar-07	3	3	6	6	9	11	5	7	6	0	5	3	1	3	5	1	1	0	0	0	0	0	0	0	3.1	10.7
22-Mar-07	0	0	0	0	1	1	1	1	1	2	1	0	0	1	0	1	1	1	0	1	1	1	1	0	0.8	1.8
23-Mar-07	1	1	0	2	1	0	0	2	2	0	0	0	0	0	0	2	2	0	2	1	2	1	1	0	0.9	2.3
24-Mar-07	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	2	3	0	3	1	1	2	5	3	1.0	5.1
25-Mar-07	2	2	2	1	0	3	4	3	1	0	2	0	0	1	0	1	0	0	1	1	1	1	1	2	1.3	4.0
26-Mar-07	1	0	1	0	0	0	1	4	1	3	2	0	0	0	0	1	2	5	11	6	8	6	4	3	2.5	10.5
27-Mar-07	5	5	6	6	7	9	11	23	11	5	3	2	2	0	1	1	2	5	4	3	4	4	8	7	5.5	22.6
28-Mar-07	3	2	3	3	4	4	6	15	19	20	12	3	D	0	0	0	0	1	3	13	9	4	7	7	6.1	20.3
29-Mar-07	3	4	6	4	4	2	2	3	3	7	9	11	10	10	10	10	8	9	12	16	17	20	18	17	9.0	19.6
30-Mar-07	15	13	12	13	11	13	15	14	P	13	14	22	23	11	8	14	9	6	3	0	0	0	0	0	10.0	23.3
31-Mar-07	0	0	0	1	0	1	2	2	4	6	5	2	1	0	0	0	1	5	6	9	2	2	1	1	2.1	8.6
Hourly Avg	3.8	3.5	3.9	3.7	4.0	3.7	4.1	5.6	6.1	6.4	5.4	4.4	3.7	3.6	3.5	3.5	3.6	3.5	4.0	4.1	3.7	3.7	3.9	4.1		
Hourly Max	14.9	12.9	12.3	18.2	25.0	13.0	15.2	22.6	22.5	27.8	24.7	22.2	23.3	14.2	14.7	14.1	12.5	9.3	12.3	15.9	16.6	19.6	18.0	16.7		

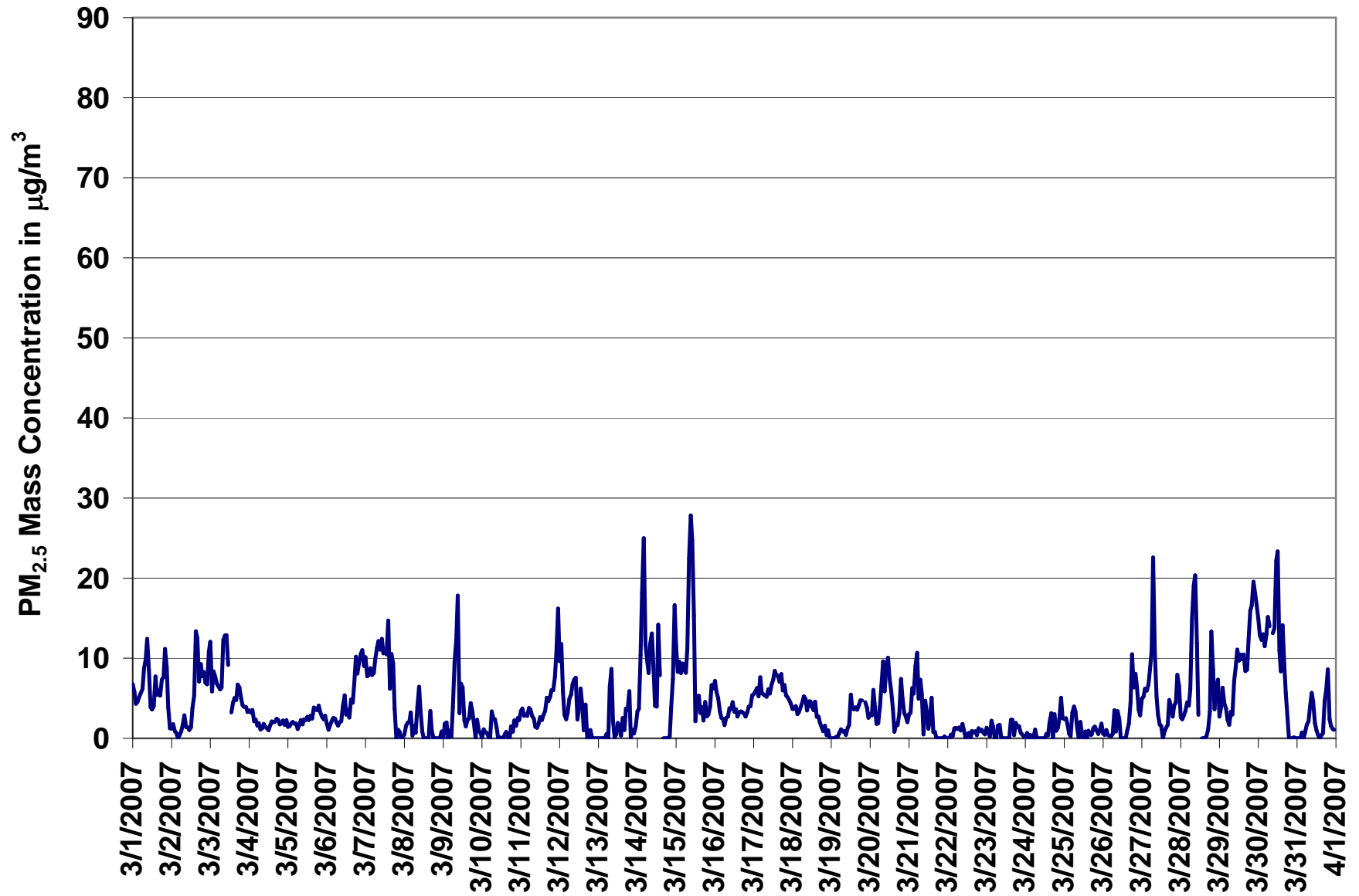


Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

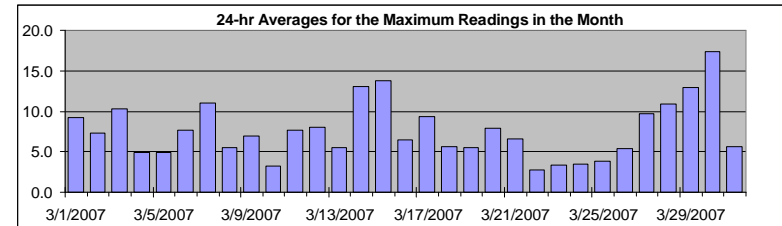
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

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

Summary

Maximum 1-hr Average:	69.0	µg/m ³	30-Mar	11:00 12:00
Maximum 24-hr Value:	17.4	µg/m ³	30-Mar	



AIC Time:	0 hrs	Operational Time:	739 hrs						
Calibration Time:	1 hrs	AMD Operational Uptime:	99.5%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	29.8	18.4	9.7	6.0	3.7	1.7	0.6	7.6	6 µg/m ³

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	9	8	6	7	8	8	9	13	13	14	14	6	5	8	10	8	8	7	11	10	14	12	7	4	9.2	14.4
2-Mar-07	4	4	3	2	4	3	4	5	5	5	3	3	3	6	9	16	15	9	15	12	12	9	10	14	7.3	15.7
3-Mar-07	15	10	12	11	10	9	9	8	21	19	21	12	P	6	7	7	8	9	9	7	7	8	6	6	10.2	20.6
4-Mar-07	6	7	8	6	5	4	6	5	5	4	4	4	3	4	5	5	4	4	5	5	5	4	5	5	4.9	7.5
5-Mar-07	4	4	5	5	5	4	3	4	5	4	4	5	5	5	5	5	7	8	6	6	5	5	5	5	4.9	7.5
6-Mar-07	4	3	4	4	5	4	4	5	5	4	9	9	5	6	7	12	8	9	14	11	13	13	15	12	7.7	15.0
7-Mar-07	14	10	12	11	11	12	13	14	15	14	16	15	14	13	17	13	15	17	8	4	4	3	0	1	11.0	17.5
8-Mar-07	3	5	7	6	8	3	5	4	11	14	7	5	6	4	2	9	10	4	1	1	4	5	5	4	5.5	14.4
9-Mar-07	3	4	6	2	4	2	7	16	21	25	6	11	9	7	3	4	5	8	7	5	3	5	3	2	6.9	24.7
10-Mar-07	3	3	3	3	3	2	7	5	4	3	1	2	2	2	3	4	1	1	4	3	4	5	5	6	3.3	7.0
11-Mar-07	6	7	5	6	5	7	6	5	6	4	4	4	5	4	6	6	8	8	9	8	8	10	23	25	7.6	24.5
12-Mar-07	14	18	11	9	6	6	11	8	10	11	11	10	10	19	11	3	13	2	2	3	1	1	0	1	8.0	19.2
13-Mar-07	1	2	2	2	2	6	3	14	14	16	2	4	7	5	5	6	4	6	6	13	4	5	3	4	5.5	15.7
14-Mar-07	7	10	17	28	45	18	12	11	14	15	14	9	8	21	18	C	0	2	2	2	3	8	10	25	13.0	44.8
15-Mar-07	17	18	16	12	14	14	12	17	31	32	30	29	5	9	8	8	7	7	9	5	5	9	10	9	13.8	32.0
16-Mar-07	15	8	7	6	5	6	3	6	5	6	7	7	6	7	5	6	5	6	7	7	5	6	6	9	6.5	14.7
17-Mar-07	8	8	10	7	11	8	8	8	8	9	8	10	10	12	11	11	10	15	9	12	9	8	7	7	9.3	14.9
18-Mar-07	6	6	6	5	6	6	7	8	8	6	7	7	7	7	7	5	4	4	4	3	4	3	4	4	5.6	8.2
19-Mar-07	1	3	3	2	3	4	4	3	3	3	4	4	10	9	6	7	6	7	8	11	D	10	7	7	5.5	10.9
20-Mar-07	7	6	9	6	5	5	7	11	15	10	12	13	10	9	9	3	5	4	8	11	9	6	5	4	7.9	15.2
21-Mar-07	7	5	9	9	14	14	11	14	8	6	8	10	4	8	8	4	4	1	1	3	3	3	2	2	6.6	14.4
22-Mar-07	1	1	2	2	3	4	3	3	3	4	3	4	4	2	2	2	2	2	3	3	3	4	4	3	2.7	4.5
23-Mar-07	5	4	3	5	6	4	2	4	5	3	2	1	1	0	1	9	6	1	4	4	4	3	2	2	3.3	8.5
24-Mar-07	1	3	2	3	3	2	4	1	1	2	2	1	1	3	3	5	9	3	7	4	5	7	8	5	3.5	8.5
25-Mar-07	5	4	4	4	2	7	7	5	9	2	7	2	3	2	2	2	2	3	3	4	3	3	3	4	3.9	8.5
26-Mar-07	3	2	3	3	3	3	3	6	4	8	6	1	2	2	0	4	5	7	14	10	16	12	6	5	5.4	16.4
27-Mar-07	13	7	9	8	11	11	16	30	31	8	7	4	5	3	3	4	4	9	7	5	7	8	12	10	9.7	30.8
28-Mar-07	6	4	5	6	7	7	11	23	22	28	19	7	D	2	11	3	3	3	10	18	17	10	10	21	10.9	27.8
29-Mar-07	14	6	11	7	7	5	5	5	6	13	13	15	12	13	13	14	11	12	17	22	19	30	23	19	13.0	29.6
30-Mar-07	19	16	14	19	14	18	18	17	P	19	18	69	61	14	12	20	13	16	6	6	4	3	4	3	17.4	69.0
31-Mar-07	1	3	3	4	2	3	7	6	6	9	7	5	3	2	2	2	2	13	14	23	6	5	4	4	5.6	23.0
Hourly Avg	7.1	6.4	7.1	6.8	7.5	6.8	7.2	9.2	10.5	10.3	8.8	9.2	7.8	6.9	6.8	6.8	6.6	6.7	7.4	7.7	6.8	7.0	6.9	7.3		
Hourly Max	18.7	18.2	17.3	27.6	44.8	18.5	18.1	29.9	31.1	32.0	30.3	69.0	60.7	21.3	18.3	19.5	15.4	17.5	16.6	23.0	19.2	29.6	22.9	24.8		

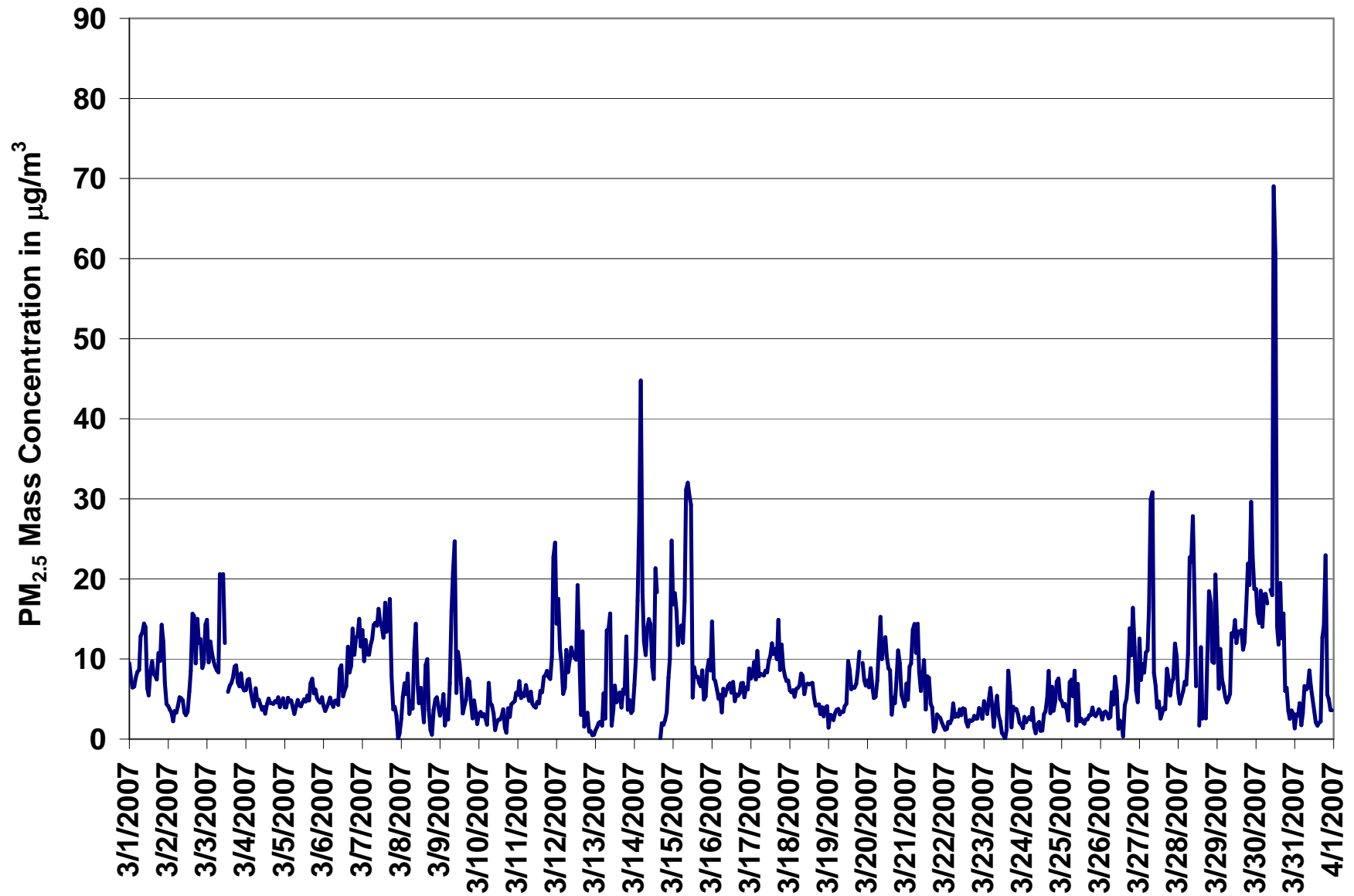
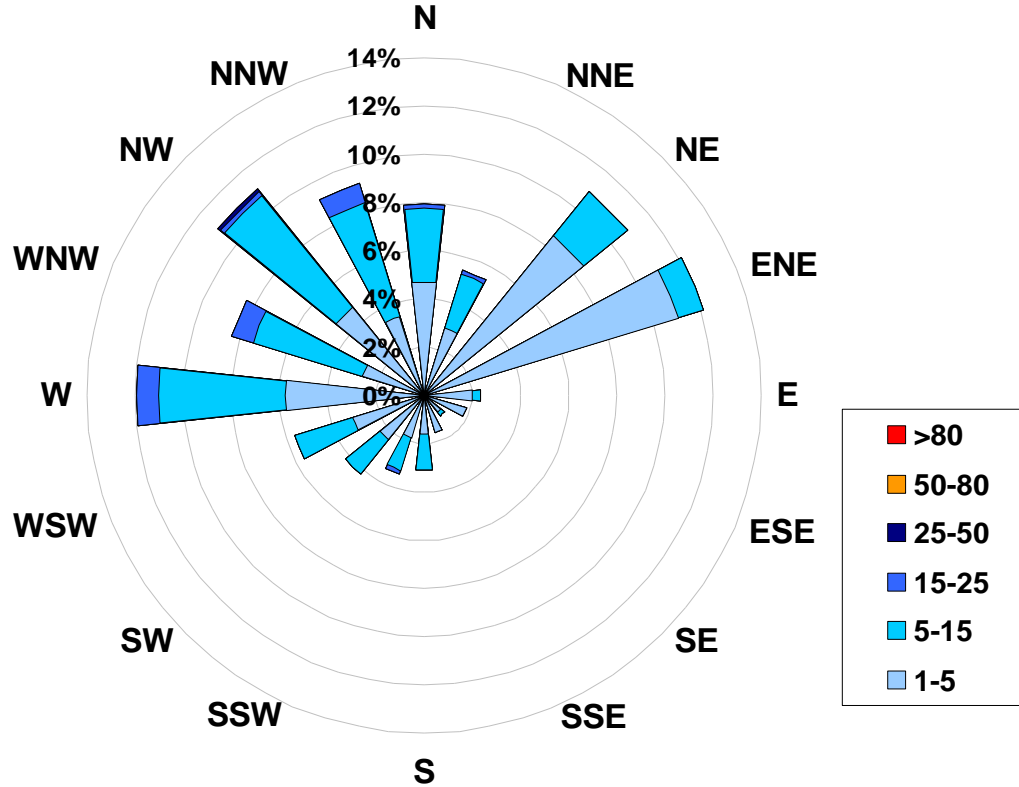


Figure 25. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			Frequency (hrs)
Range			
1.0	<	5	512
5	to	15	207
15	to	25	19
25	to	50	1
50	to	80	0
	>	80	0
Total Non-Zero Values			739

PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

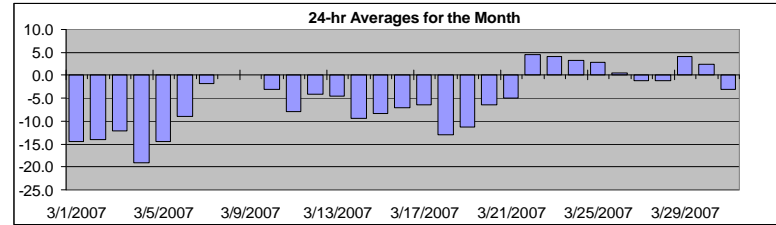
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	12.2 °C	23-Mar	15:00 16:00
Maximum 24-hr Value:	4.6 °C	22-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	10.9	7.1	0.6	-5.0	-10.7	-18.1	-20.5	-5.0 °C	-5.0 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Mar-07	-14	-15	-17	-20	-21	-20	-19	-19	-18	-15	-14	-11	-10	-10	-9	-9	-8	-11	-14	-16	-15	-14	-14	-14	-14	-14	-14.5	-8.5
2-Mar-07	-15	-15	-16	-16	-18	-20	-22	-22	-20	-17	-14	-14	-13	-11	-10	-10	-10	-11	-11	-11	-10	-10	-10	-9	-9	-9	-13.9	-9.2
3-Mar-07	-9	-9	-9	-9	-9	-10	-12	-13	-12	-8	-5	-4	-8	-10	-11	-13	-14	-17	-18	-18	-18	-19	-19	-19	-19	-19	-12.2	-4.0
4-Mar-07	-20	-20	-20	-21	-21	-21	-21	-22	-21	-20	-20	-19	-18	-18	-18	-17	-17	-17	-18	-18	-18	-18	-18	-18	-18	-18	-19.1	-16.8
5-Mar-07	-18	-18	-17	-17	-17	-17	-16	-16	-16	-15	-14	-14	-13	-13	-12	-12	-11	-12	-13	-13	-13	-13	-13	-13	-13	-14.5	-11.4	
6-Mar-07	-13	-13	-13	-13	-13	-13	-13	-13	-12	-11	-9	-8	-7	-6	-6	-6	-5	-6	-6	-6	-6	-6	-6	-6	-6	-9.0	-5.3	
7-Mar-07	-6	-7	-8	-8	-9	-10	-10	-9	-8	-4	0	1	2	4	6	7	5	4	3	2	1	1	0	-1	-1	-1.8	7.0	
8-Mar-07	-1	-1	-1	-2	-2	-3	-3	-4	-4	-2	-1	1	3	5	7	7	6	5	2	-1	-3	-2	-1	-3	0.1	7.4		
9-Mar-07	-2	-1	-3	-4	-6	-8	-8	-8	-5	-2	2	6	6	6	6	6	6	5	3	2	1	1	0	0	0	0.1	6.3	
10-Mar-07	0	0	0	0	0	-1	-1	-1	-1	0	1	0	0	-1	-3	-3	-5	-7	-8	-8	-8	-9	-10	-10	-3.1	0.7		
11-Mar-07	-10	-11	-11	-11	-11	-12	-12	-12	-12	-10	-9	-8	-7	-5	-6	-6	-6	-5	-5	-5	-5	-5	-4	-4	-4	-8.0	-4.0	
12-Mar-07	-4	-4	-4	-6	-7	-7	-7	-7	-7	-7	-5	-4	-2	-2	-4	-2	0	0	-2	-3	-3	-4	-4	-4	-4	-4.0	0.5	
13-Mar-07	-5	-5	-6	-7	-9	-10	-12	-12	-8	-5	-2	0	1	2	2	1	1	0	-1	-3	-5	-7	-9	-11	-11	-4.5	2.4	
14-Mar-07	-12	-14	-15	-15	-14	-13	-13	-12	-11	-9	-6	-6	-4	-4	-4	-5	-3	-2	-5	-9	-11	-12	-14	-15	-15	-9.5	-2.1	
15-Mar-07	-16	-17	-18	-18	-19	-20	-20	-20	-16	-12	-5	0	1	2	3	3	4	1	-1	-4	-5	-7	-8	-8	-8	-8.3	3.6	
16-Mar-07	-9	-9	-9	-9	-9	-9	-10	-10	-9	-8	-8	-7	-5	-4	-4	-4	-5	-5	-5	-6	-6	-6	-6	-6	-6	-7.2	-4.0	
17-Mar-07	-6	-6	-5	-5	-5	-5	-6	-6	-7	-7	-7	-6	-5	-5	-4	-4	-4	-5	-7	-8	-10	-11	-11	-12	-12	-6.5	-3.8	
18-Mar-07	-13	-13	-14	-14	-14	-15	-15	-15	-14	-13	-13	-13	-11	-10	-10	-10	-10	-11	-12	-13	-13	-13	-14	-14	-15	-12.9	-10.1	
19-Mar-07	-16	-16	-16	-15	-15	-14	-13	-13	-12	-10	-9	-8	-9	-9	-9	-9	-9	-9	-9	-9	-10	-10	-10	-10	-10	-11.2	-8.2	
20-Mar-07	-10	-11	-10	-10	-11	-11	-11	-10	-9	-8	-8	-6	-5	-3	1	2	2	1	0	-5	-6	-7	-10	-12	-12	-6.5	2.1	
21-Mar-07	-15	-16	-17	-19	-19	-18	-16	-14	-9	-4	-2	-2	-1	0	0	2	4	5	5	5	4	4	4	3	3	-4.9	5.2	
22-Mar-07	3	3	4	4	4	3	3	3	4	4	5	6	6	7	7	7	6	6	5	5	5	4	3	2	2	4.6	7.1	
23-Mar-07	-1	-4	-5	-5	-4	-3	-2	-1	1	3	5	8	10	11	12	12	12	11	9	7	6	6	5	5	5	4.1	12.2	
24-Mar-07	5	4	3	1	-2	-3	-1	-1	3	5	5	6	7	8	8	7	6	6	4	2	1	1	0	0	0	3.2	7.6	
25-Mar-07	0	-1	0	0	-2	-3	-1	-1	2	4	5	6	6	6	7	7	7	7	6	5	4	3	2	0	0	2.8	6.9	
26-Mar-07	-2	-4	-5	-5	-6	-7	-8	-6	-1	2	5	7	7	9	9	9	9	8	6	2	-1	-3	-4	-4	-4	0.6	9.0	
27-Mar-07	-5	-5	-6	-7	-8	-8	-9	-7	-1	1	4	4	5	6	6	6	5	4	4	1	-3	-4	-5	-6	-6	-1.1	5.9	
28-Mar-07	-7	-8	-9	-10	-11	-11	-12	-10	-6	-3	1	2	6	8	9	10	10	10	8	4	0	-2	-3	-3	-3	-1.2	10.0	
29-Mar-07	-3	-1	1	1	0	-2	-2	-2	0	5	8	10	12	11	12	11	9	10	8	6	3	0	0	0	0	4.0	12.1	
30-Mar-07	-1	-1	-1	-1	-1	-1	-2	-1	3	4	5	6	7	8	7	6	8	6	4	2	2	1	1	0	0	2.5	7.6	
31-Mar-07	-1	-2	-3	-4	-5	-5	-7	-6	-4	-3	-2	-1	0	0	0	0	0	-1	-2	-3	-4	-6	-7	-8	-8	-3.0	0.3	
Hourly Avg	-7.2	-7.7	-8.0	-8.6	-9.2	-9.5	-9.7	-9.4	-7.4	-5.3	-3.5	-2.2	-1.2	-0.6	-0.3	-0.2	-0.3	-0.9	-2.3	-3.9	-4.8	-5.3	-5.9	-6.5	-6.5			
Hourly Max	5.4	4.2	3.7	4.3	4.0	3.3	2.9	2.7	3.7	4.9	8.0	10.2	12.1	11.4	12.0	12.2	11.7	11.0	9.0	6.8	6.1	6.5	5.5	5.3	5.3			

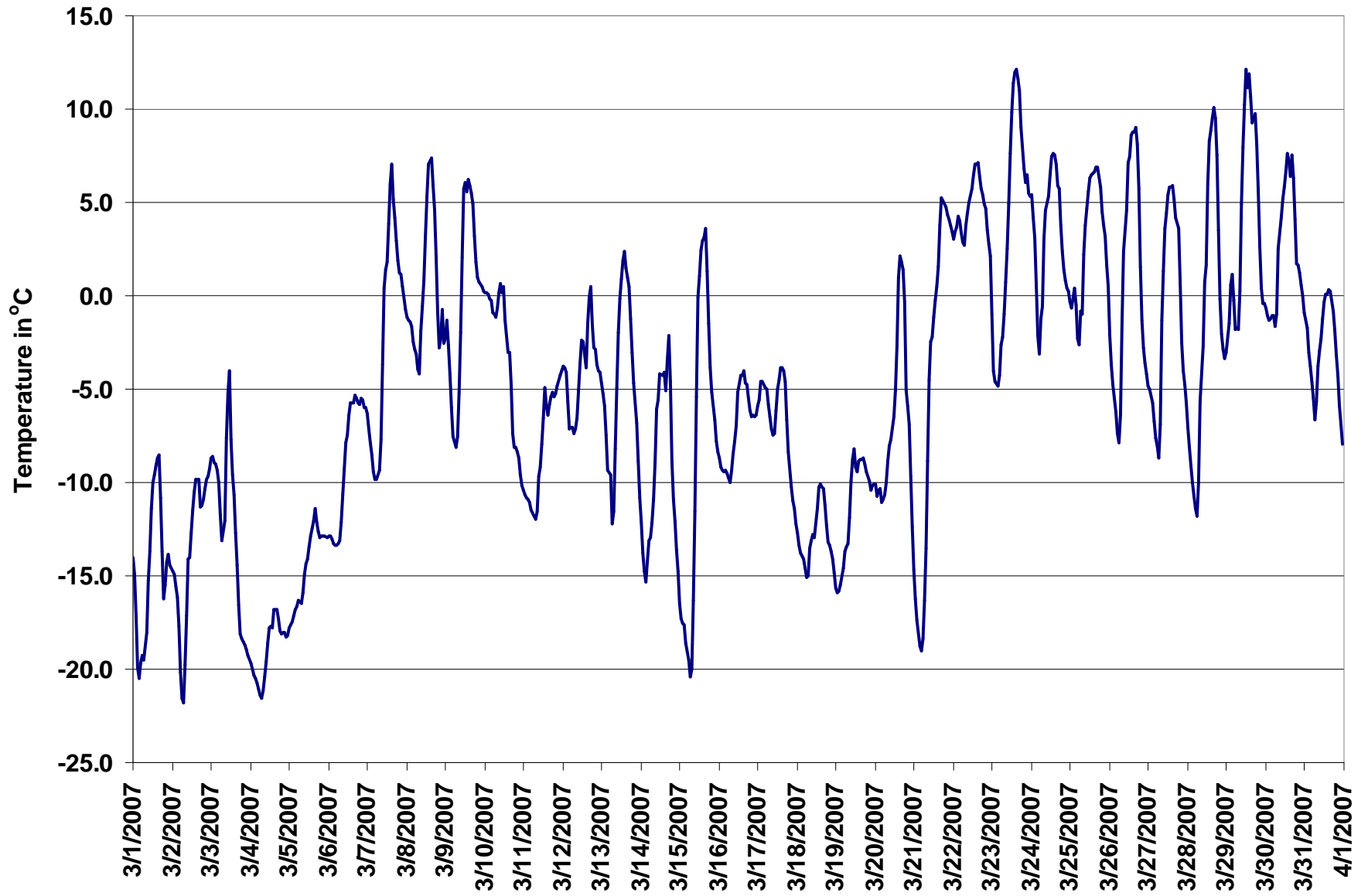


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

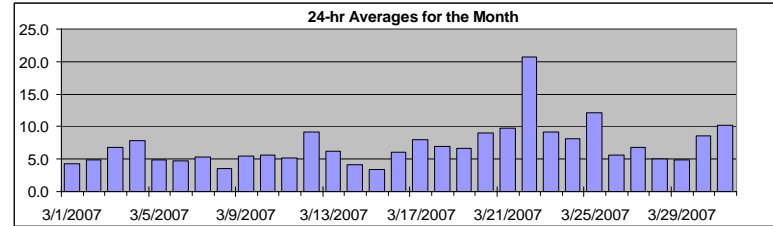
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	29.7	km/hr	22-Mar	9:00 10:00
Maximum 24-hr Value:	20.7	km/hr	22-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	742 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%				
Percentile	99	95	75	50	25	5	1	AverageS
	24.4	17.5	8.7	5.8	3.7	2.4	1.3	7.1 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Scalar Average	Daily Max	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00			23:00 0:00
1-Mar-07	3	3	2	3	3	2	3	3	3	3	3	5	5	7	7	6	5	5	4	6	4	4	4	4	4	4.3	7.5
2-Mar-07	5	4	6	5	3	2	2	3	6	6	5	7	6	7	7	6	5	5	4	6	4	4	4	4	4	4.9	6.9
3-Mar-07	5	4	6	4	3	3	3	4	3	4	7	8	12	11	12	10	12	11	9	7	7	7	6	6	6	6.8	12.3
4-Mar-07	8	7	8	7	7	5	7	7	7	7	9	9	9	10	10	8	9	9	9	8	8	9	6	6	6	7.8	10.0
5-Mar-07	5	4	3	3	3	3	3	3	3	3	5	6	6	7	7	5	6	5	4	5	7	6	6	6	6	4.9	6.8
6-Mar-07	4	5	5	4	5	5	4	4	4	5	6	5	6	7	6	7	5	5	4	3	3	3	3	3	3	4.7	7.0
7-Mar-07	3	4	3	2	3	3	3	4	5	5	5	8	8	5	6	7	9	12	11	5	4	6	4	3	5.4	11.7	
8-Mar-07	2	N	N	1	1	1	1	1	1	1	1	4	7	7	5	6	4	4	4	3	3	7	7	6	6	3.5	7.4
9-Mar-07	6	5	4	5	4	4	3	4	4	5	3	4	6	11	9	6	5	7	9	7	5	5	4	6	6	5.5	10.7
10-Mar-07	4	3	3	3	3	3	3	3	3	4	5	5	6	6	7	7	11	11	9	9	6	7	9	8	8	5.7	10.8
11-Mar-07	6	5	5	4	4	6	6	5	6	5	7	8	7	6	5	6	4	3	3	5	5	5	4	4	4	5.2	7.7
12-Mar-07	3	5	5	9	9	6	8	8	7	6	5	6	7	8	11	12	12	11	11	12	14	12	14	17	17	9.2	16.9
13-Mar-07	16	13	8	4	3	4	4	4	5	9	15	11	5	4	5	5	4	5	5	6	3	3	2	3	3	6.1	16.1
14-Mar-07	2	3	3	3	3	4	4	4	4	3	4	5	6	7	8	7	5	5	4	3	3	5	3	3	3	4.2	8.2
15-Mar-07	2	2	2	2	2	3	2	2	2	2	3	3	6	5	6	7	6	4	3	3	3	3	2	3	3	3.4	6.8
16-Mar-07	3	3	3	4	6	5	6	7	5	6	6	10	8	9	10	8	8	7	7	6	4	5	5	4	4	6.0	9.9
17-Mar-07	2	3	4	5	6	7	9	9	10	9	9	7	6	8	8	8	11	7	10	13	11	12	8	9	9	8.0	13.4
18-Mar-07	7	6	6	5	6	6	4	2	3	6	8	9	6	7	8	7	9	9	9	9	9	9	6	7	7	6.9	9.4
19-Mar-07	9	6	7	6	4	4	4	6	6	8	9	6	8	9	11	10	5	6	6	9	6	5	4	4	4	6.6	10.9
20-Mar-07	3	4	4	4	3	3	3	4	9	6	10	8	9	9	13	23	25	22	17	16	9	7	4	3	3	9.1	24.8
21-Mar-07	2	2	2	2	4	6	3	4	5	7	5	7	7	7	6	7	12	20	14	15	24	29	24	21	21	9.7	29.0
22-Mar-07	16	22	24	25	23	24	24	23	26	30	26	26	24	22	23	21	20	17	22	16	14	10	9	10	10	20.7	29.7
23-Mar-07	5	3	3	4	5	5	5	4	6	6	7	8	9	11	10	12	20	20	11	9	10	16	15	16	16	9.1	19.7
24-Mar-07	16	10	10	5	3	5	8	12	11	12	13	9	6	7	8	5	10	5	7	9	6	4	8	4	4	8.1	16.0
25-Mar-07	3	6	9	6	3	5	8	3	5	10	19	23	21	23	23	20	18	17	15	14	14	11	8	7	7	12.1	23.1
26-Mar-07	3	3	3	3	4	3	3	3	5	7	8	9	12	11	10	13	10	6	3	2	3	3	3	2	2	5.6	12.6
27-Mar-07	3	2	3	3	2	2	2	4	6	10	13	12	11	15	15	15	14	11	7	3	3	3	3	2	2	6.8	15.0
28-Mar-07	2	2	2	2	2	3	2	3	3	4	4	7	9	12	9	10	10	10	7	3	3	2	5	3	3	5.0	11.5
29-Mar-07	4	6	6	6	4	4	5	3	4	4	5	4	6	6	9	8	7	6	4	3	2	3	4	4	4	4.9	9.0
30-Mar-07	4	3	2	3	3	3	3	3	3	4	6	8	7	7	7	11	10	17	20	22	18	16	15	13	13	8.6	22.4
31-Mar-07	12	9	8	6	5	5	5	5	6	9	11	13	13	14	15	14	12	10	9	9	11	18	14	13	13	10.2	17.6
1-hr Average	5.5	5.3	5.3	4.8	4.6	4.6	4.8	5.0	5.7	6.7	8.0	8.4	8.7	9.1	9.4	9.7	9.8	9.4	8.4	7.9	7.2	7.7	7.0	6.6	6.6		
Hourly Max	16.3	21.9	23.5	24.8	23.1	23.7	24.0	23.5	26.0	29.7	26.1	26.1	24.3	22.7	22.8	22.6	24.8	21.5	21.8	22.4	23.8	29.0	24.5	20.8	20.8		

PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

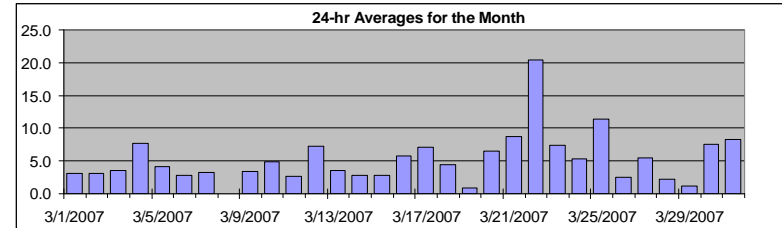
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	29.5	km/hr	22-Mar	9:00 10:00
Maximum 24-hr Value:	20.4	km/hr	22-Mar	



Calm Time:	15 hrs	2% calms	Operational Time:	727 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%				
Percentile	99	95	75	50	25	5	1	AverageV
	24.3	17.3	8.4	5.5	2.9	1.3	0.9	5.2 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
1-Mar-07	3	2	calm	3	3	2	2	2	2	2	5	5	4	6	6	6	7	6	5	2	2	3	6	6	7	3.1	7.0
2-Mar-07	5	4	6	5	2	1	1	2	3	6	6	5	7	6	6	6	6	4	5	4	6	2	4	3	1	3.1	6.6
3-Mar-07	3	4	5	2	2	1	1	1	1	2	6	7	12	10	11	10	12	11	9	6	7	7	6	6	6	3.6	11.9
4-Mar-07	8	6	7	6	7	5	6	7	6	6	9	9	9	10	10	8	9	8	8	7	8	8	6	6	6	7.7	9.8
5-Mar-07	5	4	3	3	2	3	3	2	1	4	5	6	6	6	6	5	5	4	4	5	7	6	6	5	5	4.1	6.6
6-Mar-07	4	5	5	4	5	4	4	4	3	4	5	1	6	6	6	6	5	4	3	3	2	3	3	3	3	2.8	6.3
7-Mar-07	3	4	3	1	calm	1	2	3	4	5	4	8	8	5	4	6	7	11	10	2	4	6	3	1	1	3.2	11.0
8-Mar-07	1	N	N	calm	1	1	1	calm	calm	1	calm	4	6	6	3	4	3	4	4	calm	3	7	7	6	N	6.7	
9-Mar-07	6	5	3	4	4	3	3	3	3	4	2	2	6	10	9	6	5	7	8	7	5	4	4	5	5	3.4	10.4
10-Mar-07	4	3	2	1	2	3	1	2	2	4	5	4	6	6	6	7	11	10	8	9	6	6	9	8	8	4.9	10.6
11-Mar-07	6	5	4	3	4	5	5	5	6	4	7	7	7	6	5	5	4	3	2	5	5	4	4	4	4	2.6	7.5
12-Mar-07	2	5	5	9	9	5	7	8	6	6	5	5	6	8	11	12	11	11	11	12	14	12	14	17	17	7.2	16.9
13-Mar-07	16	13	6	4	2	4	2	4	3	9	14	10	4	3	4	4	2	4	5	6	3	2	1	2	2	3.5	16.1
14-Mar-07	2	2	3	3	2	2	3	2	4	3	3	5	5	6	8	7	4	3	3	2	1	2	2	2	2	2.8	7.8
15-Mar-07	2	2	2	2	2	2	2	2	2	2	3	3	6	3	4	4	5	4	1	2	1	2	2	2	2	2.7	5.6
16-Mar-07	2	2	3	4	5	5	6	6	5	6	6	10	7	9	10	8	8	7	7	5	4	4	5	1	1	5.7	9.7
17-Mar-07	calm	3	3	5	6	7	8	8	9	8	9	6	5	7	7	8	10	6	9	13	10	12	8	9	9	7.1	12.5
18-Mar-07	7	6	6	5	5	6	4	2	2	5	8	8	6	6	7	7	8	9	9	9	9	9	6	7	7	4.5	9.2
19-Mar-07	8	6	6	6	4	4	4	6	6	7	9	5	8	9	11	10	4	5	6	8	3	3	2	1	1	0.8	10.7
20-Mar-07	2	2	2	3	3	2	1	3	8	6	10	7	9	8	11	22	25	21	16	16	8	7	2	calm	2	6.4	24.6
21-Mar-07	1	1	1	2	3	6	2	3	5	7	4	6	7	7	6	6	11	20	13	15	24	29	24	21	21	8.8	28.8
22-Mar-07	16	22	23	25	23	24	24	23	26	30	26	26	24	22	23	21	20	17	22	16	14	9	9	10	10	20.4	29.5
23-Mar-07	3	2	2	3	5	5	4	3	6	6	7	8	9	10	10	11	19	20	10	9	10	16	15	16	16	7.4	19.6
24-Mar-07	16	10	10	3	1	4	7	12	11	12	13	8	5	6	8	3	8	5	6	8	6	4	8	3	3	5.4	15.9
25-Mar-07	2	6	8	6	2	4	7	1	5	9	19	23	21	23	22	20	18	17	15	14	13	11	8	7	7	11.4	22.9
26-Mar-07	3	1	1	1	3	2	calm	3	4	7	8	9	11	11	9	11	10	6	3	1	calm	2	1	1	1	2.6	11.3
27-Mar-07	2	1	2	1	2	1	1	3	6	10	13	11	9	13	15	14	14	9	7	2	3	2	2	1	1	5.4	14.5
28-Mar-07	calm	2	2	2	1	1	1	2	2	3	4	6	6	11	6	10	10	9	6	3	calm	calm	4	2	2	2.2	10.8
29-Mar-07	4	6	6	5	3	3	4	2	4	3	5	3	4	4	9	8	6	6	3	2	1	1	calm	1	1	1.2	8.8
30-Mar-07	2	2	2	2	1	2	1	2	2	2	4	5	8	6	6	11	10	17	20	22	17	16	15	13	13	7.5	21.9
31-Mar-07	12	9	8	6	4	4	4	5	5	8	11	13	13	14	15	14	11	10	9	9	10	17	14	13	13	8.3	17.3
1-hr Vector	1.5	1.4	1.4	1.2	1.2	1.2	1.3	1.5	1.9	2.5	3.1	3.7	2.8	3.4	3.6	3.5	3.6	3.4	3.0	3.3	2.9	3.0	2.6	1.9	1.9		
Hourly Max	16.2	21.8	23.4	24.7	22.9	23.6	23.9	23.4	25.8	29.5	25.9	25.9	24.0	22.5	22.6	22.5	24.6	21.3	21.7	21.9	23.7	28.8	24.4	20.7	20.7		

PASZA - Evergreen Park - Wind Direction Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	742 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%				
Percentile	99	95	75	50	25	5	1	Average
	358.4	343.0	288.6	234.2	71.6	21.8	4.1	298 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-Mar-07	319	292	291	255	250	282	324	283	311	285	261	309	338	346	359	37	33	43	39	344	269	331	325	318	329	NNW	
2-Mar-07	303	302	330	347	334	341	327	51	74	63	52	353	359	0	17	10	1	303	276	277	323	220	203	307	344	NNW	
3-Mar-07	276	251	263	252	212	204	244	194	316	310	358	18	62	65	71	78	77	72	67	55	43	52	46	55	53	NE	
4-Mar-07	56	55	55	67	65	73	63	73	75	66	59	56	52	52	53	53	53	53	56	58	59	58	50	47	58	ENE	
5-Mar-07	36	48	61	62	47	45	79	195	360	55	50	357	360	5	5	32	355	19	50	45	66	55	67	78	37	NE	
6-Mar-07	78	76	72	76	79	83	79	69	75	118	162	23	356	359	25	8	10	13	343	335	288	275	304	310	37	NE	
7-Mar-07	269	253	278	238	42	291	292	286	288	309	294	269	270	258	20	67	335	328	336	359	216	201	232	53	301	WNW	
8-Mar-07	186	N	N	271	291	295	277	302	235	213	272	200	185	169	222	209	22	55	73	290	219	192	188	168	195	SSW	
9-Mar-07	170	162	119	68	54	34	263	310	346	345	332	244	17	33	27	22	18	355	20	44	63	69	75	65	32	NNE	
10-Mar-07	108	118	148	219	155	176	129	41	51	51	62	69	61	71	75	65	74	73	66	64	69	57	45	55	72	ENE	
11-Mar-07	58	57	107	127	115	80	101	106	99	77	51	51	43	43	19	358	29	346	338	286	313	246	218	206	58	ENE	
12-Mar-07	88	38	38	346	323	297	304	310	280	273	257	250	243	304	267	254	258	268	255	241	241	242	240	251	268	W	
13-Mar-07	252	249	257	285	321	259	245	259	289	239	253	264	9	353	30	57	132	132	162	196	196	246	314	10	256	WSW	
14-Mar-07	267	331	320	296	292	340	27	219	276	264	43	7	10	339	346	345	5	63	80	60	11	318	301	293	343	NNW	
15-Mar-07	259	299	328	308	281	337	308	309	285	305	263	332	274	326	331	305	296	243	268	332	55	15	5	6	308	NW	
16-Mar-07	19	3	58	58	71	69	73	78	77	71	56	74	73	47	53	58	65	72	73	83	57	81	63	133	66	ENE	
17-Mar-07	312	94	265	289	278	312	302	285	309	327	329	307	322	351	353	341	349	359	2	340	323	319	308	321	324	NW	
18-Mar-07	303	298	311	304	317	324	313	303	10	3	340	346	354	319	9	19	50	71	64	72	74	77	74	68	13	NNE	
19-Mar-07	71	65	72	71	82	76	58	64	70	89	103	140	274	281	279	277	334	280	273	284	209	276	267	90	359	N	
20-Mar-07	45	27	66	73	60	56	263	286	285	280	271	248	214	235	279	271	268	269	288	336	311	327	326	103	284	WNW	
21-Mar-07	251	249	333	302	267	219	170	186	182	187	194	184	185	200	207	202	243	249	232	240	243	245	246	247	233	SW	
22-Mar-07	246	249	256	265	269	266	262	261	266	268	269	270	279	279	278	282	281	277	271	268	260	250	246	242	267	W	
23-Mar-07	190	95	159	176	173	180	170	150	170	165	152	170	172	169	171	213	241	241	253	259	241	237	225	228	209	SSW	
24-Mar-07	240	230	228	162	192	220	230	218	241	263	267	275	276	17	51	23	217	331	307	293	317	296	272	277	259	W	
25-Mar-07	219	220	220	235	293	261	234	221	222	257	268	268	273	266	274	272	270	262	243	242	241	218	218	218	257	WSW	
26-Mar-07	185	95	150	133	55	85	134	59	72	203	210	214	210	201	176	209	284	342	4	243	186	45	148	317	196	SSW	
27-Mar-07	198	297	338	4	281	321	269	264	258	271	284	308	310	304	289	309	291	324	61	42	205	222	234	347	297	WNW	
28-Mar-07	45	315	244	235	278	22	4	322	317	291	336	356	169	174	151	166	155	153	202	228	225	115	191	177	181	S	
29-Mar-07	161	187	174	176	104	92	91	154	63	207	179	222	182	338	43	40	47	53	24	352	329	279	29	272	94	E	
30-Mar-07	44	326	324	322	275	318	327	263	296	299	309	272	331	10	360	343	321	294	287	281	278	275	275	266	296	WNW	
31-Mar-07	270	274	258	274	281	285	324	332	313	339	336	337	335	336	341	345	37	33	34	27	342	342	349	348	337	NNW	
Hourly Avg	255	268	266	286	309	303	285	269	293	282	291	294	301	322	338	322	316	315	316	306	278	279	269	280			

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

Station: Evergreen Park
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	742 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	99.7%			
Percentile	99	95	75	50	25	5	1
	66.5	52.3	28.7	18.5	12.7	5.9	4.7

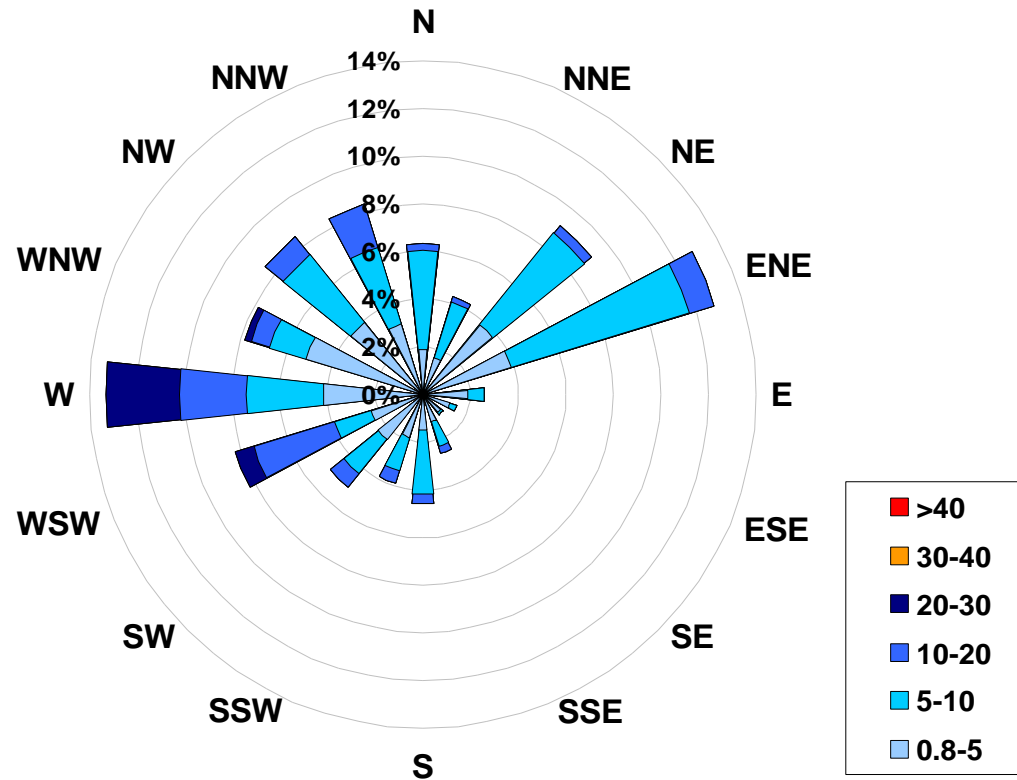
Status Flag Characters

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

Day Mountain Standard Time

Hour Start	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	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-Mar-07	18	17	49	21	20	16	29	27	17	15	11	24	37	24	24	20	21	12	33	24	21	13	13	12		48.8	
2-Mar-07	15	20	10	12	56	33	35	9	8	11	24	13	18	19	21	22	21	18	16	11	53	45	31	27		56.0	
3-Mar-07	42	17	31	48	53	72	71	62	29	38	21	21	10	17	17	18	14	13	13	14	14	14	14	16		72.2	
4-Mar-07	13	16	13	21	16	19	17	15	21	18	15	18	15	12	12	17	12	13	12	11	12	10	10	15		20.9	
5-Mar-07	15	20	33	33	46	29	43	28	25	42	21	19	22	19	16	27	25	23	14	12	12	14	16	22		46.4	
6-Mar-07	24	18	17	14	13	22	25	25	57	32	21	44	16	17	24	31	21	24	28	27	45	11	21	22		56.5	
7-Mar-07	18	17	22	65	63	45	39	19	26	23	29	13	12	18	32	21	28	21	10	39	32	11	24	67		67.1	
8-Mar-07	51	N	N	52	15	15	21	36	24	11	23	36	26	25	52	40	43	23	18	56	18	5	5	7		56.3	
9-Mar-07	6	18	33	37	21	24	25	27	41	67	54	26	25	12	14	21	30	15	14	18	12	25	18	15		67.2	
10-Mar-07	24	30	44	68	60	21	33	24	30	19	20	21	16	21	16	13	11	15	16	13	21	16	12	13		68.2	
11-Mar-07	20	14	27	42	34	20	28	27	22	35	20	14	18	20	20	20	37	35	28	20	17	20	18	17		42.4	
12-Mar-07	43	17	23	18	17	18	19	17	13	11	11	18	25	21	7	6	5	7	4	5	4	5	4	5		42.7	
13-Mar-07	3	3	22	17	27	21	41	9	24	6	6	19	39	39	29	25	44	31	15	14	42	37	36	25		43.7	
14-Mar-07	34	17	16	27	28	38	37	36	25	29	57	21	23	19	19	11	27	29	21	31	47	78	44	25		77.9	
15-Mar-07	35	27	20	22	18	33	28	29	22	42	15	24	13	29	23	20	30	23	37	43	50	30	35	40		49.6	
16-Mar-07	23	31	22	14	13	15	14	17	20	18	18	13	19	13	13	15	12	16	17	17	17	17	23	18	31		30.9
17-Mar-07	53	27	32	18	14	14	14	13	16	18	15	27	25	23	25	17	17	34	19	15	13	12	18	15		53.2	
18-Mar-07	15	13	11	16	13	11	11	26	44	32	14	19	34	27	23	18	15	14	11	11	15	12	15	17		44.2	
19-Mar-07	10	13	17	16	27	20	14	11	15	20	16	26	11	9	10	7	28	20	12	14	34	55	49	64		63.9	
20-Mar-07	34	43	61	37	35	17	64	42	24	15	8	16	8	11	19	7	6	7	13	8	16	17	12	48		63.6	
21-Mar-07	47	48	45	31	32	8	44	29	14	12	33	15	12	12	7	13	19	5	9	7	6	5	5	5		48.0	
22-Mar-07	5	5	6	6	8	6	5	6	6	6	7	7	9	9	7	6	7	7	6	6	6	10	6	5		9.8	
23-Mar-07	21	43	46	26	15	11	18	35	19	16	18	14	11	14	13	13	7	6	12	13	13	6	5	5		45.9	
24-Mar-07	7	6	6	24	56	21	11	3	8	9	9	21	17	21	17	48	39	26	18	13	16	26	10	25		56.3	
25-Mar-07	42	13	7	8	18	22	18	37	11	11	7	7	8	7	7	6	6	6	5	6	5	7	9	7		42.4	
26-Mar-07	42	48	44	64	40	39	46	33	21	12	8	12	19	16	18	17	14	16	23	41	55	36	48	41		64.3	
27-Mar-07	38	53	28	69	30	32	38	24	12	8	13	19	22	19	13	14	11	15	14	18	32	52	32	46		68.5	
28-Mar-07	29	30	12	20	39	52	34	35	47	17	41	15	35	25	55	25	17	17	16	15	61	52	22	42		61.0	
29-Mar-07	17	7	9	12	33	27	25	63	15	44	21	32	29	33	15	12	21	23	27	51	37	57	78	57		77.8	
30-Mar-07	59	25	24	44	66	46	54	41	37	19	21	15	22	22	19	11	22	11	9	10	7	7	7	7		65.7	
31-Mar-07	6	8	6	7	10	11	15	12	23	20	15	13	15	19	13	17	17	12	10	11	14	9	11	14		22.8	
Hourly Max	59	53	61	69	66	72	71	63	57	67	57	44	39	39	55	48	44	35	37	56	61	78	78	67			

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



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	303
5	to	10	305
10	to	20	103
20	to	30	31
30	to	40	0
	>	40	0
Total Non-Zero Values			742

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)

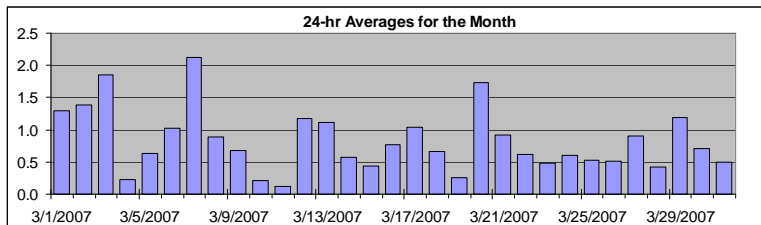
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	8.5	ppb	21-Mar	23:00 0:00
Maximum 24-hr Average:	2.1	ppb	7-Mar	

AIC Time:	32 hrs	Operational Time:	709 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	6.0	3.0	1.0	0.5	0.2	0.1	0.0	0.8 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-Mar-07	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	2	1	1	1	A	1	1.3	2.0
2-Mar-07	1	1	1	1	1	1	1	1	0	0	0	1	1	2	3	2	2	2	2	2	2	A	2	3	1.4	3.0
3-Mar-07	3	3	2	4	6	4	4	2	1	1	1	1	1	0	0	0	1	1	2	A	1	0	0	1.9	6.0	
4-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.2	0.5	
5-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	A	1	1	1	1	0.6	1.3	
6-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	A	1	1	1	1	1	2	1.0	2.1
7-Mar-07	5	6	4	3	4	5	2	2	2	2	1	1	1	2	3	2	A	2	1	0	0	0	0	2.1	6.2	
8-Mar-07	1	6	1	0	3	1	1	1	1	0	1	1	1	0	0	A	0	0	0	0	0	0	0	0.9	5.7	
9-Mar-07	0	0	0	0	0	0	0	0	0	1	2	C	C	A	6	3	0	0	0	0	0	0	0	0.7	6.3	
10-Mar-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	
11-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
12-Mar-07	0	0	0	A	0	1	1	1	1	1	1	1	1	1	4	6	1	1	1	1	5	0	0	1.2	5.9	
13-Mar-07	0	0	A	0	1	0	0	0	0	5	2	1	1	1	0	1	5	3	4	0	0	0	0	1.1	4.5	
14-Mar-07	1	A	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0.6	1.3	
15-Mar-07	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	A	0.4	1.1
16-Mar-07	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	A	1	0.8	1.9
17-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	A	0	1	1.0	2.2
18-Mar-07	1	1	1	1	1	1	2	1	0	0	0	0	1	1	1	0	0	0	0	0	A	0	0	1	0.7	2.3
19-Mar-07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0.3	0.8	
20-Mar-07	0	0	0	0	0	0	0	0	0	0	8	4	2	4	5	8	2	2	A	1	0	0	0	1.7	7.5	
21-Mar-07	0	1	1	2	1	1	1	1	1	1	0	1	1	0	0	1	0	A	0	0	0	0	0	8	0.9	8.5
22-Mar-07	3	0	0	0	0	0	0	0	0	0	0	0	1	3	1	1	A	2	0	0	0	0	0	0.6	3.5	
23-Mar-07	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	3	2	0	0	0	0.5	3.1	
24-Mar-07	0	0	0	0	0	0	0	0	2	6	2	1	0	0	A	0	0	0	0	0	0	0	0	0.6	5.7	
25-Mar-07	1	1	0	4	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	2	0.5	3.7
26-Mar-07	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	2	2	1	1	0.5	2.4
27-Mar-07	0	0	0	0	0	0	0	1	2	1	7	A	3	1	1	1	0	0	1	1	0	0	0	0.9	6.9	
28-Mar-07	0	1	0	1	1	0	0	0	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.8
29-Mar-07	1	1	1	2	4	6	3	2	1	A	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1.2	6.0
30-Mar-07	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0.7	1.5
31-Mar-07	1	1	1	0	1	1	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.5	1.0
Hourly Avg	0.9	0.9	0.6	0.8	1.0	0.9	0.7	0.7	0.7	0.9	1.1	0.7	0.8	0.9	1.2	1.2	0.8	0.8	0.8	0.7	0.7	0.5	0.4	0.9		
Hourly Max	5.3	6.2	4.1	4.2	6.0	6.0	3.9	2.5	2.4	5.7	7.5	4.4	3.5	3.9	6.3	7.5	4.5	3.4	4.1	2.2	4.7	2.4	2.3	8.5		

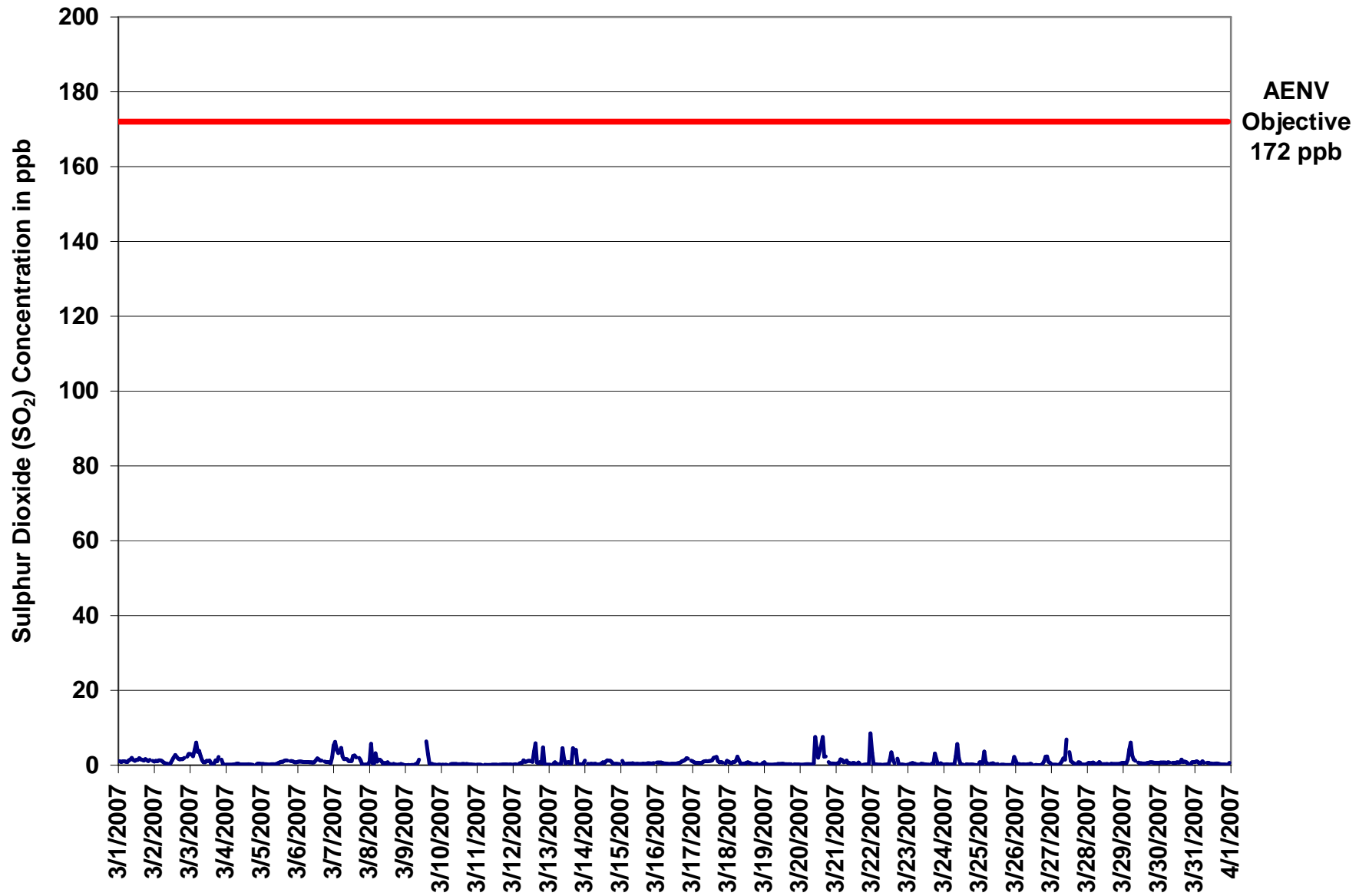


Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

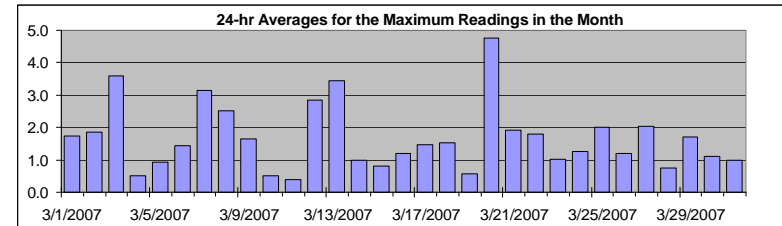
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

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

Summary

Maximum 1-hr Value:	21.7	ppb	20-Mar	14:00 15:00
Maximum 24-hr Value:	4.8	ppb	20-Mar	



AIC Time:	32 hrs	Operational Time:	709 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	17.7	5.6	1.5	0.8	0.5	0.3	0.3	1.7 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-Mar-07	2	2	1	1	1	1	1	2	2	2	2	1	2	2	3	2	2	2	2	2	2	2	A	1	1.8	2.6
2-Mar-07	1	1	1	2	1	2	1	1	1	1	1	1	2	3	3	3	2	2	2	2	3	A	3	4	1.9	3.6
3-Mar-07	4	5	3	16	17	4	5	3	3	1	2	2	2	2	1	1	1	2	2	4	A	2	1	0	3.6	17.5
4-Mar-07	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	A	0	1	1	1	0.5	0.7
5-Mar-07	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1	2	2	2	A	1	1	1	1	1	0.9	1.5
6-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	A	1	1	1	1	1	1	1	1.4	4.5
7-Mar-07	7	9	5	4	5	6	3	2	3	3	3	2	2	4	3	2	A	3	3	0	0	1	0	0	3.1	9.1
8-Mar-07	7	13	1	1	11	4	3	4	3	1	1	1	2	0	1	A	1	1	0	0	0	1	0	0	2.5	13.4
9-Mar-07	0	0	0	0	0	0	0	2	1	3	C	C	C	A	12	9	1	1	1	1	0	0	0	0	1.7	12.0
10-Mar-07	0	0	0	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.5	0.6
11-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0.4	0.5
12-Mar-07	0	0	1	A	1	1	1	2	1	1	2	2	1	1	12	14	1	1	2	1	19	0	0	0	2.9	19.1
13-Mar-07	0	1	A	1	2	1	1	1	1	15	18	1	1	2	1	1	13	8	9	1	1	1	0	1	3.4	18.0
14-Mar-07	3	A	1	1	1	1	1	1	0	0	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1.0	2.6
15-Mar-07	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0.8	2.6
16-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	2	2	2	A	2	1.2	4.9
17-Mar-07	1	1	1	1	1	1	1	2	1	1	1	1	1	2	3	4	3	1	1	1	1	A	1	2	1.5	3.7
18-Mar-07	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	0	0	10	A	0	0	2	1.5	10.1
19-Mar-07	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	1	A	1	0	0	0	0.6	2.0
20-Mar-07	0	0	0	0	0	1	1	1	1	2	20	22	3	5	22	18	4	6	A	2	1	1	1	1	4.8	21.7
21-Mar-07	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	1	1	A	0	0	1	1	1	21	1.9	20.8
22-Mar-07	6	1	1	1	0	1	0	0	1	1	1	0	4	9	4	4	A	4	0	1	1	0	0	0	1.8	9.3
23-Mar-07	0	1	1	1	1	1	0	0	0	1	1	0	1	1	0	A	1	1	7	3	1	1	1	1	1.0	6.7
24-Mar-07	0	1	1	1	0	1	0	1	6	8	5	1	0	0	A	1	1	0	1	1	1	0	0	0	1.3	8.3
25-Mar-07	1	1	1	21	6	1	1	1	1	1	0	0	2	A	0	0	0	0	0	0	0	0	0	5	2.0	20.9
26-Mar-07	6	1	1	1	0	1	0	0	1	1	1	0	A	0	0	0	0	0	1	2	4	4	1	1	1.2	5.7
27-Mar-07	1	0	0	0	0	0	1	3	4	3	13	A	7	6	1	1	1	1	2	2	0	0	0	0	2.0	12.8
28-Mar-07	1	2	1	1	1	1	1	1	1	1	A	1	1	1	0	0	1	1	1	1	1	1	1	1	0.8	1.7
29-Mar-07	1	1	1	3	5	7	4	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.7	7.5
30-Mar-07	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	2	1	2	1	1	0	1	2	1	1.1	1.9
31-Mar-07	3	2	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1.0	3.2
Hourly Avg	1.8	1.7	1.0	2.2	2.2	1.5	1.3	1.3	1.3	1.8	2.7	1.6	1.5	1.7	2.7	2.6	1.5	1.6	1.5	1.5	1.5	0.9	0.8	1.9		
Hourly Max	7.2	13.4	5.3	20.9	17.5	7.5	5.1	4.5	5.5	14.7	19.9	21.6	7.3	9.3	21.7	17.7	13.2	8.3	8.6	10.1	19.1	4.2	3.3	20.8		

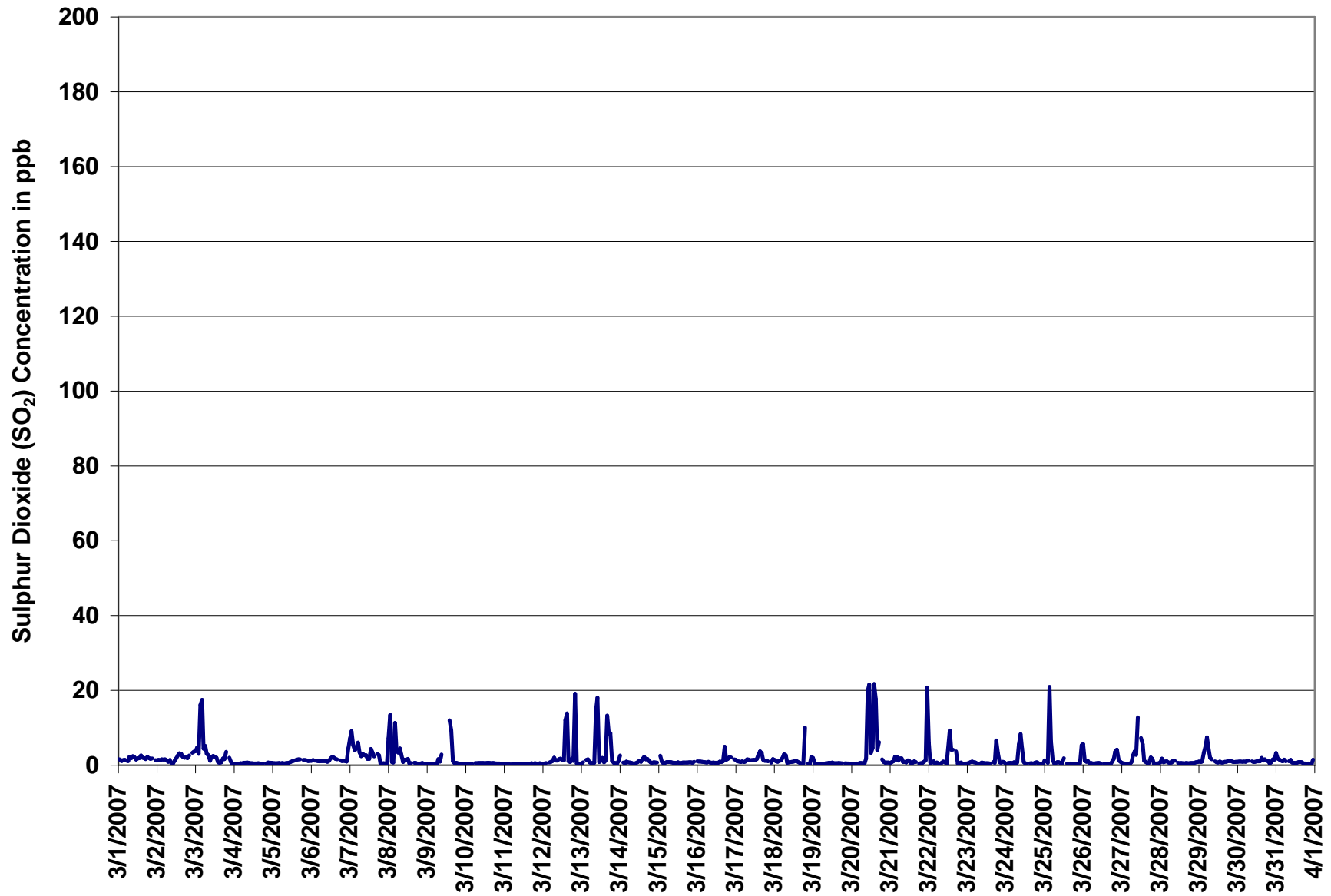
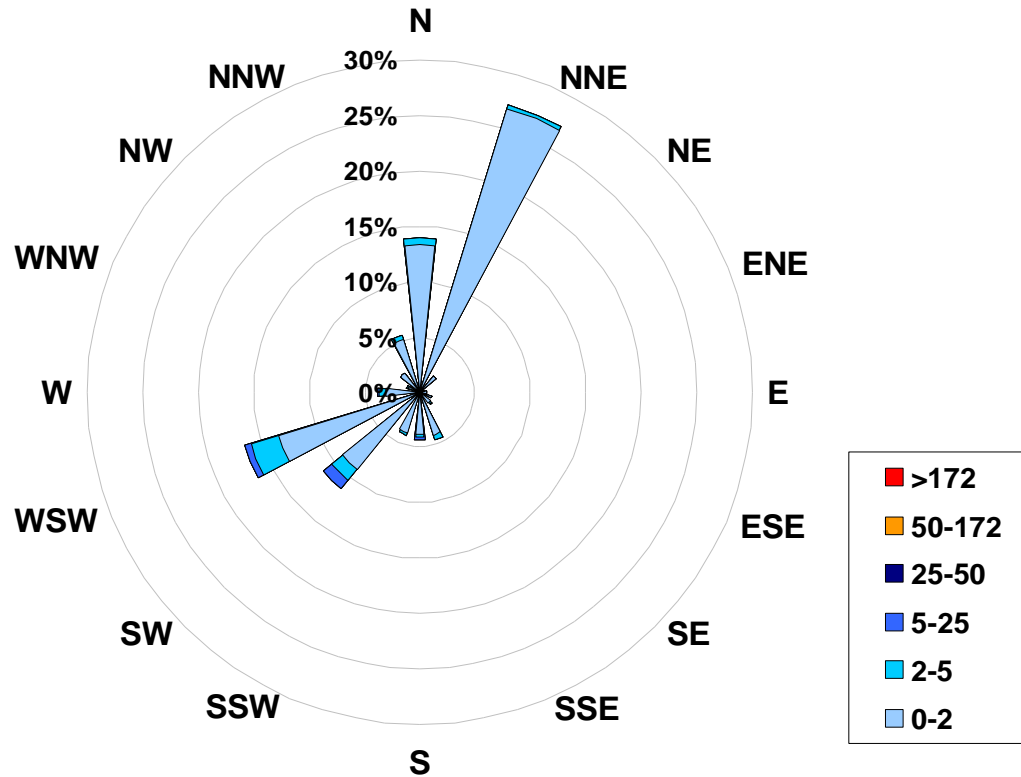


Figure 28. PASZA - Smoky Heights Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range			Frequency (hrs)
0.0	<	2	646
2	to	5	50
5	to	25	13
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			709

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

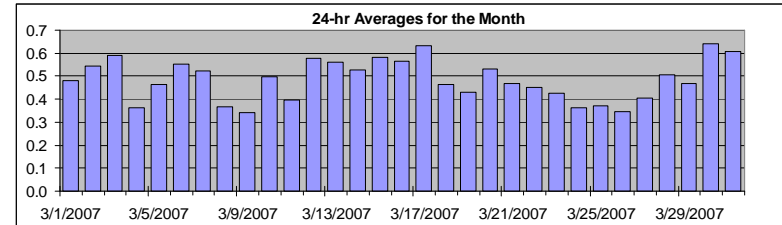
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

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

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

Maximum 1-hr Average:	1.0	ppb	21-Mar	4:00 5:00
Maximum 24-hr Value:	0.6	ppb	30-Mar	



AIC Time:	32 hrs	Operational Time:	709 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.5 ppb	0.5 ppb

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

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

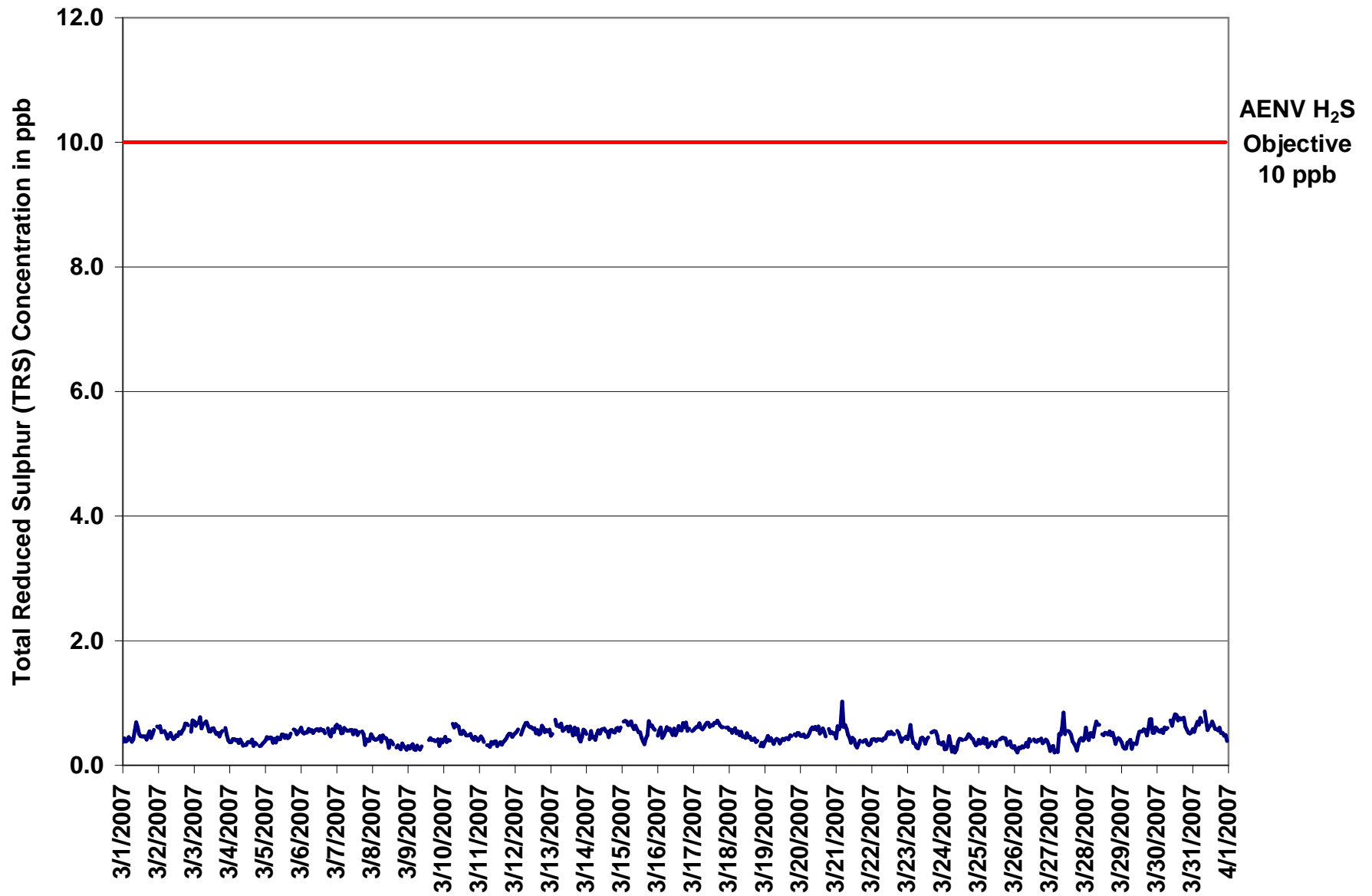


Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

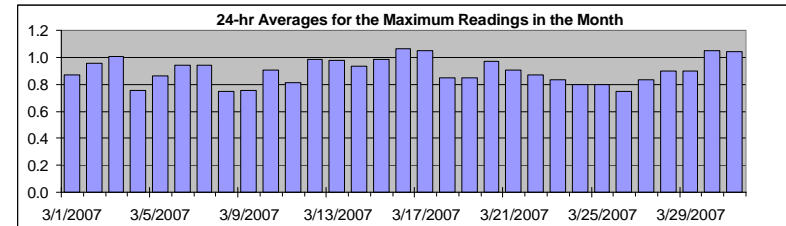
Total Reduced Sulphur (TRS)

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

Summary

Maximum 1-hr Value:	2.8	ppb	16-Mar	17:00 18:00
Maximum 24-hr Value:	1.1	ppb	16-Mar	

AIC Time:	32 hrs	Operational Time:	709 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.9 ppb	0.9 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
2-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.0	1.2
3-Mar-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	1.3
4-Mar-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
5-Mar-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	0.9	1.1
6-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.9	1.2
7-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.9	1.4
8-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.8	1.0
9-Mar-07	1	1	1	1	1	1	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	1	1	0.8	1.0
10-Mar-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2
11-Mar-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1
12-Mar-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	1.1
13-Mar-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	1.2
14-Mar-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
15-Mar-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	1.2
16-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	A	1	1.1	2.8
17-Mar-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	1.1	1.2
18-Mar-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	1.0
19-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	0.8	1.1
20-Mar-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	1.2
21-Mar-07	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.9	2.2
22-Mar-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
23-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.8	1.2
24-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.8	1.1
25-Mar-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
26-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.7	0.9
27-Mar-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	1.5
28-Mar-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
29-Mar-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	1.2
30-Mar-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	1.3
31-Mar-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	1.4
Hourly Avg	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9		
Hourly Max	1.2	1.1	1.2	1.3	2.2	1.1	1.3	1.2	1.4	1.5	1.4	1.1	1.3	1.2	1.2	1.2	1.2	2.8	1.2	1.2	1.2	1.1	1.2	1.1		

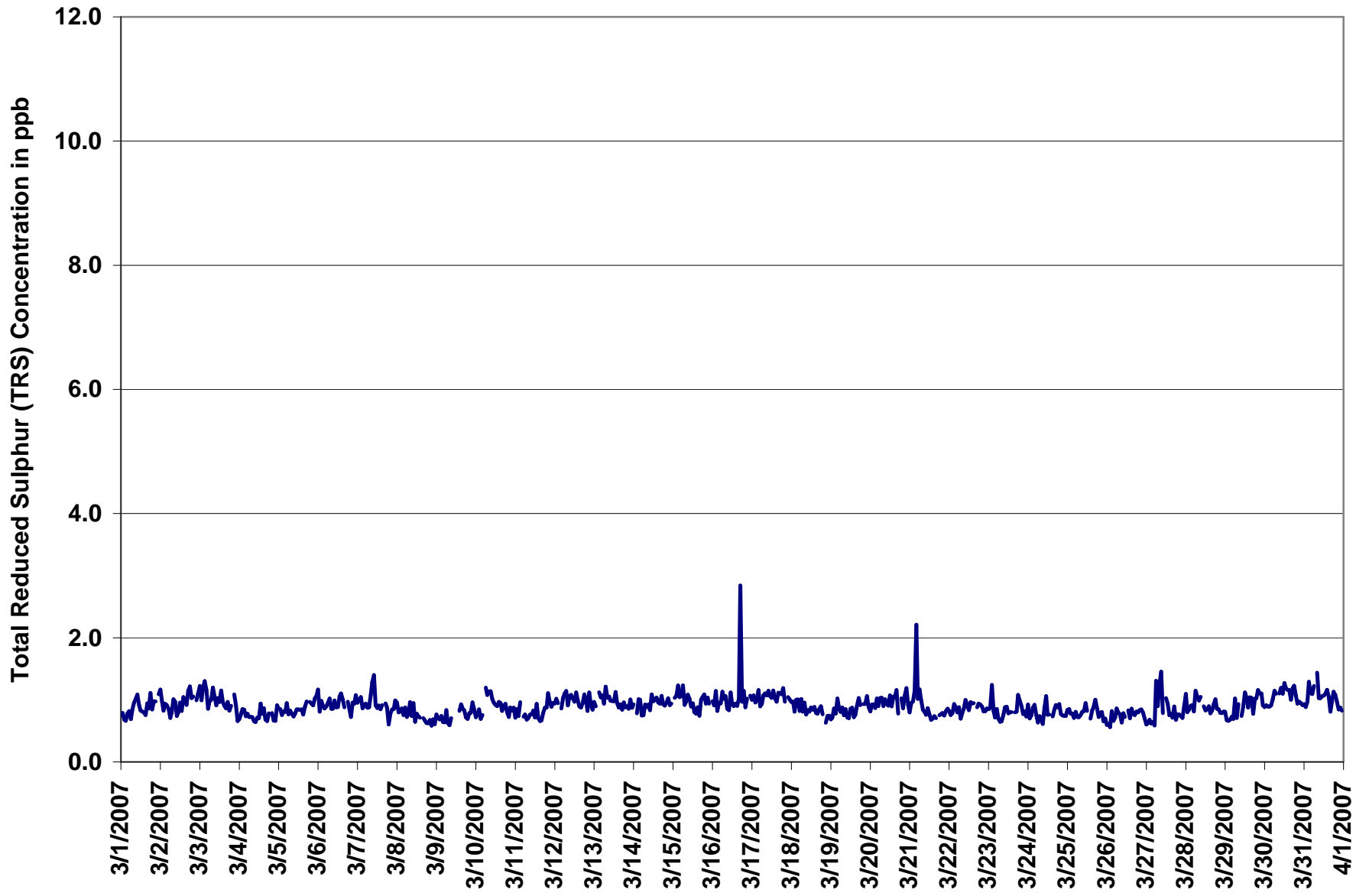
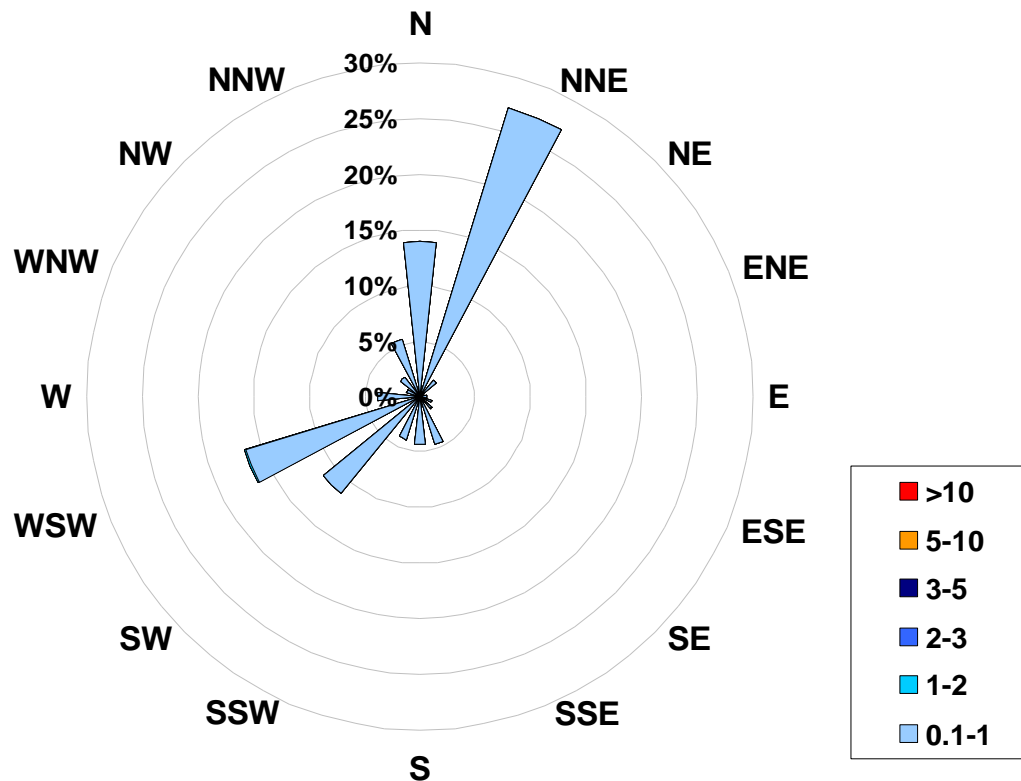


Figure 30. PASZA - Smoky Heights Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	708
1	to	2	1
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			709

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

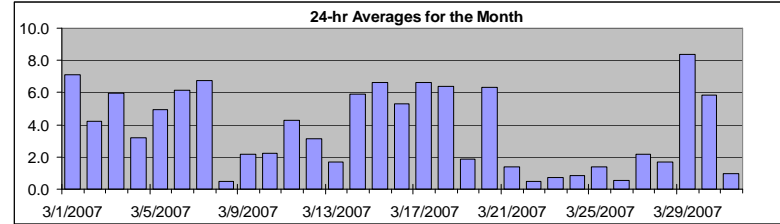
Particulate Matter (PM_{2.5})

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

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

Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	47.5 µg/m ³ 1-Mar 8:00 9:00
Maximum 24-hr Value:	8.4 µg/m ³ 29-Mar

AIC Time:	0 hrs	Operational Time:	742 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%
Percentile	99	95	75
	20.7	12.8	5.2
	50	25	0.6
	5	1	0.0
	Average / Median		3.7
	2 µg/m ³		2.7 µg/m ³



Status Flag Characters

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

Day	Mountain Standard Time																							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-Mar-07	1	2	3	3	2	4	2	9	47	25	2	0	1	2	10	2	5	21	17	2	2	2	2	4	7.1	47.5
2-Mar-07	2	4	2	1	1	3	3	1	2	2	3	2	2	4	5	5	6	3	20	9	6	7	4	6	4.2	19.8
3-Mar-07	7	5	7	9	9	9	6	7	3	1	3	10	13	12	6	4	4	4	4	4	3	5	3	6.0	13.1	
4-Mar-07	3	3	3	1	1	1	2	1	1	2	1	1	3	1	8	20	4	1	1	1	1	2	3	11	3.2	20.0
5-Mar-07	2	3	12	10	5	0	3	0	4	2	3	4	3	7	4	2	5	9	10	6	3	6	14	0	4.9	13.7
6-Mar-07	14	0	0	1	0	0	1	0	2	2	7	3	4	6	5	6	7	11	14	11	11	27	6	7	6.2	27.5
7-Mar-07	9	8	6	6	7	8	5	5	7	9	11	10	9	10	8	6	11	13	12	1	0	1	0	0	6.8	12.7
8-Mar-07	2	0	0	0	0	2	0	0	2	2	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0.5	2.3
9-Mar-07	0	0	1	0	0	0	1	1	2	5	0	5	4	C	C	0	9	4	2	7	0	1	7	0	2.2	8.9
10-Mar-07	0	0	0	0	0	0	1	1	1	3	5	2	1	1	4	5	0	1	1	3	4	7	7	7	2.3	7.3
11-Mar-07	2	4	4	3	4	2	2	2	2	3	14	11	2	5	0	2	2	4	3	18	9	2	2	2	4.2	17.6
12-Mar-07	3	5	6	5	2	3	3	6	5	5	4	3	5	5	4	4	2	1	0	1	0	1	0	0	3.1	5.9
13-Mar-07	0	0	0	0	0	0	0	1	3	3	1	0	2	2	0	1	20	6	0	0	0	0	0	0	1.7	20.0
14-Mar-07	0	1	3	4	6	2	1	18	15	5	8	6	7	4	5	5	19	15	5	1	3	3	2	3	5.9	18.9
15-Mar-07	3	6	5	5	4	3	2	3	6	9	9	4	3	3	1	0	5	5	5	11	14	8	29	18	6.7	28.8
16-Mar-07	5	4	0	1	2	3	3	3	6	9	9	8	3	4	8	5	6	5	6	11	9	6	7	5	5.3	10.5
17-Mar-07	5	5	4	5	4	5	5	6	7	10	15	5	8	15	7	9	8	6	6	4	5	5	5	4	6.6	15.1
18-Mar-07	4	3	4	2	3	4	4	4	4	5	7	5	11	16	15	4	18	4	9	18	0	11	0	0	6.4	18.1
19-Mar-07	0	0	0	1	0	0	1	1	0	0	0	1	0	0	2	2	2	3	9	13	1	5	2	2	1.9	12.7
20-Mar-07	8	1	2	1	10	4	2	17	17	8	7	6	6	8	8	8	6	4	6	5	1	1	10	4	6.3	17.4
21-Mar-07	0	3	1	1	3	6	5	3	2	3	0	2	0	0	0	0	1	2	1	0	0	0	1	1	1.4	5.9
22-Mar-07	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0.5	1.3
23-Mar-07	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	1	1	0.7	2.8
24-Mar-07	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	3	2	5	3	2	0.8	5.2
25-Mar-07	1	1	2	4	2	2	3	2	3	2	2	2	2	0	0	0	1	1	1	1	1	1	0	1	1.4	3.7
26-Mar-07	1	2	0	0	0	1	1	0	2	1	1	0	0	0	0	0	0	0	1	1	2	1	0	0	0.6	1.8
27-Mar-07	0	1	1	1	1	1	1	2	3	5	7	3	3	2	2	1	1	1	2	6	3	0	1	2	2.2	7.0
28-Mar-07	2	2	3	3	5	5	3	6	7	1	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1.7	6.5
29-Mar-07	0	0	0	1	1	0	1	2	2	1	4	20	4	23	22	15	24	6	16	14	12	10	13	10	8.4	24.3
30-Mar-07	10	9	5	9	7	6	5	5	15	7	7	6	10	5	5	5	5	6	8	5	1	0	0	0	5.8	14.6
31-Mar-07	0	0	0	0	0	0	1	1	2	0	0	0	1	1	2	1	1	1	1	1	2	6	1	1	1.0	5.7
Hourly Avg	2.8	2.3	2.4	2.5	2.6	2.5	2.2	3.4	5.6	4.3	4.2	3.9	3.5	4.6	4.4	3.6	5.6	4.5	5.3	5.2	3.3	4.0	4.0	3.0		
Hourly Max	13.9	8.9	12.0	9.6	9.8	9.1	6.0	17.9	47.5	24.7	14.8	19.6	13.1	23.4	22.4	20.0	24.3	21.2	19.8	18.1	13.9	27.5	28.8	18.2		

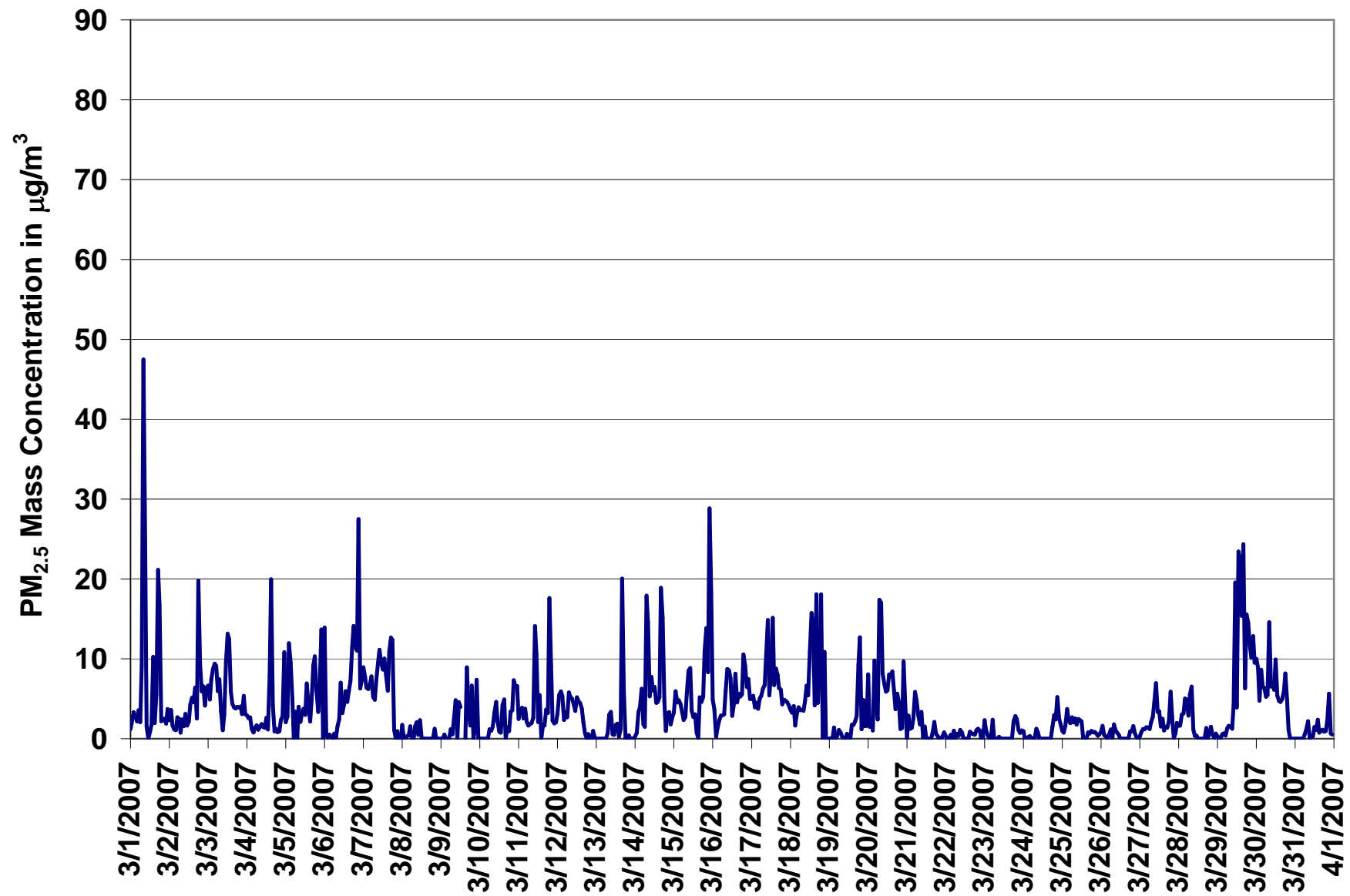


Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

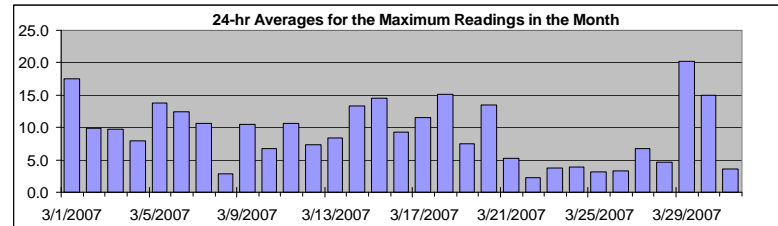
Particulate Matter (PM_{2.5})

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

Summary

Maximum 1-hr Average:	70.8	µg/m ³	13-Mar	16:00 17:00
Maximum 24-hr Value:	20.2	µg/m ³	29-Mar	

AIC Time:	0 hrs	Operational Time:	742 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	51.6	34.9	10.7	5.6	3.1	1.1	0.1	9.2	6 µg/m ³



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Mar-07	4	5	16	12	4	5	4	42	65	37	27	3	3	21	8	22	61	38	13	5	5	4	13	17.6	65.2	
2-Mar-07	7	8	5	3	6	11	13	6	5	5	12	5	5	7	8	16	5	37	31	11	9	7	9	9.8	37.0	
3-Mar-07	9	10	11	11	13	11	9	12	11	3	5	20	18	19	11	8	6	6	7	7	5	9	7	9.8	20.0	
4-Mar-07	6	5	6	6	6	4	5	3	4	4	4	3	7	3	34	32	13	4	4	3	4	5	10	8.0	34.0	
5-Mar-07	11	9	41	19	12	3	16	1	23	12	7	8	6	17	10	4	13	28	20	16	8	15	26	4	13.8	40.6
6-Mar-07	44	2	2	2	2	2	3	2	6	4	16	10	8	8	7	13	15	19	19	17	54	16	10	12.5	53.5	
7-Mar-07	13	10	8	8	9	11	11	7	10	13	24	11	12	12	10	11	18	18	18	13	1	3	3	0	10.6	24.3
8-Mar-07	3	1	2	3	3	8	2	1	4	5	4	12	4	0	1	3	2	2	1	2	3	1	0	0	2.8	12.4
9-Mar-07	0	1	2	1	1	1	6	4	5	9	4	11	11	C	C	0	60	23	15	19	5	13	38	1	10.5	60.0
10-Mar-07	1	2	2	3	1	4	4	3	4	5	16	13	2	3	14	19	1	4	3	9	10	10	13	14	6.7	18.9
11-Mar-07	6	6	7	5	7	5	6	5	5	10	39	26	5	11	3	5	4	7	16	30	27	8	7	6	10.6	38.8
12-Mar-07	12	14	13	11	6	9	12	8	8	9	7	8	10	10	7	6	4	5	2	4	2	2	5	2	7.4	14.2
13-Mar-07	2	2	4	3	1	5	2	6	5	7	4	2	4	5	3	3	71	52	0	3	4	4	3	5	8.3	70.8
14-Mar-07	9	9	8	7	9	4	4	39	35	10	13	12	10	9	8	9	42	37	16	3	7	5	6	7	13.3	42.5
15-Mar-07	9	9	8	7	8	9	6	6	10	12	15	13	5	6	4	4	17	23	17	35	29	14	43	40	14.5	43.0
16-Mar-07	11	7	3	4	5	5	6	5	8	12	11	11	10	10	14	9	8	8	7	19	19	9	14	7	9.2	19.2
17-Mar-07	7	7	7	8	6	7	7	8	10	19	43	9	23	25	11	14	12	10	9	7	8	7	7	6	11.5	42.8
18-Mar-07	6	7	6	4	5	6	5	6	8	8	11	16	26	27	48	10	33	23	21	33	1	50	0	2	15.1	50.4
19-Mar-07	1	3	2	5	1	3	5	2	2	1	2	2	2	4	8	5	4	7	22	39	7	35	11	7	7.5	38.8
20-Mar-07	39	11	7	4	16	9	5	31	29	18	10	8	8	10	10	11	9	9	7	7	4	4	39	18	13.5	39.4
21-Mar-07	3	8	13	9	7	11	11	7	5	8	6	6	1	1	0	3	5	5	3	2	4	3	2	3	5.3	12.9
22-Mar-07	2	2	1	2	1	3	3	2	2	2	3	2	1	1	2	4	4	2	4	2	3	3	1	1	2.2	4.4
23-Mar-07	8	3	5	7	4	9	3	2	2	3	1	1	1	1	2	2	3	5	5	5	6	3	3	4	3.7	9.0
24-Mar-07	3	1	1	1	2	3	1	2	3	2	2	4	3	5	5	4	3	2	5	10	7	14	6	4	3.9	14.5
25-Mar-07	4	4	4	6	5	5	4	4	4	3	4	4	4	1	0	2	2	3	3	2	2	2	2	3	3.2	5.9
26-Mar-07	3	4	2	4	3	4	3	3	4	3	4	5	2	2	1	2	3	4	6	5	5	4	4	1	3.3	6.2
27-Mar-07	2	3	3	3	3	4	3	4	5	7	9	6	6	4	5	3	3	3	4	41	32	1	3	4	6.7	40.8
28-Mar-07	4	6	6	5	8	13	5	9	10	5	2	3	4	3	5	2	2	4	1	3	4	5	3	2	4.6	12.7
29-Mar-07	2	2	2	2	2	3	4	4	4	3	11	38	11	59	52	39	52	10	39	35	28	22	37	24	20.2	59.5
30-Mar-07	22	41	33	31	16	16	21	13	22	16	13	15	26	12	11	9	8	10	10	10	4	0	0	1	15.0	41.0
31-Mar-07	1	1	0	0	1	2	2	4	4	4	4	3	9	9	6	3	3	3	3	2	4	13	4	2	3.7	13.0
Hourly Avg	8.1	6.5	7.3	6.4	5.6	6.2	6.2	8.1	10.5	8.4	10.7	9.4	8.0	9.6	10.6	8.2	14.8	12.9	11.7	13.8	8.9	10.7	10.5	7.2		
Hourly Max	43.8	41.0	40.6	30.6	15.9	15.8	20.7	41.8	65.2	37.4	42.8	38.4	26.4	59.5	51.5	38.9	70.8	61.1	38.7	40.8	32.0	53.5	43.0	39.8		

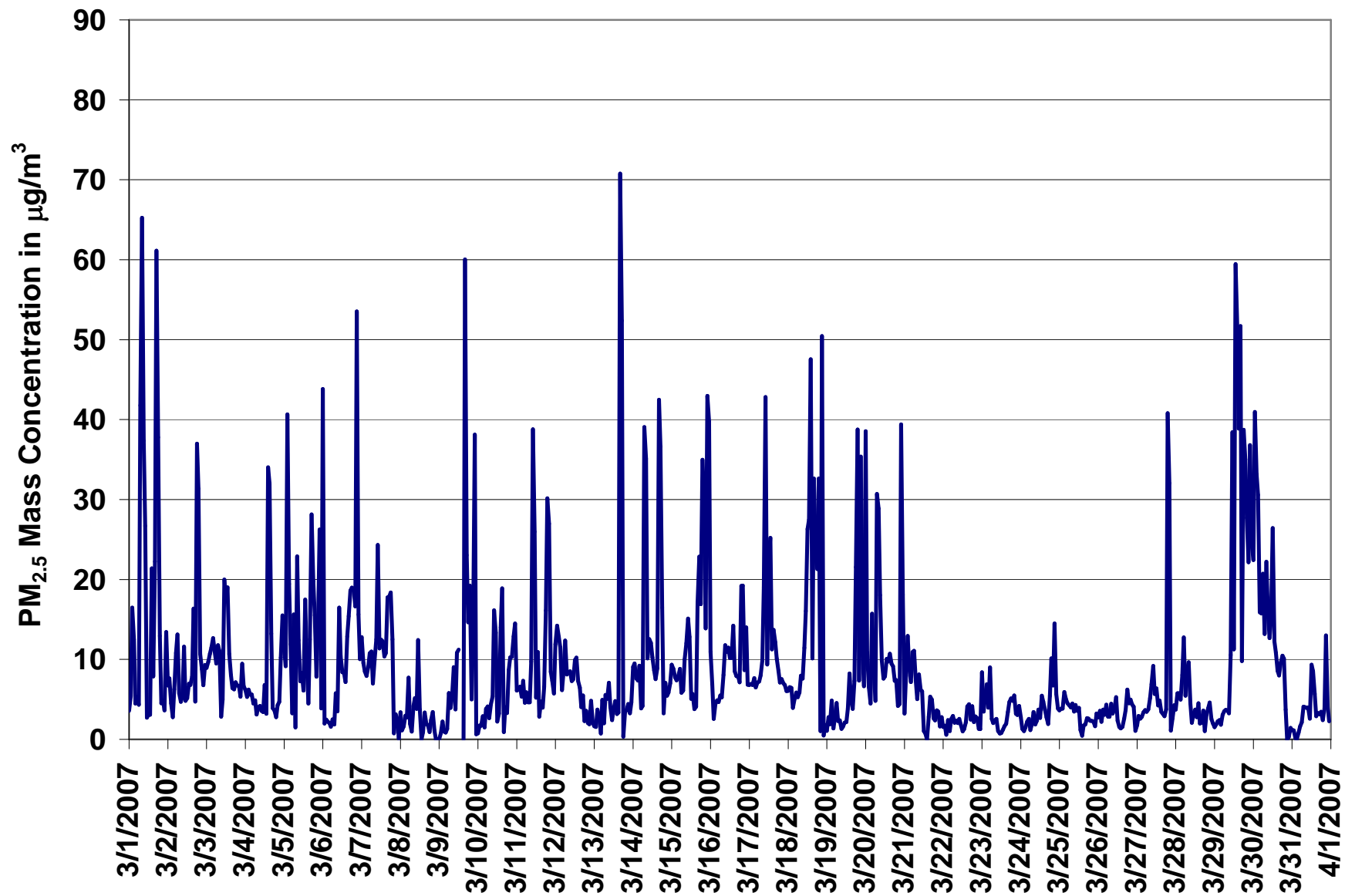
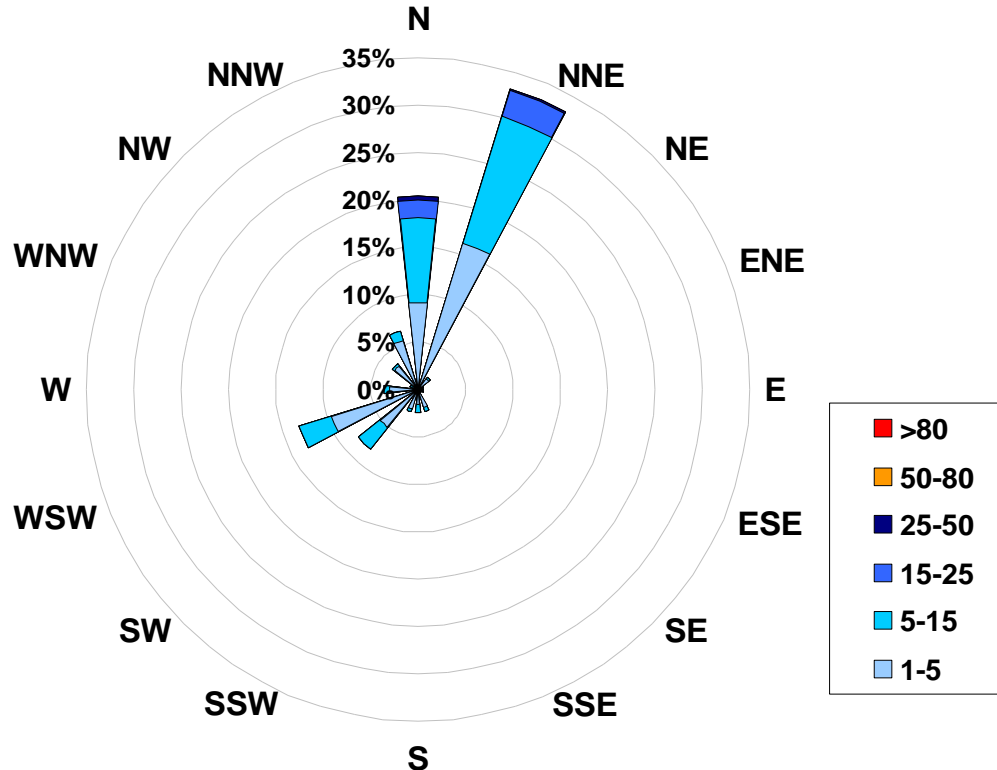


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range			Frequency (hrs)
1.0	<	5	545
5	to	15	171
15	to	25	23
25	to	50	3
50	to	80	0
	>	80	0
Total Non-Zero Values			742

PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

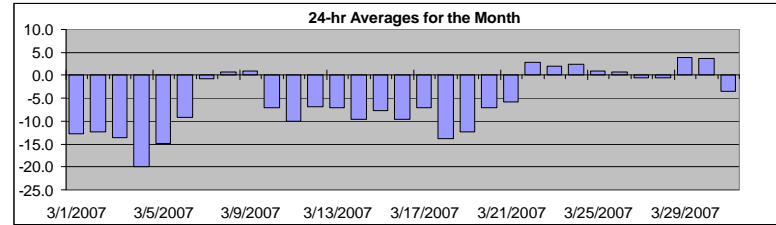
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	10.0	°C	29-Mar	15:00 16:00
Maximum 24-hr Value:	3.9	°C	29-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	8.2	5.7	0.5	-6.0	-11.5	-17.9	-21.6	-5.6 °C	-6.0 °C

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00		
1-Mar-07	-14	-15	-15	-15	-15	-15	-15	-15	-14	-14	-13	-10	-8	-7	-9	-10	-10	-11	-13	-13	-13	-13	-13	-14	-12.7	-7.3
2-Mar-07	-15	-16	-16	-17	-18	-20	-21	-22	-20	-18	-14	-12	-8	-8	-6	-6	-7	-8	-8	-7	-7	-6	-7	-6	-12.3	-5.7
3-Mar-07	-4	-5	-5	-5	-5	-6	-7	-7	-9	-14	-17	-16	-16	-17	-17	-18	-18	-19	-19	-20	-20	-20	-20	-20	-13.6	-4.5
4-Mar-07	-21	-21	-22	-22	-22	-22	-22	-22	-22	-22	-21	-20	-19	-18	-18	-18	-18	-18	-19	-20	-20	-18	-18	-18	-20.0	-17.8
5-Mar-07	-18	-18	-18	-17	-17	-17	-17	-17	-17	-16	-15	-14	-13	-12	-12	-13	-13	-13	-14	-14	-14	-14	-14	-14	-14.8	-12.2
6-Mar-07	-14	-14	-14	-14	-14	-15	-15	-15	-14	-13	-11	-8	-5	-4	-4	-4	-5	-5	-5	-6	-5	-5	-6	-7	-9.3	-3.7
7-Mar-07	-5	-5	-6	-6	-6	-4	-5	-7	-6	-3	0	2	2	3	4	5	5	4	3	3	2	1	1	1	-0.7	5.1
8-Mar-07	0	0	-1	-1	-1	-2	-2	-3	-2	-1	0	2	1	3	4	5	6	3	1	0	1	1	1	1	0.7	6.2
9-Mar-07	0	0	0	0	0	-1	-4	-5	-4	-2	0	4	4	5	5	5	6	4	2	1	1	0	0	0	0.9	5.5
10-Mar-07	0	0	0	0	0	-2	-5	-7	-8	-9	-9	-8	-8	-8	-9	-10	-10	-10	-10	-10	-11	-11	-12	-12	-7.1	-0.2
11-Mar-07	-13	-12	-13	-13	-13	-13	-14	-14	-13	-13	-12	-10	-10	-9	-8	-8	-8	-7	-7	-7	-6	-5	-5	-6	-9.9	-5.1
12-Mar-07	-5	-6	-7	-8	-8	-8	-8	-8	-8	-8	-7	-7	-6	-6	-6	-4	-4	-5	-7	-7	-7	-8	-8	-8	-6.9	-3.9
13-Mar-07	-8	-11	-11	-12	-12	-13	-13	-13	-10	-8	-6	-4	-3	-1	-1	-2	0	-1	-2	-5	-6	-7	-9	-9	-7.0	-0.4
14-Mar-07	-12	-14	-14	-15	-12	-8	-9	-8	-8	-7	-7	-7	-7	-6	-6	-6	-7	-7	-8	-12	-12	-12	-12	-13	-9.5	-5.5
15-Mar-07	-14	-12	-12	-12	-13	-13	-13	-15	-13	-11	-8	-7	-4	0	3	2	2	1	-4	-7	-7	-8	-8	-9	-7.6	3.0
16-Mar-07	-10	-11	-12	-13	-13	-13	-13	-13	-12	-12	-11	-10	-9	-9	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-9.6	-6.7
17-Mar-07	-7	-7	-7	-6	-6	-6	-6	-7	-7	-5	-5	-3	-3	-4	-5	-6	-7	-8	-9	-10	-11	-11	-12	-12	-7.1	-3.1
18-Mar-07	-13	-13	-13	-14	-15	-15	-16	-16	-16	-14	-14	-13	-12	-11	-10	-10	-11	-13	-14	-14	-11	-16	-17	-17	-13.8	-10.4
19-Mar-07	-17	-16	-16	-16	-16	-16	-16	-15	-15	-14	-12	-11	-10	-10	-10	-9	-9	-10	-9	-9	-9	-10	-10	-10	-12.3	-9.1
20-Mar-07	-10	-11	-10	-10	-9	-9	-9	-9	-8	-7	-7	-6	-6	-6	-6	-4	-2	-1	-5	-5	-5	-7	-8	-10	-7.1	-1.1
21-Mar-07	-13	-14	-15	-16	-16	-16	-16	-14	-12	-9	-5	-3	-3	-2	-1	0	1	2	3	3	2	0	1	1	-5.9	2.8
22-Mar-07	2	2	1	2	2	1	1	0	1	2	3	4	5	5	5	5	5	4	4	3	3	2	-1	2.8	5.4	
23-Mar-07	-2	-2	-4	-5	-6	-4	-5	-3	-1	0	2	5	6	6	6	8	9	7	6	5	5	5	4	5	1.9	8.8
24-Mar-07	5	3	3	2	0	-1	-2	-2	0	1	3	4	5	6	6	6	6	5	4	4	2	1	0	1	2.5	6.1
25-Mar-07	1	0	0	0	0	-2	-3	-3	-3	-1	1	2	3	4	5	5	4	4	3	2	0	0	-1	-1	0.9	5.0
26-Mar-07	-3	-2	-2	-4	-5	-7	-6	-6	-3	2	2	4	6	7	8	7	7	7	5	2	1	-1	-1	-3	0.6	7.5
27-Mar-07	-2	-1	-3	-4	-3	-4	-6	-5	-3	-2	1	4	5	5	4	4	3	2	2	1	0	-1	-3	-6	-0.5	5.4
28-Mar-07	-6	-6	-8	-9	-7	-8	-10	-9	-7	-3	-1	1	4	10	7	6	6	6	5	4	4	3	3	2	-0.5	9.8
29-Mar-07	1	1	-1	-1	-1	-1	0	-1	-1	1	3	6	9	9	10	10	9	8	7	6	5	4	4	3	3.9	10.0
30-Mar-07	3	2	2	2	2	2	2	2	4	4	6	6	8	8	7	7	6	6	5	3	1	1	1	1	3.7	8.1
31-Mar-07	0	-2	-3	-5	-6	-7	-7	-6	-5	-1	-1	-1	-1	0	0	-1	-1	-1	-3	-4	-5	-7	-8	-9	-3.5	0.1
Hourly Avg	-6.9	-7.3	-7.8	-8.3	-8.3	-8.5	-9.1	-9.2	-8.2	-6.8	-5.7	-4.1	-3.0	-2.2	-2.0	-2.0	-2.0	-2.6	-3.6	-4.4	-5.0	-5.4	-5.9	-6.3		
Hourly Max	4.5	2.8	2.7	2.1	2.0	1.7	1.9	1.6	3.7	4.2	5.8	6.5	9.2	9.8	9.8	10.0	9.3	8.4	7.4	6.4	5.1	4.7	4.0	4.5		

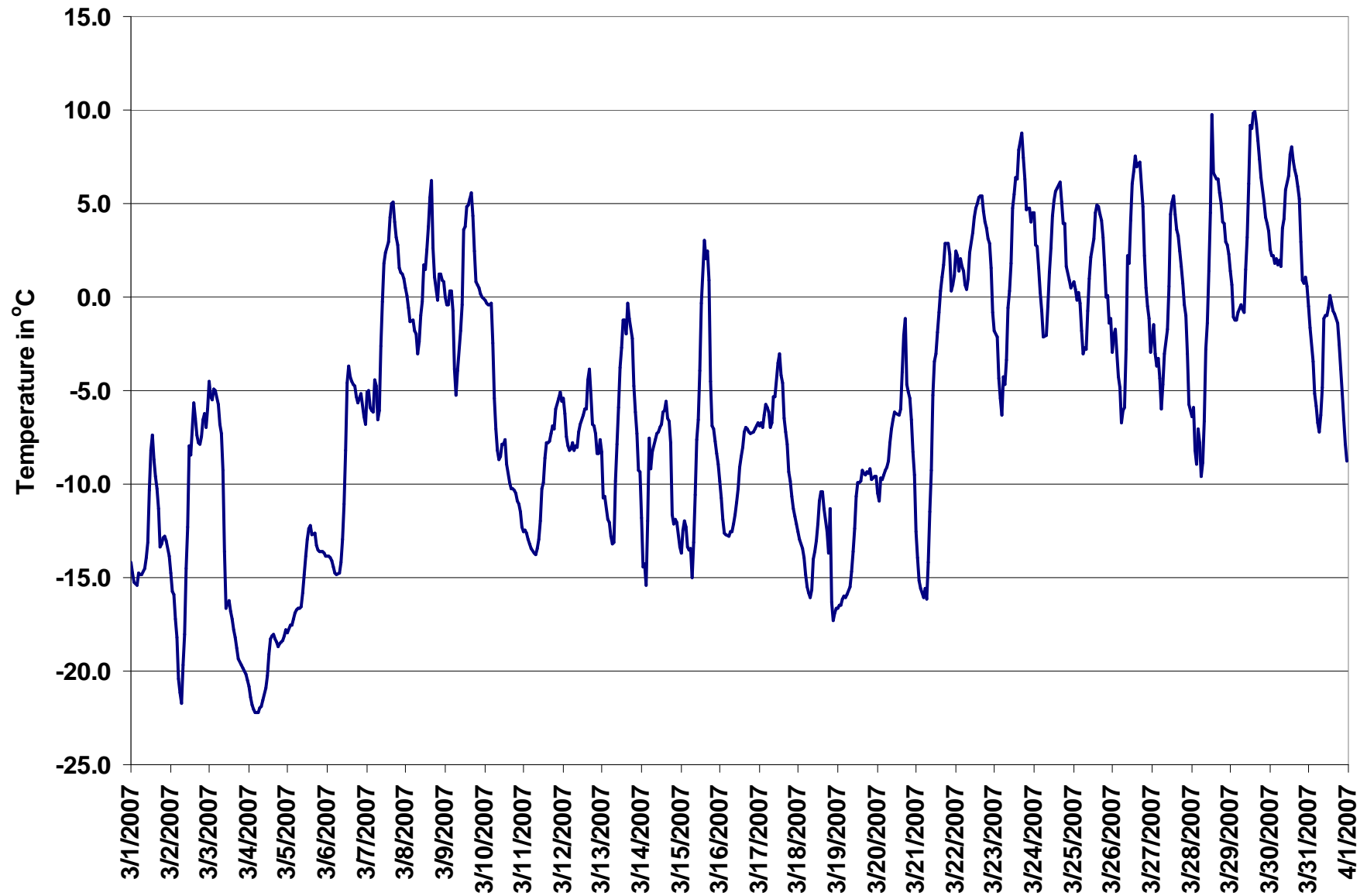


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

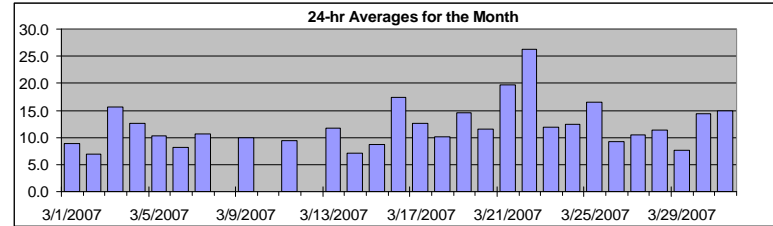
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	40.4	km/hr	22-Mar	0:00 1:00
Maximum 24-hr Value:	26.2	km/hr	22-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	700 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	94.1%				
Percentile	99	95	75	50	25	5	1	AverageS
	32.0	24.4	15.7	11.1	8.3	3.8	2.7	12.3 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							24-hr 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-Mar-07	12	11	10	10	11	10	7	8	7	7	9	7	5	5	8	9	11	10	8	9	11	9	9	10	8.9	12.3
2-Mar-07	9	8	10	8	8	6	7	7	9	9	5	2	2	4	5	7	10	9	9	7	4	8	5	6	6.8	10.3
3-Mar-07	8	6	9	16	13	14	19	14	15	20	24	26	26	24	21	20	17	15	15	12	10	11	10	13	15.7	26.1
4-Mar-07	13	13	12	11	10	9	9	9	10	12	12	12	11	13	13	12	13	14	16	16	17	16	15	15	12.6	16.6
5-Mar-07	12	11	10	9	10	11	10	11	12	11	9	9	9	8	10	11	10	10	11	10	11	11	9	10	10.2	11.8
6-Mar-07	9	9	12	11	11	13	12	12	10	8	6	3	2	3	5	7	7	9	9	8	9	7	4	10	8.2	12.8
7-Mar-07	11	10	11	11	12	11	6	5	6	4	7	10	12	15	12	14	15	17	8	11	8	10	14	15	10.6	17.4
8-Mar-07	15	12	N	N	N	N	N	N	N	3	19	16	8	9	8	6	4	9	11	8	11	13	12	14	N	18.7
9-Mar-07	14	13	13	16	16	12	8	13	15	9	5	4	8	12	11	6	8	14	11	7	6	8	6	3	10.0	16.5
10-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	3	15	18	21	24	24	24	23	25	25	18	15	N	25.1
11-Mar-07	16	17	11	11	9	10	9	6	5	6	6	6	10	9	11	12	12	11	4	N	N	N	N	N	9.5	16.5
12-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	15	16	17	19	20	N	19.8
13-Mar-07	18	15	17	17	16	12	14	14	16	15	16	14	17	12	12	8	8	7	6	8	3	6	4	6	11.8	17.6
14-Mar-07	7	4	6	5	7	7	4	7	11	9	8	9	8	9	12	12	9	4	3	2	3	5	8	10	7.1	11.6
15-Mar-07	11	17	11	13	12	11	10	7	6	4	3	6	10	8	5	5	3	8	11	7	9	10	12	12	8.7	16.9
16-Mar-07	13	12	13	14	15	20	20	19	19	21	20	19	18	19	21	19	20	19	18	16	16	17	16	15	17.4	20.8
17-Mar-07	16	15	15	14	14	12	12	10	6	5	7	4	5	7	11	16	17	16	13	15	19	22	19	14	12.6	22.4
18-Mar-07	9	5	6	12	13	10	9	8	9	8	11	13	11	9	9	10	9	10	10	11	10	16	17	10.1	17.0	
19-Mar-07	16	16	17	17	19	19	19	18	17	19	19	14	16	14	18	17	15	13	13	10	9	9	3	4	14.6	19.3
20-Mar-07	4	6	8	8	9	11	12	8	9	9	7	12	16	16	16	15	18	17	19	23	17	9	2	4	11.5	22.8
21-Mar-07	4	11	10	12	11	13	11	9	9	11	18	22	25	28	26	22	24	26	31	32	30	20	32	35	19.7	34.9
22-Mar-07	40	38	29	30	27	25	27	29	31	30	30	37	34	27	25	28	21	19	22	19	18	18	16	9	26.2	40.4
23-Mar-07	7	12	11	9	10	7	4	8	19	11	10	13	15	14	14	6	5	8	12	10	18	24	18	21	12.0	24.1
24-Mar-07	21	15	18	15	17	14	16	12	16	13	14	15	14	11	9	5	7	11	10	10	14	7	4	9	12.3	20.6
25-Mar-07	14	12	12	14	11	10	3	N	N	12	22	23	19	19	24	27	25	21	15	16	14	19	17	17	16.5	27.3
26-Mar-07	12	18	16	8	12	11	10	11	5	2	10	12	10	13	12	12	13	12	7	3	3	4	4	5	9.3	17.8
27-Mar-07	6	7	5	7	10	13	9	7	8	9	12	5	9	12	17	21	17	16	14	8	10	10	6	12	10.5	21.4
28-Mar-07	15	10	5	6	9	10	9	9	8	5	8	7	5	4	11	18	18	19	16	16	17	14	16	17	11.3	18.7
29-Mar-07	18	13	6	4	3	16	14	7	8	3	3	3	3	6	6	5	9	10	9	7	6	7	8	10	7.7	18.5
30-Mar-07	10	11	9	8	12	9	11	10	8	11	10	10	9	11	12	11	14	23	25	35	29	23	16	18	14.4	35.1
31-Mar-07	17	17	14	12	10	7	11	10	9	10	12	16	17	15	17	19	17	17	20	23	18	15	19	18	15.0	23.1
1-hr Average	13.0	12.5	11.6	11.8	12.0	11.8	11.2	10.7	11.3	10.1	11.8	12.1	11.9	12.4	13.3	13.3	13.4	13.9	13.2	13.2	13.0	12.8	12.0	12.7		
Hourly Max	40.4	38.3	28.6	30.5	26.5	25.2	26.6	28.9	31.3	29.9	30.1	37.1	33.8	28.0	26.2	28.2	25.2	26.0	30.8	35.1	30.5	25.1	32.0	34.9		

PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

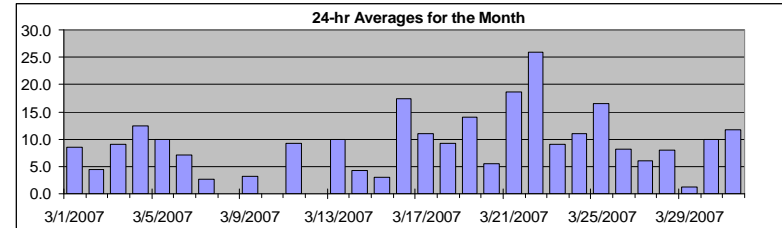
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	40.4	km/hr	22-Mar	0:00 1:00
Maximum 24-hr Value:	26.0	km/hr	22-Mar	



Calm Time:	1 hrs	0% calms	Operational Time:	699 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	94.1%				
Percentile	99	95	75	50	25	5	1	AverageV
	32.0	24.3	15.6	10.9	7.9	3.0	1.7	10.4 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max	
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	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-Mar-07	12	11	10	10	10	10	7	8	7	7	9	7	5	4	8	9	11	10	8	9	11	9	9	10	8.6	12.3	
2-Mar-07	8	8	9	7	8	6	7	7	9	8	5	2	1	3	5	4	10	9	8	7	2	7	3	5	4.4	10.3	
3-Mar-07	8	5	9	16	12	14	19	11	15	20	24	25	26	23	21	19	16	15	14	11	10	11	9	13	9.0	25.9	
4-Mar-07	12	13	12	11	10	9	9	9	10	12	12	12	11	13	13	12	13	14	16	16	17	16	15	15	12.5	16.5	
5-Mar-07	11	11	10	9	10	11	10	11	12	11	9	8	9	8	10	10	10	10	11	10	11	11	9	10	10.0	11.8	
6-Mar-07	9	9	12	11	11	13	12	12	10	8	6	2	1	calm	5	7	6	9	9	8	8	6	2	10	7.1	12.8	
7-Mar-07	10	9	11	11	11	11	5	5	5	4	6	10	12	15	12	14	14	17	7	9	6	9	13	15	2.7	16.9	
8-Mar-07	15	12	N	N	N	N	N	N	N	2	16	13	8	8	8	5	3	9	11	8	11	13	12	14	N	16.5	
9-Mar-07	14	13	12	16	16	12	8	13	14	6	5	2	7	12	11	5	8	14	11	7	6	8	6	3	3.1	16.5	
10-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	3	15	18	21	24	24	24	23	25	18	14	N	N	25.1	
11-Mar-07	16	16	11	11	9	10	9	5	5	6	6	6	10	9	11	12	12	10	4	N	N	N	N	N	9.2	16.4	
12-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	15	16	17	18	20	N	19.8	
13-Mar-07	17	15	17	17	15	12	14	14	16	15	16	14	17	11	12	8	8	3	6	8	2	5	4	6	10.0	17.3	
14-Mar-07	6	4	5	2	7	7	2	7	11	9	8	9	8	9	11	12	9	4	3	2	3	5	8	10	4.2	11.6	
15-Mar-07	11	17	11	13	12	11	10	6	5	4	3	5	10	7	4	5	2	6	11	7	9	10	12	12	2.9	16.8	
16-Mar-07	13	12	13	14	15	20	20	19	19	21	20	19	18	19	21	19	19	19	18	16	16	17	16	15	17.3	20.7	
17-Mar-07	16	15	15	14	13	12	12	10	5	3	6	4	5	7	11	16	17	15	13	14	19	22	19	14	11.1	22.3	
18-Mar-07	9	4	6	12	13	10	9	8	9	7	11	12	11	8	9	9	10	9	10	10	10	10	16	17	9.3	17.0	
19-Mar-07	16	16	17	17	19	19	19	18	17	19	14	15	14	18	17	15	13	13	10	8	5	2	2	2	14.1	19.3	
20-Mar-07	3	4	7	8	9	11	11	8	9	8	7	12	16	16	16	15	18	12	19	23	16	8	1	3	5.5	22.7	
21-Mar-07	4	11	10	12	11	13	10	9	8	11	18	22	25	28	26	22	24	26	31	32	30	20	32	35	18.6	34.9	
22-Mar-07	40	38	29	30	26	25	27	29	31	30	30	37	34	26	24	28	21	19	22	19	18	18	16	9	26.0	40.4	
23-Mar-07	7	12	11	9	9	7	3	8	19	10	10	13	15	14	14	6	3	8	12	10	18	24	18	21	9.1	24.0	
24-Mar-07	20	14	18	14	17	14	16	11	15	13	14	15	14	11	8	5	6	9	10	2	13	7	3	9	11.0	19.8	
25-Mar-07	14	12	12	14	11	9	3	N	N	11	22	23	19	18	23	27	25	21	15	15	14	19	16	16	16.5	27.2	
26-Mar-07	11	18	16	8	12	10	9	11	3	2	9	12	9	13	11	12	12	11	7	2	2	3	3	4	8.1	17.8	
27-Mar-07	6	7	5	7	9	12	9	6	8	9	11	4	8	11	17	21	17	16	14	8	9	10	2	12	6.0	21.3	
28-Mar-07	15	10	5	6	8	10	8	9	8	4	8	6	5	4	11	18	18	19	16	16	17	14	16	17	7.9	18.7	
29-Mar-07	18	12	6	3	3	16	14	7	8	2	2	3	2	5	6	5	9	10	8	7	6	7	8	10	1.3	18.4	
30-Mar-07	9	11	9	8	11	8	11	10	8	11	10	10	9	11	12	11	14	23	25	34	29	22	15	18	10.0	34.3	
31-Mar-07	17	17	14	12	10	7	11	10	9	10	11	16	16	14	17	18	17	17	19	23	18	15	19	18	11.8	23.0	
1-hr Vector	5.0	4.6	4.1	4.2	3.5	2.7	2.8	3.2	2.2	2.9	2.4	2.6	1.9	2.5	3.5	5.1	5.3	5.7	5.7	5.7	5.3	5.2	4.1	4.3			
Hourly Max	40.4	38.3	28.5	30.4	26.5	25.1	26.5	28.9	31.3	29.8	30.0	37.1	33.7	28.0	26.1	27.9	25.2	25.9	30.7	34.3	30.4	25.1	32.0	34.9			

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	357.6	348.5	247.3	191.5	23.3	7.9	1.3	307 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-Mar-07	344	351	354	1	359	10	22	20	10	8	25	31	24	26	12	340	349	3	17	349	344	337	338	347	0	N	
2-Mar-07	14	2	353	357	345	11	14	14	24	25	18	306	27	256	152	338	21	29	17	18	248	236	173	250	3	N	
3-Mar-07	243	160	252	243	217	204	219	243	8	20	9	9	4	3	359	350	353	349	346	346	346	350	7	25	344	NNW	
4-Mar-07	34	35	35	30	29	33	28	31	28	30	29	25	20	23	23	13	7	10	13	19	26	21	22	12	23	NNE	
5-Mar-07	1	7	0	6	13	22	27	26	23	25	23	12	17	9	359	355	352	359	12	6	3	9	14	49	12	NNE	
6-Mar-07	22	30	31	26	28	30	28	27	26	27	16	342	88	99	27	10	8	20	13	2	9	11	289	249	19	NNE	
7-Mar-07	242	233	229	223	248	255	238	189	180	66	27	25	26	17	21	27	17	3	345	311	130	190	237	240	302	WNW	
8-Mar-07	247	229	212	219	260	264	243	253	232	199	234	250	243	220	189	144	200	141	150	157	163	174	169	169	N	-	
9-Mar-07	164	165	178	167	161	171	258	248	229	247	197	199	237	236	257	285	10	4	348	15	27	28	24	44	216	SW	
10-Mar-07	81	118	153	191	150	41	23	28	25	24	21	26	23	25	17	23	26	24	24	20	19	17	17	1	N	-	
11-Mar-07	1	6	354	356	11	22	34	59	50	33	14	15	15	14	28	21	22	16	30	12	12	82	106	128	17	NNE	
12-Mar-07	31	14	8	352	351	359	311	1	276	122	161	251	249	241	251	249	235	255	244	251	251	246	247	239	N	-	
13-Mar-07	250	255	260	263	262	250	231	251	248	260	232	226	233	247	253	279	11	182	125	147	279	230	222	236	246	WSW	
14-Mar-07	250	248	229	232	7	352	70	3	10	15	11	20	17	3	19	19	17	354	24	344	275	259	260	250	350	N	
15-Mar-07	243	251	237	250	242	231	247	240	245	180	161	150	170	170	179	218	191	28	21	5	9	13	13	10	254	WSW	
16-Mar-07	11	13	21	19	21	27	26	28	25	16	16	16	16	27	23	18	20	20	22	24	18	19	26	20	19	21	NNE
17-Mar-07	16	23	19	10	12	356	343	341	353	10	11	118	26	18	8	358	352	357	346	316	304	309	321	312	349	N	
18-Mar-07	293	314	9	345	354	5	354	342	340	356	8	21	16	18	23	19	13	359	15	13	37	28	38	31	9	N	
19-Mar-07	28	24	26	19	25	28	25	26	31	30	26	34	47	36	22	25	25	21	20	10	1	2	311	161	25	NNE	
20-Mar-07	47	18	26	37	13	21	34	9	17	267	254	226	227	232	228	230	229	270	325	312	313	307	256	176	290	WNW	
21-Mar-07	235	258	243	246	237	247	256	224	226	190	187	221	192	191	200	203	226	225	220	224	229	245	236	234	222	222	SW
22-Mar-07	233	234	235	238	240	244	243	240	237	240	232	242	246	248	249	251	231	238	236	228	228	234	223	202	238	238	WSW
23-Mar-07	208	267	243	239	241	220	197	174	171	203	159	156	161	152	142	161	158	290	260	258	236	235	227	209	208	208	SSW
24-Mar-07	236	226	219	238	226	232	228	231	237	232	221	229	229	227	234	290	210	198	244	250	314	351	155	227	233	233	SW
25-Mar-07	235	225	227	245	234	252	225	236	251	240	236	244	240	238	242	237	239	236	238	239	240	246	246	242	239	239	WSW
26-Mar-07	237	241	244	204	193	234	245	249	167	210	209	194	200	185	201	184	168	199	261	170	249	223	288	244	215	215	SW
27-Mar-07	215	252	224	205	216	213	234	234	211	239	273	265	248	6	349	341	339	338	338	340	333	330	300	243	292	292	WNW
28-Mar-07	266	277	215	202	224	205	212	231	215	161	127	124	123	106	124	121	120	124	124	143	163	166	162	163	161	161	SSE
29-Mar-07	162	162	186	206	211	172	167	176	184	258	252	7	54	16	11	5	19	25	15	17	31	15	7	15	96	96	E
30-Mar-07	22	18	3	17	18	16	21	22	8	17	8	357	0	358	354	339	316	297	298	269	268	281	268	259	321	321	NW
31-Mar-07	256	253	253	269	274	272	257	268	267	338	347	6	2	324	1	345	342	336	330	322	335	350	345	343	321	321	NW
Hourly Avg	268	273	278	281	290	287	291	297	307	329	306	298	298	322	339	339	347	341	335	311	308	306	293	268			

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

Station: Smoky Heights
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	50.7	30.5	10.6	6.5	4.2	2.5	1.8

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

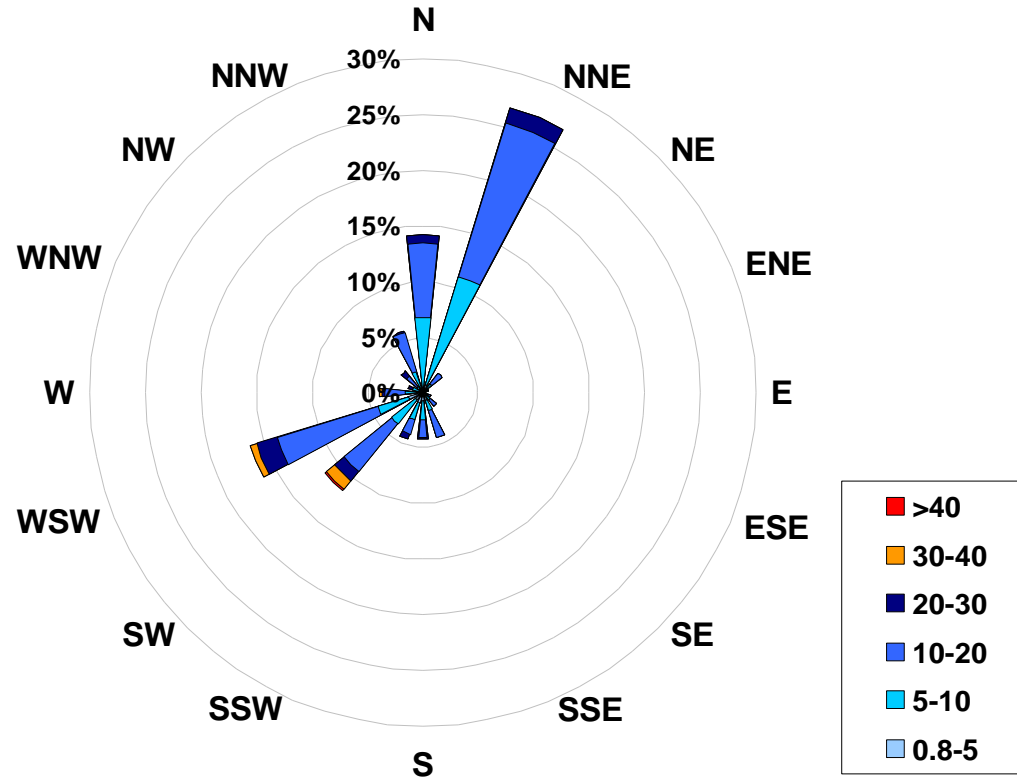
Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00
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-Mar-07	3	5	5	5	6	4	5	5	7	9	5	5	17	25	10	7	6	6	4	10	5	6	5	9	
2-Mar-07	8	11	9	10	6	7	7	4	1	3	9	33	30	22	18	21	3	3	4	4	31	23	31	44	
3-Mar-07	11	20	25	4	7	6	5	41	6	4	5	6	6	7	7	7	8	7	6	6	7	7	8	5	
4-Mar-07	5	6	5	5	5	6	5	5	5	4	5	5	6	6	6	5	6	4	3	4	4	5	5	5	
5-Mar-07	7	8	8	8	6	6	6	5	5	6	9	14	10	10	12	10	9	11	8	7	7	7	9	5	
6-Mar-07	6	6	5	4	3	3	4	4	6	4	9	42	66	56	6	17	14	6	4	8	5	9	37	6	
7-Mar-07	10	10	6	6	11	7	30	21	18	23	11	5	5	5	8	5	6	10	34	17	28	10	9	4	
8-Mar-07	3	6	7	16	17	4	6	4	12	21	8	22	16	18	15	23	23	5	5	7	4	3	3	2	
9-Mar-07	2	3	10	3	2	16	8	7	4	49	13	61	17	8	7	19	10	13	13	12	12	6	11	12	
10-Mar-07	11	7	18	13	17	19	7	6	5	7	7	3	3	4	3	3	2	3	2	3	3	3	4	6	
11-Mar-07	8	7	9	9	7	5	6	12	13	10	9	10	4	6	5	5	6	8	7	6	11	46	15	44	
12-Mar-07	7	7	6	8	24	44	59	16	22	8	15	8	7	5	5	4	3	8	10	3	2	3	4	2	
13-Mar-07	5	3	4	4	3	8	4	3	3	4	3	4	3	6	6	7	15	50	8	27	42	28	19	23	
14-Mar-07	12	18	16	24	15	8	34	18	5	4	6	6	8	10	6	3	6	19	15	34	15	11	4	7	
15-Mar-07	5	2	4	4	5	3	6	10	15	9	27	18	3	24	25	17	41	16	5	7	8	4	3	3	
16-Mar-07	3	2	3	3	2	2	1	2	3	3	4	3	4	4	3	3	3	3	3	5	4	3	4	3	
17-Mar-07	3	4	3	11	19	6	5	6	25	62	40	25	24	9	8	8	8	7	13	10	7	4	4	6	
18-Mar-07	6	15	14	8	8	14	8	8	10	15	7	8	8	10	8	8	6	7	3	6	6	5	3	3	
19-Mar-07	4	7	5	3	3	5	4	4	3	3	3	10	6	6	3	4	3	4	6	10	13	18	44	48	
20-Mar-07	24	16	10	10	5	6	4	11	12	17	7	5	3	4	5	3	4	23	7	6	6	28	73	30	
21-Mar-07	16	8	5	4	6	6	9	7	8	5	7	6	4	3	3	4	4	3	2	3	4	8	2	2	
22-Mar-07	2	2	2	3	3	3	2	2	1	3	3	3	3	4	4	5	4	6	4	3	4	4	3	10	
23-Mar-07	14	7	9	13	6	8	20	6	2	12	12	7	7	4	4	30	51	7	6	8	3	2	3	4	
24-Mar-07	5	7	3	7	5	5	4	14	9	5	7	7	7	5	17	13	9	14	10	38	11	9	33	8	
25-Mar-07	6	4	4	4	8	7	8	6	4	5	2	3	3	4	4	3	2	2	2	4	3	4	4	5	
26-Mar-07	7	3	3	13	6	9	8	11	35	42	10	10	19	9	13	9	8	13	26	20	31	21	45	7	
27-Mar-07	10	11	14	6	7	9	10	17	10	18	10	50	27	25	8	6	8	7	5	7	4	3	63	9	
28-Mar-07	2	4	16	8	4	3	8	5	5	14	6	7	14	17	8	5	4	3	3	4	6	5	2	2	
29-Mar-07	2	17	17	23	38	6	4	28	8	39	26	19	33	6	5	7	3	9	13	9	11	9	16	9	
30-Mar-07	6	3	6	3	10	28	9	7	7	5	7	10	12	9	9	13	12	6	4	4	4	6	9	5	
31-Mar-07	2	3	3	5	8	7	6	7	13	18	11	8	11	14	9	11	11	7	6	4	6	11	7	7	

Daily Maximum
24.7
44.4
41.1
6.3
14.4
65.7
33.6
23.1
60.5
18.9
46.1
58.9
50.2
34.3
40.9
4.9
62.1
15.2
47.9
72.9
15.8
9.8
51.1
38.4
8.0
44.9
62.6
16.7
38.8
28.5
17.5

Hourly Max	24	20	25	24	38	44	59	41	35	62	40	61	66	56	25	30	51	50	34	38	42	46	73	48
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1-hr Average Wind Rose (in km/hr) Located at the Smoky Heights Site for March 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	58
5	to	10	224
10	to	20	354
20	to	30	51
30	to	40	12
	>	40	1
Total Non-Zero Values			700

PASZA – Beaverlodge Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Beaverlodge - AQI Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: March 1, 2007 to April 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:	671
Number of 1-hr Fair Readings:	39
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day	Mountain Standard Time																							
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00
1-Mar-07	6	6	5	8	N	11	8	5	5	9	9	11	13	14	15	15	13	13	13	12	11	11	10	13
2-Mar-07	13	13	13	10	N	12	12	12	11	12	13	13	13	14	14	14	13	13	9	10	8	8	8	7
3-Mar-07	9	8	7	9	N	9	6	7	8	11	13	14	15	15	14	14	14	13	12	11	11	11	10	10
4-Mar-07	11	10	9	9	N	10	10	11	12	12	12	12	12	13	13	13	13	13	13	12	12	12	12	12
5-Mar-07	12	12	12	12	N	12	11	9	10	11	12	12	13	13	14	14	13	13	12	12	12	13	14	13
6-Mar-07	15	14	13	14	N	14	14	12	11	11	13	14	15	15	14	14	12	9	11	8	10	10	7	8
7-Mar-07	9	7	8	9	N	7	6	6	7	8	9	9	13	15	16	17	20	20	17	18	15	16	15	15
8-Mar-07	14	13	9	9	N	16	22	22	20	22	23	22	21	21	22	22	20	20	17	15	17	19	20	20
9-Mar-07	20	21	21	21	N	19	19	14	17	16	19	18	20	22	23	23	24	24	23	22	23	23	22	22
10-Mar-07	21	21	22	21	N	20	19	19	20	18	19	18	21	23	23	23	22	22	19	19	19	18	17	16
11-Mar-07	16	16	16	16	N	15	14	11	14	15	14	15	15	16	17	16	17	18	17	16	15	13	15	14
12-Mar-07	13	12	14	14	N	13	13	12	9	13	17	16	19	19	21	22	23	22	22	20	20	21	20	19
13-Mar-07	20	20	20	20	N	18	19	17	17	18	18	20	20	21	22	23	22	19	18	18	18	19	19	20
14-Mar-07	20	20	20	16	N	17	13	8	9	15	15	14	14	14	15	16	15	13	17	15	13	13	12	
15-Mar-07	11	10	13	16	N	17	17	18	19	18	16	17	20	22	23	23	23	22	22	21	21	20	22	21
16-Mar-07	20	19	17	15	N	13	8	7	10	11	17	19	20	20	19	21	21	21	20	18	17	16	14	16
17-Mar-07	17	14	14	12	N	13	12	12	13	13	14	14	14	15	16	17	16	16	16	15	14	14	14	14
18-Mar-07	14	13	14	13	N	13	13	13	14	15	15	16	17	18	18	18	17	18	18	19	20	19	20	20
19-Mar-07	20	20	19	19	N	18	18	18	18	18	17	18	18	18	18	19	19	18	14	14	14	13	14	14
20-Mar-07	13	12	11	10	N	11	7	12	13	13	14	15	11	N	N	N	24	24	22	19	17	19	18	16
21-Mar-07	14	18	20	22	N	21	18	18	18	21	19	21	21	22	22	24	23	23	23	22	23	23	23	24
22-Mar-07	24	25	25	24	N	24	24	25	25	25	25	25	26	25	25	26	26	25	25	25	25	25	25	25
23-Mar-07	25	24	24	24	N	20	20	20	19	21	21	21	23	24	25	25	24	23	22	22	21	20	20	19
24-Mar-07	22	23	24	25	N	24	23	24	24	23	24	25	28	29	28	28	27	26	28	26	23	25	23	24
25-Mar-07	24	22	21	19	N	13	16	20	19	20	21	23	24	24	24	24	24	24	24	24	23	22	22	22
26-Mar-07	23	23	23	22	N	21	21	20	20	20	20	21	22	24	25	24	24	23	23	22	22	22	21	22
27-Mar-07	22	22	21	22	N	22	21	19	20	20	21	23	24	24	24	25	26	26	25	25	25	22	21	23
28-Mar-07	23	23	23	23	N	21	20	21	22	23	23	23	23	24	25	27	28	24	24	19	23	24	22	23
29-Mar-07	24	23	24	24	N	23	22	21	23	23	25	26	31	35	38	34	33	35	30	28	25	29	31	30
30-Mar-07	30	32	31	26	N	23	24	24	21	21	22	22	27	31	38	35	29	29	33	28	25	24	24	24
31-Mar-07	23	22	22	23	N	22	20	19	19	20	19	21	23	23	23	23	24	23	23	22	22	21	22	20

PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

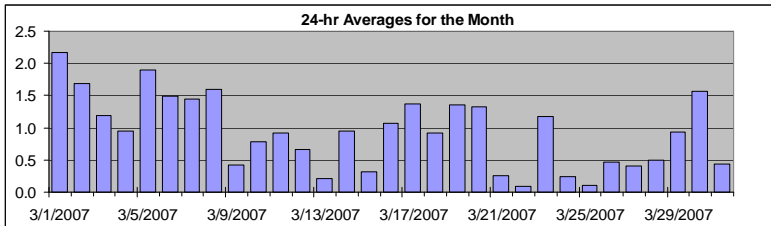
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	11.6 ppb	8-Mar	12:00	13:00
Maximum 24-hr Average:	2.2 ppb	1-Mar		

AIC Time:	32 hrs	Operational Time:	708 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	4.2	2.7	1.3	0.6	0.2	0.1	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	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-Mar-07	2	1	1	1	A	1	1	1	2	2	2	2	2	3	3	3	4	3	3	4	2	2	2	2	2.2	4.0	
2-Mar-07	2	1	1	1	A	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1.7	2.4	
3-Mar-07	2	2	2	2	A	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	0	0	0	1.2	2.1	
4-Mar-07	0	0	0	1	A	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1.0	2.4	
5-Mar-07	3	3	4	3	A	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	4	2	1.9	4.3	
6-Mar-07	2	2	2	3	A	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	2.8	
7-Mar-07	1	1	1	1	A	2	2	2	2	3	3	3	3	2	2	1	1	0	0	0	0	1	1	0	1.4	3.1	
8-Mar-07	0	0	0	0	A	0	0	0	0	0	0	8	12	4	3	5	3	0	0	0	0	0	0	0	1.6	11.6	
9-Mar-07	0	0	0	0	A	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0.4	1.6
10-Mar-07	1	0	0	0	A	0	0	0	0	0	0	0	0	1	1	0	0	1	4	3	2	1	1	1	0.8	4.0	
11-Mar-07	0	0	0	0	A	1	4	1	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0.9	4.2	
12-Mar-07	0	0	1	1	A	2	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.7	2.5	
13-Mar-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	0.4	
14-Mar-07	0	0	0	0	A	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0.9	1.9	
15-Mar-07	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	0.7	
16-Mar-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	1.4	
17-Mar-07	1	1	1	1	A	1	1	3	3	2	2	1	1	2	1	2	1	2	1	1	1	1	1	1	1.4	3.0	
18-Mar-07	1	1	1	1	A	1	0	0	0	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	0.9	1.9	
19-Mar-07	1	1	1	0	A	1	1	1	1	1	2	2	2	3	2	2	2	2	1	2	1	2	2	1	1.4	2.7	
20-Mar-07	1	1	1	1	A	1	1	2	3	2	1	2	1	0	C	C	C	C	A	2	2	1	2	1	1.3	3.0	
21-Mar-07	1	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.4	
22-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
23-Mar-07	0	0	0	0	A	1	1	1	1	1	1	4	11	2	3	0	0	0	0	0	0	0	0	0	1.2	10.5	
24-Mar-07	0	0	0	0	A	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.7	
25-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
26-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	0	1	3	3	0	0	0	0	0	0	0	0	0.5	3.1	
27-Mar-07	0	0	0	0	A	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0.4	1.1	
28-Mar-07	0	0	0	1	A	0	0	0	0	0	1	1	1	1	1	0	0	1	0	1	0	1	0	0	0.5	0.9	
29-Mar-07	0	0	0	0	A	0	0	0	0	0	1	1	1	2	1	2	2	2	1	1	2	1	1	2	0.9	1.9	
30-Mar-07	2	1	2	2	A	1	2	1	1	1	2	4	8	3	2	2	0	0	0	0	0	0	0	1	1.6	8.0	
31-Mar-07	0	1	0	0	A	0	1	1	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0.4	2.0	
Hourly Avg	0.8	0.7	0.8	0.8	N	0.9	0.9	0.9	1.0	1.0	1.0	1.4	1.8	1.2	1.2	1.1	0.9	0.8	0.8	0.8	0.7	0.7	0.8	0.7			
Hourly Max	3.3	2.8	4.3	3.3	0.0	2.5	4.2	3.0	3.0	2.8	3.0	7.7	11.6	3.8	3.4	5.0	4.0	3.2	4.0	3.6	2.1	2.2	3.9	2.4			

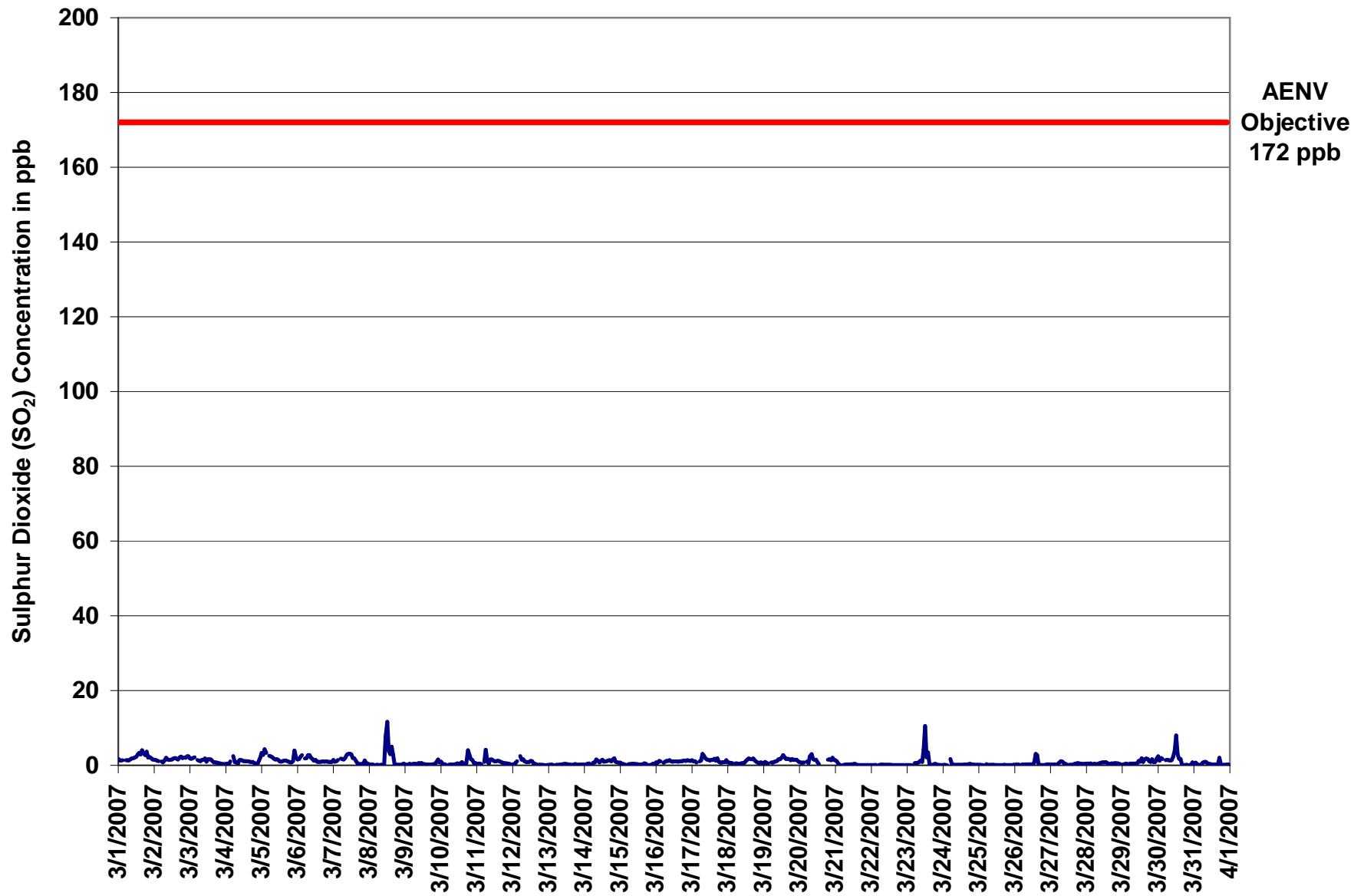


Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

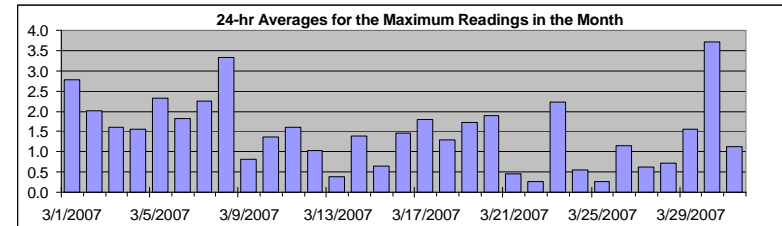
Sulphur Dioxide (SO₂)

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

Summary

Maximum 1-hr Value:	22.4	ppb	30-Mar	12:00 13:00
Maximum 24-hr Value:	3.7	ppb	30-Mar	

AIC Time:	32 hrs	Operational Time:	708 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	9.5	4.2	1.8	1.0	0.4	0.2	0.2	1.5 ppb	1.0 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Mar-07	2	2	2	2	A	2	2	2	2	2	2	2	3	3	5	4	5	5	3	6	3	2	2	2	2.8	6.3
2-Mar-07	2	2	1	1	A	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	2.0	2.9
3-Mar-07	2	2	2	2	A	2	2	2	2	2	3	1	2	2	2	2	1	2	1	1	1	1	1	0	1.6	2.5
4-Mar-07	1	1	1	1	A	3	1	2	1	2	2	2	2	1	1	1	2	1	1	1	1	0	3	5	1.6	4.6
5-Mar-07	4	4	5	4	A	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	3	4	3	2.3	4.8
6-Mar-07	2	2	3	3	A	2	3	3	3	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1.8	3.2
7-Mar-07	2	2	1	2	A	3	2	2	4	4	4	5	5	3	3	2	1	0	0	0	2	2	2	1	2.3	5.0
8-Mar-07	0	0	0	0	A	1	0	0	0	0	0	21	18	10	8	8	6	1	0	0	0	0	0	1	3.3	20.8
9-Mar-07	1	0	0	1	A	0	1	2	1	1	1	1	1	1	0	0	0	0	0	1	1	2	3	1	0.8	2.5
10-Mar-07	1	1	1	0	A	0	0	0	0	1	1	1	1	1	1	1	1	7	6	2	2	1	1	1	1.4	7.4
11-Mar-07	0	2	1	0	A	3	9	2	1	2	2	2	1	1	2	2	1	1	1	1	1	0	0	0	1.6	8.9
12-Mar-07	0	1	1	1	A	3	2	3	2	1	1	1	2	1	1	1	0	1	0	0	0	0	0	0	1.0	2.9
13-Mar-07	0	0	0	0	A	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0.4	0.6
14-Mar-07	0	0	1	1	A	1	1	1	2	2	1	2	2	2	1	1	1	2	2	1	3	3	1	1	1.4	3.1
15-Mar-07	1	1	1	0	A	0	0	0	1	1	1	0	0	0	1	1	1	2	0	0	0	0	1	1	0.6	1.6
16-Mar-07	2	1	2	1	A	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.5	2.3
17-Mar-07	2	1	1	1	A	1	2	4	3	2	2	2	1	2	2	2	2	3	1	1	1	1	1	2	1.8	3.9
18-Mar-07	1	1	1	1	A	1	1	1	1	1	1	1	3	2	2	2	2	2	2	1	1	1	1	1	1.3	2.7
19-Mar-07	1	1	1	1	A	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1.7	3.1
20-Mar-07	1	1	1	1	A	2	1	4	4	2	2	2	1	C	C	C	C	A	2	2	2	2	3	2	1.9	4.5
21-Mar-07	2	1	1	0	A	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.4	1.6
22-Mar-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	0.3	0.5
23-Mar-07	0	0	0	0	A	1	1	1	1	2	2	7	16	6	7	2	0	0	3	2	0	0	0	0	2.2	15.8
24-Mar-07	0	0	0	0	A	4	2	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0.6	3.8
25-Mar-07	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.1
26-Mar-07	0	0	0	0	A	0	0	0	0	0	1	0	0	5	9	6	0	0	0	0	0	1	0	0	1.2	8.6
27-Mar-07	0	0	0	0	A	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0.6	1.3
28-Mar-07	1	1	1	1	A	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0.7	1.1
29-Mar-07	0	0	1	1	A	1	1	1	1	1	1	2	1	5	2	2	2	2	1	1	3	1	1	5	1.5	5.3
30-Mar-07	5	1	3	2	A	2	2	2	2	3	6	11	22	16	2	2	1	0	0	0	0	0	1	2	3.7	22.4
31-Mar-07	1	1	1	0	A	0	1	1	2	1	1	0	0	0	0	0	0	12	0	0	0	0	0	0	1.1	12.3
Hourly Avg	1.2	1.0	1.1	1.0	N	1.3	1.4	1.4	1.4	1.4	1.4	2.4	3.1	2.4	2.0	1.6	1.3	1.5	1.2	1.2	1.0	1.0	1.2	1.2		
Hourly Max	5.1	3.7	4.8	4.1	0.0	3.8	8.9	4.3	4.5	4.4	5.7	20.8	22.4	15.6	8.6	7.6	6.2	12.3	7.4	6.3	2.8	3.1	4.4	5.3		

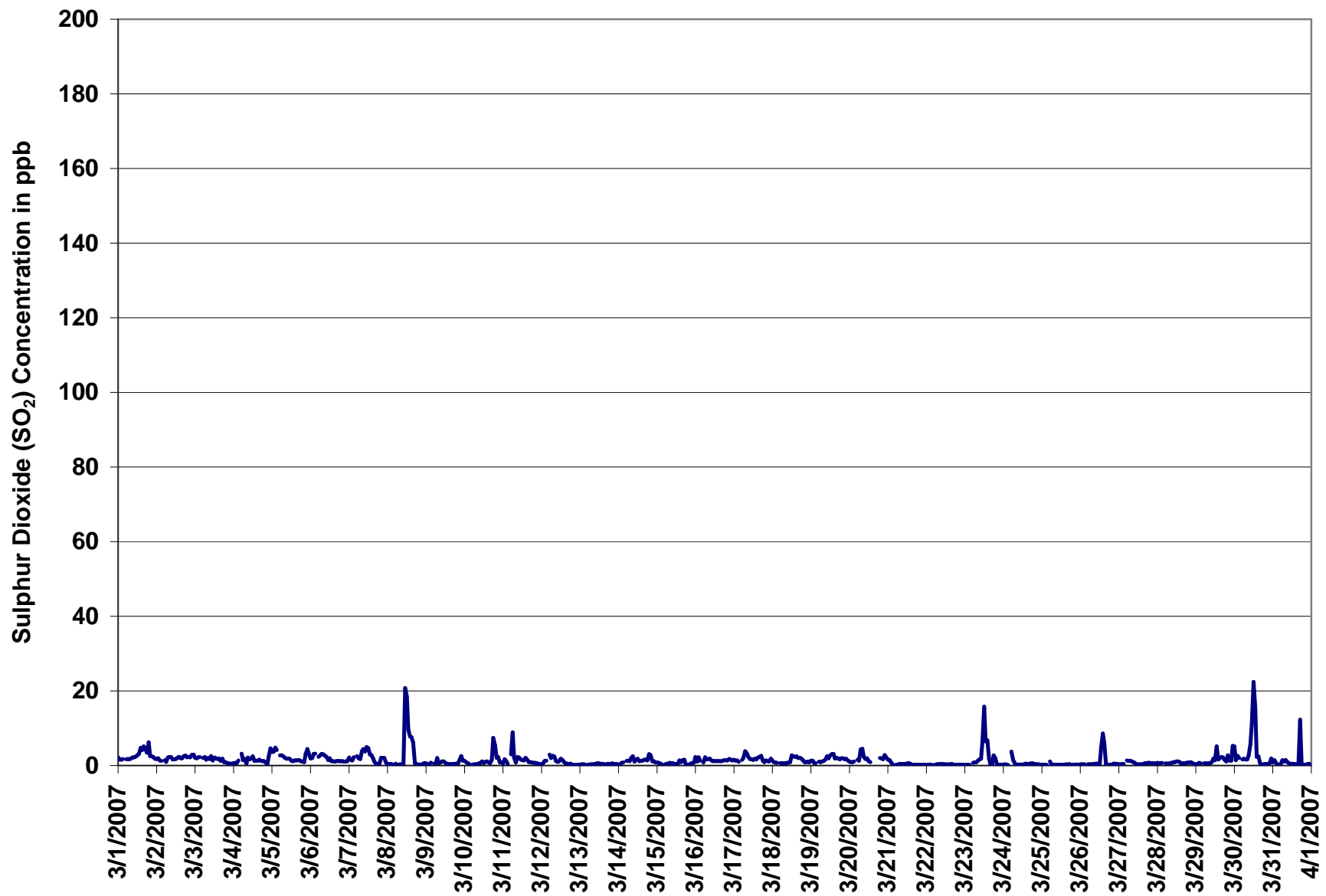
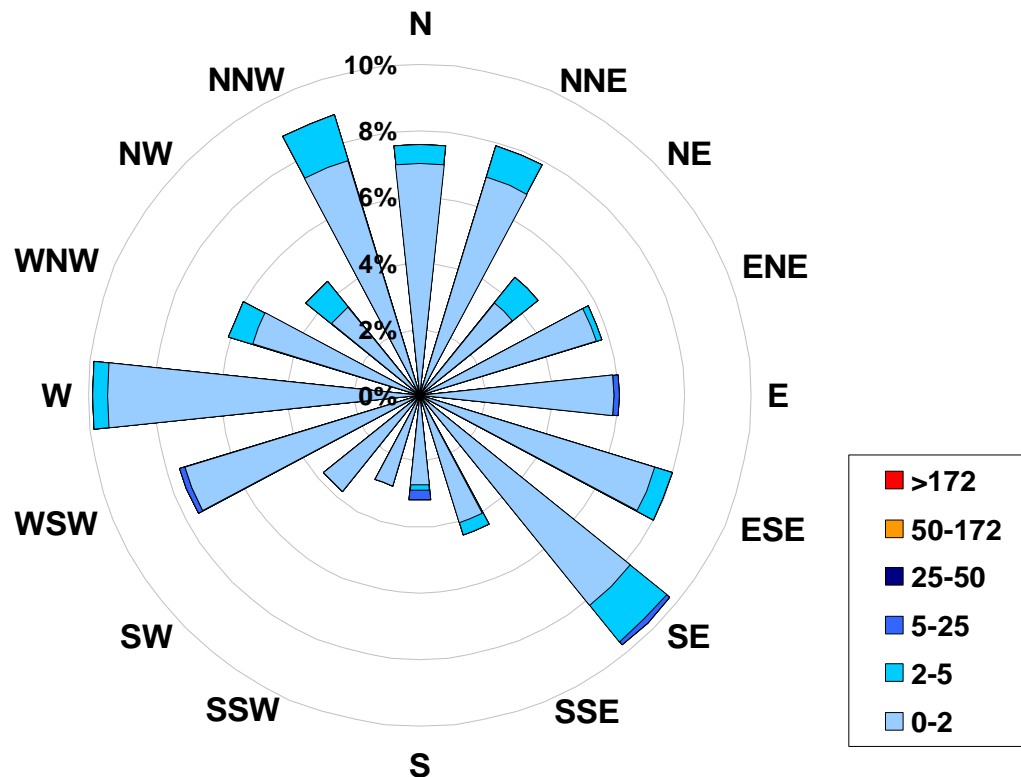


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range			Frequency (hrs)
0.0	<	2	641
2	to	5	62
5	to	25	5
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			708

PASZA – Beaverlodge - Nitrogen Dioxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)

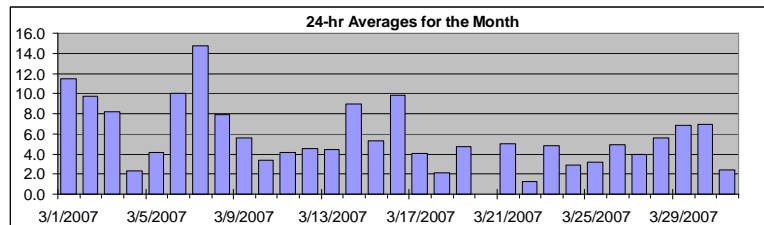
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	32.7	ppb	16-Mar	6:00 7:00
Maximum 24-hr Average:	14.8	ppb	7-Mar	

AIC Time:	32 hrs		Operational Time:	706 hrs					
Calibration Time:	6 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	23.5	16.5	7.5	4.3	2.3	1.1	0.9	5.8 ppb	4.3 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	24	25	20	14	A	8	14	19	19	11	14	12	8	5	5	6	6	7	7	7	10	10	10	6	11.5	24.7
2-Mar-07	6	6	6	12	A	8	8	7	7	6	5	5	5	6	7	8	8	9	16	14	17	18	16	22	9.7	22.1
3-Mar-07	14	16	17	13	A	13	22	20	14	8	6	6	3	3	3	2	2	2	3	4	3	3	6	5	8.2	21.7
4-Mar-07	3	4	5	5	A	4	3	3	1	1	1	1	1	1	2	1	1	2	2	2	3	3	3	2	2.3	5.1
5-Mar-07	2	2	2	2	A	2	4	8	6	4	4	4	3	3	3	3	4	5	6	7	6	5	4	5	4.1	7.7
6-Mar-07	3	6	7	6	A	5	6	10	11	11	8	6	6	5	6	8	12	18	13	20	14	15	19	17	10.0	19.6
7-Mar-07	15	16	14	12	A	23	26	23	19	22	23	23	21	17	16	13	5	4	10	7	9	7	7	7	14.8	26.0
8-Mar-07	7	8	15	14	A	9	4	3	7	3	3	4	4	4	4	5	9	9	16	17	13	8	7	7	7.9	17.2
9-Mar-07	6	5	4	4	A	6	7	16	12	12	8	11	8	3	3	3	2	2	2	3	2	2	3	4	5.6	16.3
10-Mar-07	5	5	3	4	A	4	6	5	3	6	4	6	4	2	2	2	2	2	3	2	2	2	2	2	3.4	6.2
11-Mar-07	2	2	2	2	A	2	5	8	3	3	4	5	4	4	3	5	3	3	4	6	7	9	5	5	4.2	8.6
12-Mar-07	7	8	4	4	A	6	4	7	13	8	4	6	3	5	3	3	2	1	1	5	5	1	2	3	4.5	13.2
13-Mar-07	1	1	2	2	A	5	4	8	7	5	6	4	3	3	3	1	2	9	10	8	7	6	4	3	4.4	9.6
14-Mar-07	2	2	2	10	A	7	15	32	21	9	5	3	3	3	3	4	5	9	15	8	10	13	12	13	9.0	32.2
15-Mar-07	14	16	11	6	A	5	4	4	3	5	9	7	4	3	1	2	2	5	4	4	4	5	2	2	5.3	16.4
16-Mar-07	3	5	8	12	A	13	33	28	21	19	9	5	4	4	6	3	3	4	4	6	8	7	12	7	9.8	32.7
17-Mar-07	5	11	9	8	A	6	6	5	4	3	2	2	2	2	2	2	2	3	2	3	4	4	2	3	4.0	10.7
18-Mar-07	2	3	3	4	A	2	3	2	2	2	1	1	1	1	1	2	4	4	2	2	1	1	1	1	2.1	3.9
19-Mar-07	1	1	2	1	A	2	2	3	2	3	4	4	4	5	4	4	3	6	14	9	8	10	8	8	4.7	13.9
20-Mar-07	9	9	11	14	A	11	20	10	9	C	C	C	C	C	C	A	1	1	3	6	10	4	4	9	N	20.3
21-Mar-07	12	5	5	2	A	4	10	10	9	6	9	6	7	6	6	2	2	4	3	3	2	1	1	1	5.0	11.6
22-Mar-07	1	1	1	1	A	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	2	1.2	2.1
23-Mar-07	2	2	3	3	A	10	11	11	11	7	8	4	6	6	2	2	2	3	3	2	3	2	2	2	4.8	11.3
24-Mar-07	1	1	1	1	A	3	3	3	2	5	4	3	2	1	2	4	4	3	2	3	8	3	4	3	2.9	7.5
25-Mar-07	2	2	3	4	A	13	7	5	5	3	2	1	1	1	1	1	1	1	2	2	4	4	4	3	3.1	13.1
26-Mar-07	2	2	2	2	A	4	4	8	7	7	7	6	3	3	4	4	5	5	6	6	6	6	8	6	4.9	8.1
27-Mar-07	5	4	4	4	A	3	5	9	7	7	6	2	1	2	2	1	2	1	3	2	2	7	8	4	4.0	8.6
28-Mar-07	4	4	3	2	A	4	7	5	4	3	3	4	5	5	5	3	3	8	8	17	8	6	8	7	5.6	16.7
29-Mar-07	5	6	5	5	A	7	8	10	7	7	7	6	3	2	2	7	10	7	11	11	12	6	5	6	6.8	12.4
30-Mar-07	6	5	5	9	A	9	8	10	16	14	17	17	12	8	6	5	2	2	1	1	1	1	1	1	6.9	17.1
31-Mar-07	2	3	2	1	A	3	5	8	9	3	4	2	1	1	1	1	1	1	1	1	1	1	1	4	2.4	8.7
Hourly Avg	5.6	6.1	5.8	5.8	N	6.5	8.6	9.6	8.5	6.8	6.3	5.6	4.3	3.9	3.8	3.7	3.6	4.5	5.8	6.1	6.1	5.6	5.6	5.5		
Hourly Max	23.9	24.7	19.8	14.3	0.0	22.9	32.7	32.2	21.5	22.4	23.5	23.2	20.8	16.5	15.6	13.5	11.6	17.6	16.4	19.6	17.2	18.2	18.9	22.1		

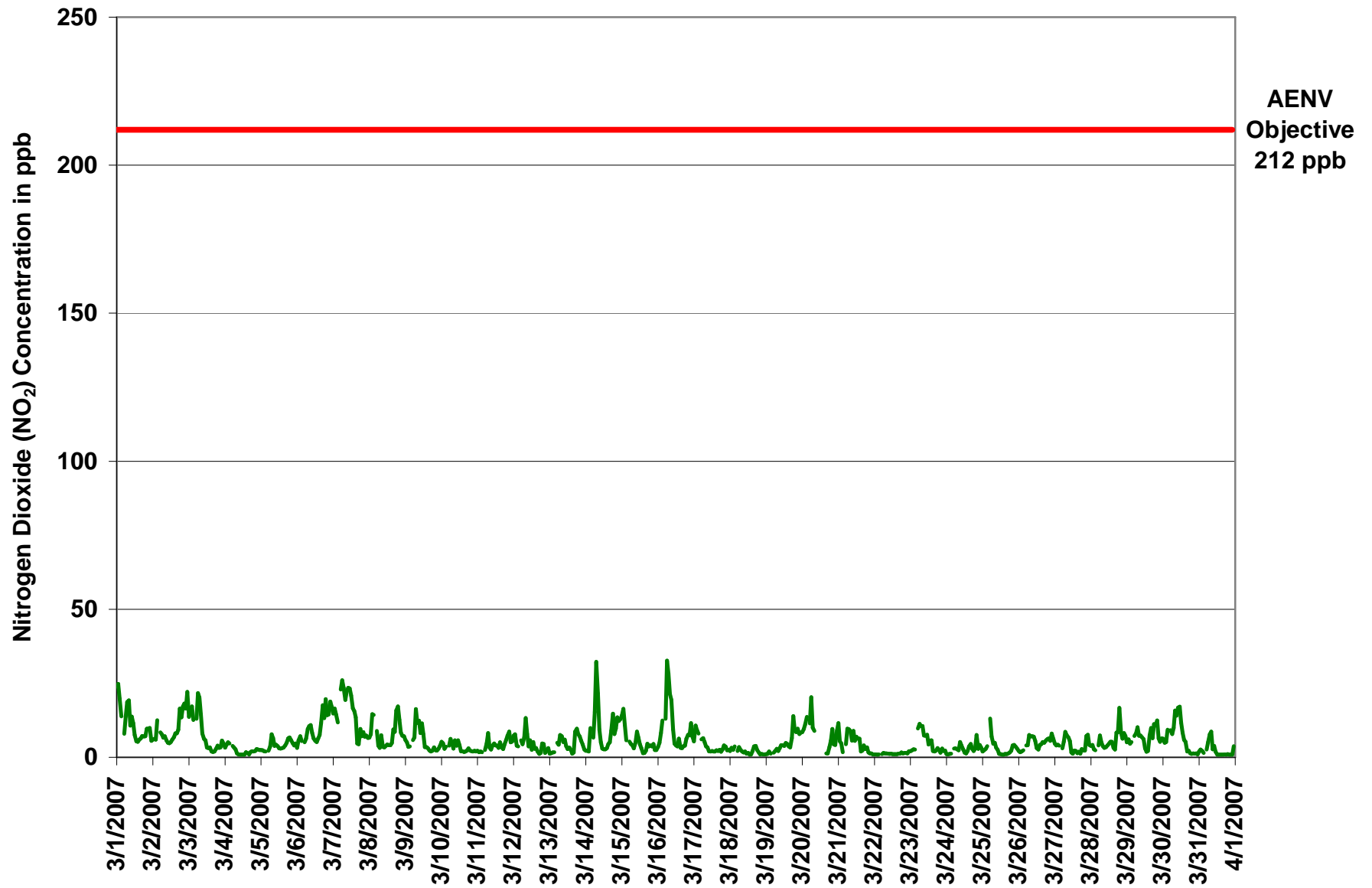


Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

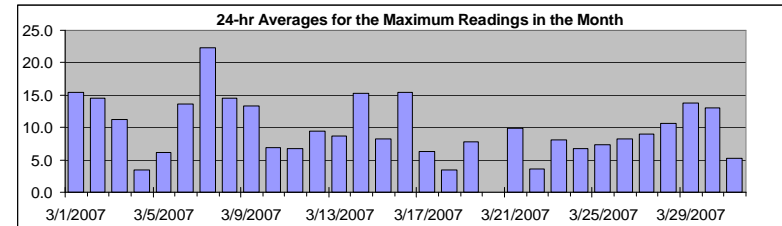
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

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

Summary

Maximum 1-hr Value:	50.0	ppb	16-Mar	6:00 7:00
Maximum 24-hr Value:	22.4	ppb	7-Mar	



AIC Time:	32 hrs	Operational Time:	706 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	41.9	28.8	12.9	7.0	4.6	2.0	1.0	10.1 ppb	7.0 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	30	29	26	21	A	11	25	25	22	17	19	17	12	6	6	7	8	9	9	9	13	14	13	7	15.5	30.3
2-Mar-07	7	7	10	17	A	15	22	18	13	13	6	5	6	7	8	14	15	20	20	15	25	23	24	26	14.6	26.0
3-Mar-07	15	22	22	14	A	21	34	28	22	10	9	7	5	4	4	3	2	3	5	6	4	5	7	7	11.2	34.2
4-Mar-07	6	8	6	6	A	5	4	4	2	2	1	2	1	1	2	2	2	2	4	3	4	5	6	3	3.4	7.9
5-Mar-07	3	3	3	3	A	7	6	16	14	6	6	6	4	3	4	5	5	7	8	9	7	6	6	6	6.2	15.7
6-Mar-07	5	7	8	7	A	6	8	11	14	13	11	9	7	6	8	9	14	21	16	32	31	21	28	21	13.6	31.9
7-Mar-07	18	19	19	16	A	43	33	28	38	32	27	36	33	27	29	26	6	5	18	18	13	10	12	8	22.4	42.8
8-Mar-07	11	11	32	21	A	17	17	7	19	10	6	9	8	9	6	10	13	17	26	29	20	14	12	11	14.5	32.0
9-Mar-07	11	11	6	7	A	9	35	47	32	17	23	24	16	6	8	7	7	4	5	6	6	3	13	6	13.4	47.1
10-Mar-07	7	6	7	6	A	7	21	11	6	20	8	13	7	3	6	3	4	5	4	3	3	3	3	3	6.9	21.0
11-Mar-07	3	2	2	3	A	10	17	17	5	4	5	7	6	6	5	8	4	3	8	8	10	11	6	6	6.7	16.9
12-Mar-07	12	9	7	6	A	9	6	11	37	16	8	12	5	14	6	6	7	3	4	14	11	5	5	4	9.5	36.7
13-Mar-07	4	3	5	4	A	13	13	13	12	11	9	7	6	8	8	3	4	13	13	16	12	8	10	7	8.7	15.5
14-Mar-07	4	3	3	25	A	41	43	42	31	14	9	4	4	3	4	6	7	17	21	13	12	17	17	14	15.2	43.0
15-Mar-07	17	18	15	8	A	8	11	8	4	7	11	8	6	6	3	4	6	10	9	10	5	6	6	4	8.3	17.9
16-Mar-07	5	5	11	14	A	19	50	42	40	32	15	9	7	5	9	6	4	5	4	11	12	12	20	16	15.4	50.0
17-Mar-07	10	19	15	10	A	7	8	7	5	5	3	3	3	3	2	3	3	4	2	8	9	8	4	4	6.3	18.9
18-Mar-07	3	6	5	6	A	3	6	4	3	2	3	2	2	1	2	5	6	6	4	3	2	2	2	2	3.4	6.5
19-Mar-07	2	4	8	2	A	3	3	5	5	5	6	7	6	7	7	4	4	11	22	16	18	13	12	11	7.8	21.8
20-Mar-07	12	14	22	32	A	34	37	24	19	C	C	C	C	C	C	A	4	5	6	8	22	6	8	26	N	36.9
21-Mar-07	20	8	9	4	A	9	22	13	16	10	16	13	11	11	11	8	6	9	8	9	6	5	4	2	9.9	21.7
22-Mar-07	2	2	1	3	A	2	3	4	3	3	2	7	3	3	3	3	3	4	5	3	5	5	5	6	3.6	7.5
23-Mar-07	8	6	3	5	A	13	17	13	16	10	9	10	6	9	10	5	5	6	8	9	4	6	5	5	8.1	17.2
24-Mar-07	2	4	4	4	A	10	11	5	4	7	9	5	5	3	5	8	9	6	5	7	19	5	7	8	6.7	19.4
25-Mar-07	3	3	4	5	A	37	19	8	9	5	5	4	2	2	3	5	3	5	5	5	14	8	7	9	7.3	37.0
26-Mar-07	3	3	3	5	A	7	7	14	10	13	13	10	4	4	7	7	11	10	14	9	10	6	12	10	8.3	14.5
27-Mar-07	6	6	5	6	A	4	17	19	21	14	10	5	3	5	6	4	4	2	5	4	4	28	23	6	9.0	28.4
28-Mar-07	5	6	4	3	A	12	15	12	6	5	5	6	7	9	8	5	5	16	30	49	12	8	12	9	10.7	48.8
29-Mar-07	7	10	7	8	A	10	16	18	10	12	10	8	5	3	6	25	14	14	38	28	26	26	8	9	13.8	38.1
30-Mar-07	8	7	6	21	A	13	15	21	29	20	43	36	23	13	8	8	3	5	4	4	4	3	3	2	13.0	42.7
31-Mar-07	6	6	5	3	A	6	7	13	34	6	8	2	2	2	1	1	1	2	1	2	1	1	1	11	5.2	34.1
Hourly Avg	8.2	8.5	9.1	9.4	N	13.2	17.7	16.4	16.1	11.3	10.4	9.8	7.1	6.3	6.4	7.0	6.1	8.0	10.6	11.7	11.1	9.4	9.7	8.6		
Hourly Max	30.3	29.0	32.0	32.1	0.0	42.8	50.0	47.1	40.1	32.4	42.7	36.4	32.9	27.0	28.8	26.3	14.6	20.9	38.1	48.8	31.4	28.4	27.7	26.0		

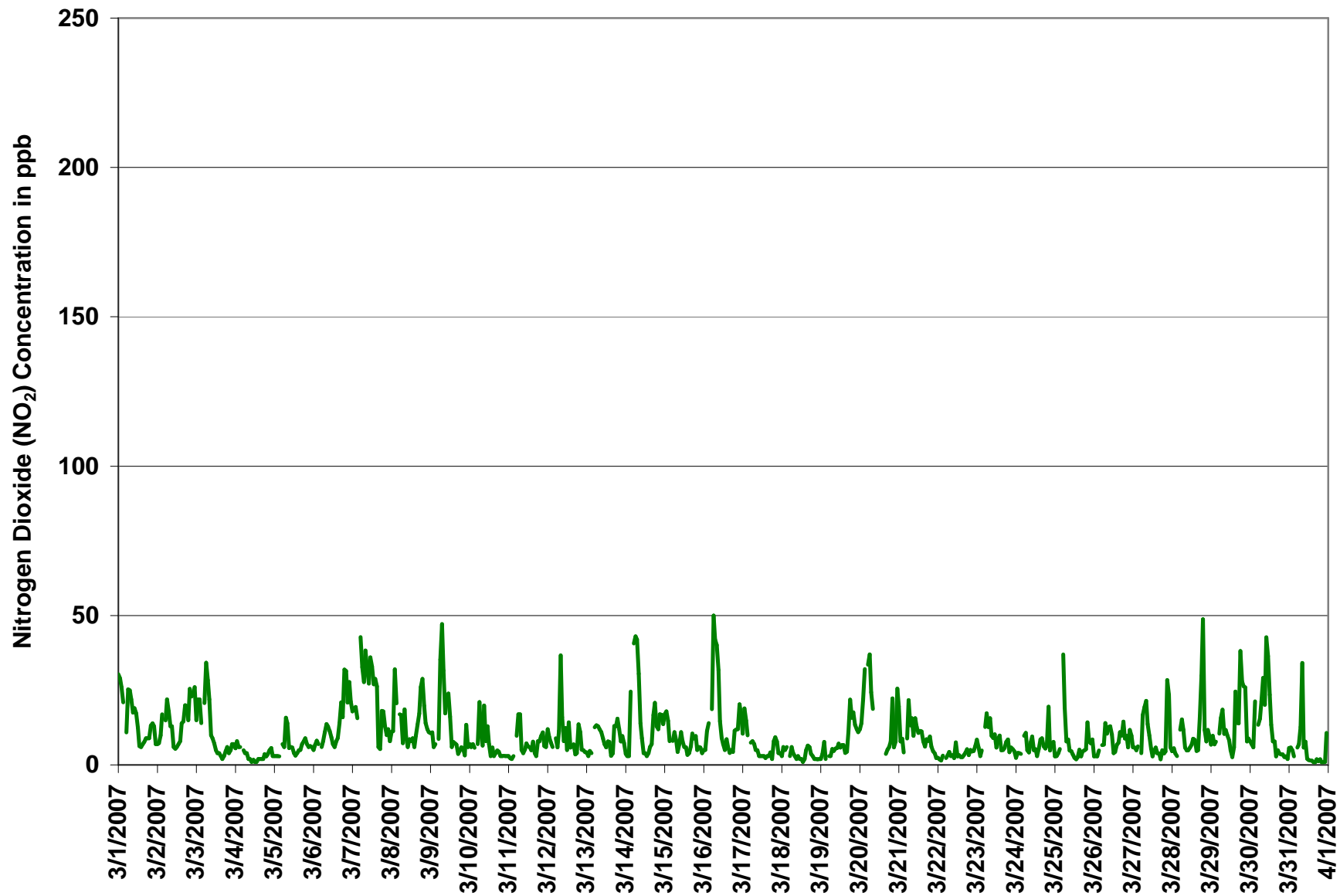
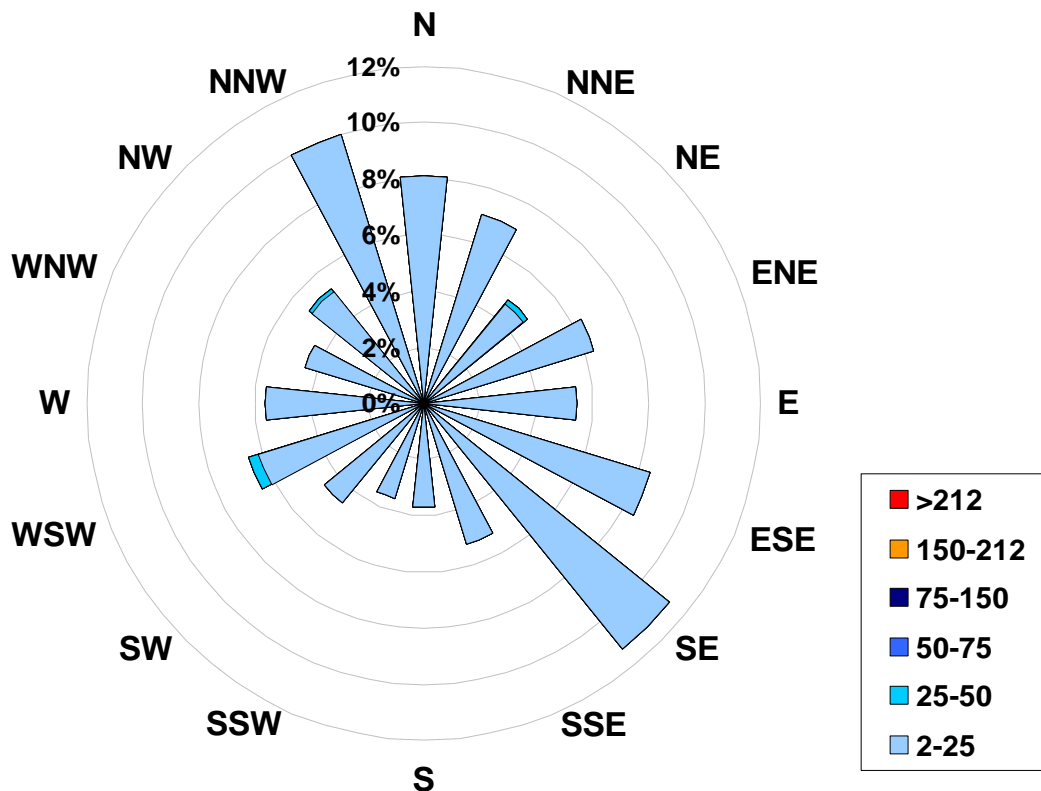


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	< 25		701
25	to 50		5
50	to 75		0
75	to 150		0
150	to 212		0
	> 212		0
Total Non-Zero Values			706

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Nitric Oxide (NO)

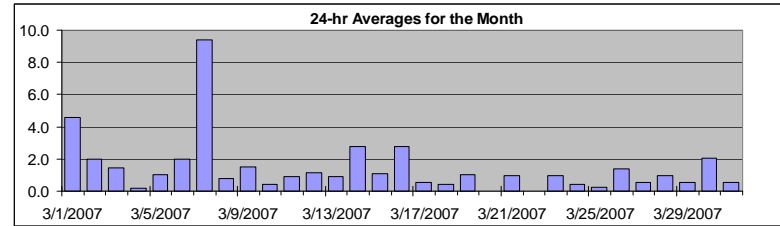
Monitoring Dates: March 1, 2007 to April 1, 2007

Guideline Limit:

1-hr	na	ppb	24-hr	na	ppb
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 Summary

Maximum 1-hr Average:	46.6	ppb	7-Mar	11:00 12:00
Maximum 24-hr Average:	9.4	ppb	7-Mar	



AIC Time:	32 hrs	Operational Time:	706 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	14.7	5.8	1.6	0.0	0.0	0.0	0.0	1.4 ppb	0.0 ppb

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

Day	Mountain Standard Time																								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-Mar-07	3	1	0	0	A	0	1	2	11	11	26	20	10	6	5	5	3	2	0	0	0	0	0	0	0	4.6	26.4
2-Mar-07	0	0	0	0	A	0	0	0	2	4	4	5	6	7	7	6	4	2	1	0	0	0	0	0	0	2.0	6.8
3-Mar-07	0	0	0	0	A	0	2	1	5	6	5	5	2	2	3	1	1	0	0	0	0	0	0	0	0	1.4	6.1
4-Mar-07	0	0	0	0	A	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0.2	1.1
5-Mar-07	0	0	0	0	A	0	0	1	1	2	4	4	3	2	2	2	2	1	0	0	0	0	0	0	0	1.0	3.6
6-Mar-07	0	0	0	0	A	0	0	0	2	5	6	5	5	3	4	4	5	6	0	0	0	0	0	0	0	2.0	5.8
7-Mar-07	0	0	0	0	A	4	2	2	12	34	44	47	37	18	14	5	0	0	0	0	0	0	0	0	0	9.4	46.6
8-Mar-07	0	0	1	0	A	0	0	0	1	0	1	2	3	2	2	2	3	1	0	0	0	0	0	0	0	0.8	3.3
9-Mar-07	0	0	0	0	A	0	0	2	2	7	7	9	5	1	1	0	0	0	0	0	0	0	0	0	0	1.5	9.3
10-Mar-07	0	0	0	0	A	0	0	0	0	2	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0.4	3.6
11-Mar-07	0	0	0	0	A	0	0	0	0	1	3	4	4	3	2	3	1	0	0	0	0	0	0	0	0	0.9	4.4
12-Mar-07	0	0	0	0	A	0	0	0	7	5	2	5	1	2	1	2	1	0	0	0	0	0	0	0	0	1.1	7.2
13-Mar-07	0	0	0	0	A	0	0	0	2	3	5	3	2	2	1	0	0	2	1	0	0	0	0	0	0	0.9	5.0
14-Mar-07	0	0	0	0	A	1	4	12	13	5	4	3	3	3	3	4	3	4	2	0	0	0	0	0	0	2.8	12.9
15-Mar-07	0	0	0	0	A	0	0	0	0	2	8	7	4	2	0	0	0	1	0	0	0	0	0	0	0	1.1	7.9
16-Mar-07	0	0	0	0	A	0	15	6	10	14	6	3	2	2	4	1	1	0	0	0	0	0	0	0	0	2.8	14.7
17-Mar-07	0	0	0	0	A	0	0	0	1	2	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0.6	1.9
18-Mar-07	0	0	0	0	A	0	0	0	1	1	2	1	1	0	0	1	2	1	0	0	0	0	0	0	0	0.4	2.0
19-Mar-07	0	0	0	0	A	0	0	0	0	1	3	3	3	4	3	2	1	2	2	0	0	0	0	0	0	1.0	4.3
20-Mar-07	0	0	0	0	A	1	2	1	3	C	C	C	C	C	C	A	0	0	0	0	0	0	0	0	0	N	3.0
21-Mar-07	0	0	0	0	A	0	0	1	2	2	4	3	4	3	3	0	0	0	0	0	0	0	0	0	0	0.9	3.8
22-Mar-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	0.2
23-Mar-07	0	0	0	0	A	0	0	0	2	2	4	5	2	3	2	0	0	0	0	0	0	0	0	0	0	0.9	4.8
24-Mar-07	0	0	0	0	A	0	0	0	0	3	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0.4	2.7
25-Mar-07	0	0	0	0	A	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.6
26-Mar-07	0	0	0	0	A	0	0	1	3	4	6	5	2	2	2	2	2	1	1	0	0	0	0	0	0	1.4	5.9
27-Mar-07	0	0	0	0	A	0	0	1	2	3	3	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0.5	3.5
28-Mar-07	0	0	0	0	A	0	0	1	1	2	2	3	3	3	3	1	0	2	0	1	0	0	0	0	0	1.0	3.4
29-Mar-07	0	0	0	0	A	0	0	1	1	2	2	2	1	0	0	2	2	0	1	0	0	0	0	0	0	0.6	2.3
30-Mar-07	0	0	0	0	A	0	0	1	4	7	10	12	6	3	1	1	0	0	0	0	0	0	0	0	0	2.0	12.2
31-Mar-07	0	0	0	0	A	0	0	1	5	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5.0
Hourly Avg	0.1	0.0	0.0	0.0	N	0.2	0.8	1.1	3.1	4.4	5.6	5.4	3.8	2.6	2.2	1.6	1.1	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0		
Hourly Max	2.6	0.8	0.5	0.1	0.0	3.9	14.7	12.0	12.9	33.8	43.6	46.6	36.6	17.7	13.6	5.9	4.8	5.6	2.1	0.7	0.0	0.0	0.0	0.0	0.0		

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

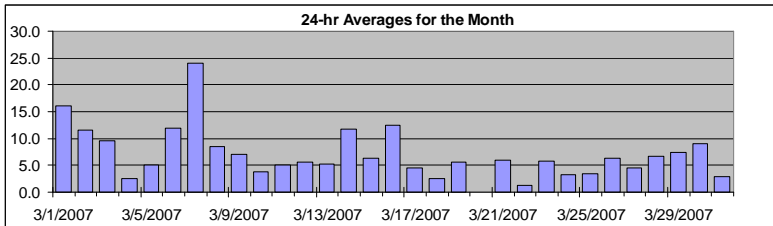
Oxides of Nitrogen (NO_x)

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

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

Maximum 1-hr Average:	69.6	ppb	7-Mar	11:00 12:00
Maximum 24-hr Average:	24.1	ppb	7-Mar	

AIC Time:	32 hrs	Operational Time:	706 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	34.3	19.5	9.1	5.2	2.5	1.1	0.9	7.2 ppb	5.2 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	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-Mar-07	26	26	20	14	A	8	14	20	31	21	40	32	17	11	10	11	10	9	7	7	10	9	10	5	16.0	40.1	
2-Mar-07	6	6	6	12	A	8	8	7	9	9	9	10	11	13	14	14	12	11	17	13	17	18	16	22	11.6	21.9	
3-Mar-07	13	16	17	12	A	13	24	21	19	14	11	11	5	5	6	3	2	2	3	4	3	3	6	5	9.5	23.8	
4-Mar-07	3	4	5	5	A	4	3	3	1	1	1	1	2	2	3	2	2	2	2	2	2	3	2	2	2	2.5	4.9
5-Mar-07	2	2	2	2	A	2	4	8	8	5	8	7	6	5	5	6	6	6	7	6	6	4	4	4	5.1	8.2	
6-Mar-07	3	6	7	5	A	5	6	10	13	16	14	12	10	9	10	11	16	23	14	19	14	14	19	17	11.9	23.1	
7-Mar-07	15	16	14	12	A	27	28	25	31	56	67	70	57	34	29	18	5	4	10	7	8	7	7	6	24.1	69.6	
8-Mar-07	6	8	15	14	A	9	4	3	8	4	4	5	7	6	6	7	13	10	16	17	12	8	7	7	8.6	17.0	
9-Mar-07	6	5	3	4	A	6	7	19	14	19	15	21	13	5	4	4	2	2	2	3	2	2	3	3	7.1	20.8	
10-Mar-07	5	4	3	3	A	4	6	5	3	8	5	9	6	3	2	2	2	2	3	2	2	2	2	2	3.7	9.4	
11-Mar-07	2	2	2	1	A	2	4	8	4	4	7	9	8	7	5	8	4	3	4	6	7	8	5	5	5.0	9.1	
12-Mar-07	7	8	4	4	A	6	4	7	20	13	6	11	4	8	4	5	3	1	1	5	4	1	2	3	5.6	20.4	
13-Mar-07	1	1	1	2	A	5	4	8	9	8	11	6	5	5	4	1	2	11	10	8	7	5	4	2	5.2	11.0	
14-Mar-07	2	2	2	10	A	8	19	44	34	14	9	6	6	5	6	9	8	13	17	8	9	13	12	13	11.7	44.1	
15-Mar-07	14	16	11	6	A	5	4	4	4	7	17	14	8	5	2	2	3	5	4	4	3	4	2	2	6.3	16.6	
16-Mar-07	3	5	8	12	A	13	47	34	31	34	15	7	6	6	10	4	4	4	4	6	7	7	11	7	12.5	47.2	
17-Mar-07	5	11	9	8	A	6	6	5	5	5	4	3	4	4	3	4	3	3	2	2	4	3	2	2	4.5	10.5	
18-Mar-07	2	3	2	4	A	2	3	2	2	3	4	3	3	1	1	4	6	5	3	1	1	1	1	1	2.5	5.8	
19-Mar-07	1	1	2	1	A	1	2	3	2	4	7	7	7	9	8	5	4	8	16	9	8	9	8	8	5.7	15.7	
20-Mar-07	8	9	11	14	A	12	22	11	10	C	C	C	C	C	C	A	2	2	4	6	10	4	4	9	N	21.9	
21-Mar-07	12	5	5	2	A	4	10	10	11	8	13	9	11	9	9	2	3	5	3	3	2	1	1	1	6.0	12.7	
22-Mar-07	1	1	1	1	A	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	2	1.3	2.0	
23-Mar-07	2	2	2	2	A	10	11	11	13	10	12	13	7	9	8	3	2	3	3	2	1	3	2	2	5.8	12.6	
24-Mar-07	1	1	1	1	A	3	3	3	3	8	6	4	2	2	3	5	6	3	2	3	8	3	4	3	3.3	8.0	
25-Mar-07	2	2	2	3	A	14	7	5	7	5	4	2	1	1	1	1	1	1	2	2	4	4	3	3	3.4	13.6	
26-Mar-07	2	1	2	2	A	4	4	9	10	12	13	11	5	4	7	7	8	6	6	6	6	5	8	6	6.3	13.1	
27-Mar-07	4	4	4	4	A	3	5	10	9	9	9	2	2	3	3	2	2	1	3	2	2	7	8	4	4.5	9.7	
28-Mar-07	4	4	3	2	A	4	7	6	5	5	6	7	8	9	8	4	3	10	9	18	8	6	8	7	6.6	17.7	
29-Mar-07	5	6	4	5	A	7	8	11	8	9	8	8	4	2	2	10	12	7	12	11	12	6	5	6	7.5	12.5	
30-Mar-07	6	5	5	9	A	9	8	11	20	22	28	30	18	12	7	7	2	2	1	1	1	1	1	1	9.0	29.7	
31-Mar-07	2	3	2	1	A	3	5	9	14	4	7	3	1	1	1	1	1	1	1	1	1	1	1	3	2.9	13.9	
Hourly Avg	5.6	5.9	5.6	5.7	N	6.6	9.4	10.8	11.6	11.3	12.0	11.1	8.2	6.5	6.1	5.4	4.8	5.4	6.1	6.0	6.0	5.4	5.5	5.3			
Hourly Max	26.5	25.5	20.0	14.2	0.0	26.8	47.2	44.1	34.3	56.0	67.0	69.6	57.3	34.1	29.2	18.0	16.3	23.1	17.2	19.5	17.1	17.9	18.8	21.9			

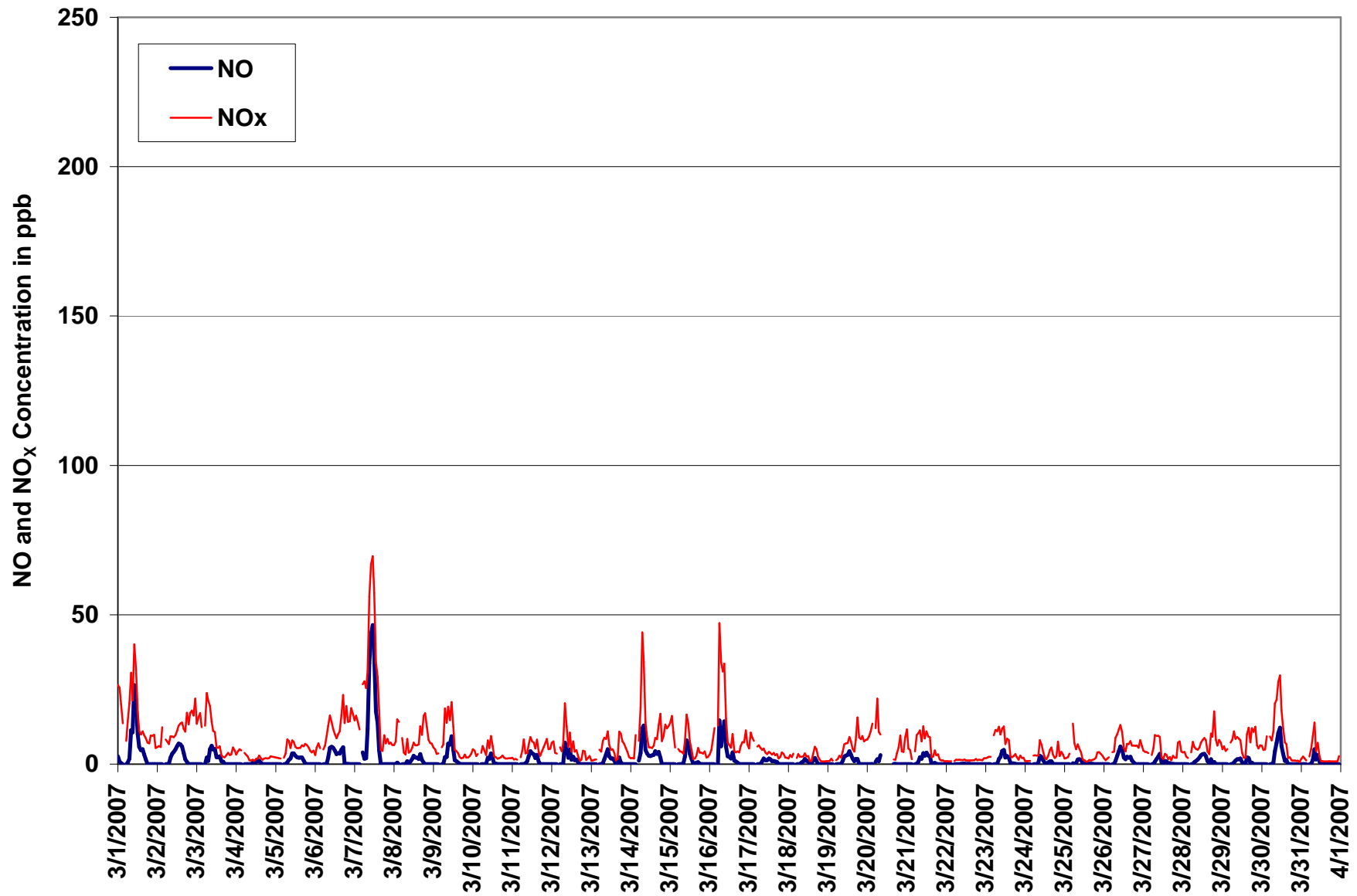


Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

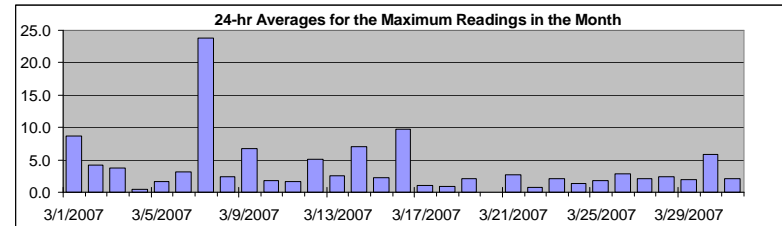
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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

Summary

Maximum 1-hr Value:	102.2	ppb	7-Mar	11:00 12:00
Maximum 24-hr Value:	23.8	ppb	7-Mar	



AIC Time:	32 hrs	Operational Time:	706 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	53.3	14.7	4.0	0.9	0.0	0.0	0.0	3.8 ppb	0.9 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum
1-Mar-07	8	6	1	1	A	0	13	6	20	26	41	30	21	7	6	6	5	2	1	0	0	0	0	0	8.7	40.9
2-Mar-07	0	0	0	1	A	0	1	7	9	10	6	7	7	8	8	11	11	5	2	0	4	0	0	0	4.2	11.3
3-Mar-07	0	0	0	0	A	0	29	5	7	10	9	8	5	4	4	2	2	1	1	0	0	0	0	0	3.7	28.7
4-Mar-07	0	0	0	0	A	0	0	0	0	1	1	1	1	1	2	1	1	0	0	0	0	0	1	0	0.4	2.0
5-Mar-07	0	0	0	0	A	0	0	3	3	2	6	5	4	3	3	4	3	2	1	0	0	0	0	0	1.6	5.9
6-Mar-07	0	0	0	0	A	0	0	1	3	8	8	8	7	4	6	4	7	9	2	1	3	0	2	1	3.2	8.9
7-Mar-07	0	0	0	0	A	37	18	8	67	76	61	102	94	37	29	17	0	0	1	0	0	0	0	0	23.8	102.2
8-Mar-07	0	0	6	1	A	0	0	0	5	2	3	8	7	6	4	4	6	4	1	0	0	0	0	0	2.4	7.9
9-Mar-07	0	0	0	0	A	0	2	54	14	15	26	22	12	3	3	1	2	0	1	0	0	0	0	0	6.7	53.9
10-Mar-07	0	0	0	0	A	0	0	1	2	13	5	11	5	1	1	1	1	1	0	0	0	1	0	0	1.8	12.9
11-Mar-07	0	0	0	0	A	0	0	0	1	2	5	8	6	6	4	5	1	0	0	0	0	0	0	0	1.6	7.6
12-Mar-07	0	0	0	0	A	0	0	1	59	13	6	13	4	7	3	5	5	1	1	0	1	0	0	0	5.1	59.2
13-Mar-07	1	0	0	0	A	2	2	2	3	7	9	6	5	5	6	1	1	6	2	0	0	0	0	0	2.5	8.9
14-Mar-07	0	0	0	2	A	19	24	29	28	9	6	4	4	4	5	7	5	10	6	0	0	0	0	0	7.0	29.1
15-Mar-07	0	0	0	0	A	0	1	0	1	5	12	9	6	5	2	2	3	4	1	1	0	0	0	0	2.2	11.9
16-Mar-07	0	0	0	0	A	11	73	34	30	38	9	6	7	4	6	4	1	1	0	0	0	0	0	0	9.8	73.5
17-Mar-07	0	0	0	0	A	0	0	1	2	3	3	2	3	2	2	2	2	2	0	0	0	0	0	0	1.0	3.3
18-Mar-07	0	0	0	0	A	0	0	0	1	2	2	2	3	1	1	4	4	2	1	0	0	0	0	0	1.0	3.9
19-Mar-07	0	1	0	0	A	0	0	0	2	3	4	7	5	6	6	2	2	3	5	1	1	0	0	0	2.0	6.6
20-Mar-07	0	0	1	3	A	11	24	4	9	C	C	C	C	C	C	A	1	2	1	0	0	0	0	0	N	23.6
21-Mar-07	0	0	0	0	A	0	6	4	6	3	8	8	7	7	7	3	2	2	1	0	0	1	0	0	2.8	8.0
22-Mar-07	0	1	0	0	A	0	1	1	1	1	1	5	1	2	2	1	1	1	1	0	0	0	0	0	0.8	4.6
23-Mar-07	0	0	0	0	A	0	0	1	3	5	8	9	3	5	5	2	2	2	1	0	0	0	0	1	2.0	9.0
24-Mar-07	0	0	0	0	A	0	0	1	2	5	7	4	2	1	2	3	3	1	0	0	0	0	0	0	1.3	7.0
25-Mar-07	0	0	0	0	A	17	0	2	4	3	3	2	2	1	2	3	1	2	1	0	0	0	0	0	1.9	16.6
26-Mar-07	0	0	0	0	A	0	0	3	4	9	14	11	3	3	4	4	7	3	2	0	0	0	0	0	2.9	14.0
27-Mar-07	0	0	0	0	A	0	1	5	7	6	9	4	2	4	4	2	2	0	1	0	0	1	1	0	2.1	8.9
28-Mar-07	0	0	0	0	A	0	1	6	2	3	3	5	6	7	5	2	2	5	3	7	0	0	0	0	2.4	7.1
29-Mar-07	0	0	0	0	A	0	0	1	2	5	3	3	1	0	2	15	4	3	6	0	0	0	0	0	1.9	15.0
30-Mar-07	0	0	0	0	A	0	1	5	9	10	42	35	18	9	2	3	0	1	0	0	0	0	0	0	5.9	42.2
31-Mar-07	0	0	0	0	A	0	0	3	31	5	7	1	1	0	0	0	0	0	0	0	0	0	0	0	2.1	30.7
Hourly Avg	0.3	0.3	0.3	0.2	N	3.1	6.3	6.0	10.8	10.0	10.9	11.4	8.3	5.1	4.5	4.0	2.7	2.3	1.4	0.3	0.3	0.1	0.1	0.1		
Hourly Max	7.9	5.9	5.9	2.7	0.0	36.7	73.5	53.9	67.1	75.8	60.9	102.2	93.8	37.3	29.3	16.8	10.9	9.9	5.6	7.1	3.7	1.0	1.8	1.0		

Station: Beaverlodge
 Station Owner: PASZA

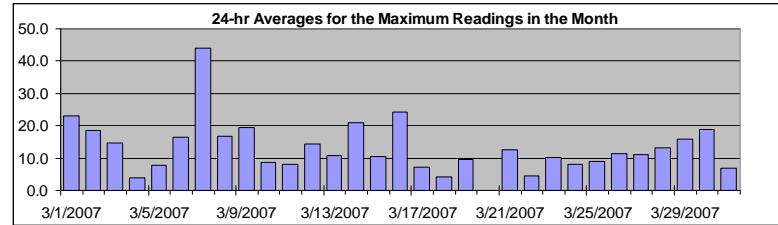
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

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

Summary

Maximum 1-hr Value:	134.8	ppb	7-Mar	11:00 12:00
Maximum 24-hr Value:	44.1	ppb	7-Mar	



AIC Time:	32 hrs	Operational Time:	706 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	86.1	39.7	16.2	8.9	5.3	2.5	1.4	13.6 ppb	8.9 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	38	32	28	22	A	11	38	30	39	34	58	46	33	13	12	13	12	11	9	9	13	14	13	7	23.1	58.1
2-Mar-07	7	7	10	17	A	15	23	25	22	22	11	12	13	15	16	25	25	25	21	15	28	23	23	26	18.4	28.3
3-Mar-07	15	22	22	14	A	21	59	34	28	19	18	15	9	8	8	4	3	4	5	6	4	5	7	7	14.6	59.1
4-Mar-07	5	8	6	6	A	5	4	4	3	3	2	3	2	2	4	3	2	2	4	2	3	5	6	3	3.8	7.9
5-Mar-07	3	3	3	2	A	7	6	18	17	8	12	11	7	6	7	10	8	8	8	9	7	6	6	6	7.6	18.1
6-Mar-07	5	6	8	7	A	6	8	11	17	21	20	16	13	10	14	13	20	30	17	33	35	21	30	21	16.4	34.5
7-Mar-07	18	19	19	16	A	65	49	33	96	106	86	135	126	63	52	42	6	5	19	18	13	10	12	8	44.1	134.8
8-Mar-07	11	11	37	21	A	17	17	8	24	12	10	16	15	15	10	14	18	21	26	29	20	14	12	11	16.8	37.1
9-Mar-07	10	11	6	7	A	9	36	99	46	31	45	45	27	8	10	8	9	4	5	6	5	3	13	5	19.4	98.6
10-Mar-07	6	6	7	6	A	7	21	11	8	33	12	24	12	4	7	4	5	5	5	3	3	3	3	3	8.5	32.8
11-Mar-07	3	2	2	3	A	9	17	17	6	5	10	15	11	12	9	12	5	3	8	8	9	10	6	6	8.1	16.8
12-Mar-07	12	9	7	6	A	9	6	12	96	29	13	25	9	21	8	11	12	3	4	13	11	5	5	4	14.3	95.6
13-Mar-07	5	3	4	4	A	15	15	14	14	18	18	12	10	13	12	3	6	18	14	15	12	7	10	7	10.8	18.2
14-Mar-07	4	3	2	24	A	55	59	65	56	23	15	8	8	7	9	13	11	26	23	13	12	17	17	13	20.9	64.6
15-Mar-07	17	18	14	8	A	8	12	8	6	11	23	17	12	11	5	6	9	14	10	10	5	6	6	4	10.3	22.8
16-Mar-07	5	5	11	14	A	28	113	76	68	65	23	16	14	9	15	10	5	6	4	11	12	12	20	16	24.2	112.9
17-Mar-07	10	19	15	10	A	7	8	8	6	8	6	4	5	5	4	5	5	6	2	8	9	8	4	3	7.1	18.8
18-Mar-07	3	6	5	6	A	3	6	4	3	4	5	4	5	2	3	9	10	8	4	3	2	2	2	2	4.3	10.1
19-Mar-07	2	4	7	2	A	3	3	6	7	8	10	14	11	12	13	6	6	14	27	16	18	13	12	11	9.7	27.2
20-Mar-07	12	14	22	35	A	45	60	28	28	C	C	C	C	C	C	A	5	8	7	8	23	6	8	26	N	60.4
21-Mar-07	20	8	9	4	A	9	28	16	21	13	24	21	18	18	18	11	8	11	9	10	6	5	4	2	12.7	27.6
22-Mar-07	3	2	1	4	A	2	4	5	4	4	3	12	4	5	4	4	4	5	6	4	5	5	5	7	4.3	12.3
23-Mar-07	8	6	3	5	A	13	17	13	19	15	17	19	8	14	14	7	7	8	9	9	5	6	5	6	10.0	18.9
24-Mar-07	2	4	4	4	A	10	11	5	6	12	16	8	7	4	8	12	12	7	6	6	20	5	7	7	8.0	19.7
25-Mar-07	3	3	4	5	A	52	19	9	11	8	7	6	4	2	5	8	4	6	6	5	15	8	7	8	8.9	52.5
26-Mar-07	3	3	3	5	A	6	7	16	15	22	27	22	8	7	10	12	18	12	17	9	10	6	12	10	11.3	27.4
27-Mar-07	6	5	5	6	A	4	18	24	29	20	18	9	5	8	10	6	5	3	6	4	4	29	25	6	11.1	29.0
28-Mar-07	4	5	4	3	A	12	15	18	8	8	8	10	13	16	13	6	6	21	33	57	12	8	12	9	13.2	56.7
29-Mar-07	6	10	7	8	A	10	16	20	13	18	13	11	6	3	8	40	18	17	45	28	27	26	8	9	15.9	44.8
30-Mar-07	8	6	6	22	A	13	16	26	38	29	86	73	42	19	10	11	4	6	4	4	4	3	3	2	18.9	86.1
31-Mar-07	5	6	5	3	A	6	8	16	60	11	15	3	2	2	1	1	1	2	1	2	1	1	1	10	7.0	60.3
Hourly Avg	8.3	8.5	9.2	9.5	N	15.5	23.2	21.8	26.1	20.6	20.9	21.0	15.3	11.1	10.6	10.9	8.6	10.3	11.7	12.0	11.3	9.3	9.8	8.5		
Hourly Max	37.8	31.5	37.1	34.7	0.0	64.8	112.9	98.6	95.6	106.2	86.1	134.8	126.3	63.4	51.8	42.2	24.8	29.8	44.8	56.7	34.5	29.0	29.9	26.0		

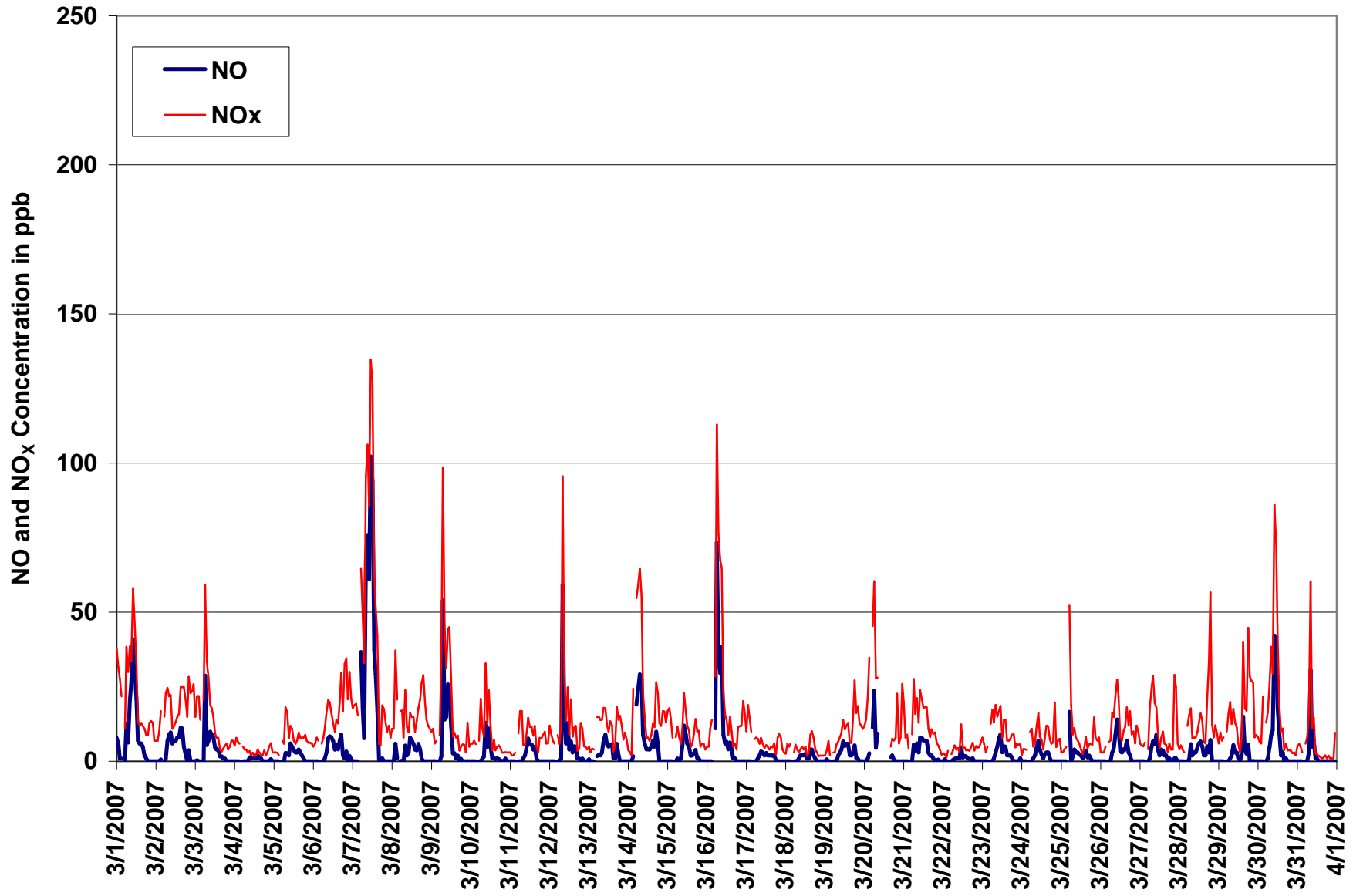


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Ozone (O₃)

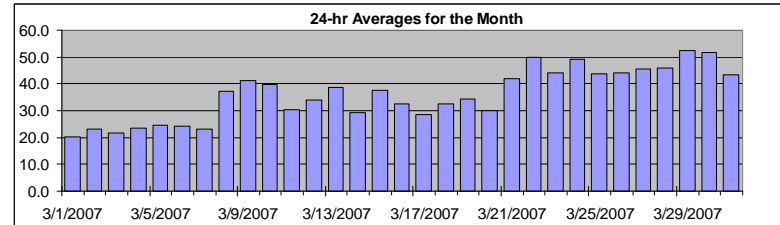
Monitoring Dates: March 1, 2007 to April 1, 2007

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

Summary

Number of 1-hr Exceedances:	0		
Maximum 1-hr Average:	65.8 ppb	30-Mar	14:00 15:00
Maximum 24-hr Average:	52.5 ppb	29-Mar	

AIC Time:	32 hrs	Operational Time:	710 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	59.0	50.8	45.0	37.7	27.0	17.6	9.6	36.1 ppb	37.7 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	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
1-Mar-07	8	6	11	17	A	22	16	10	10	19	17	21	26	29	30	29	26	25	25	25	22	21	21	25		20.1	30.2	
2-Mar-07	25	25	26	20	A	24	25	25	22	23	25	26	27	28	28	27	27	25	19	21	17	16	16	11		23.0	27.7	
3-Mar-07	18	15	13	17	A	18	10	11	16	23	25	28	30	30	29	28	28	27	25	23	23	22	19	20		21.6	30.4	
4-Mar-07	21	20	19	19	A	20	20	22	24	24	24	25	25	25	25	26	27	26	25	25	25	24	24	24		23.4	27.0	
5-Mar-07	25	24	24	24	A	24	23	18	20	23	23	24	26	27	27	27	26	26	24	24	25	27	28	27		24.6	28.0	
6-Mar-07	29	27	26	27	A	29	27	23	22	22	26	28	30	30	29	28	24	19	22	16	20	19	15	16		24.1	30.2	
7-Mar-07	17	15	16	19	A	9	6	8	14	13	13	14	19	30	33	35	40	40	33	37	31	32	30	30		23.3	40.5	
8-Mar-07	29	27	19	18	A	32	44	45	39	43	46	43	42	43	43	44	39	41	33	31	35	39	39	39		37.1	46.3	
9-Mar-07	41	42	43	42	A	39	37	27	33	31	37	36	41	44	46	46	47	47	46	44	45	46	45	43		41.3	47.2	
10-Mar-07	42	42	44	42	A	41	37	38	40	36	38	36	41	45	45	46	45	43	38	37	37	36	34	33		39.9	45.8	
11-Mar-07	32	32	32	32	A	30	27	23	28	29	28	29	31	32	34	33	34	35	33	32	29	27	29	28		30.4	35.3	
12-Mar-07	25	25	27	28	A	25	26	24	19	26	33	32	37	38	42	44	46	45	43	40	39	42	40	39		34.1	45.8	
13-Mar-07	39	40	40	39	A	36	37	34	34	37	36	39	41	41	44	45	44	38	37	37	37	38	39	40		38.8	45.5	
14-Mar-07	40	40	40	32	A	34	26	7	18	30	31	27	28	29	30	31	32	30	26	34	30	26	26	24		29.1	40.3	
15-Mar-07	22	20	26	33	A	34	35	36	38	37	33	35	39	43	46	46	46	43	43	42	42	41	43	43		37.6	46.0	
16-Mar-07	41	39	35	30	A	27	8	13	21	22	33	38	39	40	39	42	42	41	40	36	33	33	28	32		32.7	42.3	
17-Mar-07	33	27	27	24	A	25	24	24	26	26	28	29	29	31	32	33	33	32	32	31	29	28	28	28		28.6	33.2	
18-Mar-07	28	27	27	25	A	27	25	26	27	29	30	32	34	36	37	36	35	35	36	37	40	39	39	39		32.4	39.6	
19-Mar-07	40	39	38	38	A	37	36	35	36	35	35	35	36	35	36	37	38	35	28	29	28	27	28	27		34.3	39.5	
20-Mar-07	26	25	23	20	A	22	13	24	27	25	28	30	22	C	C	A	49	48	43	38	33	37	37	32		30.1	48.5	
21-Mar-07	28	37	40	45	A	41	36	36	37	41	39	43	41	44	45	48	47	45	45	45	46	46	46	48		42.1	47.9	
22-Mar-07	48	49	49	49	A	48	49	49	49	49	50	51	51	50	51	51	51	51	50	50	50	50	50	50		49.8	50.9	
23-Mar-07	49	49	48	48	A	40	39	39	39	41	42	42	47	48	50	50	49	46	44	43	43	40	40	39		44.2	50.3	
24-Mar-07	44	47	48	49	A	47	47	47	48	45	47	50	53	54	54	53	52	52	53	52	46	49	46	47		49.2	54.4	
25-Mar-07	48	45	42	39	A	27	33	40	39	40	42	47	48	48	49	48	48	48	48	47	45	44	44	44		43.6	48.9	
26-Mar-07	45	46	46	44	A	42	42	39	40	39	39	41	45	49	49	49	48	47	46	44	44	45	42	43		44.1	49.1	
27-Mar-07	44	44	43	43	A	44	42	38	39	40	42	46	48	48	48	49	51	51	51	50	50	44	42	46		45.4	51.0	
28-Mar-07	46	45	46	46	A	43	39	42	44	45	46	45	47	47	50	53	53	48	48	39	46	47	45	45		45.8	53.4	
29-Mar-07	47	46	48	47	A	45	45	42	46	47	49	51	57	62	65	61	59	62	56	54	49	55	57	56		52.5	65.2	
30-Mar-07	56	58	57	51	A	47	48	48	41	43	44	44	52	57	66	62	55	55	60	54	49	48	47	47		51.7	65.8	
31-Mar-07	45	44	45	45	A	44	40	38	37	39	38	42	46	47	46	47	48	47	46	44	43	43	43	40		43.4	47.6	
Hourly Avg	35.0	34.4	34.5	33.9	N	33.0	31.1	30.1	31.4	33.1	34.5	35.8	37.9	40.4	41.6	41.9	41.5	40.5	38.7	37.4	36.5	36.4	35.9	35.6				
Hourly Max	55.7	57.9	57.2	50.8	0.0	48.5	48.7	49.2	49.1	49.4	50.3	51.3	57.1	62.5	65.8	62.0	59.1	62.2	59.7	54.1	50.2	54.9	56.8	55.6				

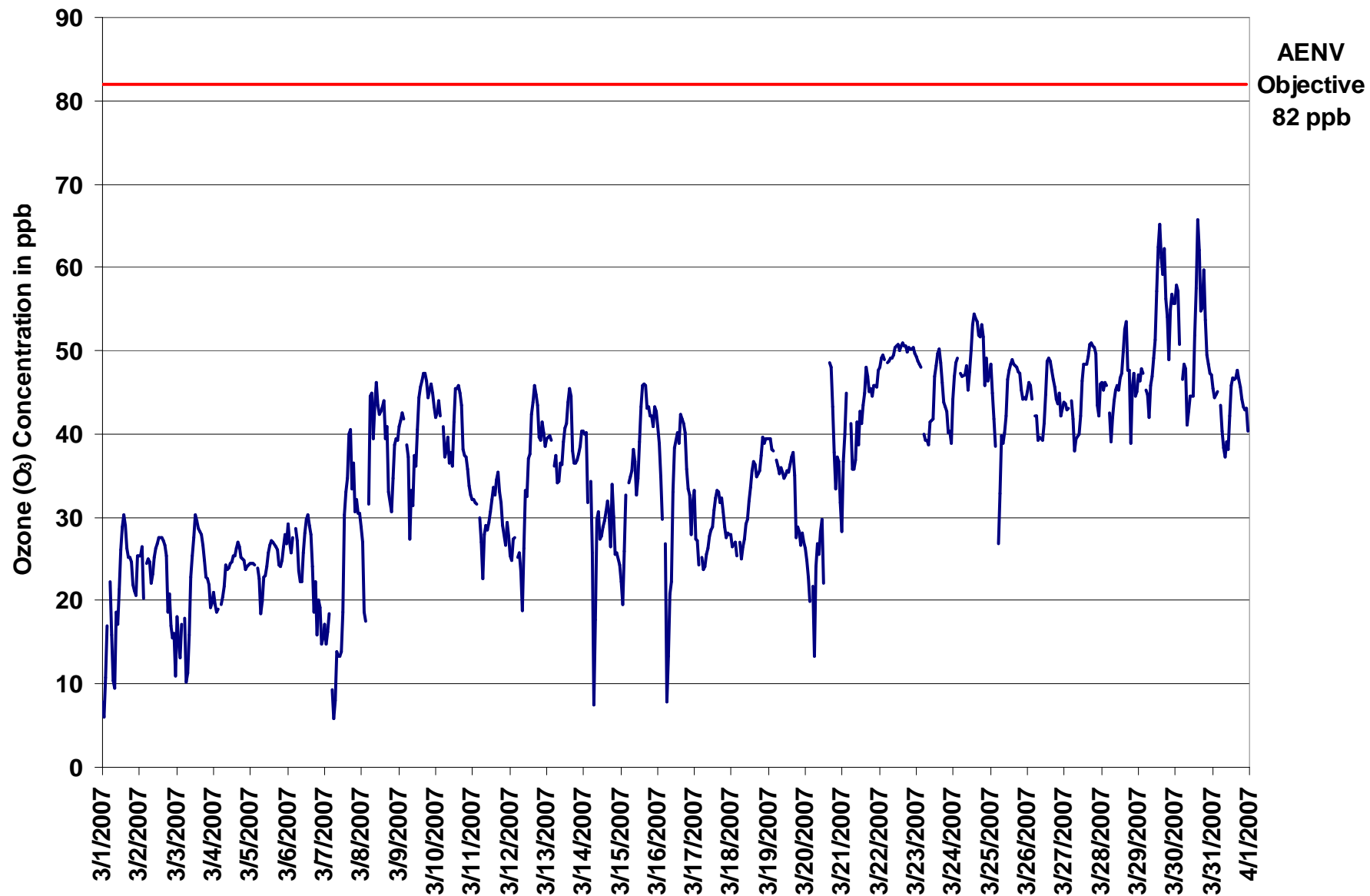


Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

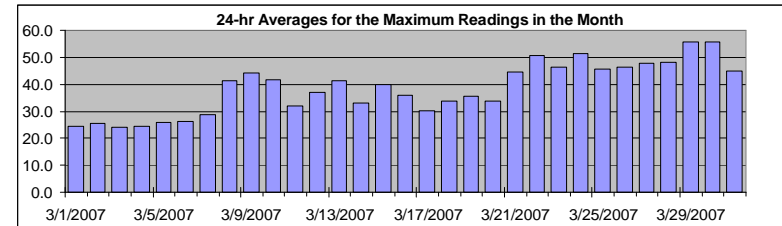
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

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

Summary

Maximum 1-hr Value:	70.0	ppb	30-Mar	14:00 15:00
Maximum 24-hr Value:	55.7	ppb	30-Mar	



AIC Time:	32 hrs	Operational Time:	710 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	63.5	53.5	46.8	40.4	29.0	22.0	18.1	38.6 ppb	40.4 ppb

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	20	10	23	25	A	25	21	22	14	21	22	25	29	30	32	31	31	26	26	26	24	23	25	26	24.3	31.5
2-Mar-07	26	26	28	24	A	27	28	27	24	25	26	27	27	28	29	29	29	29	21	22	23	21	21	19	25.5	29.0
3-Mar-07	19	20	17	18	A	21	19	22	22	25	27	30	31	31	29	29	28	28	26	24	24	23	22	22	24.2	31.2
4-Mar-07	22	21	21	20	A	20	22	24	25	25	25	25	25	26	26	27	27	27	26	26	25	25	25	25	24.3	27.3
5-Mar-07	25	25	25	25	A	25	24	23	23	24	24	25	27	27	28	28	27	27	26	26	26	28	29	29	25.8	29.1
6-Mar-07	30	28	27	29	A	29	28	26	24	24	28	29	31	31	30	29	27	23	26	23	25	22	20	19	26.4	30.7
7-Mar-07	20	18	19	20	A	18	11	13	18	27	19	19	25	45	49	42	42	41	40	42	34	34	34	32	28.6	48.8
8-Mar-07	30	30	27	23	A	43	49	48	45	48	48	47	45	45	45	46	43	48	42	35	40	41	41	42	41.3	49.2
9-Mar-07	43	44	44	43	A	40	40	38	40	38	42	43	46	46	47	48	48	48	47	46	47	47	47	45	44.2	48.3
10-Mar-07	44	44	46	44	A	43	41	40	41	40	40	41	46	47	47	47	46	46	39	38	38	37	35	33	41.8	46.8
11-Mar-07	33	33	33	32	A	32	31	28	30	30	30	31	32	33	35	34	36	36	35	33	32	31	31	28	32.0	36.2
12-Mar-07	28	27	30	29	A	26	27	26	26	32	35	34	40	48	44	47	47	46	44	44	43	43	42	41	36.9	48.1
13-Mar-07	40	41	41	41	A	39	42	39	38	38	39	41	42	43	46	47	45	45	40	41	41	40	41	41	41.3	46.7
14-Mar-07	41	41	41	41	A	38	41	27	25	35	34	29	29	30	31	32	34	34	30	35	34	30	29	25	33.2	41.0
15-Mar-07	25	22	31	35	A	36	36	37	39	40	36	37	41	46	47	47	47	46	46	45	44	43	44	44	39.7	47.2
16-Mar-07	42	40	39	32	A	28	25	25	27	30	35	40	40	41	41	43	42	42	41	39	35	34	34	34	36.1	43.1
17-Mar-07	35	34	30	28	A	26	25	26	26	28	29	29	30	32	33	34	34	33	33	32	31	29	29	28	30.2	34.6
18-Mar-07	29	28	28	28	A	27	26	28	29	30	31	32	36	36	37	38	36	37	37	39	41	40	40	40	33.7	40.5
19-Mar-07	40	40	40	39	A	38	37	36	36	37	36	36	37	38	38	38	39	38	31	30	32	28	30	29	35.7	40.1
20-Mar-07	28	27	27	25	A	28	20	28	28	28	31	32	32	C	C	A	49	49	49	40	38	38	38	40	33.8	49.4
21-Mar-07	37	41	42	46	A	42	39	39	41	43	43	46	45	46	48	48	48	48	47	47	47	46	47	48	44.6	49.1
22-Mar-07	49	50	50	50	A	49	49	50	50	50	51	52	51	51	51	52	51	51	51	52	51	51	51	51	50.7	51.8
23-Mar-07	51	51	49	49	A	44	45	42	42	43	43	45	49	50	53	51	51	48	46	45	44	42	41	40	46.2	53.2
24-Mar-07	47	48	49	50	A	50	49	49	50	47	50	52	54	55	55	55	55	54	55	53	51	51	48	49	51.2	55.4
25-Mar-07	49	46	43	42	A	37	39	43	41	41	45	48	48	49	50	49	49	49	49	49	48	46	46	45	45.8	49.9
26-Mar-07	46	47	47	45	A	44	44	43	42	41	43	44	46	51	52	50	52	49	49	48	46	46	45	44	46.3	51.9
27-Mar-07	44	44	44	44	A	46	45	43	43	43	46	48	50	50	50	51	53	52	52	51	50	50	48	47	47.6	53.4
28-Mar-07	47	46	47	46	A	44	42	44	45	46	47	47	50	50	52	54	54	54	52	49	49	49	46	47	48.2	54.4
29-Mar-07	48	49	50	49	A	47	47	46	47	49	51	54	60	64	66	65	61	64	63	61	58	61	59	57	55.7	66.5
30-Mar-07	57	59	59	58	A	50	51	52	46	50	51	54	58	65	70	67	56	56	63	59	52	49	48	48	55.7	70.0
31-Mar-07	47	46	46	46	A	45	42	41	43	40	40	44	47	48	48	48	48	48	46	45	44	43	43	44	44.9	48.4
Hourly Avg	36.9	36.3	36.8	36.2	N	35.7	35.0	34.7	34.5	36.1	37.0	38.3	40.3	42.7	43.6	43.6	43.2	42.6	41.3	40.1	39.2	38.5	38.0	37.5		
Hourly Max	57.4	58.9	58.9	57.9	0.0	49.8	51.4	52.3	50.2	50.3	51.3	54.4	60.4	65.0	70.0	66.6	61.3	64.1	63.5	60.9	57.9	60.9	58.9	57.4		

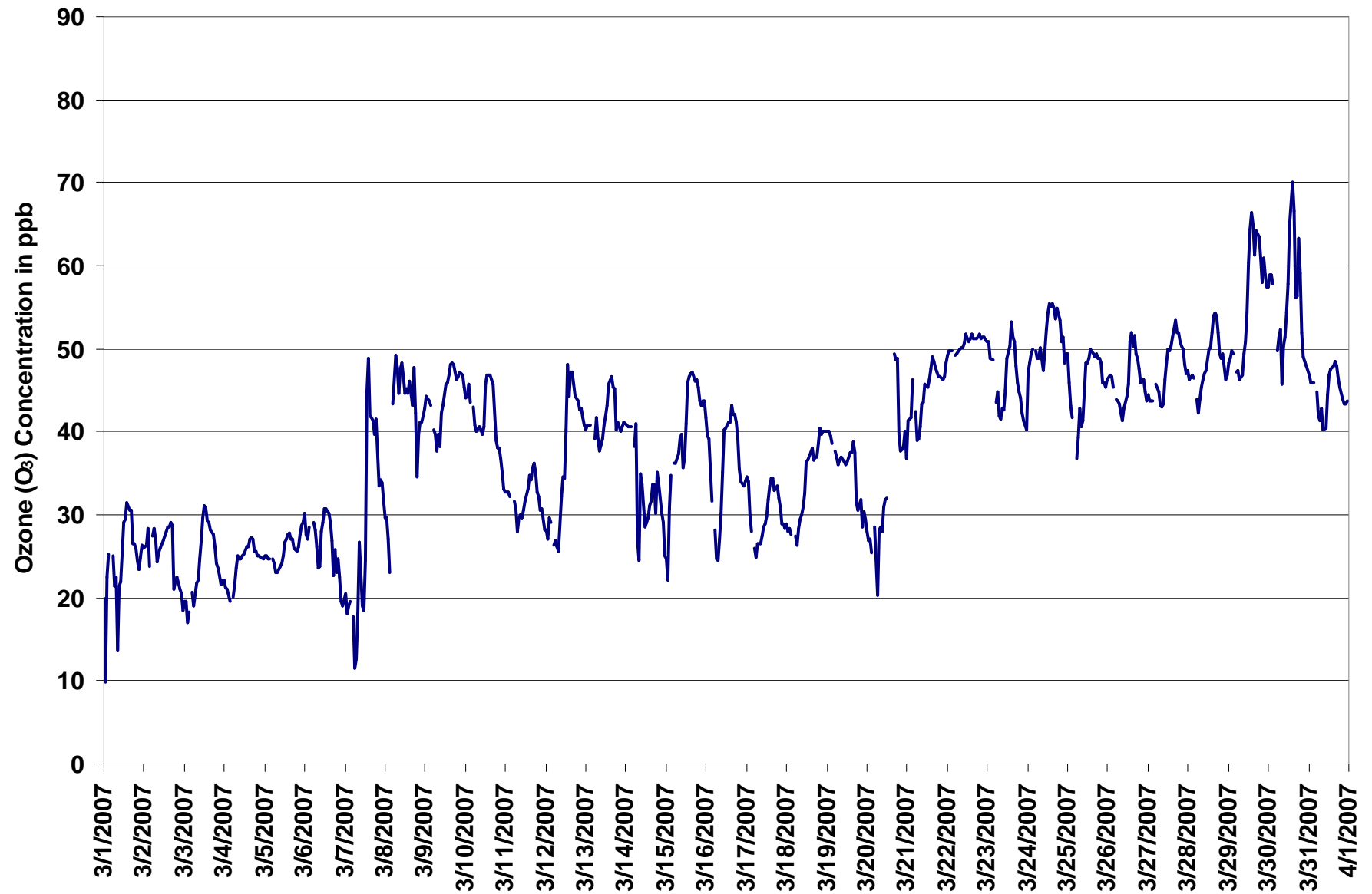
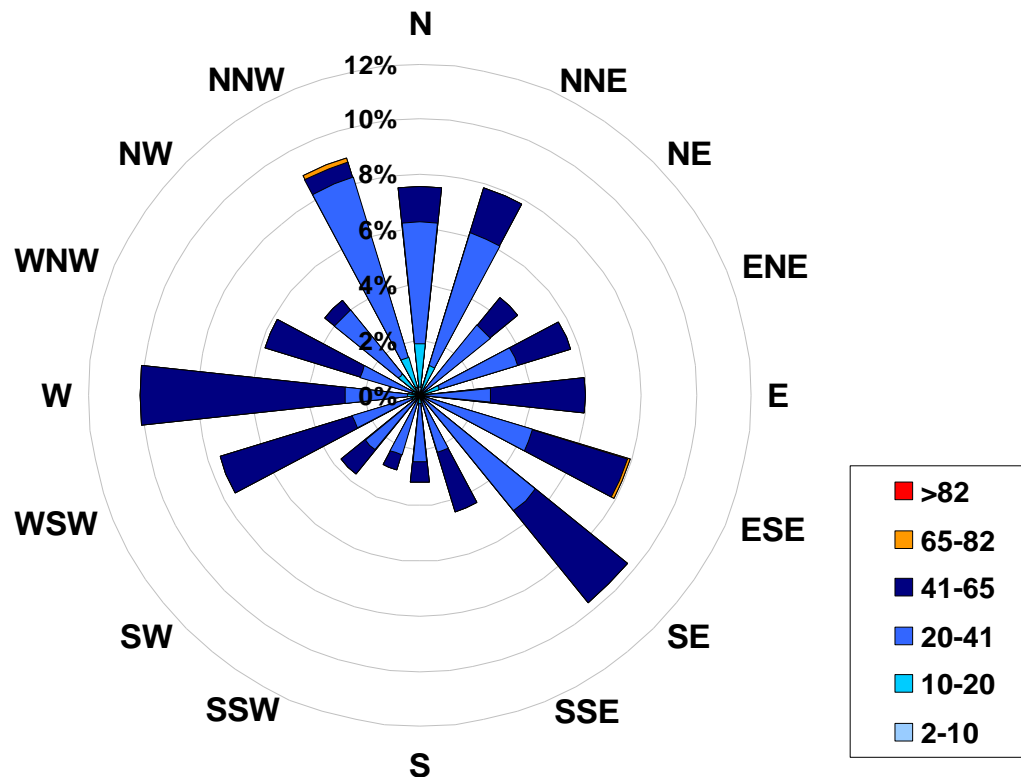


Figure 41. PASZA - Beaverlodge Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	< 10		8
10	to 20		49
20	to 41		376
41	to 65		275
65	to 82		2
	> 82		0
Total Non-Zero Values			710

PASZA - Beaverlodge - Ozone Eight Hour Average Summary

Station: Beaverlodge
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

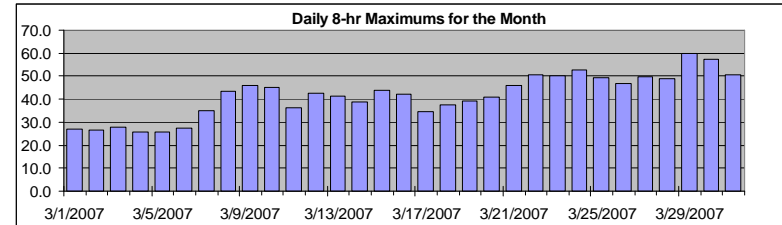
Monitoring Dates: March 1, 2007 to April 1, 2007

Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	59.7 ppb 29-Mar 19:00 20:00

Percentile	99	95	75	50	25	5	1
	56.7	50.5	44.4	37.5	26.5	18.8	13.4



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																							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-Mar-07	27	24	21	19	18	17	15	13	13	15	16	16	18	18	20	23	25	26	27	27	26	25	24	24	27.0	
2-Mar-07	24	24	24	23	24	24	25	25	24	24	24	24	25	25	25	26	26	27	26	25	24	22	21	19	26.6	
3-Mar-07	18	16	16	15	15	15	15	15	14	16	17	19	20	22	24	26	28	28	28	27	26	25	24	23	28.0	
4-Mar-07	22	21	21	20	20	19	20	20	20	21	22	23	23	24	24	25	25	25	26	26	26	25	25	25	25.7	
5-Mar-07	25	25	24	24	24	24	24	23	23	22	22	22	23	23	23	23	25	25	26	26	26	26	26	26	25.9	
6-Mar-07	26	26	27	27	27	28	27	27	26	25	25	25	26	26	26	27	27	27	26	25	24	22	20	19	27.6	
7-Mar-07	18	17	17	17	17	15	14	13	12	12	12	11	12	15	18	21	25	28	31	33	35	35	35	34	35.1	
8-Mar-07	33	31	29	27	26	26	28	30	32	34	38	42	42	43	43	43	43	43	41	40	39	38	38	37	43.4	
9-Mar-07	37	37	38	40	41	41	40	39	37	36	35	34	35	36	37	39	41	43	44	45	46	46	46	46	46.1	
10-Mar-07	45	44	44	44	44	43	42	41	41	40	39	38	38	39	40	41	42	43	43	43	42	41	40	38	44.9	
11-Mar-07	36	35	34	33	33	32	31	30	29	29	28	28	28	28	29	31	31	32	33	33	33	32	32	31	36.3	
12-Mar-07	30	28	28	27	27	27	26	26	25	25	26	26	28	29	31	34	37	40	41	42	42	43	42	42	42.5	
13-Mar-07	41	40	40	40	40	39	39	38	37	37	36	36	37	38	38	40	41	41	41	41	40	40	39	39	41.2	
14-Mar-07	38	38	39	38	38	38	36	31	28	27	25	25	25	24	25	28	30	30	29	30	30	30	29	29	38.8	
15-Mar-07	27	26	26	26	25	26	28	29	32	34	35	35	36	37	38	40	41	41	43	44	44	44	43	43	44.0	
16-Mar-07	42	42	41	39	39	37	32	27	25	22	22	23	25	27	31	34	37	39	40	40	39	38	37	36	42.3	
17-Mar-07	35	33	31	30	29	28	28	26	25	25	25	26	26	27	28	29	30	31	33	34	35	36	37	38	34.5	
18-Mar-07	29	29	28	27	27	27	26	26	26	27	27	28	29	30	31	33	33	34	35	36	36	37	37	38	37.5	
19-Mar-07	38	39	39	39	39	39	38	38	37	37	36	36	36	35	35	36	36	36	35	34	33	32	31	30	39.0	
20-Mar-07	28	27	27	26	25	24	22	22	22	22	23	24	24	24	N	N	N	N	N	N	N	N	41	40	40.7	
21-Mar-07	37	36	35	36	37	37	37	38	39	39	39	39	39	40	41	42	43	44	45	45	46	46	46	46	45.9	
22-Mar-07	46	47	47	48	48	48	49	49	49	49	49	50	50	50	50	50	50	51	50	50	50	50	50	50	50.5	
23-Mar-07	50	50	50	49	49	48	46	45	43	42	41	40	41	42	43	45	46	47	47	47	47	47	46	44	43	50.1
24-Mar-07	42	43	43	44	44	45	46	47	48	47	47	47	48	49	50	51	51	52	53	53	52	51	50	50	52.9	
25-Mar-07	49	48	47	45	45	42	40	39	38	37	37	38	39	42	44	45	46	47	48	48	48	47	47	46	49.2	
26-Mar-07	46	46	45	45	45	45	44	44	43	42	41	40	41	42	43	44	45	46	47	47	47	46	45	45	46.9	
27-Mar-07	44	44	44	43	43	43	43	42	42	41	41	42	42	43	44	45	47	48	49	50	50	49	48	48	49.8	
28-Mar-07	47	47	46	46	45	45	44	44	44	44	44	44	44	44	46	47	48	49	49	48	48	48	47	46	48.8	
29-Mar-07	45	45	45	46	47	46	46	46	46	46	46	46	46	48	50	52	55	57	58	59	60	59	58	57	56	59.7
30-Mar-07	56	55	55	55	56	54	53	52	50	48	46	45	46	47	49	51	53	54	56	58	57	56	54	52	57.6	
31-Mar-07	51	49	48	47	46	45	44	43	42	41	40	40	41	41	42	43	44	45	46	46	46	45	45	44	50.8	

Hourly Max	55.6	55.0	55.2	54.7	55.6	54.4	53.2	52.0	49.9	49.0	49.2	49.4	49.6	49.9	52.5	54.9	56.6	58.5	59.4	59.7	58.7	57.8	56.7	56.0
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PASZA - Beaverlodge - Particulate Matter (less than 2.5 microns) Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

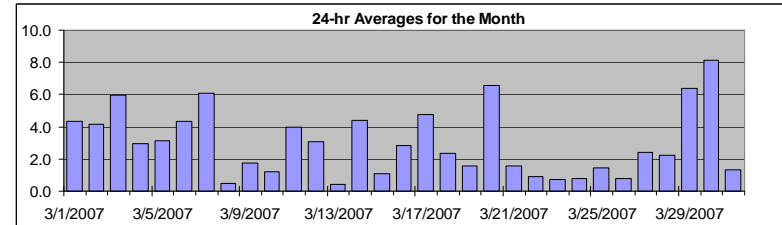
Particulate Matter (PM_{2.5})

Monitoring Dates: March 1, 2007 to April 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:	16.4 $\mu\text{g}/\text{m}^3$ 20-Mar 16:00 17:00
Maximum 24-hr Value:	8.1 $\mu\text{g}/\text{m}^3$ 30-Mar

AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	12.4	8.9	4.4	2.2	0.8	0.0	0.0	3.0 2 $\mu\text{g}/\text{m}^3$	2.2 $\mu\text{g}/\text{m}^3$



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		
1-Mar-07	4	4	4	4	3	3	4	6	5	5	7	6	5	4	4	4	5	5	4	3	4	3	3	3	4.3	7.2
2-Mar-07	3	2	2	1	2	1	0	1	5	5	5	6	5	6	5	6	4	3	4	5	6	7	7	9	4.2	8.9
3-Mar-07	8	7	9	7	7	8	7	9	7	4	5	6	6	4	5	4	6	3	5	5	4	5	7	5.9	9.0	
4-Mar-07	6	5	7	5	4	4	3	2	2	4	1	2	1	2	1	2	3	3	3	3	2	1	2	3.0	6.8	
5-Mar-07	1	2	1	1	2	2	2	2	9	7	4	3	3	3	3	3	3	4	4	4	4	2	3	3.1	8.9	
6-Mar-07	1	2	2	2	2	3	3	4	5	5	5	5	6	5	5	5	6	7	7	6	4	4	6	4.3	6.6	
7-Mar-07	7	6	6	6	7	8	7	7	8	10	10	11	16	10	11	8	0	2	2	0	1	1	0	6.1	16.1	
8-Mar-07	0	0	1	0	3	1	0	0	0	2	0	1	2	1	0	0	0	0	0	0	0	0	0	0.5	3.4	
9-Mar-07	0	0	0	0	1	1	2	2	4	2	7	7	3	0	1	0	2	2	2	2	1	2	1	1.8	7.4	
10-Mar-07	1	2	2	1	0	1	1	1	2	2	0	2	2	1	1	0	0	0	0	0	1	1	3	1.2	3.4	
11-Mar-07	3	3	3	2	2	2	2	5	6	5	5	5	4	4	5	4	4	4	3	5	6	5	3	4.0	6.4	
12-Mar-07	5	5	2	4	5	5	4	7	7	6	5	6	4	5	2	2	0	0	0	0	0	0	0	3.1	7.2	
13-Mar-07	1	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	1	0	0	0	0	1	1	0.4	1.2	
14-Mar-07	1	0	1	2	3	4	4	3	5	6	3	4	4	4	5	6	3	4	7	8	8	6	7	4.4	8.0	
15-Mar-07	6	3	2	1	0	0	1	1	1	3	2	0	1	1	0	0	0	0	0	0	0	4	2	1.1	5.6	
16-Mar-07	1	0	2	2	2	3	6	5	6	8	6	1	1	3	3	2	3	2	1	2	1	3	3	2.8	7.6	
17-Mar-07	3	5	3	1	3	4	5	4	5	4	5	6	5	7	7	6	6	5	7	5	5	3	5	4.8	7.4	
18-Mar-07	3	3	3	2	4	4	4	3	4	3	3	2	1	2	2	2	2	3	2	1	0	1	0	2.3	4.2	
19-Mar-07	0	0	1	0	0	1	0	1	1	0	1	1	2	2	3	2	4	3	4	2	1	1	3	1.6	4.0	
20-Mar-07	4	3	3	3	3	4	7	9	12	6	10	9	6	2	3	7	16	7	9	8	7	7	5	6.6	16.4	
21-Mar-07	8	5	5	2	0	1	0	1	0	1	2	1	1	1	1	2	1	0	0	1	0	2	1	1.5	8.0	
22-Mar-07	0	1	2	0	1	3	0	2	2	2	1	0	0	1	0	1	0	1	2	1	2	1	0	0.9	2.5	
23-Mar-07	1	2	1	1	0	1	0	0	0	1	0	0	1	1	1	1	1	0	1	0	1	0	1	0.7	1.8	
24-Mar-07	0	0	1	1	1	1	0	0	0	2	2	1	0	0	0	1	2	1	2	0	0	2	0	0.8	2.3	
25-Mar-07	1	2	1	1	3	2	1	1	3	3	4	2	1	1	0	0	0	1	0	1	1	2	1	1.4	4.0	
26-Mar-07	1	1	1	0	0	1	1	0	1	2	3	2	0	0	0	0	1	0	0	0	1	1	2	0.8	2.8	
27-Mar-07	2	2	2	1	2	1	2	3	4	3	4	3	2	1	1	1	3	1	3	3	2	3	4	2.4	4.5	
28-Mar-07	2	2	2	1	2	2	3	3	2	3	3	2	3	2	3	0	1	2	2	5	3	2	1	2.2	5.3	
29-Mar-07	1	1	2	2	2	2	4	4	4	5	6	6	8	9	10	11	12	11	12	10	10	7	9	6.4	12.5	
30-Mar-07	12	10	10	11	13	11	9	11	11	13	15	15	15	11	12	9	4	2	1	0	0	0	0	8.1	14.7	
31-Mar-07	0	0	0	0	0	0	0	1	4	5	3	2	0	0	1	1	2	2	2	2	2	1	1	1.3	4.9	
Hourly Avg	2.8	2.5	2.5	2.1	2.5	2.7	2.7	3.2	4.1	4.0	4.2	3.8	3.6	2.9	3.1	3.0	3.0	2.5	2.9	2.6	2.6	2.5	2.5	2.8		
Hourly Max	11.7	10.1	9.8	11.3	12.7	11.3	9.4	10.5	12.3	12.5	14.7	14.5	16.1	11.3	12.3	10.7	16.4	11.5	12.0	9.7	9.8	7.1	7.4	9.2		

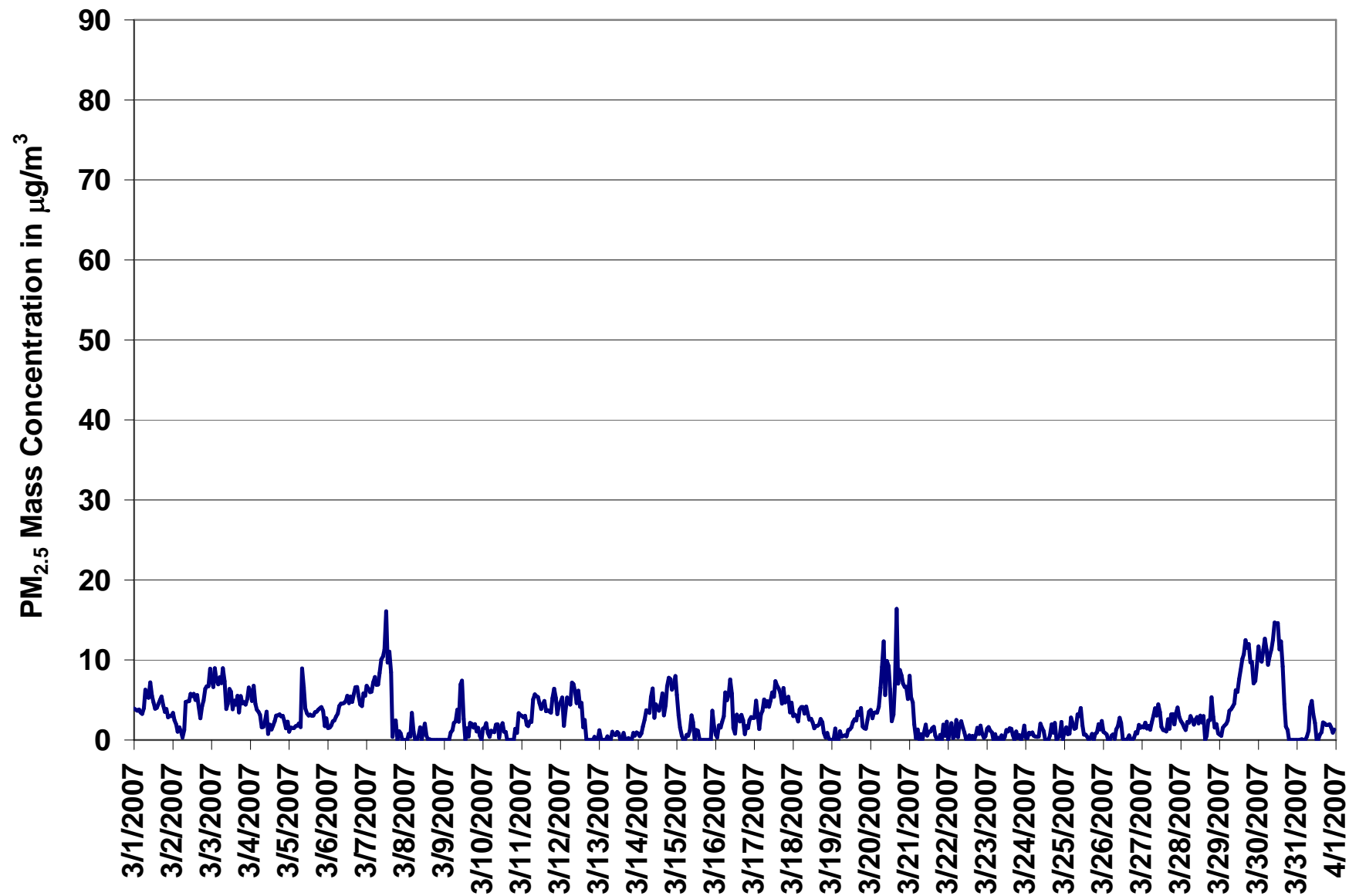


Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

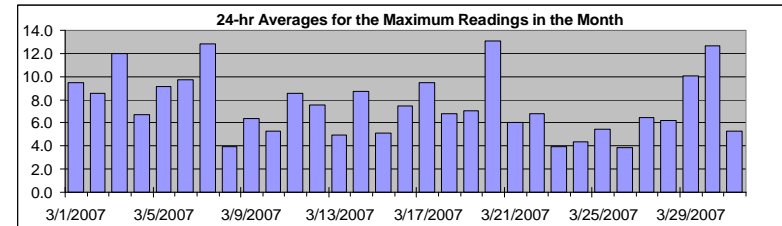
Particulate Matter (PM_{2.5})

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

Summary

Maximum 1-hr Average:	47.6	µg/m ³	7-Mar	12:00 13:00
Maximum 24-hr Value:	13.0	µg/m ³	20-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	21.1	14.5	9.4	6.7	4.9	2.6	0.9	7.5	7 µg/m ³



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-07	7	7	7	7	8	7	7	12	10	10	10	14	12	9	10	11	11	12	10	11	10	11	8	7	9.5	13.9
2-Mar-07	8	5	5	3	5	5	2	5	8	9	8	10	12	12	11	12	10	9	10	9	12	11	11	14	8.5	13.7
3-Mar-07	16	14	15	12	12	13	14	15	14	11	9	14	11	11	12	12	14	12	12	7	8	11	9	9	12.0	16.1
4-Mar-07	8	8	10	8	7	8	9	6	5	5	9	6	7	7	6	6	6	6	6	7	7	5	4	7	6.7	10.3
5-Mar-07	4	5	7	6	5	5	6	5	38	17	9	7	8	9	9	9	9	9	10	9	8	8	8	9.1	37.6	
6-Mar-07	6	6	6	8	6	7	8	8	9	10	8	9	16	10	10	13	12	12	15	11	11	10	11	13	9.7	15.7
7-Mar-07	14	12	10	12	16	15	13	12	15	21	18	20	48	25	18	15	4	5	5	1	3	3	0	4	12.9	47.6
8-Mar-07	1	4	4	6	8	6	7	5	5	8	6	6	7	5	2	3	2	5	1	1	1	1	1	1	3.9	8.1
9-Mar-07	2	2	3	2	3	5	4	11	9	8	13	15	14	6	6	6	6	5	6	8	5	8	4	5	6.4	14.8
10-Mar-07	5	5	8	7	4	5	4	5	5	6	3	6	7	5	7	3	3	3	2	5	5	6	8	10	5.3	9.7
11-Mar-07	10	7	10	6	7	7	9	9	10	9	10	10	10	11	10	10	7	6	7	8	10	9	6	8	8.6	11.5
12-Mar-07	10	9	6	9	9	10	9	11	11	9	11	14	12	9	7	12	4	2	2	1	4	4	2	4	7.5	14.0
13-Mar-07	5	5	4	6	3	6	5	5	5	6	5	8	8	4	2	7	5	4	3	4	4	4	6	4	5.0	8.0
14-Mar-07	6	5	5	6	10	7	9	8	9	11	8	8	8	7	7	10	8	7	11	12	12	11	12	12	8.7	12.2
15-Mar-07	12	8	7	5	4	4	6	7	7	6	8	5	4	4	4	2	4	3	2	4	2	4	7	6	5.2	11.7
16-Mar-07	4	4	5	6	6	7	13	11	9	13	11	7	8	8	7	8	7	7	5	6	6	5	6	8	7.5	13.4
17-Mar-07	6	9	7	4	7	8	8	9	8	9	10	12	10	12	12	12	18	9	14	10	8	9	7	10	9.5	18.0
18-Mar-07	7	9	8	7	8	7	8	6	10	9	7	7	9	6	5	8	6	6	6	5	5	5	5	3	6.8	9.7
19-Mar-07	8	6	7	5	4	7	5	5	6	8	6	6	6	7	6	6	9	7	8	10	10	7	12	8	7.0	12.5
20-Mar-07	9	7	9	10	8	8	11	16	22	13	16	14	9	9	13	31	27	13	13	12	11	11	11	10	13.0	30.9
21-Mar-07	13	10	9	7	5	5	6	8	5	6	6	5	5	4	5	5	5	3	4	4	5	7	5	7	6.0	13.0
22-Mar-07	6	6	9	5	7	9	8	7	7	8	8	6	6	8	6	7	5	7	9	7	7	6	4	4	6.8	9.3
23-Mar-07	5	6	5	5	5	4	3	3	5	4	2	2	4	4	3	3	4	2	5	4	4	3	3	6	3.9	6.0
24-Mar-07	3	4	5	5	6	4	4	4	5	6	7	5	2	2	5	4	5	4	9	3	3	3	6	2	4.4	9.0
25-Mar-07	5	5	4	4	6	6	6	5	10	6	9	8	5	5	4	4	5	5	4	5	3	5	4	6	5.4	9.9
26-Mar-07	4	4	4	3	5	4	4	4	5	5	6	7	2	1	2	5	5	2	2	4	4	3	4	5	3.9	6.7
27-Mar-07	5	4	5	5	5	4	6	7	8	7	9	11	7	6	5	6	8	5	7	8	6	7	8	6	6.4	11.0
28-Mar-07	7	7	6	5	7	9	6	6	6	6	7	9	9	7	6	3	4	7	7	9	5	5	5	3	6.2	9.1
29-Mar-07	4	3	5	6	4	6	7	7	7	8	10	9	12	13	15	18	16	15	16	13	13	13	10	13	10.1	17.5
30-Mar-07	15	12	12	15	17	15	12	14	14	16	21	21	20	17	17	13	8	7	13	7	3	7	5	3	12.7	21.2
31-Mar-07	3	3	5	3	3	4	4	5	10	9	9	7	3	2	4	4	7	5	5	6	5	5	6	7	5.3	10.2
Hourly Avg	7.0	6.5	6.8	6.4	6.8	7.0	7.2	7.8	9.6	9.0	9.0	9.3	9.7	7.9	7.6	8.7	7.8	6.5	7.3	6.8	6.4	6.7	6.5	6.8		
Hourly Max	16.1	13.7	15.0	14.5	17.0	15.3	13.6	16.2	37.6	21.0	21.1	21.2	47.6	24.7	18.3	30.9	26.7	15.1	16.0	12.8	13.2	12.8	12.5	13.7		

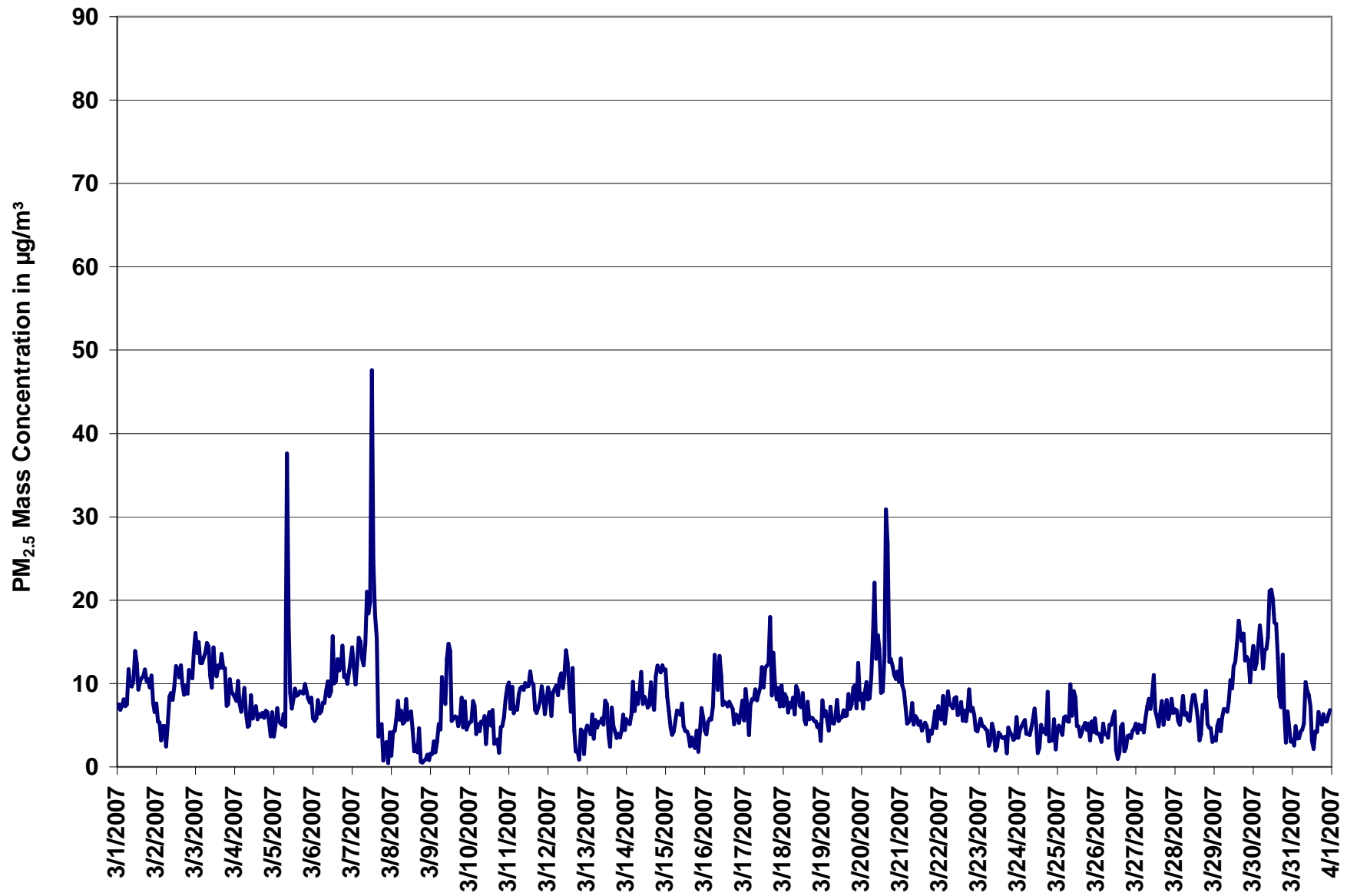
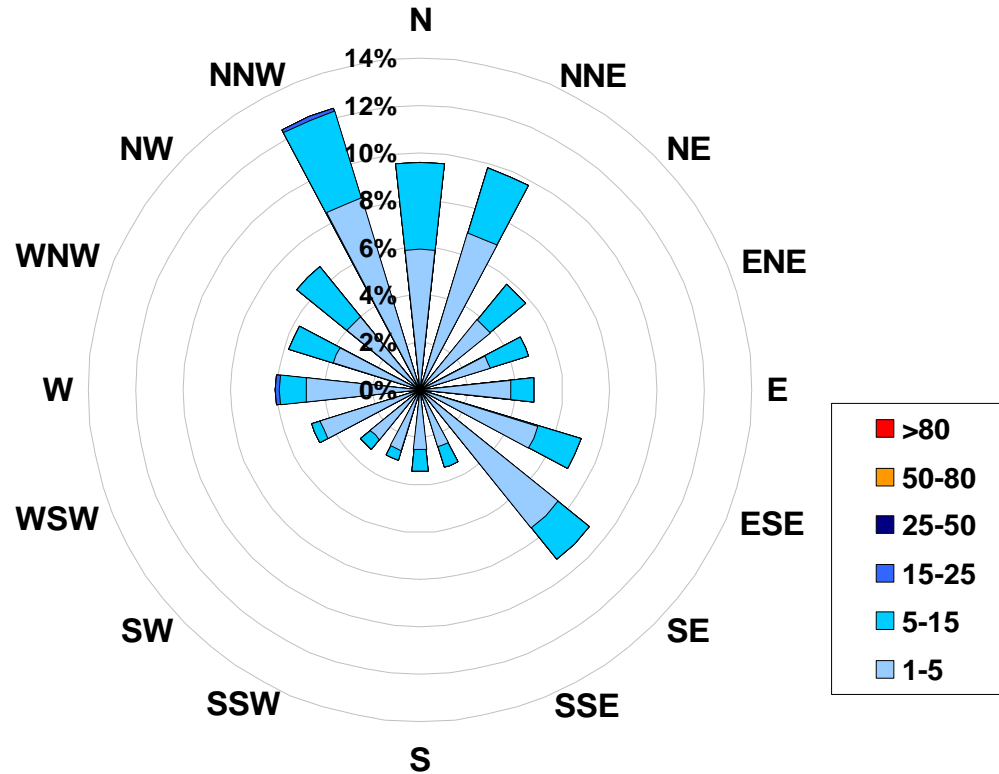


Figure 43. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in $\mu\text{g}/\text{m}^3$			
Range			Frequency (hrs)
1.0	<	5	598
5	to	15	144
15	to	25	2
25	to	50	0
50	to	80	0
	>	80	0
Total Non-Zero Values			744

PASZA - Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

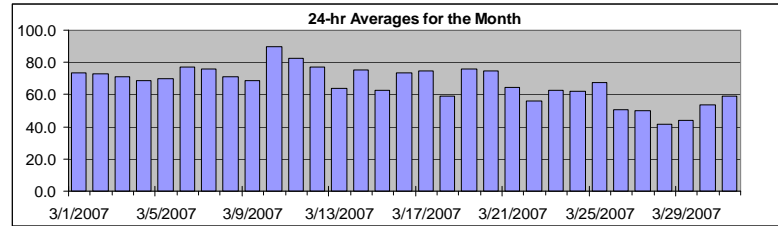
HOURLY AVERAGE TABLE

Relative Humidity (RH)

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

Summary

Maximum 1-hr Average:	96.8	%	8-Mar	0:00 1:00
Maximum 24-hr Value:	90.0	%	10-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	96.6	93.5	79.6	67.2	54.7	38.6	30.1	66.7 %	67.2 %

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00		
1-Mar-07	84	84	84	85	86	86	85	84	82	75	63	56	53	55	44	54	66	70	74	75	76	81	82	82	73.5	85.7
2-Mar-07	80	79	78	78	78	78	82	84	81	83	82	72	62	44	44	55	69	74	77	73	75	73	76	75	73.0	83.7
3-Mar-07	77	79	79	79	80	74	73	82	74	62	62	54	57	58	57	63	65	69	72	76	78	77	77	79	70.9	81.6
4-Mar-07	77	76	77	75	74	75	76	75	70	69	57	61	52	52	55	54	62	65	71	72	72	75	76	76	68.4	77.1
5-Mar-07	76	77	76	74	74	74	75	76	71	66	61	59	61	57	56	64	65	69	71	72	72	73	82	80	70.1	81.5
6-Mar-07	80	82	81	81	82	83	85	85	85	84	79	71	67	68	66	63	69	72	76	76	78	80	79	75	76.9	85.4
7-Mar-07	74	80	77	74	75	73	76	76	73	68	63	62	58	50	40	62	81	85	92	92	95	96	96	97	75.6	96.8
8-Mar-07	97	97	97	96	96	94	67	72	69	78	74	82	72	73	63	59	59	51	57	52	51	51	52	53	71.3	96.8
9-Mar-07	53	54	54	56	58	62	66	70	68	66	58	59	62	59	62	57	60	70	80	90	95	95	96	96	68.6	96.5
10-Mar-07	97	97	97	97	96	96	96	96	95	89	84	76	74	83	87	87	88	90	90	90	89	89	89	88	90.0	96.6
11-Mar-07	86	84	83	83	85	85	86	90	90	88	85	76	73	66	65	65	74	78	83	89	92	92	94	95	82.8	94.5
12-Mar-07	94	94	93	92	92	91	89	87	86	79	69	66	62	83	75	61	54	54	56	63	73	76	81	84	77.2	94.2
13-Mar-07	81	80	79	85	86	86	78	76	71	52	57	43	30	42	41	48	57	60	60	56	56	66	68	68	63.6	86.0
14-Mar-07	69	73	73	76	83	84	86	86	82	78	78	74	74	59	56	42	45	65	76	82	87	89	92	91	75.0	91.8
15-Mar-07	90	90	90	90	90	90	90	89	81	72	55	31	30	36	40	39	40	44	50	51	54	56	53	54	62.8	90.2
16-Mar-07	57	57	61	63	64	66	75	70	69	71	69	67	68	69	66	76	81	82	85	88	89	89	89	91	73.4	90.6
17-Mar-07	92	93	92	91	88	85	85	83	79	74	72	69	65	56	57	62	62	66	71	71	70	70	70	74	74.9	92.7
18-Mar-07	72	72	67	65	66	66	70	72	71	65	61	52	44	41	41	41	44	56	61	59	56	55	57	57	58.8	71.9
19-Mar-07	56	59	71	72	69	76	81	82	78	68	70	69	68	69	73	75	77	80	85	87	89	88	87	86	75.6	88.7
20-Mar-07	86	86	88	89	88	88	89	89	85	78	67	64	65	51	42	43	55	54	65	86	84	83	85	84	74.8	89.2
21-Mar-07	90	89	81	65	67	76	75	71	66	58	56	46	56	53	47	48	52	54	60	64	66	71	70	68	64.6	90.1
22-Mar-07	64	55	55	58	63	68	66	64	59	58	53	47	42	42	43	43	48	49	52	55	59	63	65	67	55.7	68.3
23-Mar-07	66	67	67	68	69	66	63	63	61	58	52	51	45	39	38	53	58	59	66	74	76	80	84	83	62.7	83.7
24-Mar-07	65	61	58	56	57	57	61	58	54	48	43	36	38	39	38	46	53	61	78	95	96	96	97	97	62.0	96.5
25-Mar-07	97	97	96	97	97	95	93	91	82	75	66	59	47	45	42	40	42	42	48	54	55	54	52	61	67.7	96.6
26-Mar-07	62	66	68	70	74	75	78	71	61	55	41	47	38	30	30	30	33	37	35	41	40	42	43	47	50.7	78.2
27-Mar-07	48	50	54	56	58	60	60	53	59	54	47	42	37	33	34	34	34	39	44	55	57	63	70	66	50.2	69.7
28-Mar-07	69	69	58	51	50	51	52	46	38	31	25	26	33	25	27	26	27	33	38	50	50	42	42	38	41.5	69.3
29-Mar-07	39	43	46	46	46	48	47	50	46	44	44	44	43	37	34	31	34	36	41	46	56	53	47	49	43.7	55.5
30-Mar-07	51	49	50	54	59	66	70	66	68	61	51	47	38	45	44	40	50	50	56	51	47	51	57	61	53.5	69.9
31-Mar-07	63	59	61	65	69	65	66	56	62	72	68	56	47	48	50	47	47	49	56	61	61	62	62	65	59.0	71.7
Hourly Avg	74.0	73.9	73.9	73.7	74.8	75.5	75.5	74.6	71.5	67.1	61.6	56.9	53.6	51.9	50.3	51.9	56.4	60.1	65.3	69.3	70.8	72.0	73.2	73.7		
Hourly Max	96.8	96.7	96.7	96.6	96.6	96.5	96.4	96.3	95.2	89.5	84.8	81.6	74.3	83.3	86.7	87.3	87.8	90.1	92.0	94.9	95.8	96.2	96.4	96.8		

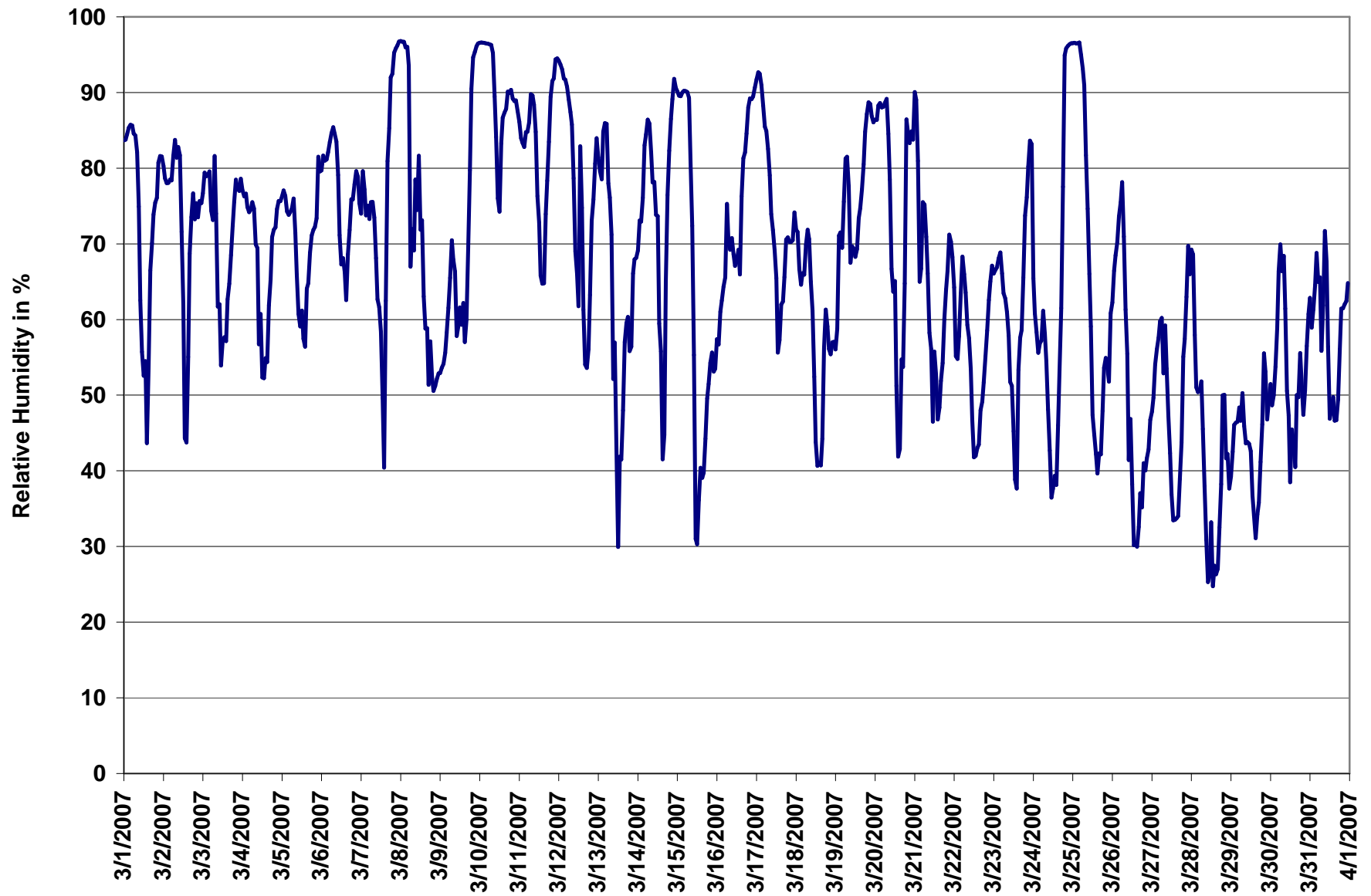


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

PASZA - Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

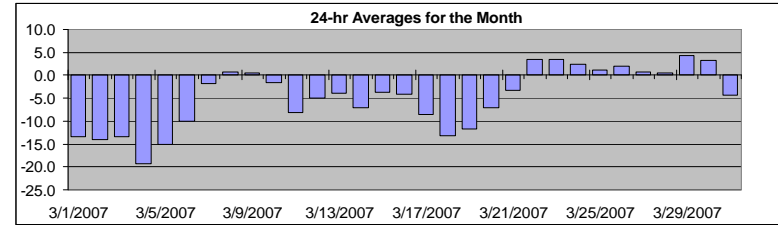
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	11.3	°C	29-Mar	15:00 16:00
Maximum 24-hr Value:	4.4	°C	29-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	8.8	6.0	1.0	-4.3	-10.1	-17.8	-21.6	-4.7 °C	-4.3 °C

Status Flag Characters

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

Day	Mountain Standard Time																							24-hour Average	Daily Maximum		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
1-Mar-07	-14	-15	-15	-16	-17	-18	-17	-17	-16	-15	-13	-10	-8	-8	-5	-7	-10	-11	-12	-13	-15	-15	-16	-16	-13.3	-4.7	
2-Mar-07	-17	-18	-19	-19	-19	-19	-20	-20	-18	-16	-16	-14	-12	-7	-7	-10	-12	-12	-12	-11	-11	-10	-10	-10	-14.0	-6.8	
3-Mar-07	-9	-9	-10	-10	-11	-9	-9	-10	-8	-7	-9	-9	-11	-12	-12	-15	-16	-18	-20	-21	-21	-22	-22	-22	-13.5	-7.3	
4-Mar-07	-22	-22	-22	-22	-22	-21	-21	-22	-21	-21	-18	-19	-16	-16	-16	-16	-17	-18	-18	-18	-18	-18	-19	-19	-19	-19.3	-16.0
5-Mar-07	-19	-19	-18	-18	-18	-18	-18	-18	-17	-15	-14	-13	-13	-12	-11	-13	-13	-13	-14	-14	-13	-13	-14	-13	-15.0	-11.4	
6-Mar-07	-13	-13	-13	-13	-13	-13	-13	-13	-13	-12	-11	-10	-8	-8	-7	-6	-7	-7	-7	-7	-7	-7	-7	-7	-9.9	-6.1	
7-Mar-07	-7	-8	-8	-8	-8	-7	-8	-7	-6	-4	-3	-1	1	6	9	6	4	3	2	1	1	1	0	-1	-1.8	9.2	
8-Mar-07	-1	-2	-2	-3	-2	-1	1	1	1	0	1	0	3	2	5	5	5	4	2	1	1	0	0	-1	0.8	4.9	
9-Mar-07	-1	-1	-1	-2	-2	-3	-4	-5	-3	-3	1	3	4	5	5	5	4	3	2	1	0	0	0	0	0.5	5.2	
10-Mar-07	0	0	0	0	0	0	-1	-1	0	1	2	4	4	1	1	0	-1	-2	-5	-7	-7	-8	-9	-10	-1.6	3.9	
11-Mar-07	-10	-10	-11	-11	-11	-12	-13	-12	-12	-11	-10	-8	-7	-5	-5	-5	-7	-6	-6	-6	-5	-4	-5	-5	-8.2	-4.0	
12-Mar-07	-4	-4	-6	-8	-8	-8	-8	-8	-8	-7	-5	-4	-2	-4	-2	1	1	0	-2	-4	-6	-5	-7	-8	-5.0	0.9	
13-Mar-07	-7	-7	-6	-8	-9	-9	-8	-8	-7	-3	-4	1	6	2	2	2	1	-1	-2	-3	-4	-6	-6	-6	-3.8	6.4	
14-Mar-07	-6	-7	-7	-8	-10	-8	-7	-9	-8	-6	-7	-8	-8	-6	-4	1	0	-5	-7	-8	-8	-9	-10	-11	-7.0	0.7	
15-Mar-07	-11	-12	-11	-11	-10	-11	-10	-10	-8	-6	-1	5	6	4	3	4	3	1	-1	-2	-2	-3	-2	-2	-3.6	6.0	
16-Mar-07	-3	-3	-4	-5	-5	-5	-7	-6	-6	-5	-3	-2	-2	-2	-1	-3	-3	-3	-4	-6	-6	-6	-6	-6	-4.2	-0.6	
17-Mar-07	-6	-6	-6	-7	-9	-9	-9	-10	-10	-10	-9	-8	-7	-4	-4	-4	-4	-9	-11	-12	-13	-13	-13	-14	-8.6	-3.9	
18-Mar-07	-14	-14	-14	-15	-15	-16	-16	-16	-16	-16	-15	-13	-10	-9	-9	-8	-9	-11	-13	-13	-14	-14	-15	-14	-13.2	-8.4	
19-Mar-07	-14	-15	-15	-14	-14	-14	-14	-14	-13	-10	-10	-10	-9	-9	-10	-10	-9	-9	-10	-11	-11	-11	-11	-11	-11.7	-9.1	
20-Mar-07	-11	-11	-11	-12	-12	-11	-11	-11	-9	-8	-6	-5	-5	1	2	1	0	-1	-4	-7	-8	-9	-10	-10	-7.0	1.5	
21-Mar-07	-12	-11	-10	-7	-8	-10	-9	-8	-7	-5	-4	-2	-3	-2	1	3	3	3	2	1	1	1	1	2	-3.3	3.3	
22-Mar-07	2	3	3	3	2	1	1	2	3	4	5	6	6	6	6	6	5	5	4	4	3	2	2	1	3.5	6.3	
23-Mar-07	0	0	0	-1	-1	-1	0	0	1	3	5	5	7	9	10	9	8	7	6	5	4	3	3	2	3.5	9.9	
24-Mar-07	4	3	2	2	1	1	-1	0	1	3	6	8	6	6	6	5	4	4	4	2	0	-1	-1	-1	2.4	7.6	
25-Mar-07	-1	-2	-2	-3	-2	-2	-2	-1	0	1	3	4	5	5	5	5	5	5	4	2	1	1	1	-1	1.2	5.4	
26-Mar-07	-1	-1	-2	-3	-4	-4	-4	-2	-1	1	5	4	6	9	8	8	8	5	5	4	3	2	2	1	1.9	8.6	
27-Mar-07	0	0	-1	-2	-2	-2	-3	-1	-2	0	4	5	5	5	5	4	4	4	3	1	0	-2	-4	-3	0.7	5.3	
28-Mar-07	-4	-5	-5	-6	-6	-6	-7	-5	-3	-1	3	4	2	9	8	9	7	6	4	2	1	2	1	1	0.5	8.9	
29-Mar-07	1	1	0	1	1	1	1	0	2	3	4	5	6	8	10	11	10	9	7	6	4	4	5	5	4.4	11.3	
30-Mar-07	5	5	5	4	3	1	0	1	0	3	5	7	9	7	7	8	6	4	2	1	1	0	-1	-2	3.3	9.1	
31-Mar-07	-3	-3	-4	-6	-7	-6	-7	-4	-4	-4	-3	-1	0	-1	-1	-1	-2	-3	-4	-6	-7	-8	-9	-10	-4.3	0.1	
Hourly Avg	-6.4	-6.7	-7.0	-7.4	-7.7	-7.8	-7.9	-7.6	-6.7	-5.4	-3.8	-2.5	-1.4	-0.6	0.0	-0.2	-1.1	-2.2	-3.5	-4.5	-5.0	-5.5	-5.9	-6.1			
Hourly Max	4.5	4.8	4.7	4.0	2.7	1.4	1.2	1.8	2.8	3.5	5.9	7.6	9.1	9.0	9.9	11.3	9.6	8.6	7.2	6.0	4.3	4.2	5.0	4.9			

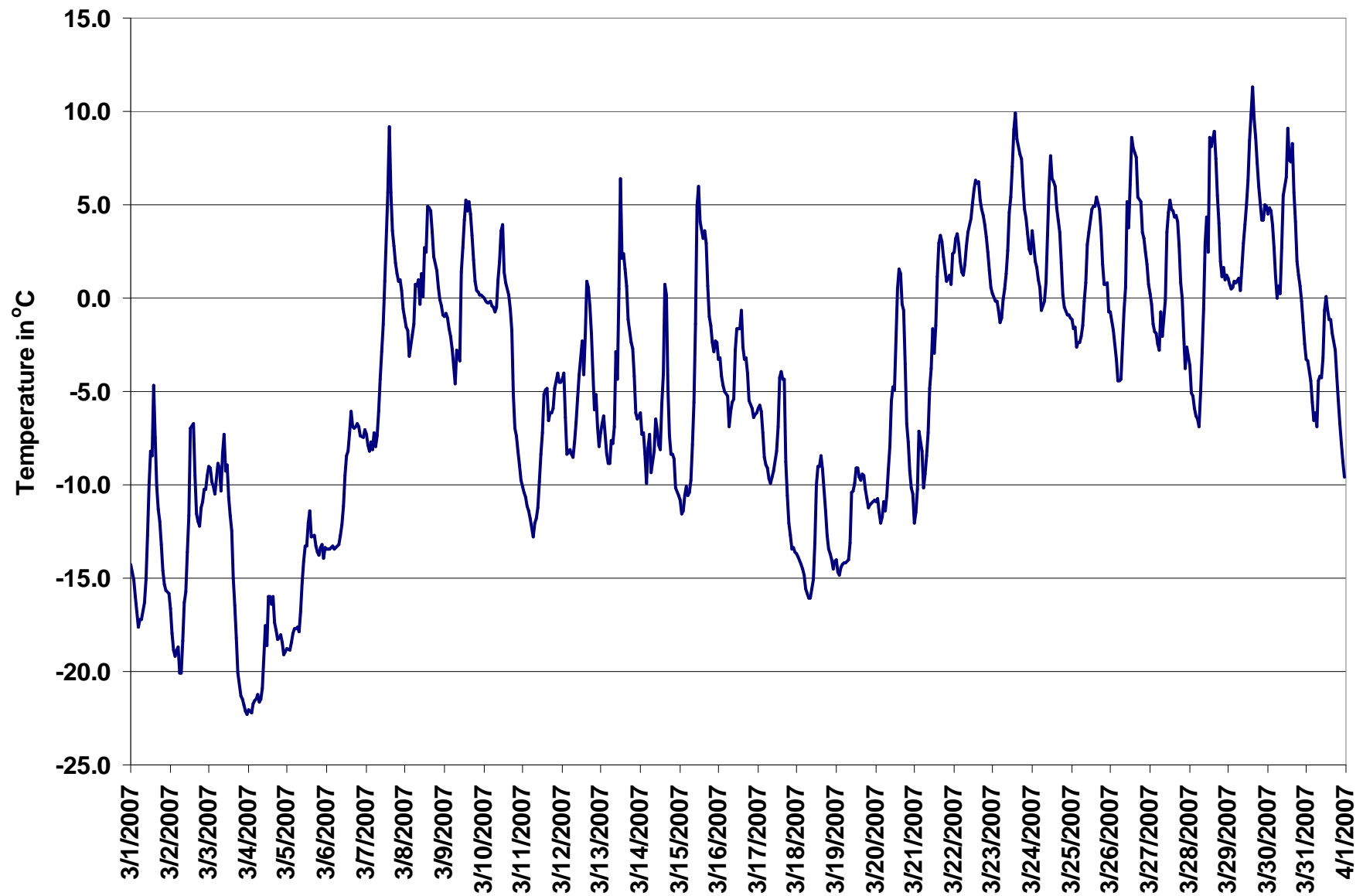


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

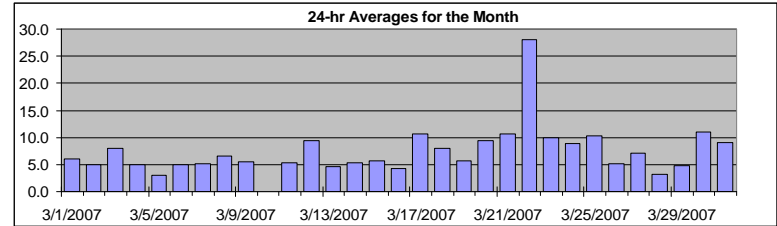
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	37.3	km/hr	22-Mar	13:00 14:00
Maximum 24-hr Value:	28.1	km/hr	22-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	730 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	98.1%				
Percentile	99	95	75	50	25	5	1	AverageS
	31.0	21.2	9.1	5.5	3.5	1.9	1.3	7.6 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-Mar-07	5	5	6	6	5	3	2	5	5	5	5	4	4	5	4	6	8	9	8	9	12	10	8	7	6.0	11.6
2-Mar-07	8	10	8	7	5	3	2	5	4	11	9	5	4	1	1	2	5	6	6	4	6	2	3	3	4.9	10.8
3-Mar-07	4	4	4	2	4	4	5	5	13	6	6	5	11	13	13	15	15	15	10	7	8	8	8	8.0	15.5	
4-Mar-07	6	5	6	6	6	3	7	8	6	7	2	6	4	4	3	4	5	4	4	2	2	6	6	6	5.0	8.1
5-Mar-07	6	5	4	2	2	2	2	3	2	1	2	3	3	2	2	4	3	2	1	2	4	5	7	4	2.9	6.6
6-Mar-07	7	6	7	6	6	7	8	8	9	9	7	5	4	3	3	2	3	4	2	2	3	3	4	3	5.0	9.3
7-Mar-07	3	2	2	4	4	4	4	2	3	5	4	4	6	6	4	15	17	11	6	5	4	3	3	N	5.1	16.7
8-Mar-07	N	N	N	N	N	N	17	12	6	11	4	8	6	7	6	6	5	7	3	3	4	4	5	4	6.6	17.5
9-Mar-07	8	5	6	5	4	3	2	3	5	7	5	6	5	7	7	6	9	9	8	6	5	3	4	5.6	9.1	
10-Mar-07	5	5	2	N	N	N	N	N	N	N	3	2	5	10	10	12	13	11	11	11	9	12	12	13	N	13.2
11-Mar-07	8	9	7	4	3	2	3	6	10	9	6	6	5	4	5	4	5	3	3	6	4	3	7	3	5.3	10.1
12-Mar-07	4	9	16	15	8	9	8	10	3	4	5	4	3	7	7	6	21	25	20	11	7	16	6	4	9.4	24.7
13-Mar-07	14	10	9	8	5	5	4	3	3	3	5	3	2	2	4	4	3	5	3	6	5	2	2	3	4.6	13.7
14-Mar-07	3	3	3	3	4	6	4	4	5	7	11	14	13	9	6	2	2	4	6	6	4	3	4	3	5.4	13.9
15-Mar-07	3	4	3	3	3	2	3	3	3	3	3	2	1	8	18	17	15	9	11	10	3	4	4	4	5.8	17.9
16-Mar-07	5	3	2	3	2	2	3	2	4	5	2	2	5	4	3	7	8	6	5	7	5	4	8	5	4.3	7.9
17-Mar-07	3	8	9	11	17	14	13	13	11	11	10	8	8	7	8	8	11	18	13	9	10	11	13	12	10.6	17.7
18-Mar-07	10	9	8	7	7	5	8	8	8	9	10	9	6	7	7	3	2	5	9	10	12	12	13	8	8.0	13.2
19-Mar-07	7	10	3	5	6	5	3	5	4	2	4	5	6	8	11	9	6	6	6	6	7	4	5	3	5.6	11.1
20-Mar-07	3	4	3	3	2	2	5	6	6	5	3	3	5	9	31	31	28	29	20	10	6	4	4	5	9.3	30.8
21-Mar-07	2	2	7	17	12	1	3	2	5	5	3	3	9	8	7	18	17	10	15	11	22	28	17	33	10.7	33.4
22-Mar-07	28	30	33	27	29	28	24	32	28	31	36	31	30	37	37	34	31	28	31	22	21	19	16	12	28.1	37.3
23-Mar-07	11	5	2	3	5	5	6	6	6	7	7	7	7	6	4	16	21	20	14	14	20	16	16	17	10.0	21.1
24-Mar-07	21	20	16	15	15	12	8	6	14	5	4	4	6	6	7	10	11	10	10	4	4	2	3	2	8.9	21.1
25-Mar-07	1	1	1	1	2	2	1	3	4	9	9	21	25	27	28	21	21	22	13	11	8	5	6	6	10.4	28.4
26-Mar-07	7	5	6	8	4	2	2	4	5	4	3	4	4	5	7	6	7	10	7	2	4	5	5	3	5.1	10.1
27-Mar-07	4	3	3	3	4	3	3	2	4	4	7	19	19	15	16	17	11	8	6	6	5	4	4	3	7.2	19.1
28-Mar-07	1	3	3	4	3	4	4	3	3	3	2	2	5	2	3	2	4	4	3	5	3	4	4	4	3.3	4.9
29-Mar-07	4	6	6	7	5	5	4	4	3	4	5	6	7	6	5	3	3	3	3	4	3	4	5	8	4.7	8.2
30-Mar-07	6	6	6	4	7	7	9	6	5	4	4	4	2	7	11	13	25	23	29	24	21	19	13	12	11.1	28.8
31-Mar-07	8	4	5	4	4	5	6	2	7	10	8	6	11	13	16	16	16	12	11	12	12	10	11	11	9.1	16.1
1-hr Average	6.8	6.7	6.5	6.6	6.2	5.4	5.8	6.1	6.4	6.9	6.3	6.8	7.4	8.3	9.4	10.3	11.3	10.8	9.5	7.9	7.8	7.6	7.2	7.0		
Hourly Max	27.5	30.4	33.2	26.6	28.9	28.5	24.0	31.9	27.9	30.7	35.6	30.8	30.3	37.3	36.9	34.4	31.1	28.5	30.6	24.2	22.1	28.2	16.7	33.4		

PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

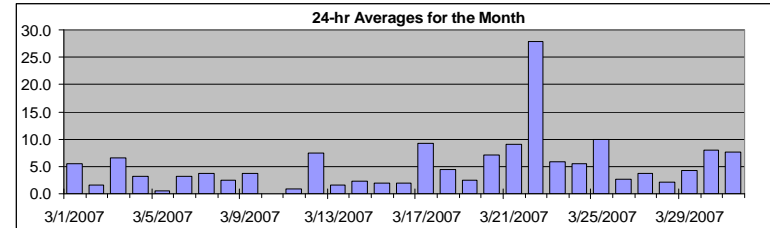
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	37.2	km/hr	22-Mar	13:00 14:00
Maximum 24-hr Value:	27.9	km/hr	22-Mar	



Calm Time:	13 hrs	2% calms	Operational Time:	717 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	98.1%				
Percentile	99	95	75	50	25	5	1	AverageV
	30.9	21.2	9.0	5.2	2.8	1.4	0.9	5.3 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max
	Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00		
1-Mar-07	5	5	5	5	5	2	1	4	5	4	4	2	4	5	3	6	8	9	8	8	12	10	8	7	5.5	11.6
2-Mar-07	8	9	8	6	5	2	2	4	4	11	9	5	4	1	1	4	3	5	2	4	1	3	2	1.6	10.8	
3-Mar-07	3	3	4	1	2	3	4	4	12	5	6	5	10	13	13	14	15	15	10	7	8	8	8	6.6	15.2	
4-Mar-07	6	5	6	6	5	3	7	8	6	7	2	6	3	3	2	2	4	3	3	2	2	5	6	3.1	7.9	
5-Mar-07	6	5	4	2	1	calm	2	3	2	1	2	3	3	2	2	4	3	2	1	2	4	5	7	0.5	6.5	
6-Mar-07	7	6	7	6	5	7	8	8	8	9	7	5	4	3	2	1	2	4	1	1	1	3	2	3.2	9.2	
7-Mar-07	3	1	1	2	2	calm	3	1	2	2	1	2	3	2	2	14	17	10	4	3	4	2	3	3.7	16.5	
8-Mar-07	N	N	N	N	N	N	17	12	5	9	2	8	6	7	6	6	4	4	3	3	3	4	4	2.4	17.1	
9-Mar-07	8	5	6	5	3	2	2	2	2	6	5	4	5	7	7	6	8	9	8	5	5	5	3	3.7	9.0	
10-Mar-07	5	5	2	N	N	N	N	N	N	3	1	5	10	10	12	13	11	11	10	9	12	12	13	N	13.0	
11-Mar-07	8	9	7	4	3	2	2	6	10	9	6	6	5	3	5	4	5	3	calm	5	4	2	7	0.8	10.1	
12-Mar-07	3	9	16	14	8	9	8	10	3	4	5	2	1	7	7	3	20	25	20	10	6	16	6	7.4	24.6	
13-Mar-07	14	10	8	6	4	2	3	2	2	2	1	2	2	1	3	3	2	4	2	6	4	2	2	1.7	13.6	
14-Mar-07	2	3	3	2	3	5	3	4	4	7	11	14	13	8	6	1	2	4	6	6	4	2	3	2.3	13.8	
15-Mar-07	3	4	3	3	2	2	3	3	2	3	3	1	calm	7	18	17	15	9	11	10	2	4	4	1.9	17.8	
16-Mar-07	5	3	1	3	1	2	3	2	4	5	calm	2	4	2	1	7	8	6	5	7	4	3	8	1.9	7.8	
17-Mar-07	3	8	9	11	17	14	13	13	11	11	10	8	7	6	8	7	11	18	13	8	10	11	13	9.2	17.6	
18-Mar-07	10	9	8	7	7	5	8	8	8	9	10	8	6	6	7	1	2	4	9	10	12	11	13	4.4	13.1	
19-Mar-07	6	8	2	2	6	5	3	5	4	calm	2	5	6	8	11	9	5	6	5	4	1	4	2	2.5	10.9	
20-Mar-07	1	3	2	1	2	1	4	5	6	5	3	2	4	7	31	31	28	28	13	9	5	3	4	7.1	30.7	
21-Mar-07	1	2	6	17	12	calm	3	2	5	5	3	1	9	8	6	18	16	10	15	10	22	28	17	9.1	33.3	
22-Mar-07	27	30	33	26	29	28	24	32	28	31	36	31	30	37	37	34	31	28	30	22	21	19	16	27.9	37.2	
23-Mar-07	10	2	1	2	4	5	6	6	6	6	7	6	7	5	3	16	21	19	13	14	20	16	16	5.9	21.1	
24-Mar-07	21	20	16	15	15	12	8	6	13	5	3	1	6	6	7	10	10	9	10	4	3	1	2	5.5	21.0	
25-Mar-07	calm	calm	1	1	2	2	1	3	4	9	9	21	25	27	28	21	21	21	13	11	8	5	6	9.9	28.3	
26-Mar-07	7	5	6	8	1	2	2	4	5	4	3	3	4	5	7	6	6	10	6	2	3	5	5	2.6	10.0	
27-Mar-07	3	3	3	3	4	3	2	1	3	3	7	19	19	15	15	16	10	8	6	6	5	2	4	3.8	19.0	
28-Mar-07	1	3	3	3	2	2	3	3	3	3	2	calm	5	1	calm	1	1	3	2	2	3	4	4	2.2	4.5	
29-Mar-07	4	5	6	7	5	5	3	4	2	4	5	6	6	6	5	1	2	3	3	2	3	5	8	4.3	7.9	
30-Mar-07	6	5	6	1	6	6	8	5	5	2	4	3	calm	7	11	13	25	22	28	24	21	19	13	8.0	28.4	
31-Mar-07	8	3	4	4	2	5	5	calm	7	9	8	6	10	13	16	16	16	11	11	11	12	10	11	7.7	16.1	
1-hr Vector	1.9	1.2	2.0	2.1	1.8	1.3	1.5	1.5	1.4	1.2	1.8	1.9	1.6	2.6	3.7	4.1	4.9	4.8	4.2	2.9	3.2	2.2	1.4	1.6		
Hourly Max	27.5	30.3	33.1	26.5	28.7	28.4	23.9	31.8	27.9	30.6	35.5	30.7	30.2	37.2	36.8	34.2	30.9	28.5	30.5	24.2	22.0	28.1	16.6	33.3		

PASZA - Beaverlodge - Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	737 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.1%				
Percentile	99	95	75	50	25	5	1	Average
	357.2	344.3	273.9	168.4	89.9	15.0	1.8	301 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			23:00 0:00
1-Mar-07	357	340	6	356	30	29	18	352	346	22	312	56	298	319	15	341	336	338	15	359	341	346	350	351	352	N	
2-Mar-07	341	337	343	345	317	29	74	103	126	140	142	142	169	161	46	2	7	352	323	12	310	71	284	341	9	N	
3-Mar-07	347	178	183	166	102	67	318	28	348	12	7	12	9	0	7	41	43	30	30	29	20	7	356	9	18	NNE	
4-Mar-07	0	10	357	16	26	66	124	116	86	122	107	134	107	132	248	144	118	81	102	99	27	54	43	30	76	ENE	
5-Mar-07	37	29	41	350	52	112	277	264	273	233	265	265	236	207	199	184	165	159	91	46	36	54	55	147	55	NE	
6-Mar-07	133	124	116	112	135	130	131	135	133	143	142	151	186	180	204	114	285	332	317	90	220	276	344	358	138	SE	
7-Mar-07	343	68	30	1	28	6	53	32	24	0	318	30	346	350	5	346	351	2	13	140	205	165	132	N	4	N	
8-Mar-07	N	N	N	N	N	N	279	267	260	310	149	173	125	135	147	181	134	203	126	106	120	114	117	108	189	S	
9-Mar-07	143	134	120	120	87	336	76	231	344	38	52	356	68	35	41	41	23	21	24	49	58	58	115	135	55	NE	
10-Mar-07	141	136	165	156	139	182	202	58	36	59	72	3	65	57	82	98	79	62	33	40	10	30	29	44	N	-	
11-Mar-07	15	27	39	32	335	21	131	134	128	127	127	151	179	208	273	288	326	69	194	300	309	259	192	206	107	ESE	
12-Mar-07	357	14	343	344	320	324	340	317	316	317	317	227	173	287	249	299	289	284	277	258	246	256	243	226	296	WNW	
13-Mar-07	262	274	249	244	232	94	250	218	157	146	201	238	223	41	96	53	64	125	77	266	269	73	76	72	235	SW	
14-Mar-07	276	66	79	233	55	44	26	304	10	358	327	327	331	348	29	307	125	144	132	111	125	161	205	78	6	N	
15-Mar-07	84	69	72	85	87	118	87	83	108	124	184	165	120	260	284	284	271	265	268	260	215	74	76	110	267	W	
16-Mar-07	99	111	170	169	214	240	255	243	283	291	33	127	147	172	256	133	144	125	133	164	185	201	320	257	175	S	
17-Mar-07	252	299	330	329	325	328	328	338	341	337	334	338	4	15	12	43	22	31	25	359	304	307	319	321	342	NNW	
18-Mar-07	334	347	344	342	331	338	325	343	338	343	333	343	359	16	32	221	170	113	109	82	80	98	103	83	20	NNE	
19-Mar-07	97	75	286	96	124	108	107	115	57	299	267	278	289	309	319	332	359	324	309	319	334	340	23	346	349	N	
20-Mar-07	353	59	294	327	37	304	302	335	282	299	259	189	160	300	275	277	264	276	330	338	327	5	41	44	294	WNW	
21-Mar-07	231	75	279	265	254	134	176	111	163	187	88	151	213	214	223	259	263	245	236	244	251	253	257	268	248	WSW	
22-Mar-07	258	263	268	264	259	261	262	273	271	273	280	280	285	277	274	271	269	261	266	261	268	264	262	260	269	269	W
23-Mar-07	257	227	138	163	110	120	131	128	135	140	132	127	93	130	191	256	262	259	270	267	257	230	232	242	229	SW	
24-Mar-07	256	262	270	274	282	279	273	245	250	237	211	137	82	110	103	134	168	204	256	294	241	254	360	74	249	WSW	
25-Mar-07	142	138	163	199	254	259	239	235	206	227	252	259	258	258	258	265	261	272	266	252	223	230	240	237	254	WSW	
26-Mar-07	258	266	243	246	203	130	174	236	241	215	204	93	82	118	132	152	231	252	239	157	111	99	145	101	200	SSW	
27-Mar-07	113	140	113	90	60	69	99	222	74	228	301	292	286	298	295	286	310	2	4	31	32	294	79	86	315	NW	
28-Mar-07	117	82	95	124	136	158	128	91	92	115	130	148	99	237	164	118	147	285	52	340	83	110	161	135	119	ESE	
29-Mar-07	90	114	119	126	118	112	141	206	118	82	103	106	99	108	112	161	79	59	63	65	80	97	107	111	107	ESE	
30-Mar-07	120	124	112	142	314	339	355	42	296	348	289	266	252	34	341	322	303	296	288	282	289	282	282	279	301	WNW	
31-Mar-07	278	296	248	254	62	13	356	334	18	1	328	344	17	32	33	30	29	13	6	4	357	1	1	355	6	N	
Hourly Avg	285	322	307	292	306	340	303	288	307	307	290	281	302	309	298	292	296	300	306	307	295	293	317	311			

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	737 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	99.1%			
Percentile	99	95	75	50	25	5	1
	57.4	47.4	21.9	11.0	6.6	3.6	2.5

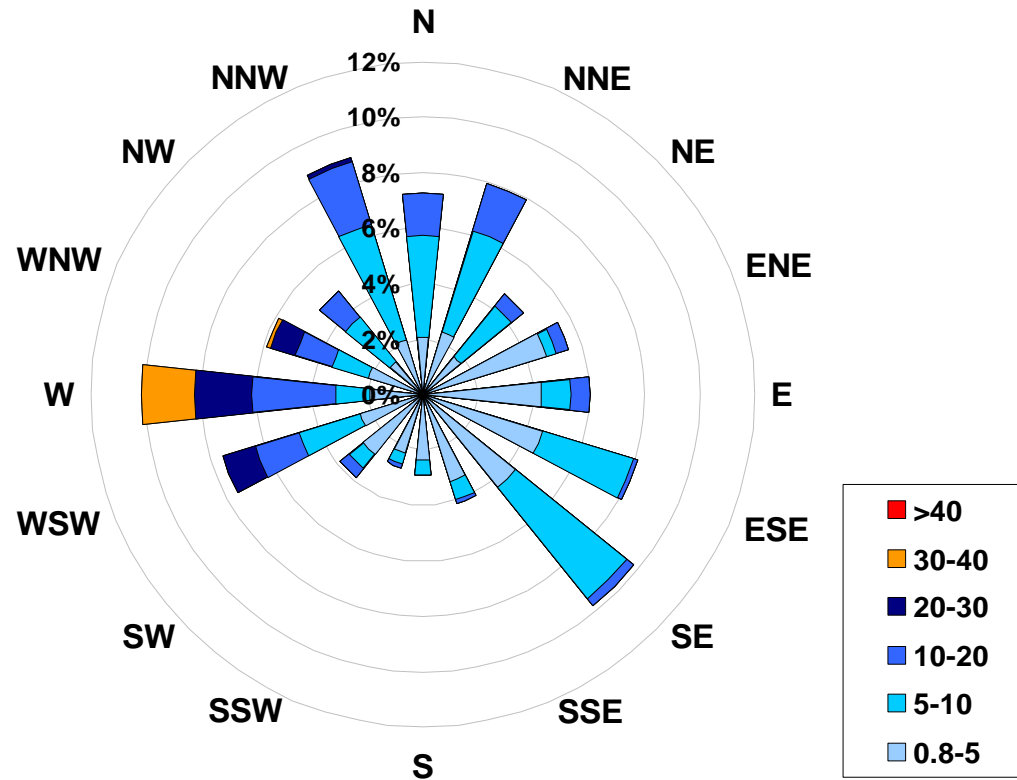
Status Flag Characters

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

Day Mountain Standard Time

Day	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	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-Mar-07	11	14	8	19	32	30	31	21	10	14	25	32	41	8	41	12	5	8	8	9	4	4	6	9	10	41.2	
2-Mar-07	8	5	5	12	17	20	6	7	9	5	7	10	13	41	27	31	19	37	20	44	47	45	43	30		46.8	
3-Mar-07	14	18	14	31	27	46	47	31	26	23	19	37	13	12	12	6	7	7	7	8	8	13	13	11		47.3	
4-Mar-07	12	15	14	12	9	18	7	8	8	11	51	9	23	15	25	24	20	19	18	18	15	8	6	6		51.0	
5-Mar-07	7	12	9	21	23	34	11	7	12	45	10	14	12	24	31	17	15	21	22	27	9	18	6	22		44.8	
6-Mar-07	6	6	6	6	6	5	5	4	5	5	7	8	14	10	38	54	25	18	40	26	40	16	36	27		53.9	
7-Mar-07	28	35	55	55	43	49	41	45	55	65	65	50	37	50	45	8	7	9	18	14	10	20	20	N		65.2	
8-Mar-07	N	N	N	N	N	N	12	7	19	13	34	5	15	8	8	6	9	19	9	9	11	17	9	11		34.4	
9-Mar-07	10	40	8	16	26	51	38	57	35	51	28	20	16	9	6	8	11	6	13	9	13	6	11	9		57.2	
10-Mar-07	4	8	15	13	10	7	19	8	10	39	10	35	13	4	6	5	4	6	5	5	7	4	5	5		39.3	
11-Mar-07	6	7	6	9	8	36	31	8	3	3	12	11	14	17	10	12	14	18	15	16	23	50	6	25		49.8	
12-Mar-07	20	8	7	10	9	10	10	5	22	11	13	30	59	20	6	30	4	3	2	10	10	2	7	59		59.2	
13-Mar-07	4	9	20	41	32	51	57	25	19	19	32	32	27	49	10	26	30	15	37	9	18	34	50	7		57.3	
14-Mar-07	23	38	26	29	35	10	50	38	32	16	5	4	5	9	8	55	15	14	13	6	9	22	21	9		54.8	
15-Mar-07	16	13	14	12	10	13	9	10	20	23	13	21	48	11	4	5	6	12	4	5	33	5	8	7		48.2	
16-Mar-07	5	11	17	9	35	24	15	27	12	9	45	22	16	18	22	9	5	6	7	9	25	20	7	15		45.0	
17-Mar-07	22	6	12	6	2	4	6	6	7	8	7	14	17	17	16	14	16	4	6	13	5	4	5	7		21.7	
18-Mar-07	7	11	9	9	6	6	5	9	7	9	8	9	18	17	4	37	14	9	7	8	5	9	5	10		36.7	
19-Mar-07	17	16	52	38	11	10	24	17	6	39	33	4	6	7	5	7	20	14	12	20	35	20	31	46		51.7	
20-Mar-07	32	31	39	46	19	41	46	9	32	10	16	19	11	24	4	4	4	3	23	9	13	14	14	41		46.3	
21-Mar-07	57	41	23	4	13	52	16	24	17	7	20	23	4	5	10	8	4	7	6	7	3	2	5	4		57.4	
22-Mar-07	3	4	4	5	3	3	4	3	3	4	3	5	4	4	4	4	4	5	3	7	3	3	2	6		6.6	
23-Mar-07	5	27	36	37	11	9	6	8	10	9	10	11	9	21	31	8	2	4	4	6	4	4	3	5		36.6	
24-Mar-07	2	3	4	3	4	3	5	36	6	16	13	46	5	8	9	5	6	13	6	12	10	57	27	13		56.6	
25-Mar-07	41	39	18	28	19	27	34	11	14	8	7	3	3	3	4	6	3	5	3	5	11	9	8	11		41.2	
26-Mar-07	10	10	10	6	37	29	14	6	5	10	11	20	8	12	6	10	14	4	5	30	14	9	15	11		37.3	
27-Mar-07	13	11	8	17	11	33	49	23	10	18	13	4	4	6	5	5	10	11	9	4	4	19	41	13		49.3	
28-Mar-07	25	16	9	11	19	35	24	18	11	7	13	48	14	53	49	64	42	52	33	29	14	15	9	10		64.1	
29-Mar-07	14	9	7	5	8	10	9	11	22	8	12	6	7	9	19	59	13	19	37	37	36	22	8	14		59.0	
30-Mar-07	13	9	5	65	15	33	17	39	7	24	25	28	53	14	6	7	4	6	7	3	3	3	2	3		65.3	
31-Mar-07	6	22	15	6	50	8	24	44	20	9	6	17	14	10	4	5	5	9	8	8	9	9	9	10		49.6	
Hourly Max	57	41	55	65	50	52	57	57	55	65	65	50	59	53	49	64	42	52	40	44	47	57	50	59			

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



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	323
5	to	10	246
10	to	20	114
20	to	30	32
30	to	40	15
	>	40	0
Total Non-Zero Values			730

PASZA – Portable-Falher Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Portable-Fahler - Sulphur Dioxide Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)

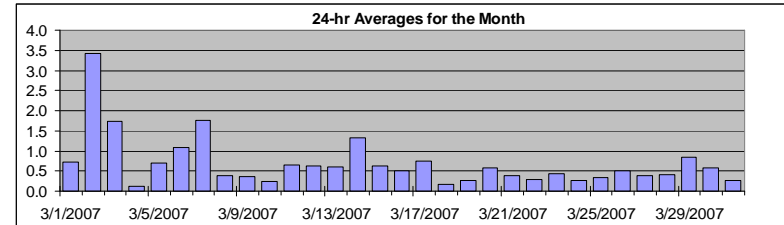
Monitoring Dates: March 1, 2007 to April 1, 2007

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:	13.6	ppb	2-Mar	19:00 20:00
Maximum 24-hr Average:	3.4	ppb	2-Mar	

AIC Time:	34 hrs		Operational Time:	707 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	100.0%					
Percentile	99	95	75	50	25	5	1	Average	Median
	4.6	2.1	0.7	0.4	0.2	0.0	0.0	0.7 ppb	0.4 ppb



Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	0	0	A	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	0	0.7	1.8	
2-Mar-07	0	A	0	0	0	0	0	0	0	1	1	C	C	C	A	2	3	7	13	14	9	5	5	4	3.4	13.6	
3-Mar-07	5	5	5	A	4	4	3	1	2	2	2	1	0	0	1	1	1	1	1	0	0	0	1	1	1.7	5.0	
4-Mar-07	0	0	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.8	
5-Mar-07	0	A	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0.7	1.2	
6-Mar-07	A	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	4	4	A	1.1	4.2	
7-Mar-07	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	A	1	1.8	3.0
8-Mar-07	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0.4	2.1	
9-Mar-07	0	0	1	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7	
10-Mar-07	0	0	A	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.2	0.5	
11-Mar-07	0	A	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	2	1	1	1	0.6	1.9	
12-Mar-07	A	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	A	0.6	1.2	
13-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	1	1	1	1	1	0	0	A	0.6	1.6	
14-Mar-07	0	0	0	0	0	0	0	1	1	1	2	2	2	3	3	3	3	2	2	2	1	A	1	1	1.3	2.8	
15-Mar-07	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	A	0	0	0	0.6	1.3	
16-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	1	A	1	1	1	1	0.5	2.6	
17-Mar-07	0	1	1	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	0	0	0.8	1.5	
18-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.2	0.5	
19-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	A	1	0	0	0	0	0	0	0.3	0.6	
20-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	A	1	1	1	2	1	1	1	1	0.6	1.6	
21-Mar-07	1	1	1	1	0	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.4	0.8	
22-Mar-07	0	0	0	0	0	0	0	0	0	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.3	0.5	
23-Mar-07	0	0	0	0	0	0	0	0	0	0	0	1	1	A	1	0	1	1	1	0	0	0	0	0	0.4	1.0	
24-Mar-07	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	1	0	0	0	0	0.3	0.8	
25-Mar-07	0	0	0	0	0	0	0	0	0	1	A	1	0	1	0	0	0	0	0	0	0	0	0	0	0.3	0.6	
26-Mar-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	2	0	3	2	1	0	0	0	0	0	0.5	2.7	
27-Mar-07	0	0	0	A	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.0	
28-Mar-07	0	0	A	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0.4	1.2
29-Mar-07	1	A	0	1	1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.8	2.1	
30-Mar-07	A	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	A	0.6	0.8	
31-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.3	0.4	
Hourly Avg	0.6	0.6	0.6	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.7	0.8	0.7	0.8	1.0	1.0	1.0	0.8	0.7	0.7	0.6		
Hourly Max	4.6	5.0	4.7	1.9	3.8	3.9	3.0	2.1	2.1	2.1	2.1	1.8	2.1	2.7	2.8	2.6	3.1	6.8	12.8	13.6	9.0	5.2	4.5	4.2			

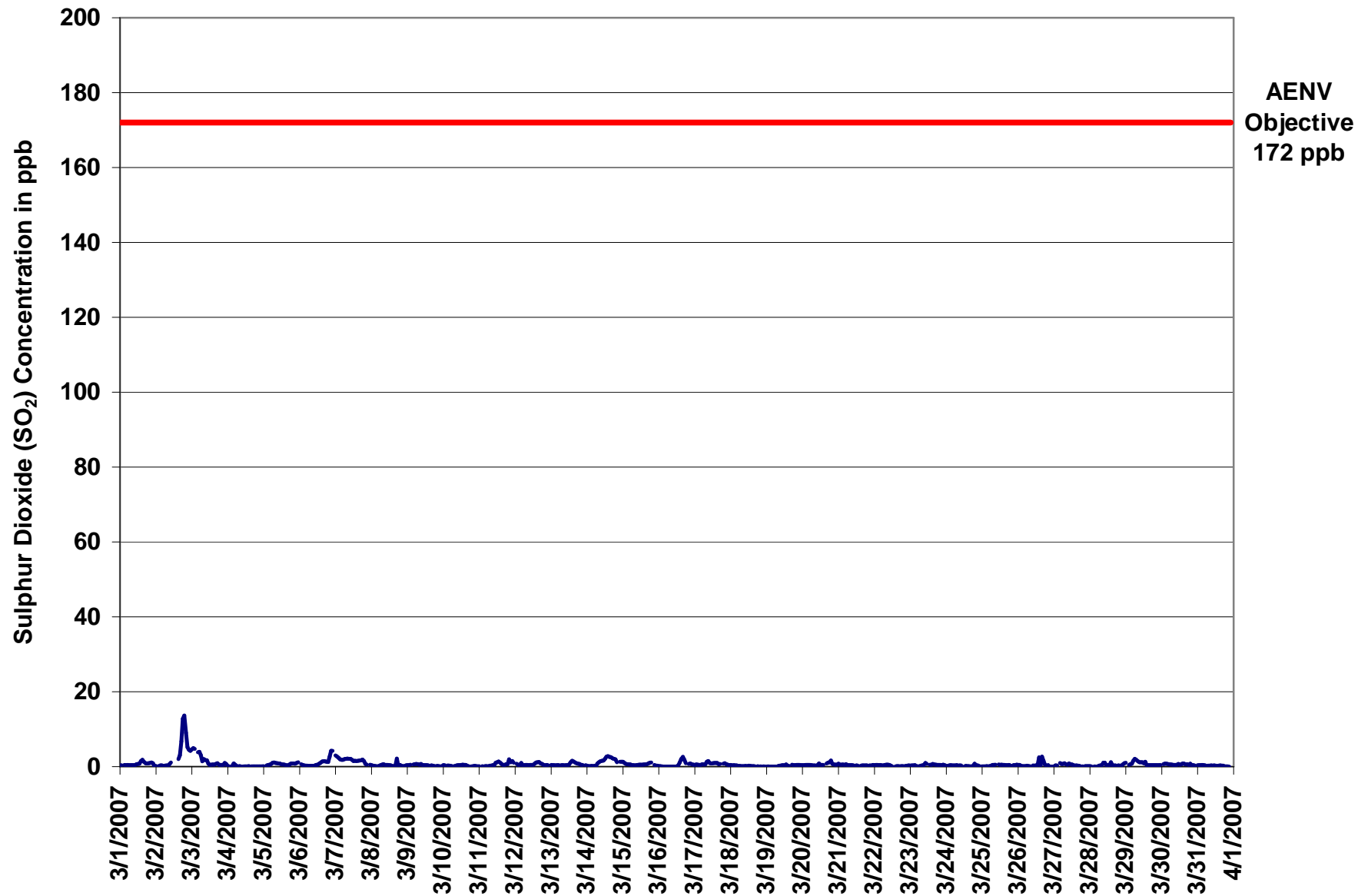


Figure 46. PASZA - Portable-Fahler Sulphur Dioxide 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

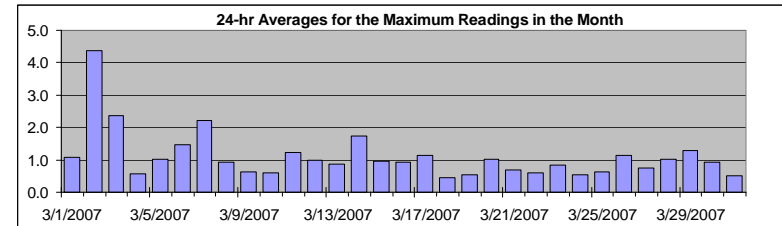
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

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

Summary

Maximum 1-hr Value:	15.6	ppb	2-Mar	18:00 19:00
Maximum 24-hr Value:	4.4	ppb	2-Mar	



AIC Time:	34 hrs	Operational Time:	707 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	6.1	2.7	1.0	0.8	0.5	0.4	0.3	1.1 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	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	24-hour Average	Daily Maximum	
1-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	0	1.1	2.1	
2-Mar-07	0	A	0	1	0	0	0	0	0	2	1	C	C	C	A	2	5	9	16	15	11	6	6	4	4.4	15.6	
3-Mar-07	5	5	5	A	4	4	4	3	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2.4	5.5	
4-Mar-07	0	0	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0.6	1.1	
5-Mar-07	1	A	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6	
6-Mar-07	A	1	1	1	0	1	0	0	0	0	0	1	1	1	1	2	2	2	2	4	5	5	A	1	1.5	4.8	
7-Mar-07	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2	3	2	1	1	A	1	1	2.2	3.4	
8-Mar-07	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	7	0	3	0	0	0	0	0.9	6.5	
9-Mar-07	0	1	1	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	1.0	
10-Mar-07	1	1	A	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.6	1.0	
11-Mar-07	1	A	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	3	3	2	2	2	1.2	3.0	
12-Mar-07	A	2	0	1	3	0	0	1	1	0	0	0	1	1	2	2	2	1	1	1	0	1	1	A	1.0	3.2	
13-Mar-07	1	1	0	0	0	0	0	0	1	0	0	0	1	2	2	2	2	1	1	1	1	1	A	0	0.9	2.1	
14-Mar-07	0	0	0	0	0	0	0	2	2	2	2	2	3	3	3	3	3	3	3	2	2	A	2	2	1.7	3.2	
15-Mar-07	2	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0	0.9	1.6	
16-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	1	A	1	1	1	1	0.9	3.1	
17-Mar-07	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1	A	1	1	1	1	1	1.1	2.1	
18-Mar-07	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0.5	0.5	
19-Mar-07	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	A	1	0	0	1	0	0	1	0.5	1.0	
20-Mar-07	0	0	1	1	1	1	0	0	0	1	2	2	1	1	1	A	1	2	2	3	1	1	1	1	1.0	2.7	
21-Mar-07	1	1	1	1	1	1	1	0	0	1	0	1	1	1	A	0	1	1	0	0	1	1	1	1	0.7	1.0	
22-Mar-07	1	1	1	0	1	0	1	1	1	1	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0.6	1.0	
23-Mar-07	0	0	0	0	0	0	0	0	1	1	2	2	A	1	1	1	1	1	1	1	1	0	1	1	0.8	1.6	
24-Mar-07	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	2	0	0	0	0	0.5	1.6	
25-Mar-07	0	0	0	0	0	0	0	1	0	1	A	1	1	1	0	1	0	0	0	0	0	0	0	1	0.6	1.0	
26-Mar-07	0	0	0	0	0	0	0	0	0	A	0	0	0	1	4	1	6	3	1	1	2	0	0	0	1.1	6.5	
27-Mar-07	0	0	0	A	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.7	2.0	
28-Mar-07	0	0	A	0	0	0	1	1	0	3	2	1	1	1	5	3	0	0	0	0	0	0	1	1	1.0	4.8	
29-Mar-07	1	A	1	1	1	3	3	2	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1.3	2.6	
30-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	0.9	1.0	
31-Mar-07	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0.5	1.0
Hourly Avg	0.9	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.9	1.1	1.0	0.9	0.9	1.1	1.3	1.1	1.3	1.5	1.5	1.6	1.3	1.0	1.1	0.9			
Hourly Max	5.0	5.5	4.9	2.4	4.3	4.3	4.3	3.2	3.7	3.2	2.1	2.2	2.7	3.2	4.8	3.2	6.5	8.6	15.6	15.4	11.4	6.2	6.1	4.5			

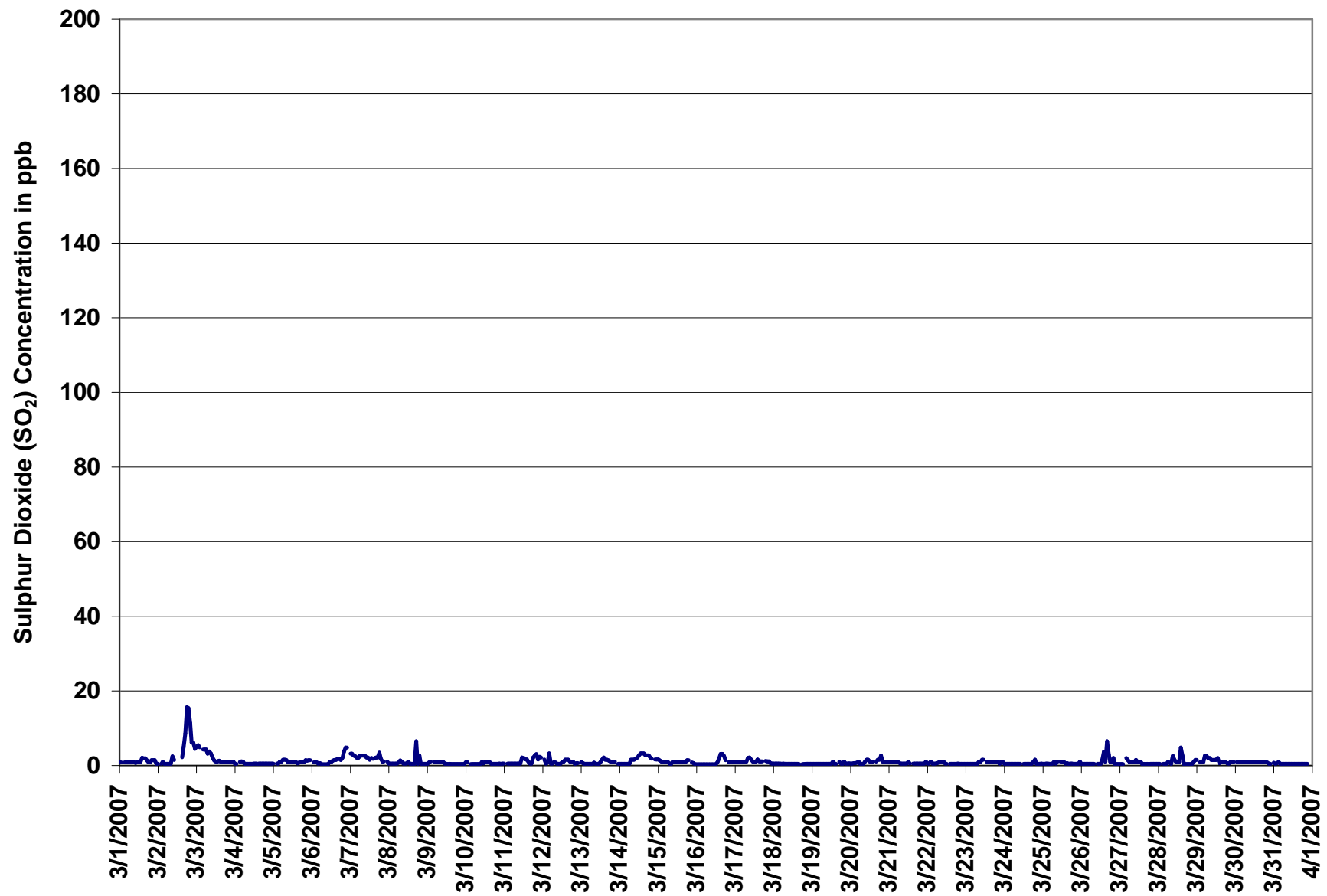
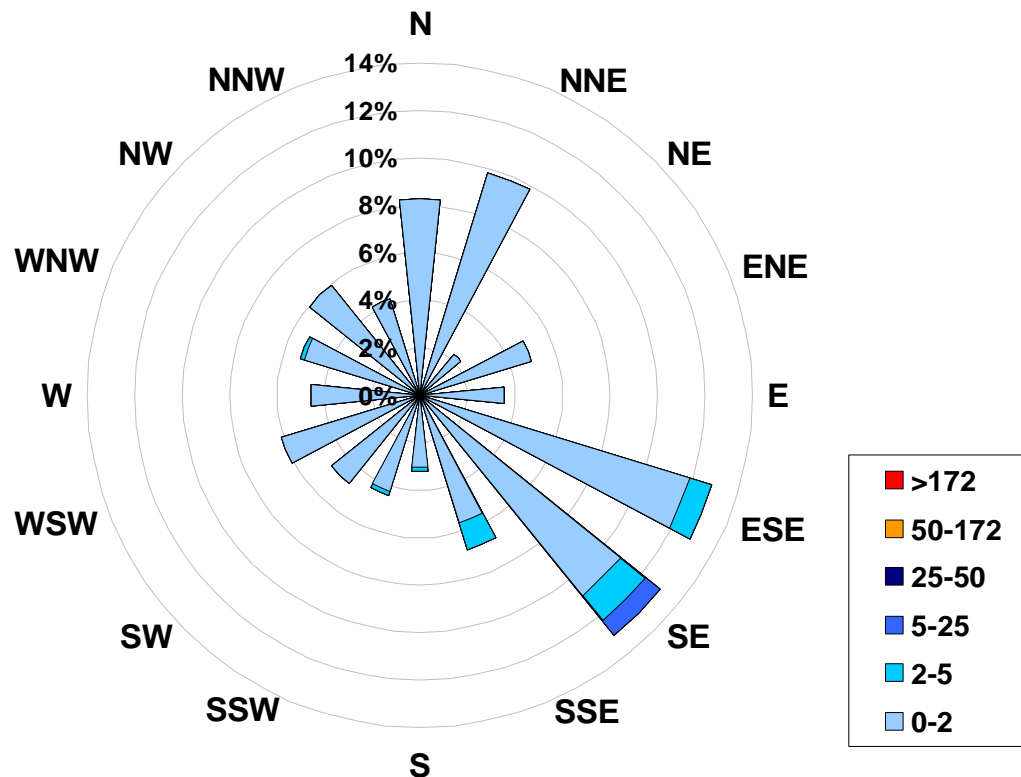


Figure 47. PASZA - Portable-Fahler Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb Range			Frequency (hrs)
0.0	<	2	669
2	to	5	33
5	to	25	5
25	to	50	0
50	to	172	0
	>	172	0
Total Non-Zero Values			707

PASZA - Portable-Fahler - Ozone Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

HOURLY AVERAGE TABLE

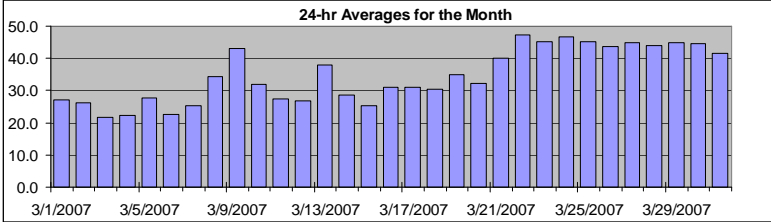
Ozone (O₃)

Monitoring Dates: March 1, 2007 to April 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:	54.3	ppb	30-Mar	15:00 16:00
Maximum 24-hr Average:	47.3	ppb	22-Mar	



AIC Time:	34 hrs	Operational Time:	708 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	51.6	49.0	43.7	33.6	27.2	20.7	18.2	34.7 ppb	33.6 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	23:00		
1-Mar-07	28	27	A	26	26	26	26	24	24	23	26	27	27	27	30	31	30	30	29	26	29	27	27	28		27.1	30.9
2-Mar-07	27	A	27	27	27	28	27	26	26	24	24	26	28	31	32	32	31	27	18	16	22	26	26	23		26.2	32.5
3-Mar-07	22	21	22	A	22	24	22	24	24	23	22	22	22	22	22	22	22	22	21	20	20	19	19	19		21.6	23.9
4-Mar-07	20	20	A	20	23	23	23	23	22	21	22	23	23	23	23	23	22	22	21	21	22	23	23	25		22.2	24.9
5-Mar-07	25	A	25	25	25	25	26	27	28	29	29	30	30	31	31	31	31	31	29	27	26	26	26	26		27.7	31.1
6-Mar-07	A	25	24	24	24	23	24	21	22	23	23	24	25	25	26	25	25	24	23	22	18	14	14	A		22.7	25.5
7-Mar-07	19	20	20	22	22	23	23	23	23	25	27	28	28	29	30	31	30	28	22	20	28	28	A	30		25.2	30.6
8-Mar-07	31	32	30	30	30	27	28	28	29	27	29	32	38	41	44	44	42	36	39	36	40	41	C	C		34.2	43.8
9-Mar-07	A	41	40	A	39	39	38	38	38	39	39	41	42	46	47	49	48	49	49	48	49	46	44	35		42.9	49.3
10-Mar-07	34	34	A	33	33	33	33	33	33	33	33	33	34	34	33	33	32	31	29	29	29	29	29	29		32.0	34.1
11-Mar-07	29	A	29	29	29	29	28	28	28	29	29	29	29	30	31	31	30	29	27	25	20	21	20	20		27.3	31.1
12-Mar-07	A	21	22	20	18	19	18	20	21	22	22	22	23	27	31	34	35	30	31	37	41	40	39	A		26.9	40.9
13-Mar-07	38	37	37	36	33	35	35	33	32	32	35	37	38	43	45	45	39	36	34	40	45	43	A	44		37.9	45.2
14-Mar-07	44	43	40	38	36	35	34	28	26	26	27	26	25	26	27	28	29	28	26	24	10	A	19	19		28.7	44.0
15-Mar-07	16	20	19	20	19	23	21	18	21	24	25	26	28	30	30	31	31	32	31	29	A	29	30	29		25.3	31.5
16-Mar-07	30	29	29	30	29	28	29	29	28	28	29	30	31	32	34	34	34	35	33	A	32	33	34	34		31.0	34.7
17-Mar-07	35	35	35	34	33	32	32	31	28	29	29	30	32	33	34	35	33	32	A	28	28	26	25	25		31.1	35.1
18-Mar-07	25	24	23	25	26	27	28	31	32	32	33	34	35	36	37	37	A	35	30	31	26	30	30		30.5	37.0	
19-Mar-07	28	31	34	34	35	35	35	34	35	36	37	37	37	38	38	38	A	36	35	35	34	33	33	33		34.9	38.3
20-Mar-07	33	32	33	32	32	31	30	30	29	29	29	31	33	33	33	A	34	33	34	37	34	34	34	34		32.4	37.1
21-Mar-07	34	34	33	33	27	30	30	34	36	39	42	44	48	49	A	50	50	50	49	47	47	48	46	47		40.1	48.9
22-Mar-07	45	45	46	46	46	47	46	46	46	47	48	49	50	A	50	50	50	49	47	47	48	46	46	47		47.3	50.3
23-Mar-07	47	47	47	46	46	46	45	45	44	45	46	47	A	45	46	47	47	45	44	43	44	45	43	41		45.3	47.1
24-Mar-07	40	41	42	43	43	45	45	45	46	47	48	A	49	51	52	49	47	47	47	46	50	51	52	49		46.8	52.0
25-Mar-07	49	50	48	48	45	43	42	41	40	39	A	40	43	47	49	49	47	47	47	43	44	45	45	45		45.0	49.8
26-Mar-07	44	44	44	43	44	43	41	41	42	A	43	44	47	49	46	49	45	45	42	40	41	44	43	43		43.8	49.3
27-Mar-07	42	43	45	A	43	41	41	38	38	40	42	47	48	48	49	49	49	48	47	47	47	46	46	45		44.8	49.1
28-Mar-07	44	39	A	37	32	36	34	33	37	41	44	47	49	51	51	50	50	49	49	49	49	48	48	48		44.1	50.9
29-Mar-07	47	A	44	45	43	41	41	41	42	43	44	45	46	45	47	45	48	49	48	49	46	46	46	44		45.0	48.6
30-Mar-07	A	38	36	37	37	37	38	37	38	39	39	41	44	50	54	54	53	51	51	52	52	53	52	A		44.7	54.3
31-Mar-07	45	44	41	40	41	40	38	38	38	38	40	41	43	44	45	45	45	44	42	42	41	41	A	41		41.5	45.1
Hourly Avg	34.1	34.0	33.9	33.0	32.6	32.7	32.3	31.9	32.1	32.5	33.6	34.5	35.8	37.1	38.2	39.0	38.1	37.1	35.9	35.1	35.4	35.8	34.6	34.4			
Hourly Max	48.7	49.8	48.4	47.6	46.3	46.5	46.4	46.1	46.4	47.5	48.1	49.5	50.1	51.2	53.7	54.3	53.3	51.3	50.7	51.6	51.9	53.3	51.8	48.9			

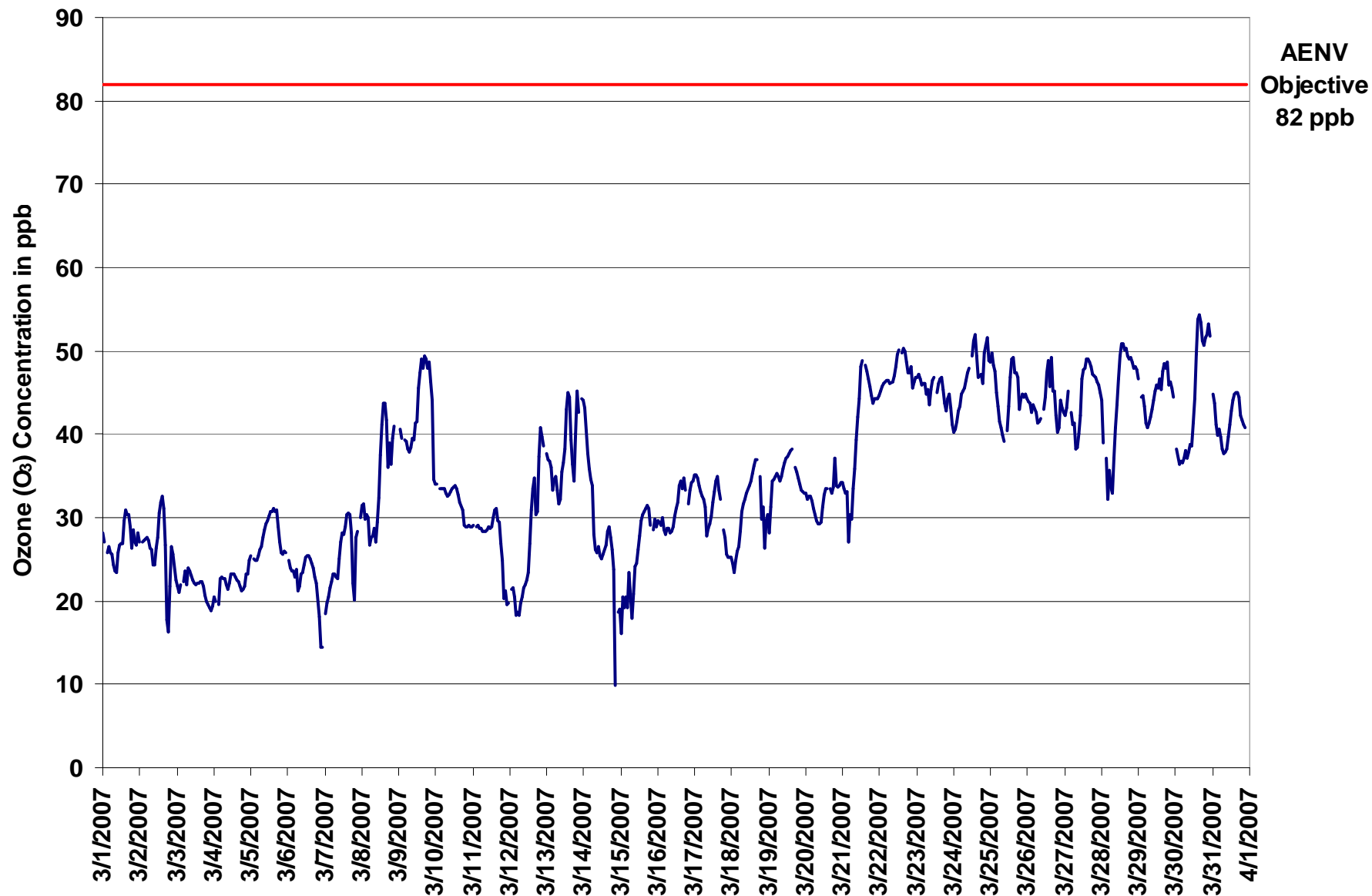


Figure 48. PASZA - Portable-Fahler Ozone 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

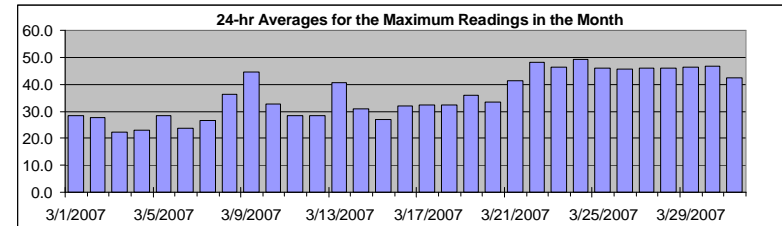
Ozone (O₃)

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

Summary

Maximum 1-hr Value:	63.7	ppb	24-Mar	22:00 23:00
Maximum 24-hr Value:	49.1	ppb	24-Mar	

AIC Time:	34 hrs	Operational Time:	708 hrs						
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	55.6	50.0	45.0	34.8	28.7	22.2	19.7	36.1 ppb	34.8 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-Mar-07	29	28	A	27	27	27	26	26	24	26	27	27	28	28	32	31	31	31	31	29	30	29	29	29	28.2	31.5	
2-Mar-07	28	A	28	28	28	28	28	27	27	27	26	27	29	32	32	34	33	28	24	20	25	28	28	24	27.7	33.8	
3-Mar-07	22	22	23	A	24	24	25	26	24	24	23	23	22	22	23	23	23	23	21	21	20	20	19	20	22.4	25.7	
4-Mar-07	21	21	A	21	23	23	23	23	23	22	23	24	24	23	23	23	23	22	22	22	23	24	24	25	22.9	25.5	
5-Mar-07	26	A	26	25	26	26	27	27	29	29	30	30	31	31	31	32	31	32	30	28	27	26	26	26	28.4	32.3	
6-Mar-07	A	25	25	24	24	25	24	24	24	24	24	25	26	26	26	25	25	24	23	21	15	16	A	A	23.7	26.2	
7-Mar-07	19	20	21	23	23	24	24	24	25	27	28	29	30	31	32	32	31	30	28	25	29	30	A	31	26.7	31.7	
8-Mar-07	32	33	32	32	32	30	29	30	32	30	31	38	41	43	45	45	44	39	42	41	41	42	C	C	36.3	44.6	
9-Mar-07	A	42	41	A	40	41	39	40	41	41	42	42	43	47	49	49	49	50	50	49	49	49	48	35	44.4	50.4	
10-Mar-07	35	34	A	34	34	34	34	34	33	33	33	34	34	34	34	34	32	32	30	30	29	30	30	30	32.7	34.8	
11-Mar-07	30	A	29	30	29	29	29	29	29	29	29	29	30	31	32	32	30	30	30	27	21	25	21	20	28.3	31.9	
12-Mar-07	A	22	22	21	19	19	19	21	21	22	22	23	24	29	32	35	36	32	35	40	42	42	41	A	28.3	41.8	
13-Mar-07	39	39	39	38	37	37	37	35	33	36	37	37	40	44	46	46	43	41	41	45	46	45	A	45	40.5	46.5	
14-Mar-07	45	45	43	40	37	36	35	32	27	26	27	27	26	26	28	30	32	30	28	27	24	A	22	22	31.0	45.0	
15-Mar-07	21	22	22	22	22	25	23	20	24	26	27	27	29	31	31	32	33	33	32	30	A	30	31	30	27.1	32.9	
16-Mar-07	30	30	30	31	30	29	29	30	29	29	31	31	32	33	35	35	35	36	35	A	33	34	35	35	32.0	35.6	
17-Mar-07	36	36	35	35	34	34	33	33	29	30	30	32	35	35	36	36	36	33	A	30	29	27	26	26	32.2	35.7	
18-Mar-07	25	25	24	26	27	28	29	32	32	33	34	34	35	36	37	37	37	A	37	35	35	34	34	32	32.2	37.5	
19-Mar-07	31	35	35	35	36	36	35	35	36	36	37	38	38	38	38	39	A	37	36	35	34	34	33	33	35.8	38.7	
20-Mar-07	33	33	33	33	33	32	31	30	30	30	31	32	34	34	A	34	34	34	37	38	35	35	34	35	33.3	38.5	
21-Mar-07	35	35	34	34	32	32	32	36	39	41	44	47	49	50	A	49	49	47	47	45	45	45	44	45	41.4	49.5	
22-Mar-07	45	46	46	46	47	47	47	47	47	48	49	50	51	A	51	51	51	50	49	49	49	47	47	48	48.2	50.9	
23-Mar-07	48	48	48	47	47	47	46	46	46	46	47	48	47	A	46	47	47	48	47	45	45	45	44	42	46.4	47.9	
24-Mar-07	41	41	43	43	44	46	46	46	47	48	49	A	51	53	54	52	49	49	49	50	53	52	64	62	49.1	63.7	
25-Mar-07	50	51	50	49	46	45	42	42	40	40	A	42	45	48	50	50	48	48	48	45	46	46	45	45	46.1	50.5	
26-Mar-07	45	45	45	44	44	44	42	42	43	A	44	47	48	50	49	56	49	47	46	43	44	45	44	45	45.7	56.1	
27-Mar-07	43	46	47	A	43	43	43	39	40	41	45	49	49	49	50	50	49	49	48	48	48	47	47	46	45.9	49.8	
28-Mar-07	46	45	A	40	34	38	35	37	39	43	45	49	51	52	52	52	51	50	50	50	50	49	49	48	45.8	52.3	
29-Mar-07	48	A	45	45	44	43	42	42	43	44	45	46	46	47	48	47	50	50	50	50	47	48	47	48	46.3	50.4	
30-Mar-07	A	39	38	37	38	38	39	39	39	40	40	44	48	53	57	58	56	53	53	53	53	53	56	56	A	46.7	57.7
31-Mar-07	45	45	43	41	41	41	39	38	39	39	41	42	44	45	45	46	45	45	44	42	41	41	A	42	42.4	45.7	
Hourly Avg	35.2	35.2	35.0	34.0	33.7	33.8	33.3	33.3	33.3	33.7	34.7	35.8	37.1	38.3	39.3	40.2	39.5	38.4	38.0	37.2	37.2	37.3	36.4	35.9			
Hourly Max	50.0	50.5	49.5	49.0	46.9	47.2	46.9	46.9	47.3	48.1	49.4	50.4	50.9	52.8	56.6	57.7	55.8	53.3	53.3	53.3	53.0	55.9	63.7	61.5			

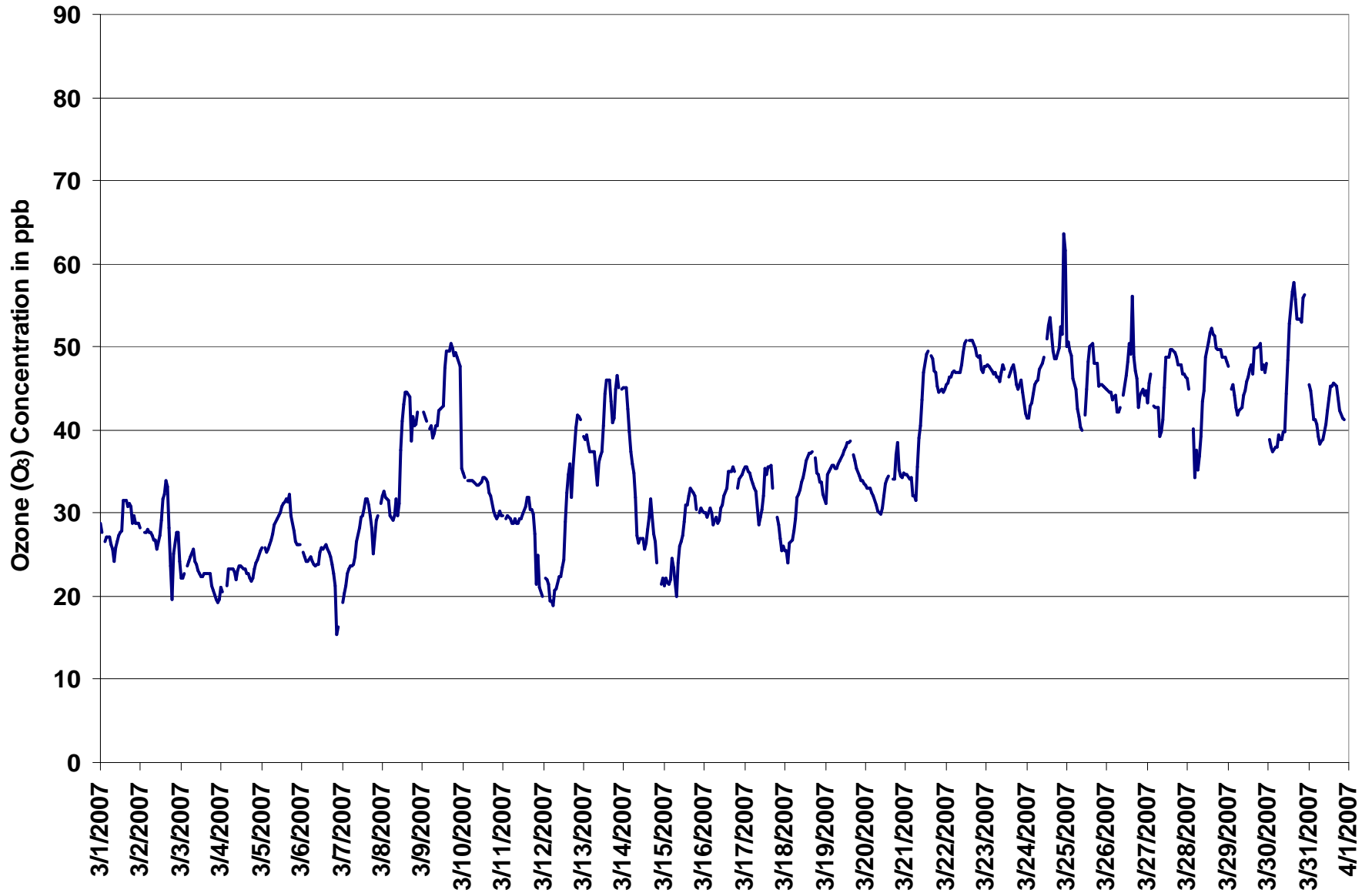
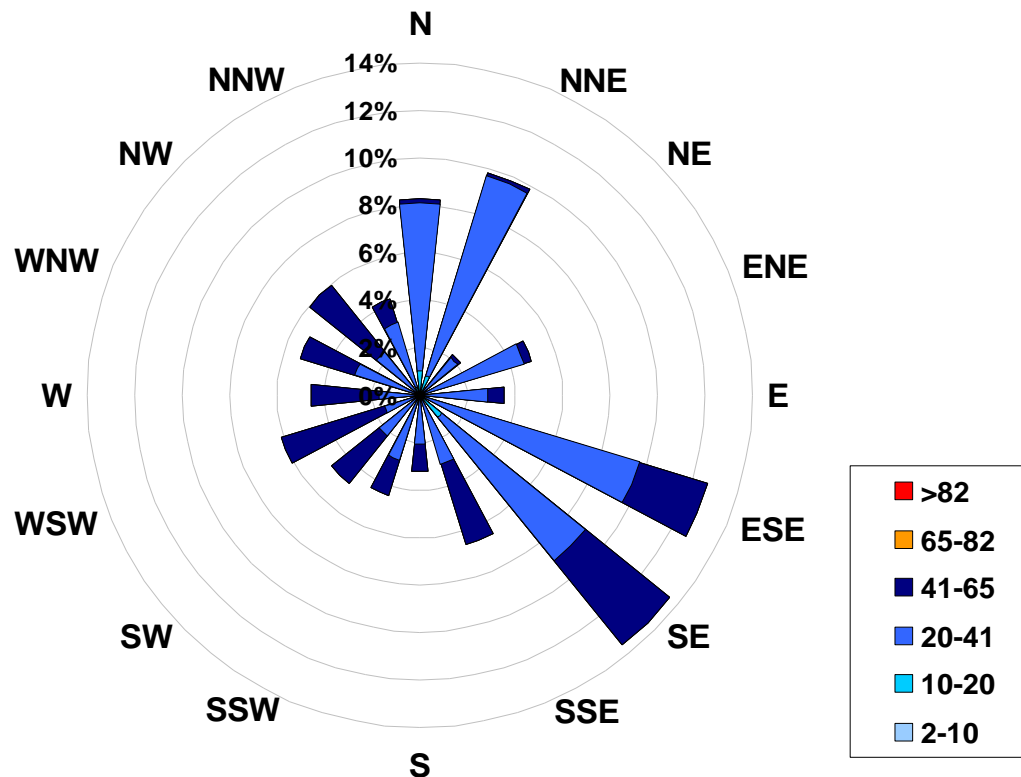


Figure 49. PASZA - Portable-Fahler Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	< 10		1
10	to 20		26
20	to 41		455
41	to 65		226
65	to 82		0
	> 82		0
Total Non-Zero Values			708

PASZA - Portable-Fahler - Ozone Eight Hour Average Summary

Station: Portable-Fahler
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

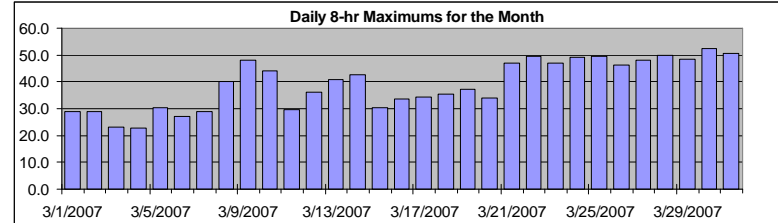
Ozone (O₃)

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

Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	52.5 ppb 30-Mar 21:00 22:00



Percentile	99	95	75	50	25	5	1
	49.8	48.4	43.2	33.5	27.3	21.0	19.2

Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:14	1:14	1:14	1:14	1:14	1:14	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Mar-07	29	28	28	27	27	27	27	26	26	25	25	25	25	25	26	27	28	28	29	29	29	29	29	28	29.0
2-Mar-07	28	28	27	27	27	27	27	27	27	27	26	26	26	27	27	28	29	29	28	27	26	26	25	24	28.9
3-Mar-07	22	22	22	23	23	23	22	22	23	23	23	23	23	23	22	22	22	22	22	21	21	21	21	20	23.1
4-Mar-07	20	20	20	20	21	21	21	22	22	22	22	22	23	23	23	23	23	23	23	22	22	22	22	22	22.6
5-Mar-07	23	23	24	24	25	25	25	26	26	26	27	27	28	29	29	30	30	30	30	30	30	29	28	28	30.4
6-Mar-07	27	26	26	25	25	24	24	23	23	23	23	23	23	24	24	24	25	25	25	24	23	22	21	20	27.2
7-Mar-07	19	19	18	18	19	20	21	21	22	23	23	24	25	26	27	28	29	29	28	27	27	27	27	27	28.9
8-Mar-07	27	27	28	30	30	30	30	29	29	28	29	30	31	33	35	37	38	39	40	40	40	40	N	N	40.2
9-Mar-07	N	N	N	N	N	N	N	N	39	39	39	39	39	40	41	43	44	45	46	47	48	48	48	46	48.2
10-Mar-07	44	42	41	39	37	35	34	34	33	33	33	33	33	33	33	33	33	33	32	32	31	31	30	30	44.2
11-Mar-07	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	29	29	28	27	25	24	29.7
12-Mar-07	23	22	21	21	20	20	20	20	20	20	20	20	21	22	23	25	27	28	29	31	33	35	36	36	36.0
13-Mar-07	36	37	38	38	37	36	36	35	35	34	34	34	35	36	37	38	39	40	40	40	41	41	40	40	41.0
14-Mar-07	41	42	43	42	41	40	39	37	35	33	31	30	28	27	26	26	27	27	27	27	25	24	23	22	42.8
15-Mar-07	20	19	18	18	19	20	20	20	20	21	21	22	23	24	25	27	28	29	30	30	31	30	30	30	30.5
16-Mar-07	30	30	29	29	29	29	29	29	29	29	29	29	29	29	30	31	32	32	33	33	33	34	34	34	33.6
17-Mar-07	34	34	34	34	34	34	34	33	33	32	31	31	30	31	31	31	32	32	33	33	32	31	30	28	34.2
18-Mar-07	27	26	26	25	25	25	26	27	28	29	30	31	32	33	34	35	35	35	35	34	33	32	31	31	35.5
19-Mar-07	30	30	30	31	31	32	33	34	34	35	35	36	36	36	37	37	37	37	37	37	36	36	35	34	37.3
20-Mar-07	34	34	33	33	33	32	32	32	31	31	30	30	30	31	31	31	32	32	33	34	34	34	34	34	34.1
21-Mar-07	34	34	34	34	33	32	32	32	32	33	34	35	38	40	42	44	45	47	47	47	46	46	46	45	47.1
22-Mar-07	45	45	45	45	45	45	46	46	46	46	47	47	48	48	48	49	49	49	49	49	49	48	48	48	49.5
23-Mar-07	47	47	47	47	46	46	46	46	46	46	46	46	46	45	46	46	46	46	46	45	45	45	45	44	47.1
24-Mar-07	43	43	42	42	42	42	42	43	44	45	45	46	47	48	49	49	49	49	49	49	49	49	49	48	49.2
25-Mar-07	49	49	49	49	49	48	47	46	45	43	42	41	41	42	43	44	45	46	46	47	47	46	46	45	49.4
26-Mar-07	45	45	44	44	44	44	43	43	43	42	42	43	43	44	45	46	46	46	46	46	45	44	44	43	46.3
27-Mar-07	43	42	43	43	43	43	42	41	41	41	41	41	42	43	44	45	46	47	48	48	48	48	47	47	48.1
28-Mar-07	46	45	45	43	41	40	38	36	35	36	37	38	40	42	44	46	48	49	50	50	50	49	49	49	49.9
29-Mar-07	48	48	48	47	46	45	44	43	43	43	43	43	43	43	44	45	45	46	47	47	47	47	47	47	48.3
30-Mar-07	47	45	44	42	41	39	38	37	37	37	38	38	39	41	43	45	47	48	50	51	52	53	52	52	52.5
31-Mar-07	51	50	48	47	45	43	41	41	40	39	39	39	39	40	41	42	43	43	44	44	44	43	43	42	50.8

Hourly Max 50.8 49.7 49.2 49.4 48.8 47.9 46.6 46.1 46.1 46.3 46.6 47.0 47.5 47.7 48.6 49.1 49.3 49.5 49.8 51.1 52.0 52.5 52.3 52.0

PASZA - Portable-Fahler - Total Reduced Sulphur Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

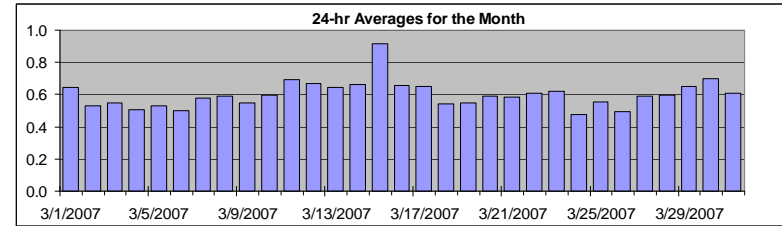
HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)

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

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

Maximum 1-hr Average:	1.8	ppb	15-Mar	3:00 4:00
Maximum 24-hr Value:	0.9	ppb	15-Mar	



AIC Time:	35 hrs	Operational Time:	702 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.6 ppb	0.6 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-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	1	0.6	0.7
2-Mar-07	1	A	0	0	0	0	0	0	0	0	1	0	0	C	C	C	A	1	1	1	1	1	1	1	1	1	1	0.5	0.7
3-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	0.5	0.7
4-Mar-07	0	0	A	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.5	0.6
5-Mar-07	1	A	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1	0.5	0.6
6-Mar-07	A	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	A	0.5	0.5
7-Mar-07	1	0	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.8
8-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	C	A	0	0	0	0	0	0	0.6	0.7
9-Mar-07	0	0	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.5	0.7
10-Mar-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	1	0.6	0.7
11-Mar-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	1	0.7	1.0
12-Mar-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	A	0.7	0.8
13-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8
14-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.7	0.8
15-Mar-07	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	0.9	1.8
16-Mar-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	1	1	0.7	0.7
17-Mar-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	1	1	0.7	0.9
18-Mar-07	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.5	0.6
19-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	A	1	1	1	1	1	1	1	0.6	0.6
20-Mar-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	1	0.6	0.8
21-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	1	1	1	1	1	1	1	0	0	0	0.6	0.8
22-Mar-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	0.6	1.0
23-Mar-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	0.6	0.8
24-Mar-07	1	1	1	1	1	1	1	1	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.6
25-Mar-07	1	1	1	0	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0.6	0.8
26-Mar-07	0	0	1	0	0	0	0	0	0	A	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1	0	0	0.5	0.6
27-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.7
28-Mar-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	1	0.6	0.7
29-Mar-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	1	0.6	0.8
30-Mar-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	A	0.7	0.8
31-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.6	0.7
Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Hourly Max	0.8	0.9	1.7	1.8	1.3	0.7	1.3	1.5	1.3	0.8	0.9	0.8	0.7	0.7	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	1.0	1.0	0.9	0.8	0.8	

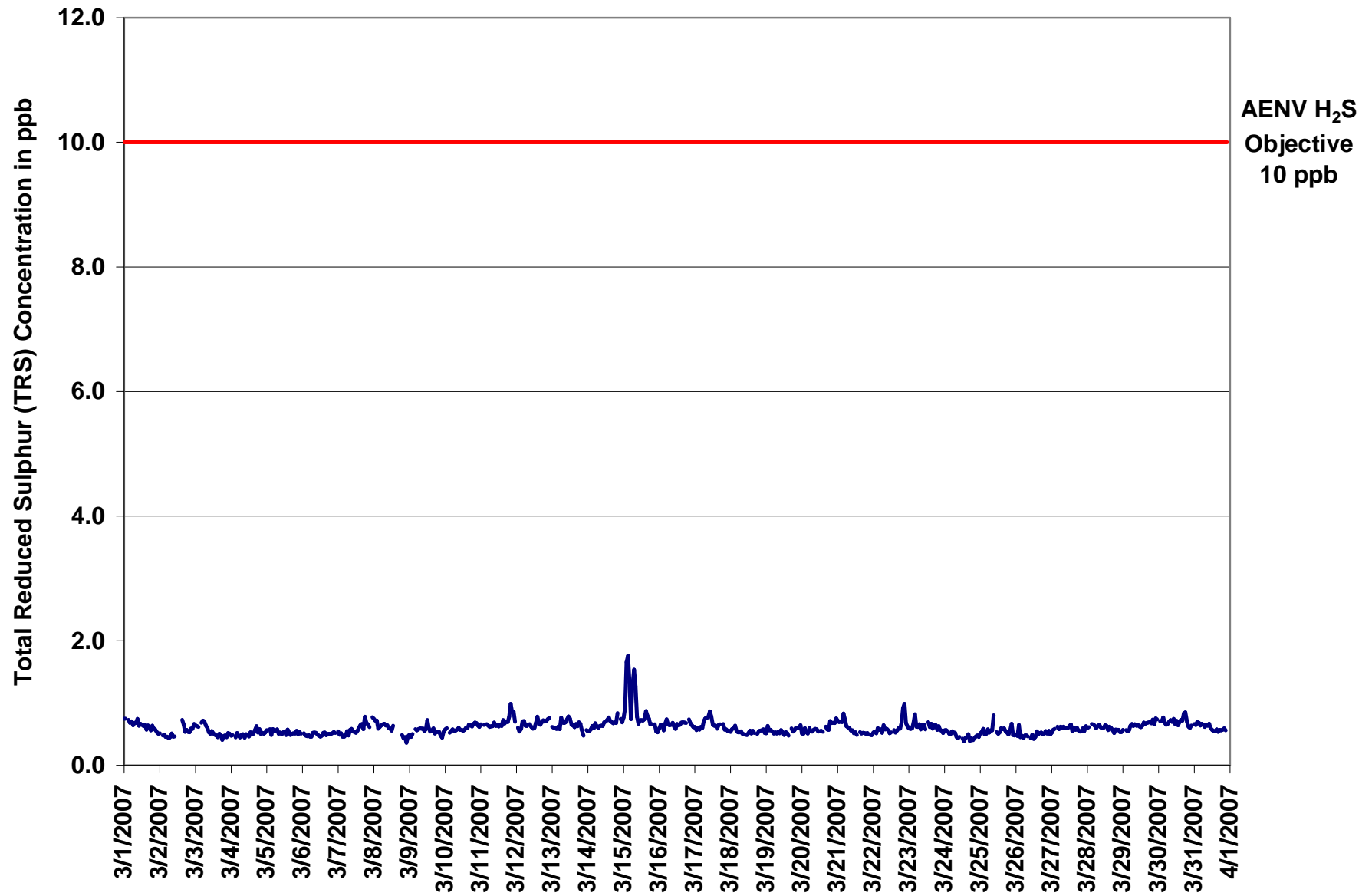


Figure 50. PASZA - Portable-Fahler Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

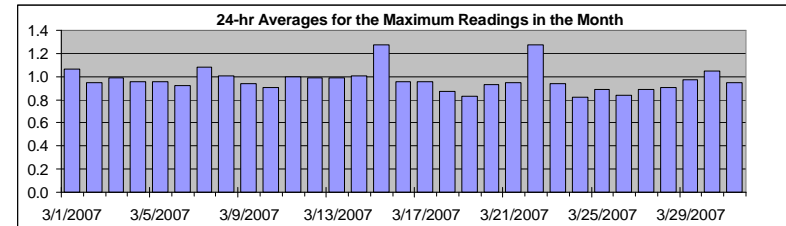
Total Reduced Sulphur (TRS)

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

Summary

Maximum 1-hr Value:	5.6	ppb	22-Mar	21:00 22:00
Maximum 24-hr Value:	1.3	ppb	15-Mar	

AIC Time:	35 hrs	Operational Time:	702 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.9	1.2	1.0	0.9	0.9	0.8	0.7	1.0 ppb	0.9 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Mar-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	1.2
2-Mar-07	1	A	1	1	1	1	1	1	1	1	1	C	C	C	A	1	1	1	1	1	1	1	1	1	1.0	1.2
3-Mar-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	1.2
4-Mar-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	1.2
5-Mar-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	1.0
6-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.0
7-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	A	2	1.1	1.9
8-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1.0	1.4
9-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4
10-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
11-Mar-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	1.3
12-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1.0	1.1
13-Mar-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	1.2
14-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1.0	1.5
15-Mar-07	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1.3	2.1
16-Mar-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	1.1
17-Mar-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	1.3
18-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.9	1.2
19-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	0.8	1.0
20-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	0.9	1.5
21-Mar-07	1	1	1	1	1	1	1	2	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	0.9	1.9
22-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	5	6	1	1	1.3	5.6
23-Mar-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	0.9	1.2
24-Mar-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	1.2
25-Mar-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	1.2
26-Mar-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	1.1
27-Mar-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.1
28-Mar-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.0
29-Mar-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	1.2
30-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	A	1.0	2.0
31-Mar-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0.9	1.1
Hourly Avg	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	0.9	0.9		
Hourly Max	1.3	1.5	2.1	2.1	2.0	1.2	1.7	1.9	1.8	1.2	1.3	1.1	1.3	1.2	1.2	1.3	1.1	1.2	2.0	1.4	4.8	5.6	1.2	1.6		

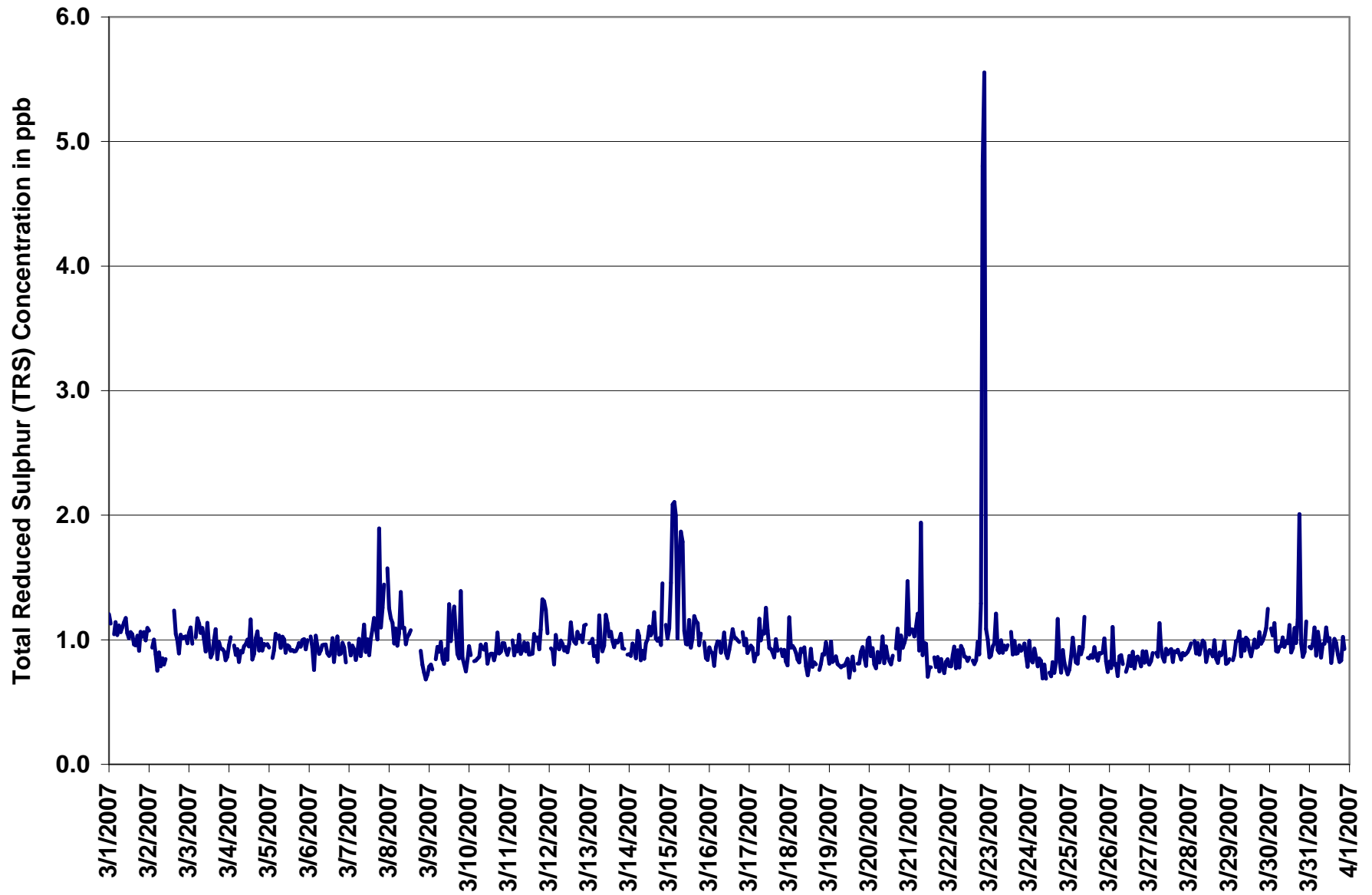
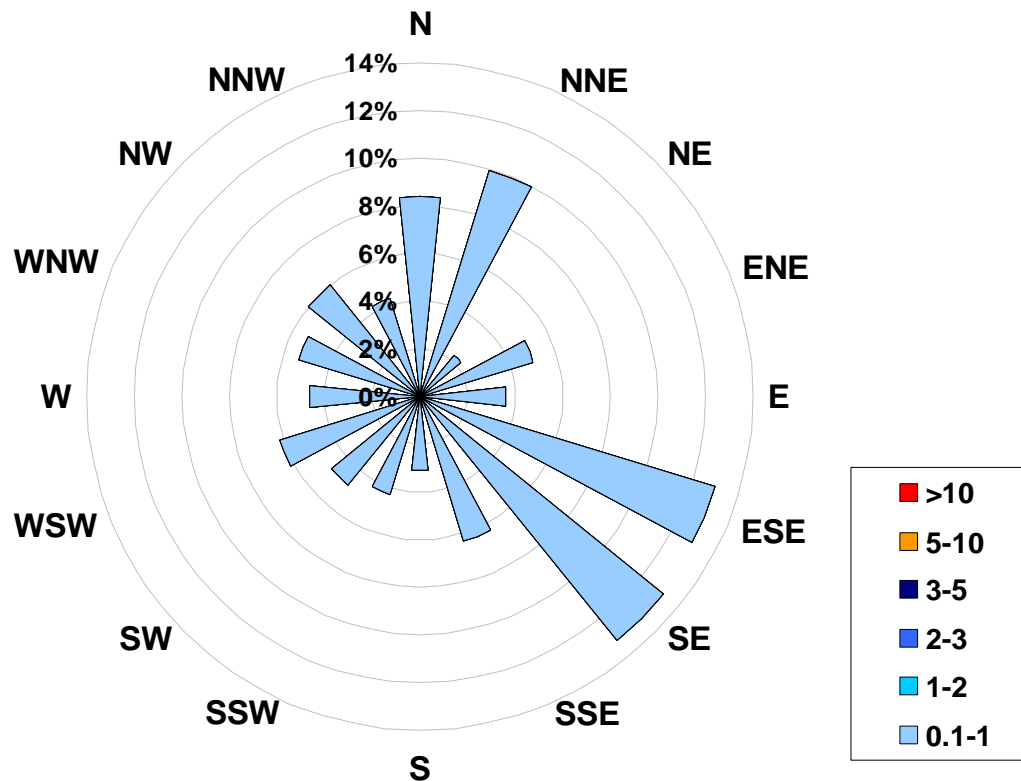


Figure 51. PASZA - Portable-Fahler Total Reduced Sulphur Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	696
1	to	2	6
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			702

PASZA - Portable-Fahler - Relative Humidity Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

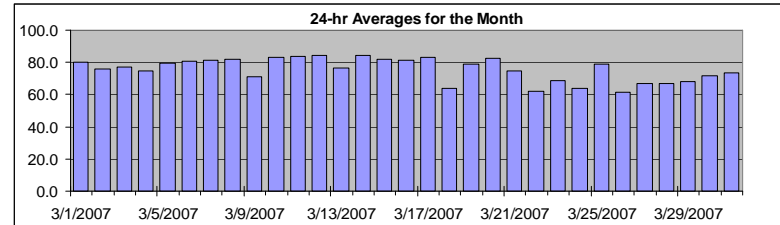
HOURLY AVERAGE TABLE

Relative Humidity (RH)

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

Summary

Maximum 1-hr Average:	98.3	%	25-Mar	3:00 4:00
Maximum 24-hr Value:	84.6	%	14-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	97.2	92.2	83.3	76.5	68.5	56.3	48.2	75.6 %	76.5 %

Status Flag Characters

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

Day	Mountain Standard Time																								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-Mar-07	87	86	84	82	81	80	80	80	82	82	82	79	69	66	70	68	71	80	86	85	86	84	85	85	80.1	86.9	
2-Mar-07	84	83	82	81	81	81	81	81	81	81	81	77	74	71	71	70	69	71	70	74	73	69	68	75	76.1	84.0	
3-Mar-07	89	89	87	87	87	84	83	85	81	78	75	73	73	73	72	71	72	73	72	71	72	71	70	69	77.4	89.1	
4-Mar-07	72	76	76	74	74	76	76	76	76	74	73	72	70	71	69	68	72	77	74	78	79	79	78	79	74.6	79.3	
5-Mar-07	79	78	76	75	77	81	80	78	78	80	78	74	76	76	76	80	81	82	82	83	83	84	83	83	79.3	83.5	
6-Mar-07	82	83	85	86	87	86	84	85	84	81	81	78	78	76	76	76	75	75	76	78	80	82	82	83	80.7	86.7	
7-Mar-07	82	82	82	83	82	81	80	81	81	80	77	73	73	72	73	72	75	75	76	82	94	96	96	97	81.1	96.6	
8-Mar-07	97	96	97	98	97	97	98	98	94	93	87	78	73	72	70	67	66	65	70	69	71	71	75	72	82.1	98.2	
9-Mar-07	67	68	74	77	73	68	71	65	65	68	66	64	67	62	59	63	71	59	69	72	79	95	94	85	71.0	95.4	
10-Mar-07	77	77	77	77	81	82	80	79	80	80	83	83	82	83	84	85	87	89	89	89	89	89	88	87	83.2	89.1	
11-Mar-07	86	85	84	83	83	83	83	83	81	79	76	77	78	77	78	80	81	87	91	90	91	94	91	91	83.7	93.8	
12-Mar-07	90	89	89	90	88	88	86	84	82	79	77	71	76	75	80	83	79	86	93	93	92	88	85	81	84.3	93.5	
13-Mar-07	82	86	86	87	90	91	91	89	88	87	70	71	66	59	48	57	63	64	65	66	72	81	89	95	76.8	95.1	
14-Mar-07	94	93	93	89	87	87	88	86	83	82	80	80	79	78	77	80	81	82	85	91	86	83	82	84	84.6	94.1	
15-Mar-07	85	86	86	86	86	88	86	84	82	83	84	79	75	76	76	70	81	81	83	86	86	84	80	80	82.2	87.9	
16-Mar-07	83	88	90	87	85	85	86	86	86	86	83	81	79	78	78	78	75	77	77	80	78	74	74	75	81.2	90.3	
17-Mar-07	76	77	78	91	94	93	91	92	90	89	87	89	84	78	77	78	78	80	78	80	80	78	77	76	82.8	94.2	
18-Mar-07	76	75	76	74	73	71	69	66	63	62	57	55	55	53	52	54	52	54	62	65	68	68	69	63.6	75.9		
19-Mar-07	72	73	70	67	67	69	70	70	69	72	79	79	79	83	86	85	86	88	90	89	87	86	87	87	78.7	89.8	
20-Mar-07	87	87	86	85	85	88	89	92	92	92	89	84	85	83	79	79	75	71	78	77	78	74	73	77	82.7	92.1	
21-Mar-07	79	81	83	86	89	85	84	85	81	75	70	66	83	89	83	69	62	62	60	60	62	66	68	69	74.9	89.2	
22-Mar-07	68	69	71	67	67	68	68	69	70	67	61	56	54	50	48	48	55	59	61	62	57	62	67	70	62.2	70.5	
23-Mar-07	72	75	78	78	75	77	77	74	71	67	65	67	62	63	63	58	56	60	63	64	65	71	73	76	68.8	78.4	
24-Mar-07	76	74	71	67	69	67	67	65	63	59	59	55	53	46	39	48	53	58	64	59	62	80	91	95	64.1	95.0	
25-Mar-07	96	98	98	98	97	95	95	92	92	89	84	80	76	71	67	62	60	57	57	73	72	62	64	66	79.2	98.3	
26-Mar-07	66	65	66	71	70	73	76	73	72	69	69	66	61	54	52	48	52	39	48	48	50	56	57	69	61.3	76.0	
27-Mar-07	67	67	66	67	70	73	74	75	73	66	63	61	64	64	65	63	64	64	66	67	64	67	65	69	66.9	75.4	
28-Mar-07	75	82	83	81	85	85	84	81	76	72	69	64	61	56	52	57	57	53	53	59	60	49	49	55	66.6	85.2	
29-Mar-07	62	69	71	70	73	70	67	64	65	69	68	66	67	68	69	68	66	65	67	66	69	68	73	68	67.8	72.8	
30-Mar-07	72	77	77	75	76	75	76	75	72	71	67	57	63	61	52	52	62	70	72	72	82	85	91	94	71.9	93.6	
31-Mar-07	95	93	81	79	77	78	82	80	78	77	71	68	63	62	61	61	65	66	64	67	72	73	74	73	73.4	95.1	
Hourly Avg	79.8	80.8	80.7	80.6	80.8	80.8	80.7	79.8	78.4	77.1	74.5	71.8	70.9	69.4	67.7	67.7	69.1	69.8	72.1	73.9	75.4	76.5	77.4	78.5			
Hourly Max	96.6	97.9	98.2	98.3	97.2	97.2	97.9	97.6	94.2	93.2	89.4	88.8	85.2	89.2	85.8	85.2	87.0	88.9	93.5	92.6	94.2	95.8	96.0	96.6			

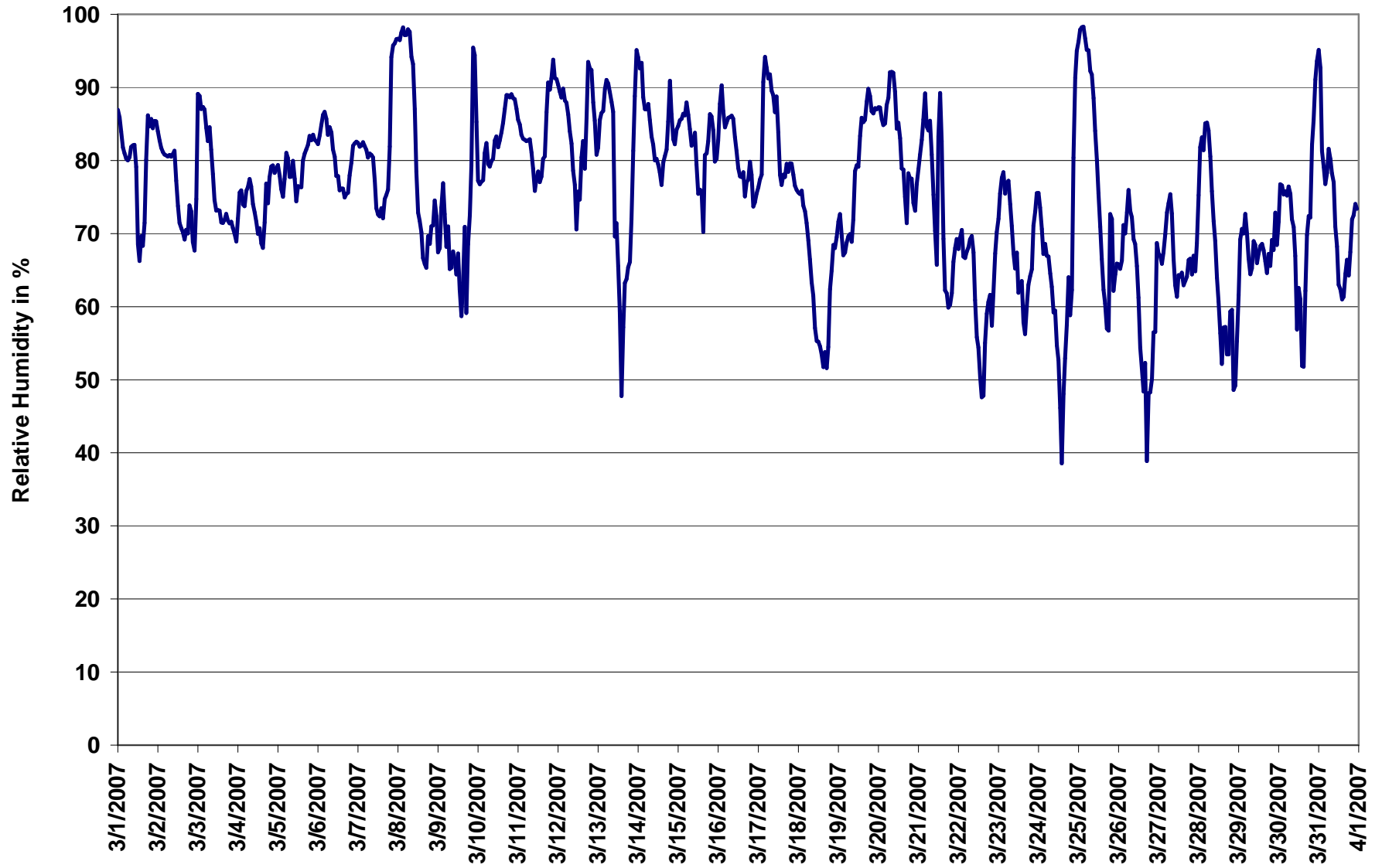


Figure 52. PASZA - Portable-Fahler Relative Humidity 1-hr Average Monthly Trend

PASZA - Portable-Fahler - Temperature Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

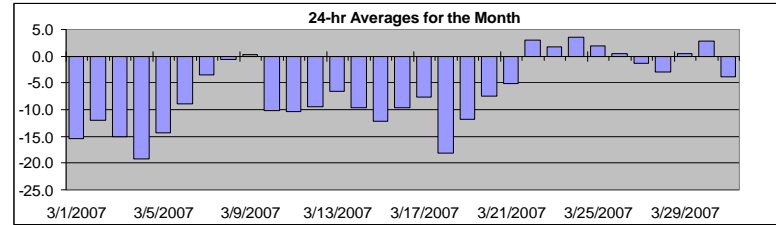
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	7.3 °C	30-Mar	15:00 16:00
Maximum 24-hr Value:	3.5 °C	24-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	5.6	4.3	0.0	-6.2	-12.3	-19.2	-21.7	-6.5 °C	-6.2 °C

Status Flag Characters

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

Day	Mountain Standard Time																							24-hour Average	Daily Maximum		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
1-Mar-07	-17	-17	-18	-19	-20	-20	-21	-20	-18	-17	-15	-13	-12	-12	-12	-11	-11	-13	-14	-14	-15	-15	-14	-14	-15.5	-11.2	
2-Mar-07	-15	-17	-17	-17	-17	-17	-17	-17	-17	-17	-17	-15	-13	-11	-9	-8	-6	-6	-5	-6	-6	-5	-4	-4	-12.0	-4.4	
3-Mar-07	-5	-5	-5	-4	-4	-3	-4	-12	-17	-18	-19	-19	-19	-20	-20	-20	-20	-20	-21	-21	-21	-22	-22	-22	-15.1	-3.4	
4-Mar-07	-22	-22	-22	-21	-22	-22	-22	-22	-21	-21	-20	-19	-19	-19	-18	-17	-17	-17	-16	-16	-16	-16	-17	-17	-19.2	-16.4	
5-Mar-07	-16	-16	-16	-16	-16	-16	-16	-15	-15	-15	-14	-14	-13	-13	-13	-13	-13	-13	-13	-13	-13	-14	-14	-14	-14.4	-12.7	
6-Mar-07	-14	-14	-14	-13	-12	-12	-12	-12	-11	-11	-10	-9	-9	-7	-6	-6	-5	-4	-4	-4	-4	-5	-6	-6	-7	-8.8	-3.8
7-Mar-07	-7	-7	-8	-8	-8	-8	-7	-7	-7	-6	-5	-3	-2	0	-1	-1	-1	-1	-2	-1	1	1	1	1	-3.5	0.8	
8-Mar-07	0	0	-1	-3	-3	-2	-1	-1	-2	-3	-1	1	2	2	3	3	3	2	-1	-2	-2	-3	-3	-2	-0.6	3.2	
9-Mar-07	-1	-2	-4	-4	-2	-1	-2	-1	-2	-1	0	1	2	4	5	4	3	4	3	2	2	0	0	-3	0.3	4.7	
10-Mar-07	-5	-6	-7	-8	-10	-11	-12	-12	-12	-12	-12	-11	-11	-11	-11	-10	-10	-10	-10	-10	-10	-11	-11	-11	-10.2	-4.8	
11-Mar-07	-12	-13	-13	-14	-15	-15	-15	-14	-14	-14	-13	-13	-11	-9	-8	-7	-6	-6	-6	-6	-7	-6	-5	-7	-7	-10.4	-4.6
12-Mar-07	-8	-9	-10	-10	-12	-12	-13	-13	-13	-12	-11	-9	-9	-8	-7	-7	-5	-7	-8	-8	-9	-8	-10	-9	-9.4	-5.5	
13-Mar-07	-9	-10	-10	-10	-10	-11	-11	-11	-11	-10	-6	-4	-2	0	-2	-4	-4	-4	-5	-5	-3	-3	-4	-4	-6.5	0.3	
14-Mar-07	-4	-5	-7	-5	-6	-6	-8	-8	-9	-9	-8	-9	-9	-9	-9	-10	-10	-10	-11	-12	-16	-17	-18	-16	-9.6	-4.2	
15-Mar-07	-16	-15	-15	-14	-14	-12	-14	-15	-18	-16	-14	-12	-10	-9	-8	-7	-8	-7	-8	-8	-11	-12	-13	-12	-13	-12.1	-6.6
16-Mar-07	-14	-14	-13	-15	-16	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-6	-6	-6	-4	-3	-3	-3	-9.6	-3.1	
17-Mar-07	-3	-3	-4	-4	-5	-4	-4	-4	-9	-10	-9	-9	-8	-7	-7	-7	-7	-8	-9	-9	-11	-13	-15	-16	-7.7	-3.1	
18-Mar-07	-17	-16	-16	-17	-18	-18	-20	-20	-20	-19	-18	-18	-17	-16	-16	-15	-16	-16	-17	-19	-20	-22	-22	-22	-18.1	-15.2	
19-Mar-07	-21	-21	-18	-16	-15	-14	-14	-14	-13	-12	-12	-10	-10	-9	-9	-9	-8	-8	-8	-8	-8	-8	-9	-9	-11.9	-8.3	
20-Mar-07	-9	-9	-9	-9	-9	-9	-9	-8	-8	-7	-7	-6	-6	-6	-5	-5	-5	-4	-7	-7	-8	-9	-10	-10	-7.5	-4.3	
21-Mar-07	-10	-10	-11	-12	-14	-15	-16	-14	-13	-9	-6	-4	-3	-2	-1	0	1	2	2	2	2	2	2	2	-5.2	2.4	
22-Mar-07	3	2	2	2	3	2	2	2	2	2	3	4	5	5	5	5	4	4	3	2	3	2	1	0	3.0	5.3	
23-Mar-07	-1	-2	-3	-3	-3	-3	-3	-2	-1	0	2	3	4	4	4	5	6	5	5	5	5	5	5	4	1.8	6.3	
24-Mar-07	5	4	4	4	3	2	1	1	2	3	3	4	5	6	7	5	4	3	3	3	4	3	2	1	3.5	6.7	
25-Mar-07	1	1	1	1	1	1	1	0	0	1	2	2	3	4	4	5	5	6	5	2	1	1	0	0	2.0	5.6	
26-Mar-07	-1	-1	-2	-3	-2	-3	-5	-4	-3	-1	0	2	3	4	5	5	5	6	4	3	2	1	0	-3	0.4	5.8	
27-Mar-07	-3	-3	-2	-3	-4	-5	-5	-5	-4	-2	0	2	3	3	3	3	2	1	0	-1	-1	-2	-2	-3	-1.2	2.9	
28-Mar-07	-5	-7	-9	-8	-10	-11	-12	-11	-9	-5	-3	0	2	3	3	3	2	2	2	0	0	1	0	-1	-3.0	3.1	
29-Mar-07	-2	-4	-4	-4	-4	-3	-2	-2	-1	-1	0	2	2	3	3	4	4	4	4	4	4	3	3	2	2	0.5	4.1
30-Mar-07	1	1	1	1	1	1	1	2	2	3	4	6	5	6	7	7	5	4	3	4	2	1	0	-1	2.9	7.3	
31-Mar-07	-1	-1	-1	-2	-2	-4	-6	-7	-6	-5	-4	-3	-3	-2	-2	-2	-2	-2	-3	-3	-5	-6	-7	-8	-3.8	-0.6	
Hourly Avg	-7.4	-7.8	-8.0	-8.1	-8.4	-8.6	-8.9	-9.1	-9.0	-8.2	-7.1	-6.0	-5.2	-4.5	-3.8	-3.6	-3.7	-3.8	-4.5	-5.1	-5.4	-5.9	-6.4	-6.8			
Hourly Max	4.5	4.4	4.1	3.9	3.0	2.3	2.1	2.1	2.3	2.9	3.9	6.1	5.2	5.6	7.1	7.3	6.3	5.8	5.3	4.7	5.2	4.5	4.5	4.4			

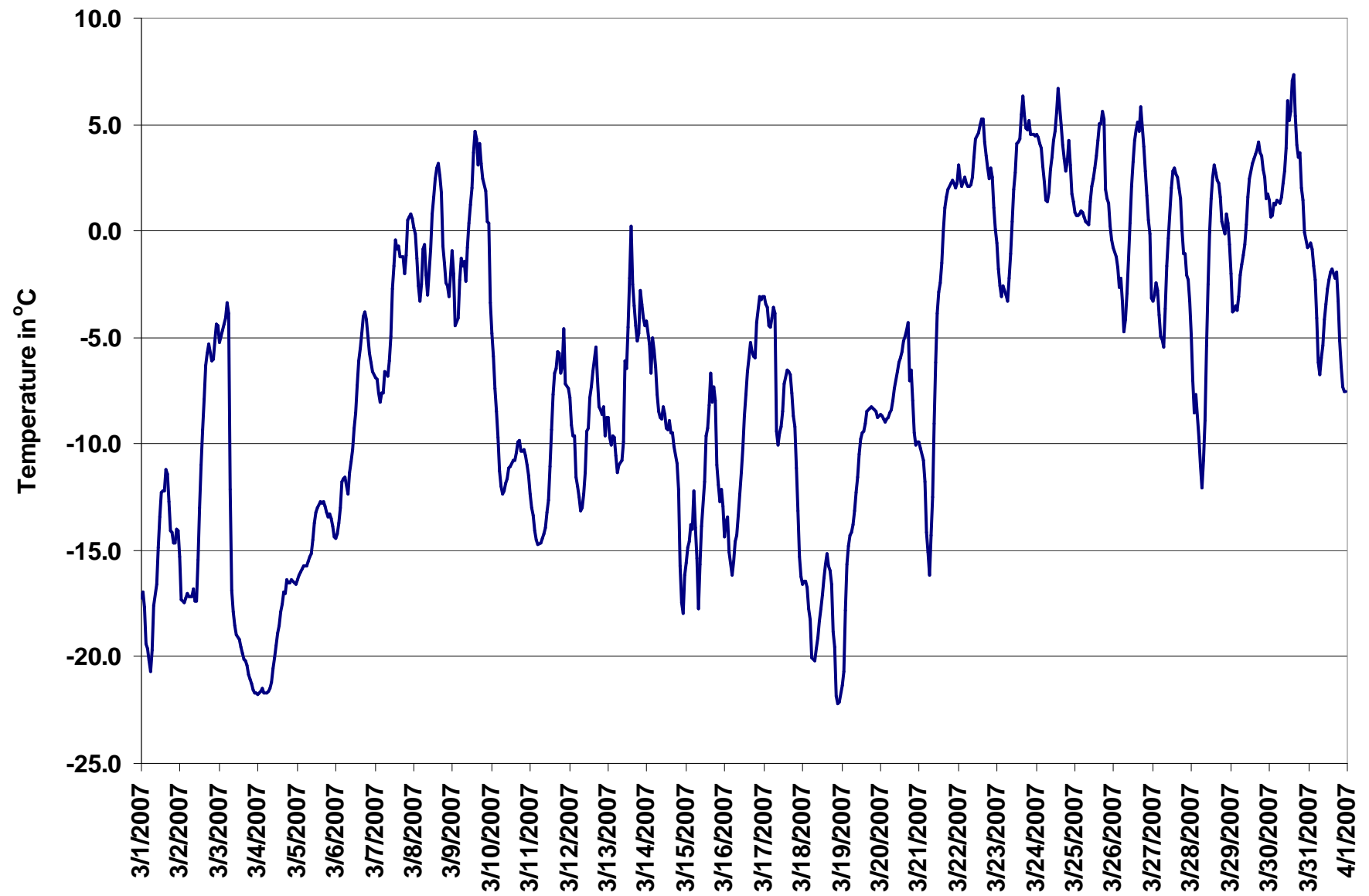


Figure 53. PASZA - Portable-Fahler Temperature 1-hr Average Monthly Trend

PASZA - Portable-Fahler - Scalar Wind Speed Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

HOURLY AVERAGE TABLE

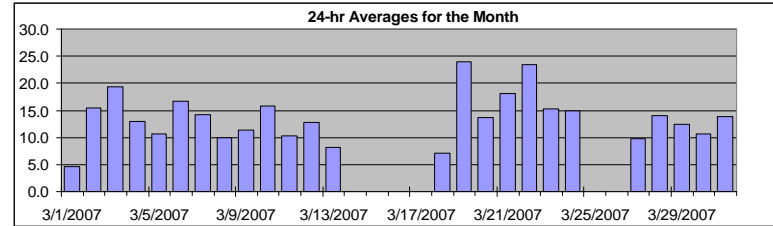
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	36.6	km/hr	22-Mar	4:00 5:00
Maximum 24-hr Value:	24.1	km/hr	19-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	622 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	83.6%				
Percentile	99	95	75	50	25	5	1	AverageS
	34.1	26.4	17.5	12.2	8.1	3.7	2.2	13.5 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							24-hr Scalar Average	Daily Max		
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00			
1-Mar-07	11	11	8	6	4	4	2	3	2	3	4	2	2	3	3	1	3	4	4	5	6	5	6	8	4.5	11.0	
2-Mar-07	11	11	11	9	9	8	6	6	5	9	11	17	20	22	19	17	21	20	25	24	24	22	21	20	15.4	25.4	
3-Mar-07	22	23	24	23	21	14	10	20	13	27	26	23	21	21	21	21	20	19	16	15	17	17	16	14	19.3	26.7	
4-Mar-07	16	14	14	16	16	14	14	11	13	12	12	11	11	12	11	10	6	10	11	13	15	16	17	15	12.9	17.2	
5-Mar-07	12	12	13	12	9	9	11	11	11	11	10	7	6	8	9	10	10	12	11	13	14	13	12	10	10.7	14.0	
6-Mar-07	12	10	8	5	7	8	14	7	11	16	19	20	23	20	20	21	19	18	17	19	25	29	26	28	16.7	28.8	
7-Mar-07	26	23	24	25	21	19	21	20	16	12	13	13	14	6	4	4	6	6	6	7	10	13	17	14	14.2	25.9	
8-Mar-07	10	5	7	7	3	4	6	6	8	6	7	7	19	17	11	10	9	12	12	14	14	15	13	14	10.0	18.9	
9-Mar-07	16	15	14	16	14	15	16	16	11	9	6	9	8	10	8	7	8	13	13	8	11	9	6	15	11.4	16.5	
10-Mar-07	14	13	16	16	17	16	17	16	14	11	11	10	12	14	16	16	15	18	21	20	21	19	18	19	15.8	21.3	
11-Mar-07	22	22	18	16	15	11	10	6	3	3	2	5	4	4	5	6	8	9	10	14	14	12	16	13	10.4	22.1	
12-Mar-07	14	18	16	18	26	16	17	17	12	7	5	2	7	7	12	12	7	7	11	14	14	14	13	18	12.7	26.4	
13-Mar-07	18	11	9	13	9	7	8	6	5	4	1	3	5	7	3	9	11	11	10	9	13	11	6	N	8.2	17.7	
14-Mar-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
15-Mar-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
16-Mar-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
17-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	8	6	5	5	7	11	14	16	16	22	15	8	7	N	22.0
18-Mar-07	2	3	3	7	7	6	8	8	13	11	13	11	10	9	8	5	8	6	3	2	6	8	5	8	7.1	12.8	
19-Mar-07	8	7	13	26	30	32	24	21	20	25	33	32	30	32	33	30	25	23	26	25	21	23	19	21	24.1	32.9	
20-Mar-07	20	21	21	24	22	18	17	16	21	19	12	8	7	7	8	3	5	5	9	17	18	14	11	8	13.7	24.0	
21-Mar-07	7	5	5	8	12	11	11	12	9	16	17	19	24	24	23	21	30	27	20	19	18	32	31	32	18.1	32.3	
22-Mar-07	33	34	36	34	37	34	36	36	34	30	26	30	23	21	19	14	9	10	8	8	11	10	13	16	23.4	36.6	
23-Mar-07	15	13	14	13	13	11	13	16	20	20	19	16	18	16	13	19	19	13	10	10	10	13	19	19	15.2	20.5	
24-Mar-07	26	26	24	27	26	30	25	21	18	19	12	11	8	6	5	6	8	10	7	6	6	7	8	N	14.9	29.5	
25-Mar-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
26-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	11	10	12	10	12	5	9	12	12	12	12	N	12.2	
27-Mar-07	12	10	12	11	11	12	13	13	11	3	6	12	13	13	14	12	12	8	9	8	8	5	4	4	9.8	14.1	
28-Mar-07	4	8	7	6	10	11	9	12	12	9	9	16	15	15	12	13	16	21	25	23	24	23	21	18	14.1	24.8	
29-Mar-07	17	16	14	17	15	15	16	17	15	14	16	15	11	10	11	11	11	11	12	14	8	3	5	8	12.5	16.9	
30-Mar-07	10	12	11	11	8	6	6	5	5	5	4	4	5	6	4	3	5	8	15	24	28	28	26	21	10.7	28.2	
31-Mar-07	9	9	15	15	14	11	7	12	13	14	12	12	15	16	15	15	13	12	16	19	22	19	14	16	13.9	21.7	
1-hr Average	14.6	14.0	14.2	15.2	15.0	13.7	13.4	13.3	12.7	12.6	12.2	12.5	12.9	12.6	11.9	11.7	12.0	12.5	12.9	14.0	15.3	15.0	14.2	15.1			
Hourly Max	33.5	33.5	35.7	34.4	36.6	34.4	35.8	36.0	34.3	30.4	32.9	32.2	30.0	31.8	32.7	29.7	30.4	26.9	26.0	25.1	27.8	32.3	31.2	32.0			

PASZA - Portable-Fahler - Vector Wind Speed Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

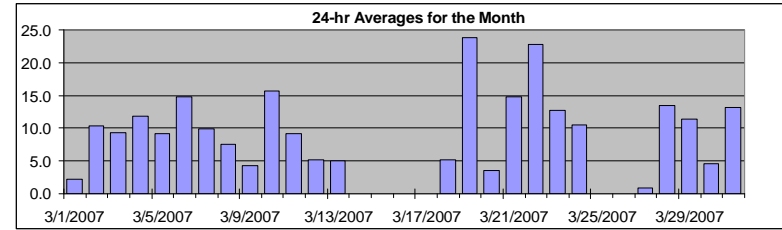
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	36.5	km/hr	22-Mar	4:00 5:00
Maximum 24-hr Value:	23.8	km/hr	19-Mar	



Calm Time:	0 hrs	0% calms	Operational Time:	622 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	83.6%				
Percentile	99	95	75	50	25	5	1	AverageV
	34.1	26.3	17.4	12.1	7.8	3.0	1.4	3.8 km/hr

Status Flag Characters

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

Day	Mountain Standard Time																							24-hr Vector Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00 0:00		
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-Mar-07	11	11	8	6	4	4	2	3	2	3	2	1	3	3	1	3	4	3	4	3	5	5	6	8	2.2	10.9	
2-Mar-07	11	11	11	9	9	8	5	6	4	9	11	17	20	22	19	17	21	20	25	24	24	21	21	20	10.3	25.4	
3-Mar-07	22	23	24	23	21	14	7	19	13	27	26	22	21	21	21	21	20	19	16	15	17	17	15	14	9.4	26.6	
4-Mar-07	16	14	13	16	16	14	14	11	13	12	11	11	11	12	11	10	5	9	10	13	15	16	17	15	11.8	16.9	
5-Mar-07	12	12	13	12	9	9	11	11	11	11	10	7	6	8	9	10	10	12	11	13	14	13	12	10	9.2	13.9	
6-Mar-07	12	10	8	5	6	8	13	6	11	16	19	20	23	20	20	21	19	18	17	19	25	29	26	28	14.8	28.7	
7-Mar-07	26	23	23	25	21	19	21	20	16	12	13	13	14	2	3	3	6	5	6	6	10	11	17	14	9.8	25.9	
8-Mar-07	10	4	7	7	2	4	5	5	8	6	7	7	19	17	11	10	9	12	12	14	14	15	13	14	7.5	18.8	
9-Mar-07	16	14	14	16	14	15	16	16	11	7	5	9	8	10	7	7	7	13	12	6	10	9	3	15	4.2	16.4	
10-Mar-07	14	12	15	16	17	16	17	16	14	11	11	9	12	14	16	16	15	18	21	20	21	19	18	19	15.6	21.3	
11-Mar-07	22	22	18	16	15	11	9	6	3	2	2	5	4	4	4	5	8	7	10	14	14	11	15	13	9.2	22.0	
12-Mar-07	14	18	16	18	26	16	17	17	12	7	5	2	6	6	12	12	7	7	10	14	14	14	13	18	5.1	26.3	
13-Mar-07	18	11	9	13	9	7	8	6	4	4	1	3	4	6	0	8	11	11	10	9	13	10	4	N	5.1	17.7	
14-Mar-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
15-Mar-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
16-Mar-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
17-Mar-07	N	N	N	N	N	N	N	N	N	N	N	8	6	4	5	7	11	14	16	13	22	15	8	7	N	21.8	
18-Mar-07	1	3	3	6	7	6	8	8	12	11	13	11	10	9	8	5	7	6	2	2	5	8	5	7	5.2	12.7	
19-Mar-07	7	7	13	26	30	32	24	21	20	24	33	32	30	32	33	30	24	23	26	25	21	23	19	21	23.8	32.9	
20-Mar-07	20	21	21	24	22	17	17	16	21	19	7	8	7	6	7	3	5	4	8	17	18	14	11	8	3.6	24.0	
21-Mar-07	7	5	5	6	12	11	11	12	9	16	17	18	23	24	23	21	30	27	20	19	18	32	31	32	14.7	32.2	
22-Mar-07	33	34	36	34	37	34	36	36	34	30	26	30	23	21	18	14	9	9	7	8	11	10	13	16	22.8	36.5	
23-Mar-07	15	13	14	13	13	11	12	16	20	20	19	16	18	16	13	18	19	13	10	10	10	12	19	19	12.8	20.5	
24-Mar-07	26	26	24	27	26	30	25	21	18	19	12	11	8	6	4	3	8	10	7	4	5	7	4	N	10.5	29.5	
25-Mar-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
26-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	11	9	11	10	11	4	8	12	12	12	11	N	12.1
27-Mar-07	12	10	12	11	11	12	13	13	11	3	6	11	13	12	14	12	12	8	9	8	8	5	4	4	0.9	14.1	
28-Mar-07	3	8	3	5	10	11	8	12	12	9	9	16	15	15	12	13	16	21	25	23	24	23	21	18	13.5	24.8	
29-Mar-07	16	16	14	17	15	15	16	17	15	14	16	15	11	9	10	11	10	11	12	14	5	2	4	7	11.3	16.8	
30-Mar-07	10	11	10	11	7	5	2	1	1	5	4	3	3	6	2	2	4	7	14	24	28	28	26	20	4.6	28.1	
31-Mar-07	9	9	15	15	14	11	6	12	13	14	12	12	15	16	15	15	13	12	16	19	22	19	14	16	13.2	21.6	
1-hr Vector	1.7	1.8	1.9	3.2	2.9	3.3	2.2	2.0	3.3	3.0	3.5	2.9	2.6	2.2	1.5	2.4	2.5	2.3	1.5	1.2	1.4	1.3	0.9	0.8			
Hourly Max	33.5	33.5	35.6	34.3	36.5	34.4	35.8	36.0	34.3	30.3	32.9	32.1	29.9	31.7	32.6	29.7	29.9	26.8	26.0	25.0	27.8	32.2	31.1	31.8			

PASZA - Portable-Fahler - Wind Direction Monthly Summary

Station: Portable-Fahler
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	622 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	83.6%				
Percentile	99	95	75	50	25	5	1	Average
	356.0	339.3	252.3	142.0	100.0	11.3	4.8	122 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-Mar-07	51	57	67	77	52	85	36	96	126	129	98	95	137	233	267	23	333	29	271	298	330	328	321	337	33	NNE		
2-Mar-07	351	342	356	339	1	14	19	33	94	149	132	130	133	128	128	127	126	127	128	126	126	137	152	165	121	ESE		
3-Mar-07	157	162	162	162	172	199	290	5	22	12	11	14	23	25	23	24	27	26	16	10	10	5	16	16	30	NNE		
4-Mar-07	25	25	21	32	35	35	40	40	50	74	88	95	85	69	81	78	31	15	59	71	70	72	73	70	55	NE		
5-Mar-07	69	63	74	79	76	58	57	70	76	69	72	60	34	28	15	11	17	4	359	7	4	6	3	1	39	NE		
6-Mar-07	8	11	17	36	106	109	110	132	103	113	127	137	128	126	129	129	122	128	122	121	126	128	127	129	119	ESE		
7-Mar-07	126	125	127	127	127	118	123	121	117	110	117	122	133	204	300	349	5	300	349	265	286	154	190	196	132	SE		
8-Mar-07	206	189	166	192	150	225	304	265	223	172	197	235	220	223	204	182	148	148	154	143	130	128	122	145	178	S		
9-Mar-07	162	152	119	120	125	137	139	166	169	225	192	149	147	195	244	337	15	313	310	289	278	219	279	28	166	SSE		
10-Mar-07	30	19	18	23	13	14	19	21	16	7	349	353	13	8	12	9	6	21	27	24	24	22	23	6	16	NNE		
11-Mar-07	11	8	5	11	5	358	358	359	323	292	116	136	93	64	38	23	23	41	333	349	5	350	6	29	9	N		
12-Mar-07	349	18	13	353	341	349	352	345	339	280	252	208	186	241	264	263	240	172	173	199	210	212	229	233	298	WNW		
13-Mar-07	233	235	231	227	221	213	207	207	170	160	208	143	214	272	152	106	124	118	133	156	189	119	359	N	187	S		
14-Mar-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	-
15-Mar-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	-
16-Mar-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	-
17-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	332	335	352	339	330	320	306	315	346	21	15	13	11	N	-	
18-Mar-07	307	257	316	348	14	6	356	348	12	9	358	8	18	7	28	64	82	61	293	192	77	61	115	109	21	NNE		
19-Mar-07	122	84	86	101	102	105	107	118	120	116	110	111	113	114	109	109	112	112	123	121	121	123	123	130	113	ESE		
20-Mar-07	129	122	126	128	125	110	93	103	122	100	195	252	321	314	288	322	334	251	271	287	300	298	301	301	129	SE		
21-Mar-07	276	266	239	180	128	132	166	171	161	185	180	200	234	195	197	221	239	244	240	252	248	254	249	251	222	SW		
22-Mar-07	254	256	260	257	263	260	260	262	264	265	268	267	267	271	280	286	270	246	235	207	250	228	219	230	259	W		
23-Mar-07	233	227	228	217	221	181	176	175	161	165	162	148	144	160	158	168	168	188	206	194	209	233	237	253	189	S		
24-Mar-07	242	252	254	254	247	239	245	250	246	252	234	250	239	239	202	116	103	105	71	109	146	97	131	N	238	WSW		
25-Mar-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	-
26-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	147	111	133	134	138	133	129	142	133	135	95	N	-	
27-Mar-07	106	133	151	142	125	112	110	121	127	112	278	303	305	292	310	308	313	302	313	291	289	307	285	246	281	WNW		
28-Mar-07	63	109	159	125	117	120	115	115	117	132	156	160	157	162	142	110	119	126	126	128	129	138	140	145	132	SE		
29-Mar-07	140	128	123	131	125	133	146	151	143	143	148	159	144	126	106	102	90	106	119	128	109	335	342	98	129	SE		
30-Mar-07	115	111	120	123	121	108	305	355	178	68	76	35	318	332	323	309	312	324	278	300	299	291	293	297	305	NW		
31-Mar-07	311	288	301	287	291	301	306	304	302	312	306	316	312	313	309	310	310	316	352	346	342	335	324	330	316	NW		
Hourly Avg	142	119	123	133	116	121	108	116	128	127	142	146	151	158	116	91	86	94	91	96	52	110	183	172				

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

Station: Portable-Fahler
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

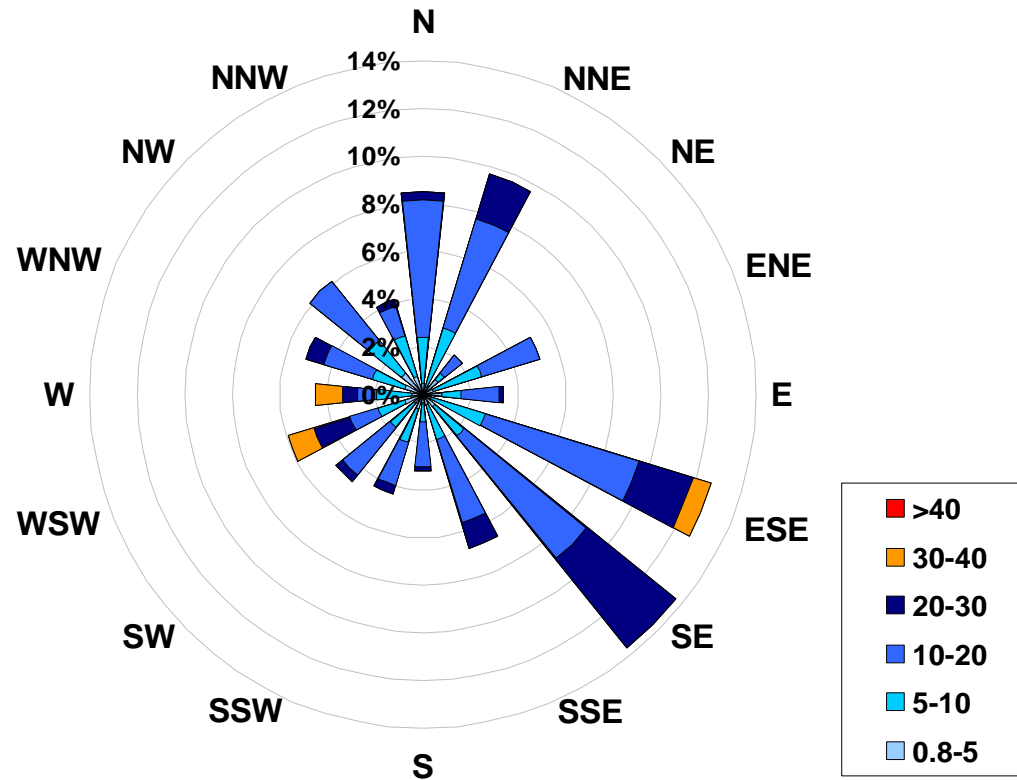
Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	622 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	83.6%			
Percentile	99	95	75	50	25	5	1
	45.2	26.9	8.1	4.5	2.8	1.6	1.0

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

Day	Mountain Standard Time																							Daily Maximum	
	Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00		22:00 23:00
1-Mar-07	2	2	4	6	8	7	18	27	10	10	11	11	17	9	19	38	29	8	29	9	4	9	6	3	37.7
2-Mar-07	4	5	4	14	5	5	7	5	8	4	3	2	3	2	1	1	1	2	1	1	1	2	2	3	13.9
3-Mar-07	2	2	3	2	3	5	16	11	10	4	4	4	5	4	4	3	3	4	4	4	3	3	5	4	15.8
4-Mar-07	4	3	5	6	3	4	4	4	6	5	5	4	6	5	6	4	9	5	7	4	3	11	18	7	18.0
5-Mar-07	4	5	5	5	7	4	4	6	4	5	6	7	9	6	7	5	6	6	4	3	4	4	4	4	9.1
6-Mar-07	5	4	5	4	7	5	2	27	5	2	3	3	2	3	2	2	3	4	3	2	2	1	1	1	26.6
7-Mar-07	1	2	3	1	3	4	3	3	3	4	4	3	3	38	26	29	18	34	11	52	7	20	4	4	51.8
8-Mar-07	4	13	7	10	25	15	35	7	8	10	9	12	6	4	3	4	5	2	3	3	3	2	2	3	35.0
9-Mar-07	3	4	8	3	5	3	4	2	5	23	14	5	5	10	14	7	8	9	7	27	12	8	19	3	27.0
10-Mar-07	3	5	5	6	7	6	6	6	4	6	8	10	6	6	4	3	5	5	2	3	3	4	3	3	9.9
11-Mar-07	3	2	3	4	4	4	5	11	13	29	27	13	17	8	12	15	8	36	8	4	3	6	5	6	36.2
12-Mar-07	5	8	4	5	3	5	5	7	7	9	16	23	15	13	7	4	9	6	5	4	3	2	2	1	23.1
13-Mar-07	1	2	2	3	2	4	4	7	6	9	29	13	15	15	34	7	3	4	9	6	9	8	42	N	42.5
14-Mar-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
15-Mar-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
16-Mar-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
17-Mar-07	N	N	N	N	N	N	N	N	N	N	N	10	9	17	9	9	7	6	4	11	5	4	5	14	16.9
18-Mar-07	39	11	12	4	4	4	12	10	7	4	3	6	5	10	4	13	6	14	21	34	10	5	12	6	38.9
19-Mar-07	9	7	4	2	4	4	6	3	3	5	3	2	2	3	2	2	4	3	2	2	3	3	5	2	8.7
20-Mar-07	3	2	2	2	2	4	4	6	4	6	22	7	9	8	13	18	9	19	10	4	3	3	3	5	22.1
21-Mar-07	6	10	8	11	3	3	4	5	3	3	2	9	5	5	3	3	4	2	3	6	3	2	3	2	11.2
22-Mar-07	2	2	1	1	1	1	1	2	1	1	2	2	4	3	3	4	7	4	6	12	5	4	4	1	11.7
23-Mar-07	2	3	2	2	5	7	3	3	3	2	3	2	3	3	4	5	5	10	12	5	6	5	3	2	12.1
24-Mar-07	2	2	2	1	3	2	2	2	3	4	4	6	11	16	17	23	8	5	9	29	41	10	38	N	41.4
25-Mar-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
26-Mar-07	N	N	N	N	N	N	N	N	N	N	N	N	N	4	20	6	7	5	56	15	5	3	8	8	55.8
27-Mar-07	4	5	3	10	7	4	6	4	3	16	12	6	2	6	4	3	3	6	4	2	4	6	8	5	16.4
28-Mar-07	45	10	16	21	7	4	18	4	2	6	6	2	3	2	3	4	2	2	1	3	1	1	2	1	45.4
29-Mar-07	2	1	6	2	2	2	1	2	3	2	2	3	1	5	4	3	13	5	6	2	45	29	16	24	44.6
30-Mar-07	9	3	4	5	10	21	64	64	28	17	22	28	33	10	50	64	26	15	9	4	3	4	4	4	64.2
31-Mar-07	8	6	4	4	3	3	6	5	5	2	3	2	2	2	3	2	2	4	4	2	2	2	3	3	8.4
Hourly Max	45	13	16	21	25	21	64	64	28	29	29	28	33	38	50	64	29	36	56	52	45	29	42	24	

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



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	61
5	to	10	151
10	to	20	298
20	to	30	93
30	to	40	19
	>	40	0
Total Non-Zero Values			622

PASZA – Valleyview Station

Monthly Summary Tables, Graphs, and Roses

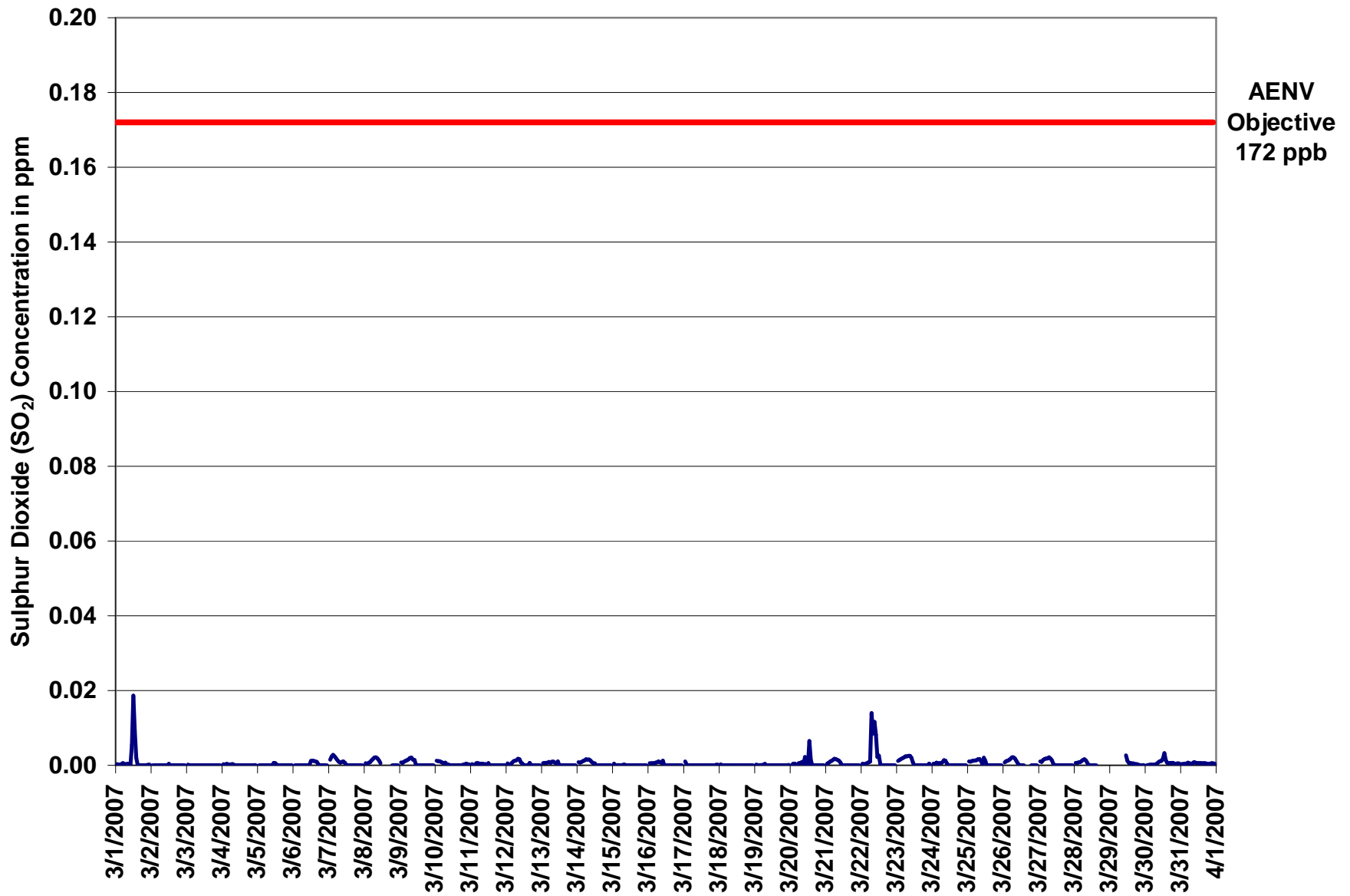


Figure 54. PASZA - Valleyview Sulphur Dioxide 1-hr Average Monthly Trend

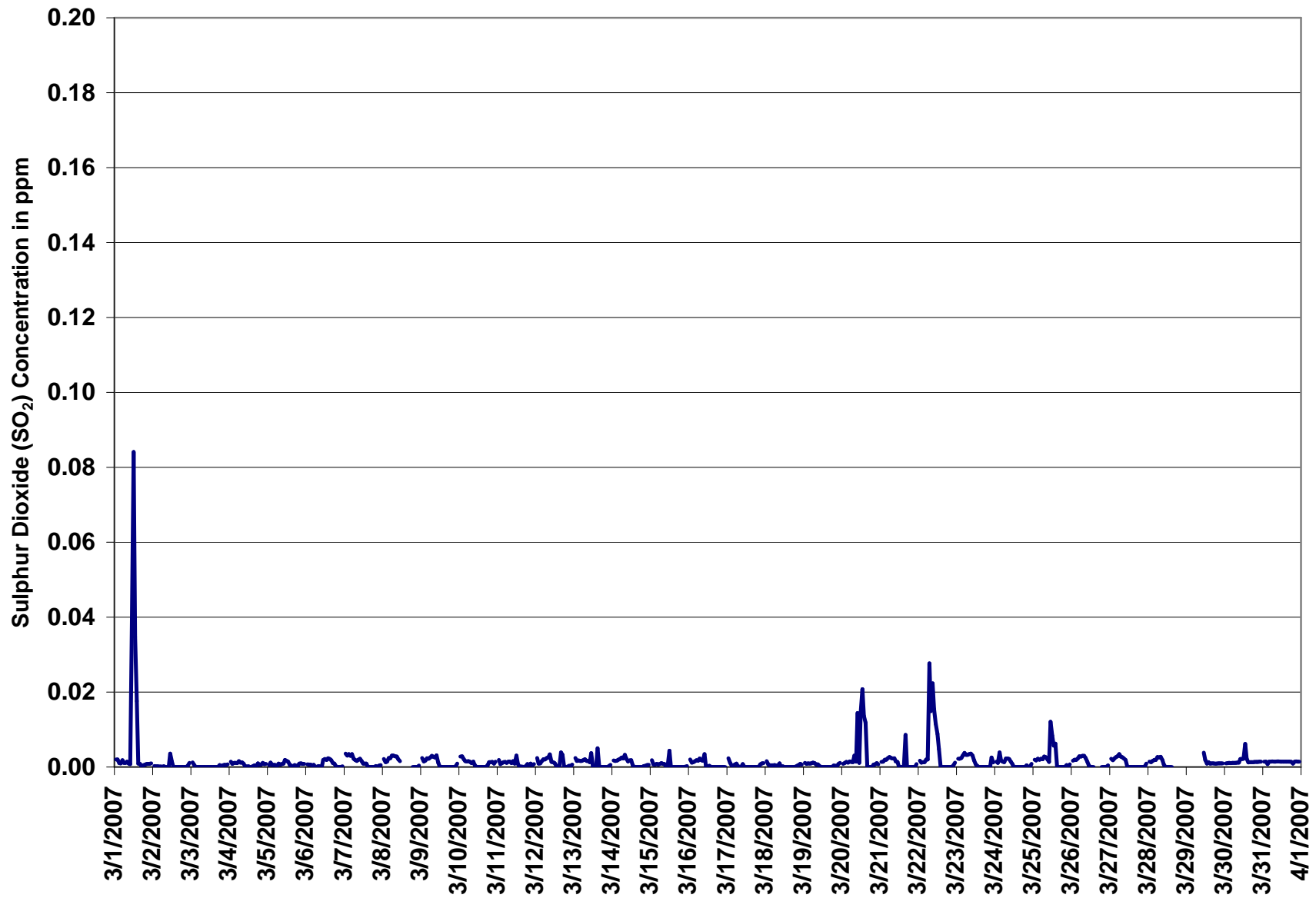
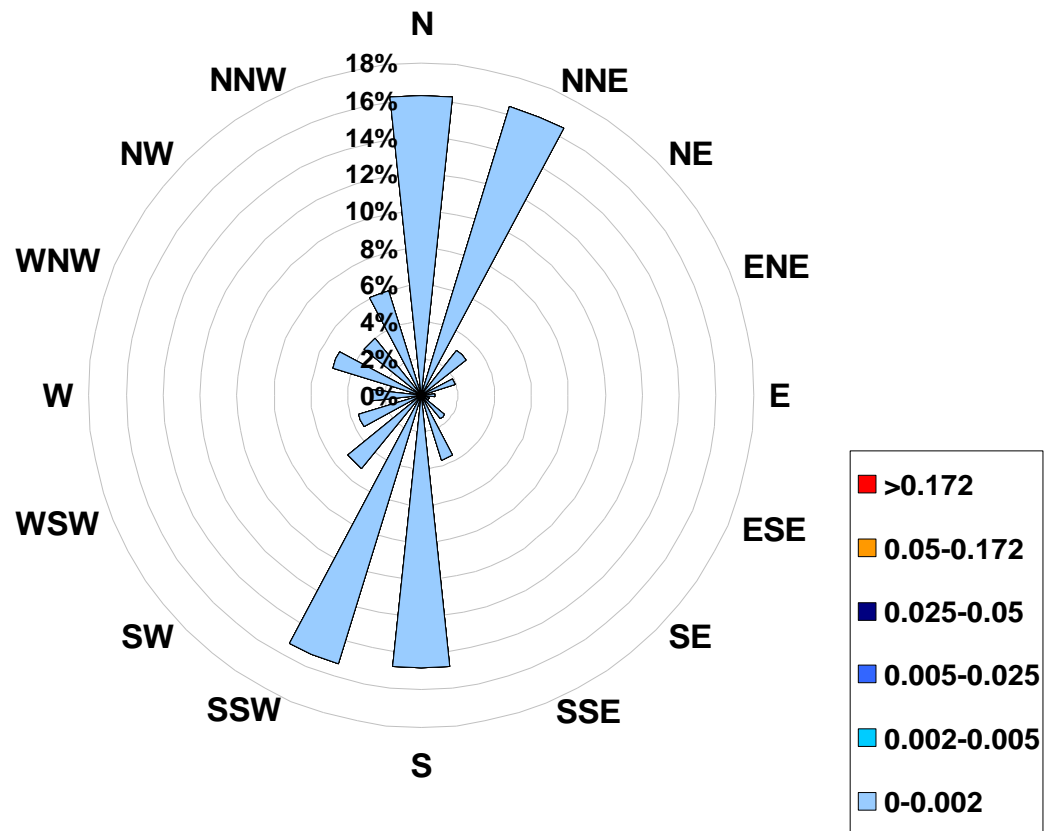


Figure 55. PASZA - Valleyview Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppm		
Range	Frequency (hrs)	
0.0 < 0.002	655	
0.002 to 0.005	22	
0.005 to 0.025	8	
0.025 to 0.05	0	
0.05 to 0.172	0	
> 0.172	0	
Total Non-Zero Values	685	

PASZA - Valleyview - Hydrogen Sulphide Monthly Summary

HOURLY AVERAGE TABLE

Hydrogen Sulphide (H₂S)

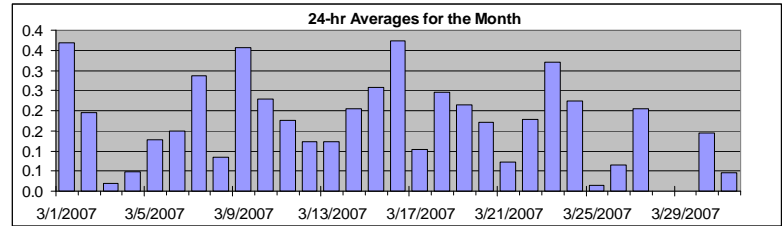
Station: Valleyview
 Station Owner: PASZA

Monitoring Dates: March 1, 2007 to April 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:	0.8 ppb 9-Mar 14:00 15:00
Maximum 24-hr Value:	0.4 ppb 16-Mar



AIC Time:	33 hrs	Operational Time:	695 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	98.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.2 ppb	0.2 ppb

Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum		
Hour Start	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-Mar-07	A	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6	
2-Mar-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	0.2	0.5	
3-Mar-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	0.2	
4-Mar-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	0.2	
5-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
6-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.1	0.5	
7-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0.3	0.6	
8-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	A	A	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
9-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0.4	0.8	
10-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0.2	0.6	
11-Mar-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	0.2	0.4	
12-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
13-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4	
14-Mar-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	0.2	0.5	
15-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.3	0.5	
16-Mar-07	A	0	0	0	1	0	0	1	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0.4	0.7	
17-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
18-Mar-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	0.2	0.4	
19-Mar-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	0.2	0.5	
20-Mar-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	0.2	0.5	
21-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2	
22-Mar-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	0.2	0.5	
23-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0.3	0.6	
24-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.2	0.6	
25-Mar-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	0.1	
26-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4	
27-Mar-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	0.2	0.4	
28-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	C	C	C	C	S	S	N	0.6
29-Mar-07	S	S	S	S	S	S	S	S	S	C	C	A	0	0	0	0	0	0	0	0	0	0	0	0	0	N	0.2	
30-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3	
31-Mar-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	0.2	
Hourly Avg	N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1			
Hourly Max	0.0	0.5	0.4	0.5	0.5	0.4	0.4	0.7	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.7	0.7	0.7	0.6	0.7	0.5	0.5	0.4	0.4			

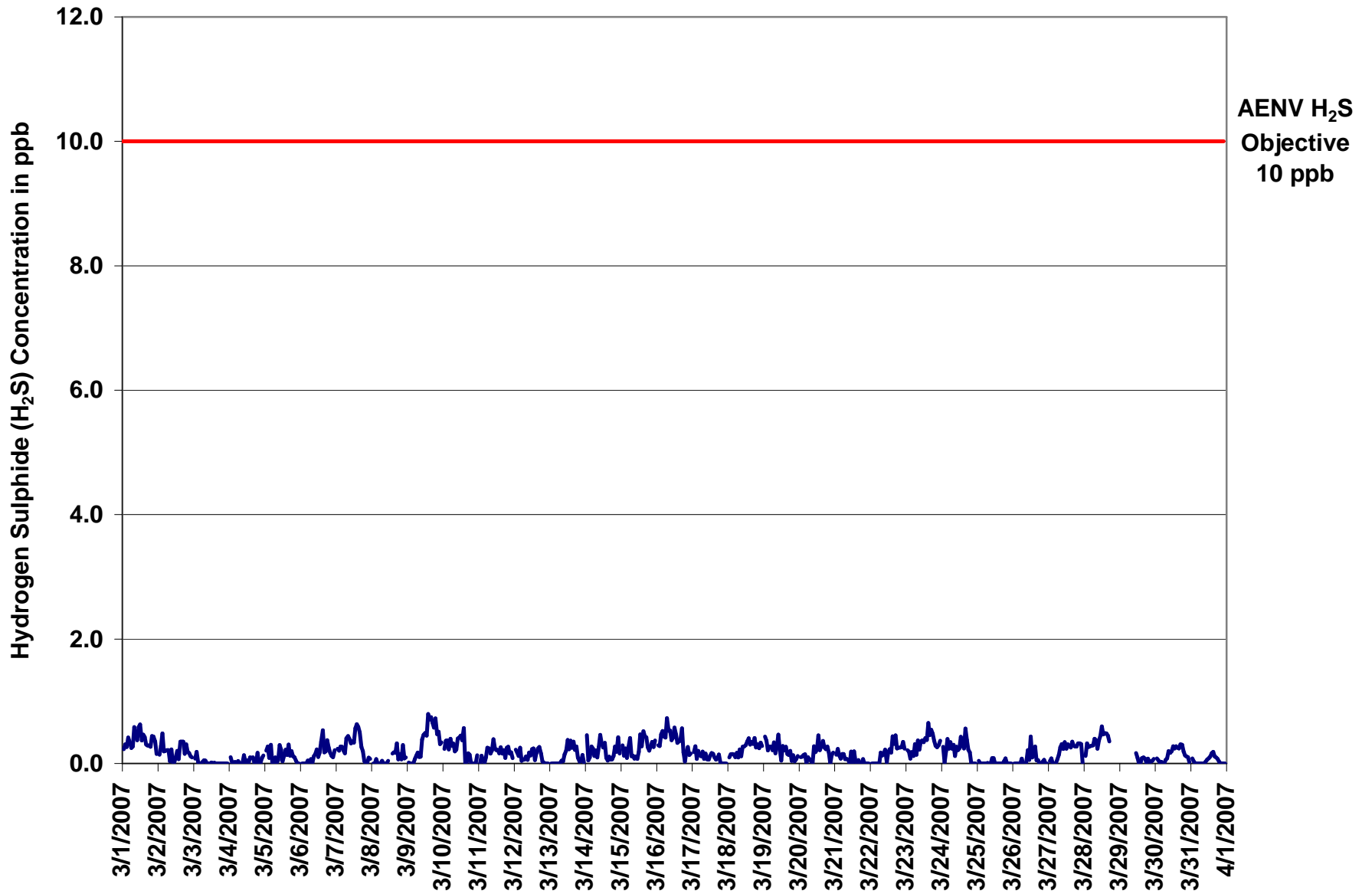


Figure 56. PASZA - Valleyview Hydrogen Sulphide 1-hr Average Monthly Trend

Station: Valleyview
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

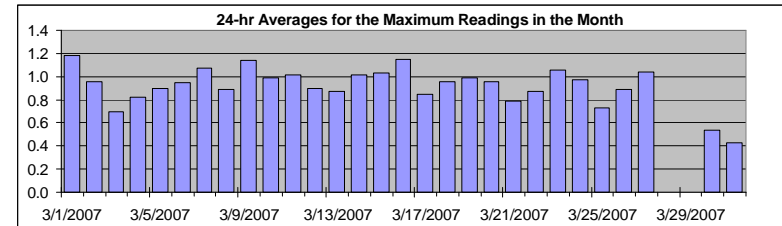
Hydrogen Sulphide (H₂S)

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

Summary

Maximum 1-hr Value:	5.3	ppb	26-Mar	12:00 13:00
Maximum 24-hr Value:	1.2	ppb	1-Mar	

AIC Time:	33 hrs	Operational Time:	695 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	98.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.6	1.4	1.1	0.9	0.7	0.4	0.3	0.9 ppb	0.9 ppb



Status Flag Characters

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

Day Mountain Standard Time

Hour Start Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum		
1-Mar-07	A	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1.2	2.0	
2-Mar-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	1.0	1.3	
3-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	0	0.7	1.1		
4-Mar-07	A	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2	
5-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2	
6-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4	
7-Mar-07	A	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1.1	1.8	
8-Mar-07	A	1	1	1	1	1	1	1	0	0	0	1	A	A	1	1	1	3	1	1	1	1	1	1	0.9	2.6	
9-Mar-07	A	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1	1	1.1	2.0	
10-Mar-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	1.0	1.4	
11-Mar-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	1.0	1.3	
12-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4	
13-Mar-07	A	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2	
14-Mar-07	A	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.6	
15-Mar-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	1.0	1.5	
16-Mar-07	A	1	1	1	1	2	1	1	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1.1	1.6	
17-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.2	
18-Mar-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	1.0	1.3	
19-Mar-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	1.0	1.4	
20-Mar-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	1.0	1.5	
21-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0.8	1.2	
22-Mar-07	A	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.4	
23-Mar-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	1.4	
24-Mar-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	1.0	1.5	
25-Mar-07	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0.7	1.1	
26-Mar-07	A	1	1	0	1	0	1	1	1	1	1	1	5	1	1	1	1	1	1	0	1	1	1	1	0.9	5.3	
27-Mar-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	1.0	1.3	
28-Mar-07	A	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	C	S	S	N	1.6	0.6	
29-Mar-07	S	S	S	S	S	S	S	S	C	C	A	1	1	0	0	1	0	1	0	0	0	0	0	0	N	0.6	0.7
30-Mar-07	A	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0.5	0.7	
31-Mar-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0.4	0.6	
Hourly Avg	N	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.0	1.0	1.0	0.9	1.0	0.9	0.9	0.8	0.8	0.8	0.8			
Hourly Max	0.0	1.6	1.6	1.3	1.6	1.3	1.5	1.8	1.3	1.5	1.3	2.0	5.3	1.5	2.0	1.6	1.5	2.6	1.2	1.3	1.3	1.6	1.5	1.4			

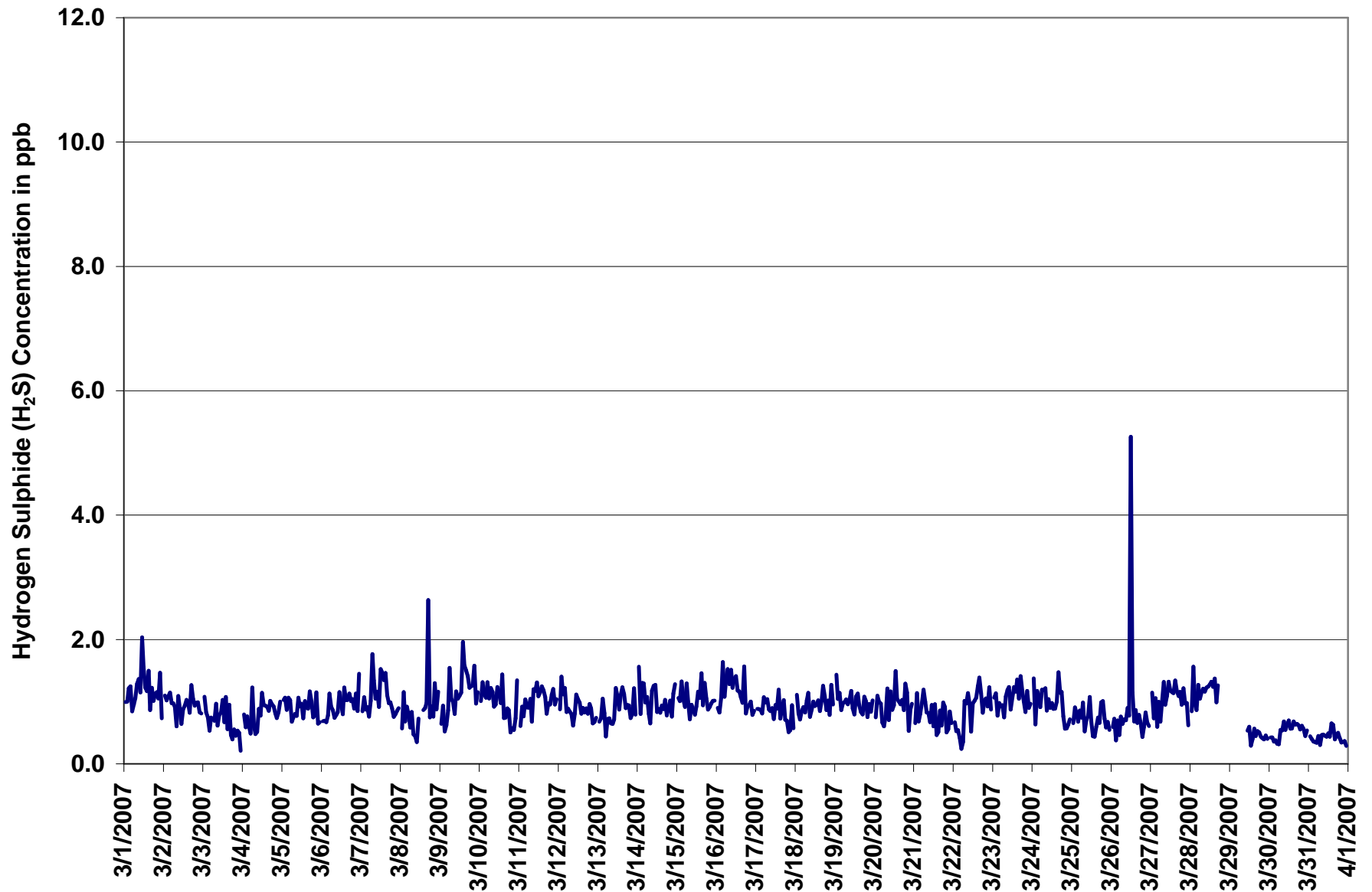
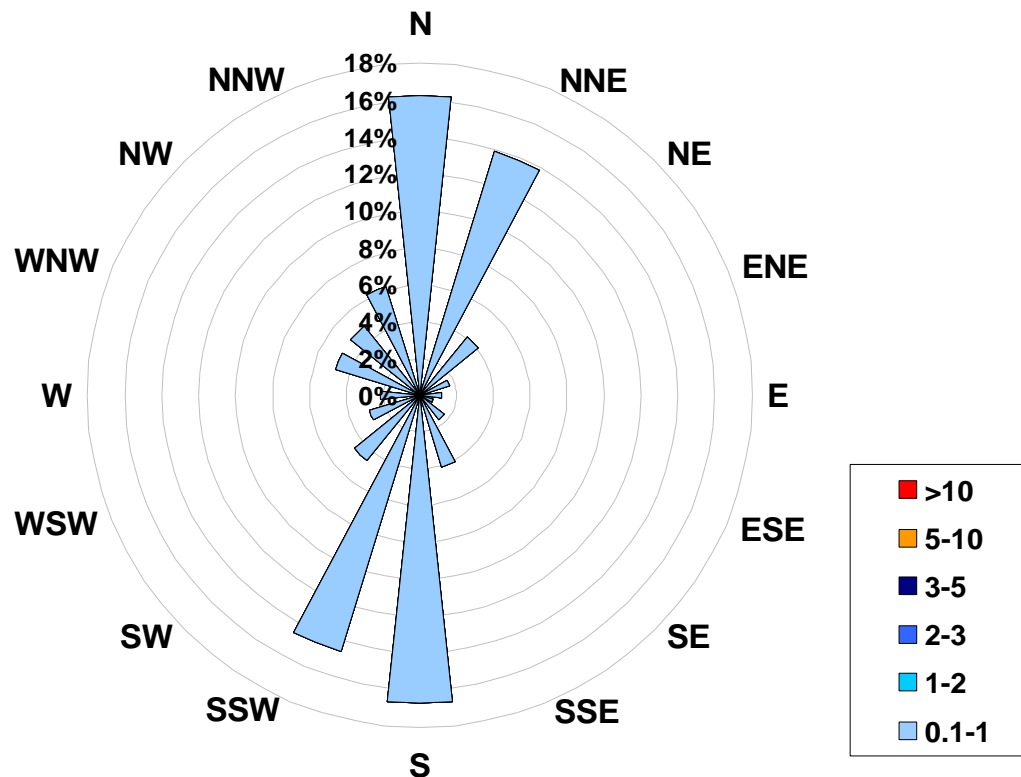


Figure 57. PASZA - Valleyview Hydrogen Sulphide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of H ₂ S in ppb Range			Frequency (hrs)
0.1	<	1	695
1	to	2	0
2	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			695

PASZA - Valleyview - Relative Humidity Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

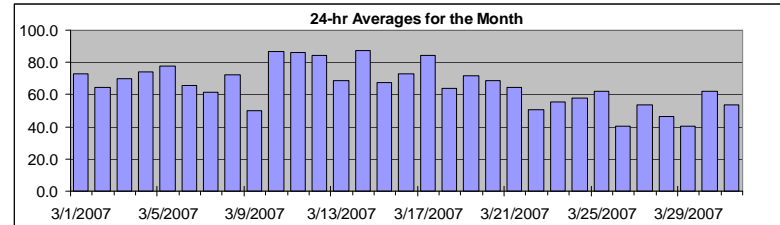
Relative Humidity (RH)

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

Summary

Maximum 1-hr Average:	98.0	%	8-Mar	5:00 6:00
Maximum 24-hr Value:	87.3	%	14-Mar	

AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	95.9	93.2	81.1	68.2	50.5	32.3	21.0	65.7 %	68.2 %



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
Hour Start Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00			
1-Mar-07	88	84	80	81	79	79	79	79	78	78	70	65	63	62	60	58	57	59	65	71	75	79	82	83	73.1	87.8	
2-Mar-07	81	83	83	82	82	81	80	81	84	78	72	61	52	46	44	43	44	44	46	48	53	56	58	60	64.3	83.6	
3-Mar-07	60	69	80	75	71	69	72	76	71	62	57	67	65	63	63	62	64	68	73	76	78	78	79	80	69.9	80.1	
4-Mar-07	77	76	77	77	78	77	76	75	74	73	71	70	69	69	68	67	68	70	74	75	76	77	78	79	73.8	79.2	
5-Mar-07	80	80	80	80	80	81	81	81	81	81	78	75	73	73	74	75	72	72	73	75	76	78	81	81	82	77.7	81.8
6-Mar-07	83	84	84	85	86	87	87	87	85	81	75	61	49	45	44	43	44	46	48	50	53	54	55	57	65.6	87.1	
7-Mar-07	57	58	60	61	61	61	61	63	66	64	58	52	49	47	44	50	51	53	55	60	68	90	94	95	61.7	95.5	
8-Mar-07	96	96	95	96	96	98	97	86	85	80	68	57	68	77	57	49	45	48	54	61	63	55	52	53	72.1	98.0	
9-Mar-07	52	51	47	45	44	46	50	51	51	46	38	35	32	30	32	36	38	48	52	54	65	79	87	90	50.0	89.6	
10-Mar-07	92	95	94	95	94	95	95	94	88	86	75	73	74	75	77	79	82	83	85	88	91	92	91	91	86.8	95.0	
11-Mar-07	91	91	89	93	93	92	91	92	91	91	91	89	81	75	72	70	66	72	82	87	91	93	94	94	86.4	93.9	
12-Mar-07	94	94	94	94	92	91	91	90	88	83	83	81	79	74	71	83	75	72	77	86	87	86	82	82	84.5	94.3	
13-Mar-07	81	80	81	82	82	81	79	76	73	65	55	47	45	42	43	43	46	69	73	74	77	82	87	91	68.8	90.8	
14-Mar-07	94	95	95	93	90	89	87	87	87	83	88	89	87	78	76	81	86	81	79	82	83	88	93	95	94	87.3	95.2
15-Mar-07	92	91	90	89	88	86	86	84	81	79	65	46	40	44	42	41	38	40	60	65	68	67	68	72	67.6	92.4	
16-Mar-07	74	75	78	80	82	82	81	79	76	68	64	64	80	70	66	60	59	66	70	74	75	75	75	69	72.6	81.9	
17-Mar-07	67	71	85	89	89	87	87	88	89	96	93	90	89	90	88	86	84	82	80	84	81	77	76	76	84.3	95.6	
18-Mar-07	80	81	81	80	79	78	72	68	67	65	64	62	59	56	55	50	50	50	50	54	56	57	58	60	63.8	81.3	
19-Mar-07	61	61	61	63	63	63	64	75	80	76	72	81	77	67	64	66	68	71	80	79	78	82	83	83	71.6	83.2	
20-Mar-07	82	84	82	84	88	88	87	84	79	70	75	71	66	56	52	44	37	33	35	41	64	76	85	82	68.6	88.1	
21-Mar-07	83	89	92	93	89	81	77	72	67	58	49	43	52	85	76	54	57	46	44	45	47	49	51	52	64.6	93.1	
22-Mar-07	53	56	59	58	58	66	62	53	52	47	43	42	38	36	38	41	45	48	47	48	53	56	50	65	50.6	65.9	
23-Mar-07	70	70	71	73	76	76	74	71	65	55	49	45	40	36	35	35	34	35	36	44	52	59	60	66	55.3	76.2	
24-Mar-07	74	75	74	72	68	58	57	56	50	48	40	33	30	29	26	27	32	55	66	73	76	86	89	89	57.7	89.3	
25-Mar-07	94	95	95	96	96	97	96	93	86	73	61	51	46	43	37	34	32	31	32	35	36	38	43	46	61.9	97.1	
26-Mar-07	50	56	60	63	63	66	66	59	51	44	35	28	23	20	19	19	20	23	25	28	31	40	41	42	40.5	66.5	
27-Mar-07	51	54	57	59	63	66	69	71	63	53	42	45	46	43	39	39	42	50	47	51	54	56	60	62	53.3	71.1	
28-Mar-07	65	69	79	82	85	86	88	80	66	55	42	34	25	22	20	16	16	19	22	23	24	27	30	33	46.2	87.8	
29-Mar-07	35	35	37	39	42	46	49	49	48	47	43	38	29	26	23	25	26	31	35	41	48	52	58	66	40.4	66.4	
30-Mar-07	72	76	79	80	79	78	83	80	68	55	48	42	39	34	35	40	41	40	49	58	65	73	86	84	61.9	86.4	
31-Mar-07	67	48	49	50	53	54	58	63	61	60	53	49	45	44	47	45	42	42	49	53	58	62	64	64	53.4	66.5	
Hourly Avg	74.0	74.9	76.4	77.1	77.1	77.0	76.9	75.7	72.6	67.8	61.8	57.4	54.9	53.4	51.3	50.3	50.2	53.1	57.1	60.9	64.7	68.6	70.7	72.3			
Hourly Max	96.1	96.3	95.5	95.8	96.5	98.0	96.5	93.9	91.4	95.6	92.6	90.1	89.2	89.9	87.6	85.8	83.9	83.3	85.4	88.0	91.4	93.2	94.5	95.5			

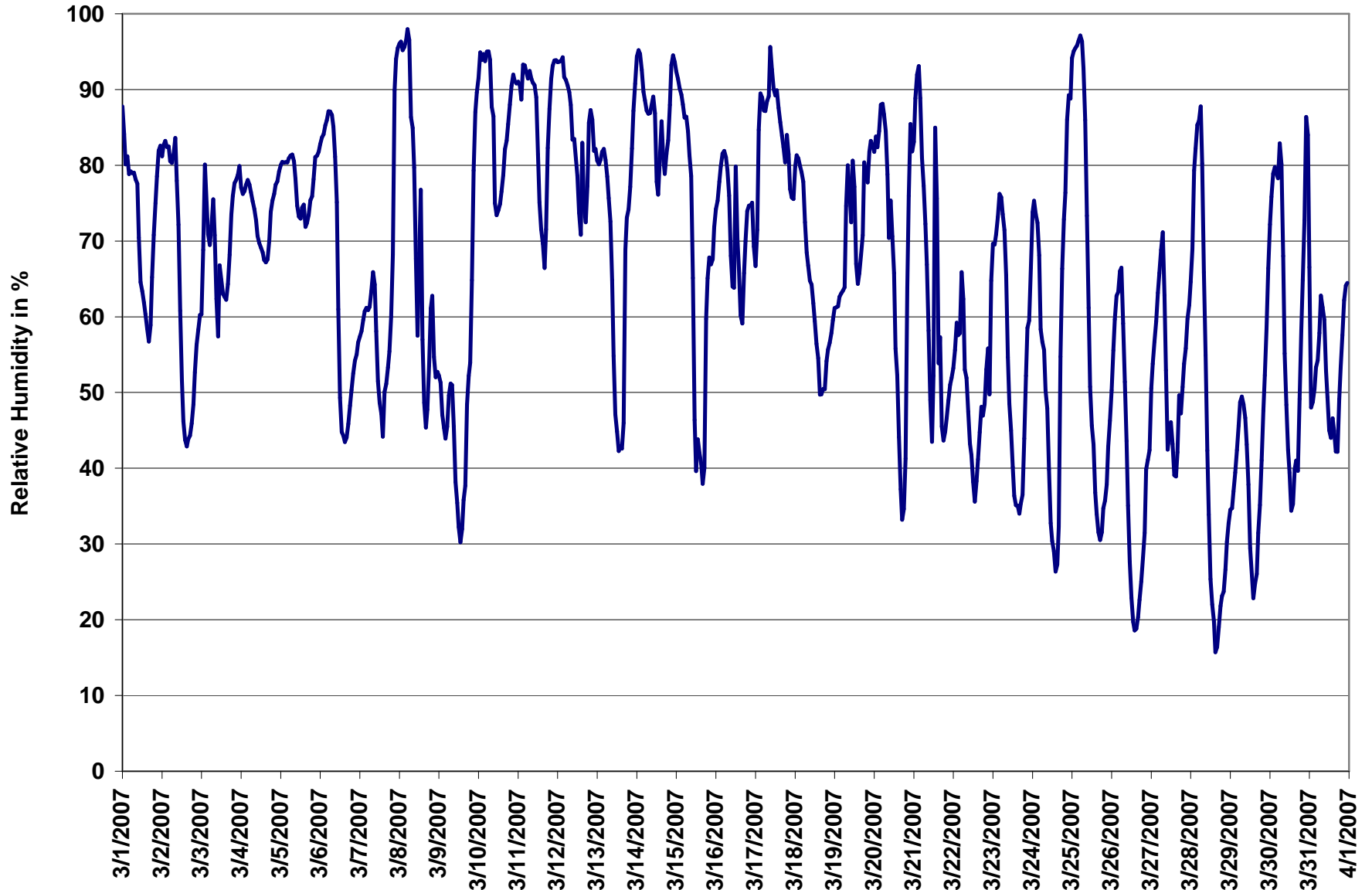


Figure 58. PASZA - Valleyview Relative Humidity 1-hr Average Monthly Trend

PASZA - Valleyview - Temperature Monthly Summary

Station: Valleyview
 Station Owner: PASZA

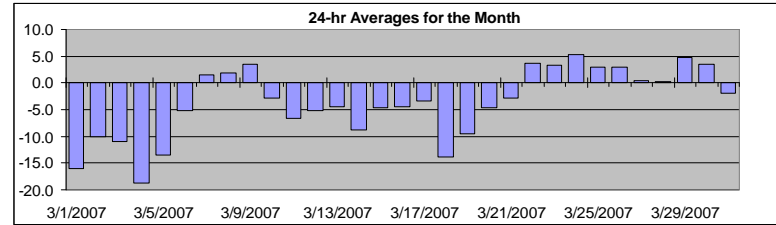
HOURLY AVERAGE TABLE

Ambient Temperature (T)

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

Summary

Maximum 1-hr Average:	13.8	°C	29-Mar	14:00 15:00
Maximum 24-hr Value:	5.4	°C	24-Mar	



AIC Time:	0 hrs	Operational Time:	744 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	9.7	7.6	1.8	-2.5	-8.8	-17.5	-22.1	-3.7 °C	-2.5 °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	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-Mar-07	-18	-20	-21	-22	-23	-22	-22	-22	-21	-20	-16	-13	-12	-10	-10	-9	-8	-9	-11	-13	-14	-15	-16	-16	-16	-15.9	-8.1
2-Mar-07	-15	-16	-17	-18	-18	-19	-20	-20	-18	-16	-15	-10	-5	-3	-2	-1	-1	-1	-2	-3	-4	-5	-5	-5	-5	-10.1	-1.1
3-Mar-07	-5	-5	-5	-4	-4	-4	-5	-6	-5	-3	-1	-7	-12	-13	-14	-15	-16	-18	-19	-20	-20	-20	-21	-21	-10.9	-0.6	
4-Mar-07	-21	-21	-22	-22	-22	-22	-22	-22	-21	-21	-20	-19	-18	-17	-16	-16	-15	-15	-16	-16	-16	-16	-16	-16	-16	-18.7	-15.1
5-Mar-07	-16	-16	-16	-16	-16	-15	-15	-15	-15	-15	-14	-13	-13	-12	-11	-11	-11	-11	-11	-11	-12	-13	-13	-13	-13.5	-10.6	
6-Mar-07	-13	-13	-13	-13	-13	-13	-13	-13	-13	-11	-9	-5	-1	1	2	3	4	4	3	2	1	0	-1	-1	-5.2	4.0	
7-Mar-07	-2	-2	-2	-2	-1	-1	-1	-1	-2	-1	0	3	4	5	7	6	5	5	4	3	2	2	2	1	1.5	7.0	
8-Mar-07	1	1	1	1	0	-2	-1	0	0	1	3	4	3	2	5	6	6	6	4	2	1	1	1	0	1.9	6.3	
9-Mar-07	0	0	1	1	2	1	0	0	0	3	6	8	9	10	9	9	8	6	5	4	3	1	1	0	3.6	9.8	
10-Mar-07	-1	-1	-1	-1	-1	-2	-2	-2	-1	0	2	2	0	-2	-2	-3	-3	-5	-6	-8	-8	-8	-8	-9	-2.9	2.0	
11-Mar-07	-9	-9	-9	-10	-10	-10	-11	-11	-10	-10	-9	-8	-6	-5	-4	-3	-2	-3	-4	-4	-3	-3	-3	-3	-6.6	-2.5	
12-Mar-07	-5	-5	-4	-5	-6	-7	-8	-8	-7	-7	-6	-5	-4	-3	-2	-4	-3	-2	-3	-4	-5	-6	-7	-8	-5.3	-2.2	
13-Mar-07	-8	-8	-9	-10	-10	-9	-9	-8	-7	-5	-2	0	0	0	0	0	0	-1	-2	-2	-3	-4	-4	-4	-4.4	0.4	
14-Mar-07	-6	-8	-10	-11	-13	-14	-14	-14	-14	-11	-9	-8	-6	-6	-6	-5	-5	-5	-6	-7	-8	-9	-10	-10	-8.8	-4.9	
15-Mar-07	-10	-10	-9	-10	-11	-11	-12	-11	-10	-8	-4	0	1	1	1	2	3	2	0	-1	-2	-3	-4	-5	-4.6	2.6	
16-Mar-07	-6	-7	-7	-8	-9	-9	-9	-8	-7	-5	-4	-3	-3	0	0	1	2	-1	-3	-4	-4	-4	-4	-2	-4.4	1.5	
17-Mar-07	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-3	-3	-3	-2	-3	-4	-6	-6	-7	-7	-9	-10	-10	-3.4	-0.6	
18-Mar-07	-11	-12	-13	-13	-13	-13	-14	-15	-15	-15	-15	-14	-13	-12	-11	-11	-12	-13	-14	-15	-16	-17	-17	-17	-13.8	-10.9	
19-Mar-07	-18	-17	-16	-15	-15	-14	-11	-11	-10	-9	-8	-8	-7	-7	-6	-6	-6	-6	-7	-7	-7	-7	-8	-7	-9.6	-5.7	
20-Mar-07	-7	-8	-8	-9	-10	-10	-10	-9	-8	-5	-6	-4	-2	0	0	1	2	2	1	-1	-4	-5	-6	-6	-4.6	1.9	
21-Mar-07	-7	-9	-10	-11	-12	-11	-11	-10	-8	-6	-3	-2	0	-1	0	3	3	5	5	5	4	4	3	3	-2.8	5.0	
22-Mar-07	3	3	2	2	2	-1	0	3	4	5	5	6	7	7	6	6	5	5	5	5	3	2	3	0	3.7	6.9	
23-Mar-07	-2	-2	-2	-3	-4	-4	-4	-3	-2	1	4	5	7	8	9	9	10	9	9	7	8	6	7	6	3.3	9.7	
24-Mar-07	5	5	5	4	4	4	3	3	4	4	6	7	8	9	9	9	9	7	6	5	4	3	2	1	5.4	9.2	
25-Mar-07	1	1	0	0	0	0	-1	0	1	3	5	5	5	6	6	7	7	6	6	5	4	3	1	0	2.9	6.9	
26-Mar-07	-1	-2	-3	-3	-3	-4	-4	-2	0	2	5	7	8	9	9	9	8	9	8	6	5	2	1	1	2.9	9.3	
27-Mar-07	0	-1	-2	-2	-3	-3	-4	-5	-3	0	3	4	4	4	4	5	4	3	2	1	0	-1	-2	-3	0.4	4.6	
28-Mar-07	-4	-5	-7	-7	-8	-9	-10	-8	-4	-1	2	4	5	6	7	7	7	7	6	5	4	3	2	1	0.2	7.2	
29-Mar-07	1	1	1	0	0	0	0	0	0	1	3	5	9	12	14	13	13	11	9	8	6	5	3	2	4.8	13.8	
30-Mar-07	1	0	0	-1	0	0	-1	-1	-2	4	5	7	8	10	10	10	10	9	7	4	2	0	-1	-1	3.4	10.0	
31-Mar-07	0	0	0	-1	-2	-2	-3	-4	-3	-2	-1	-1	0	0	0	0	0	-1	-2	-3	-3	-4	-5	-6	-1.9	0.1	
Hourly Avg	-5.6	-6.0	-6.4	-6.7	-7.1	-7.4	-7.6	-7.2	-6.3	-4.7	-3.1	-1.8	-0.9	-0.2	0.4	0.7	0.7	0.0	-1.0	-2.0	-2.9	-3.7	-4.3	-4.8			
Hourly Max	5.5	4.9	4.7	4.1	3.9	3.9	3.0	3.0	3.9	4.7	6.4	7.6	9.2	11.8	13.8	13.3	12.9	10.6	9.5	7.7	7.6	6.5	6.6	6.3			

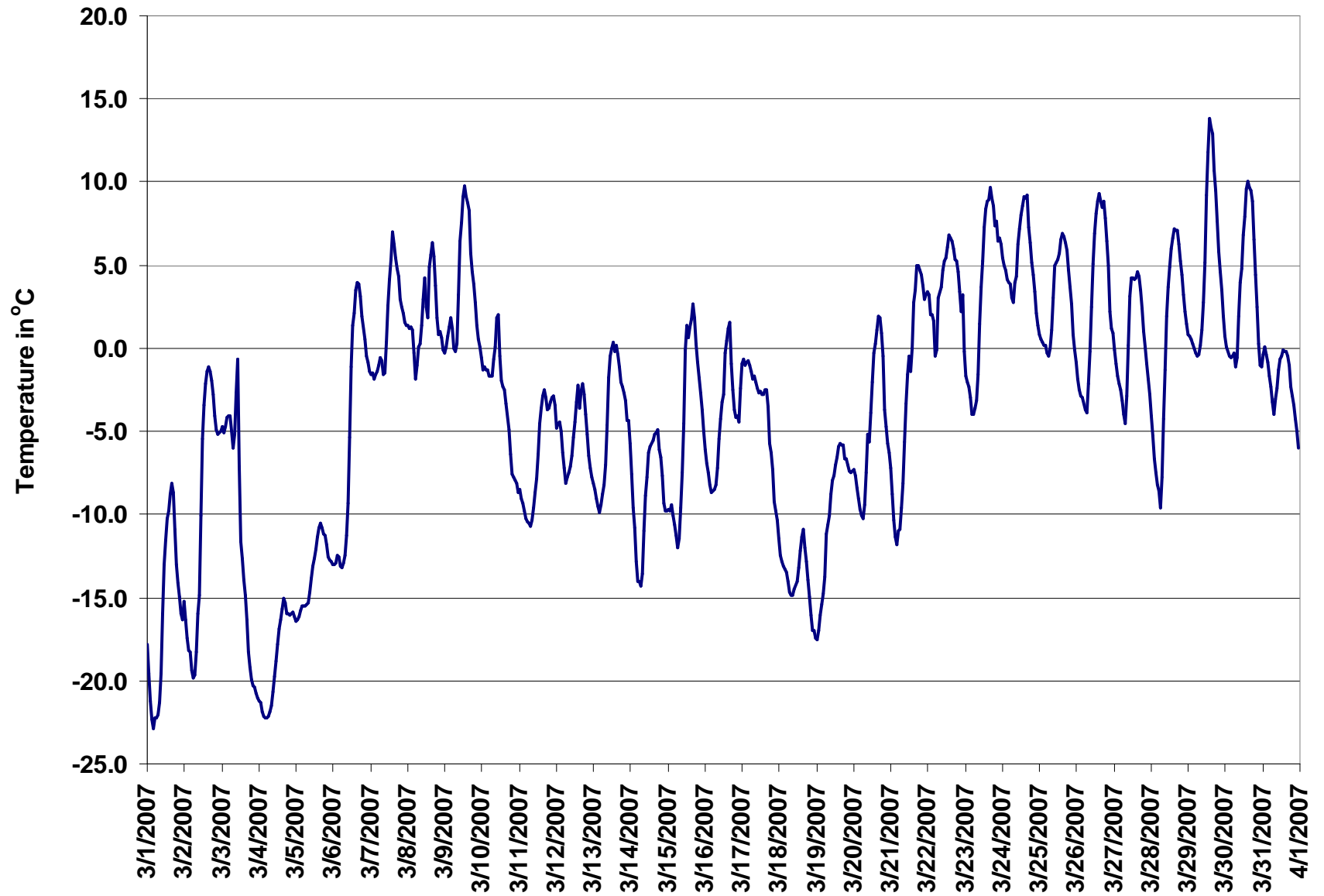


Figure 59. PASZA - Valleyview Temperature 1-hr Average Monthly Trend

PASZA - Valleyview - Scalar Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

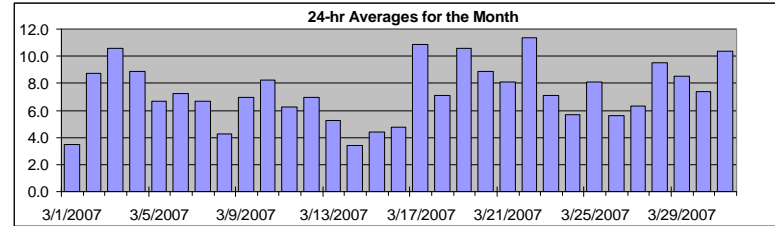
Wind Speed (WSs)

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

Summary

Maximum 1-hr Average:	25.7	km/hr	30-Mar	20:00 21:00
Maximum 24-hr Value:	11.3	km/hr	22-Mar	

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	20.2	15.6	10.0	6.5	4.0	1.8	1.2	7.4 km/hr



Status Flag Characters

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

Day	Mountain Standard Time																							24-hr Scalar Average	Daily Max		
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00			
1-Mar-07	1	1	2	2	1	2	2	2	2	1	1	3	2	3	3	5	5	6	7	9	8	6	5	4	3	3.5	9.0
2-Mar-07	2	1	2	1	2	3	2	2	2	2	3	8	15	16	15	13	13	14	14	18	19	16	15	12	8.7	19.5	
3-Mar-07	9	11	9	10	7	5	6	6	6	7	6	17	16	15	16	15	15	14	10	11	11	10	12	11	10.6	17.4	
4-Mar-07	10	9	11	9	7	7	7	7	6	4	5	9	9	13	15	12	11	11	12	9	8	8	7	7	8.9	15.1	
5-Mar-07	7	7	5	6	4	2	2	1	3	5	5	6	7	7	8	9	10	13	9	8	10	11	8	8	6.7	12.8	
6-Mar-07	6	6	4	4	5	4	5	4	4	4	4	6	9	10	10	6	7	7	9	11	14	13	12	11	7.3	13.5	
7-Mar-07	12	11	9	8	6	8	7	4	4	4	2	2	4	3	7	11	7	11	9	11	4	6	4	6	6.7	12.5	
8-Mar-07	4	6	6	2	3	4	6	9	4	4	4	5	14	6	4	3	3	3	2	2	2	3	4	2	4.3	13.6	
9-Mar-07	2	6	7	4	6	7	8	8	5	7	9	7	4	3	6	6	7	9	10	10	11	10	8	7	6.9	11.0	
10-Mar-07	5	8	2	3	2	2	1	3	4	4	5	10	14	14	12	14	15	14	13	13	11	9	9	10	8.3	14.6	
11-Mar-07	6	9	7	14	10	6	3	3	3	3	4	6	7	8	8	7	8	7	7	4	4	5	6	8	6.3	13.7	
12-Mar-07	5	3	5	11	17	17	6	8	6	6	7	3	5	6	6	14	9	5	4	4	4	4	4	5	6.9	17.0	
13-Mar-07	6	4	5	4	5	5	6	6	7	6	4	5	8	9	11	8	3	3	2	4	4	2	4	4	5.2	10.6	
14-Mar-07	2	2	2	2	2	2	2	3	2	2	2	5	6	8	9	6	5	4	4	2	2	2	3	4	3.4	9.3	
15-Mar-07	3	5	6	5	5	4	5	6	6	5	6	4	4	7	8	6	5	2	4	3	3	2	2	1	4.4	7.9	
16-Mar-07	3	3	2	3	4	3	3	3	3	2	3	4	5	7	7	8	6	9	9	8	5	4	6	5	4.8	9.3	
17-Mar-07	7	14	14	15	13	14	10	7	5	7	7	7	6	9	12	9	8	13	14	7	15	22	14	12	10.9	21.7	
18-Mar-07	10	6	5	5	4	4	8	9	7	7	9	9	7	7	8	9	11	9	8	7	6	6	6	7	7.1	10.9	
19-Mar-07	7	6	7	7	6	5	9	10	11	12	14	9	11	16	16	15	15	15	14	9	9	10	13	9	10.6	16.3	
20-Mar-07	7	9	11	6	4	3	3	3	2	3	9	4	7	11	11	15	17	19	21	13	17	12	5	3	8.9	20.6	
21-Mar-07	3	3	2	4	5	7	7	7	7	8	9	8	10	8	11	11	18	10	8	7	9	8	9	12	8.1	17.9	
22-Mar-07	14	10	7	11	7	4	4	13	18	23	24	23	24	18	12	11	13	12	7	2	3	3	4	3	11.3	23.9	
23-Mar-07	4	6	7	6	5	5	5	4	5	8	11	13	13	11	10	12	8	9	7	4	5	3	5	8	7.1	13.4	
24-Mar-07	4	4	5	5	4	7	4	5	6	7	6	7	7	5	4	4	5	12	3	4	5	5	9	11	5.7	11.8	
25-Mar-07	10	5	5	3	3	5	4	3	5	6	5	11	14	12	16	16	18	14	10	6	7	7	5	5	8.1	17.7	
26-Mar-07	6	6	5	5	4	2	3	2	7	6	8	9	7	7	8	9	9	6	6	5	2	4	5	4	5.6	8.9	
27-Mar-07	2	1	1	1	3	1	2	1	2	4	3	10	14	18	18	16	15	9	10	5	3	4	3	4	6.3	18.2	
28-Mar-07	4	3	3	3	3	2	2	3	4	8	9	14	13	15	15	16	14	12	12	12	16	15	16	13	9.5	16.1	
29-Mar-07	13	13	13	14	12	10	12	10	11	8	9	11	8	4	4	6	8	10	8	6	7	4	1	1	8.5	13.9	
30-Mar-07	3	3	3	4	3	2	2	2	1	2	4	5	5	5	6	8	7	10	16	24	26	20	11	5	7.4	25.7	
31-Mar-07	6	12	10	11	11	7	5	7	4	9	10	10	9	9	11	12	15	13	11	10	11	14	16	17	10.4	16.5	
1-hr Average	5.9	6.3	5.9	6.1	5.6	5.1	4.9	5.2	5.2	6.0	6.7	8.0	9.1	9.3	10.0	10.1	10.0	9.9	9.0	8.0	8.3	7.9	7.4	7.0			
Hourly Max	13.6	13.9	14.0	14.6	16.7	17.0	11.8	13.1	17.9	23.0	23.9	22.9	23.5	18.1	18.2	16.0	17.9	18.8	20.6	24.4	25.7	21.7	15.8	16.5			

PASZA - Valleyview - Vector Wind Speed Monthly Summary

Station: Valleyview
 Station Owner: PASZA

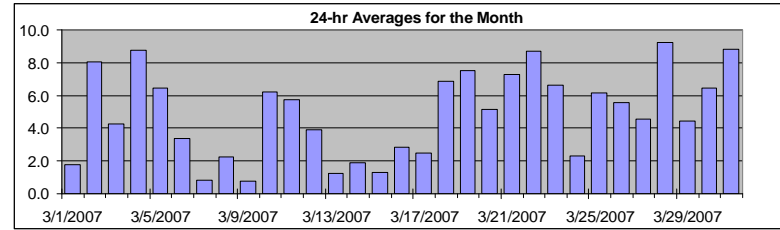
HOURLY AVERAGE TABLE

Wind Speed (WSv)

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

Summary

Maximum 1-hr Average:	25.5	km/hr	30-Mar	20:00 21:00
Maximum 24-hr Value:	9.2	km/hr	28-Mar	



Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageV
	20.0	15.4	9.7	6.3	3.6	1.2	0.3	1.5 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 Vector Average	Daily Max			
Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00		
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Mar-07	0	1	2	2	1	2	1	1	0	1	2	1	2	2	5	5	6	7	9	8	6	5	4	2		1.8	8.9	
2-Mar-07	2	1	2	1	1	3	2	1	2	1	3	5	14	16	15	13	12	14	14	18	19	16	15	11		8.0	19.4	
3-Mar-07	8	11	9	10	7	5	6	6	6	7	5	17	16	15	16	15	15	14	9	11	10	10	11	11		4.3	17.2	
4-Mar-07	10	9	11	9	7	7	6	7	5	4	5	9	9	13	15	12	11	11	11	9	7	7	7	7		8.8	15.0	
5-Mar-07	7	7	5	5	3	2	2	1	3	5	5	5	7	6	8	9	10	13	9	8	9	11	8	8		6.5	12.7	
6-Mar-07	6	6	4	4	5	4	5	4	3	4	4	5	9	10	10	6	6	7	8	11	13	13	12	11		3.3	13.4	
7-Mar-07	12	11	9	8	6	8	7	3	2	4	1	0	3	3	7	11	7	11	8	9	2	5	3	6		0.8	12.4	
8-Mar-07	4	6	5	2	2	3	6	8	3	4	4	4	13	2	3	2	2	2	1	2	2	3	4	1		2.3	12.7	
9-Mar-07	2	6	7	4	6	7	8	8	5	7	9	7	4	2	5	6	7	9	10	10	11	10	8	7		0.8	10.8	
10-Mar-07	5	8	1	3	1	1	1	3	4	4	3	10	14	14	12	13	15	14	13	13	11	9	8	10		6.2	14.5	
11-Mar-07	6	9	7	14	10	6	3	3	2	2	3	6	7	8	7	6	8	7	7	4	4	4	6	8		5.7	13.6	
12-Mar-07	5	2	5	10	16	16	5	8	6	6	6	2	4	6	6	14	9	5	2	4	4	4	4	5		3.9	16.3	
13-Mar-07	6	3	5	4	5	4	6	6	7	6	3	4	8	8	10	7	2	3	1	4	4	2	1	4		1.2	10.4	
14-Mar-07	2	2	2	2	2	1	1	2	2	0	1	5	5	8	9	6	5	3	4	1	1	2	3	3		1.9	9.3	
15-Mar-07	3	5	6	5	5	4	5	6	6	5	6	3	3	6	8	5	4	1	2	3	2	1	0	1		1.3	7.6	
16-Mar-07	3	2	2	3	4	3	3	3	2	1	2	4	4	6	7	8	5	8	9	8	5	4	6	4		2.8	8.8	
17-Mar-07	7	14	14	15	13	14	10	7	4	7	7	7	6	9	11	9	8	13	13	7	14	22	14	12		2.5	21.6	
18-Mar-07	9	6	4	5	4	4	7	9	7	7	9	8	6	6	8	7	11	9	8	7	5	6	6	6		6.9	10.5	
19-Mar-07	7	6	7	6	6	5	9	9	11	12	14	8	10	16	15	15	15	15	14	9	9	9	13	8		7.5	16.1	
20-Mar-07	6	9	11	2	3	3	3	3	1	1	8	4	6	10	10	15	17	19	20	13	16	12	4	3		5.2	20.4	
21-Mar-07	3	3	2	4	5	7	7	7	7	8	9	8	9	7	10	10	18	10	8	7	9	8	8	12		7.3	17.6	
22-Mar-07	14	10	7	11	6	4	4	13	18	23	24	23	23	18	12	11	13	12	7	2	1	2	3	3		8.7	23.6	
23-Mar-07	4	5	7	6	4	5	4	4	5	8	11	12	13	11	10	11	7	8	6	3	4	3	4	7		6.6	13.3	
24-Mar-07	4	4	4	5	3	7	4	5	6	7	6	6	7	5	3	4	4	12	2	4	4	5	9	10		2.3	11.7	
25-Mar-07	10	5	5	2	2	4	4	3	5	6	4	10	13	12	15	16	18	14	9	5	7	6	5	5		6.2	17.6	
26-Mar-07	6	6	5	5	4	2	3	2	7	6	7	9	7	7	8	9	9	6	6	3	1	4	4	4		5.5	8.9	
27-Mar-07	2	1	0	1	1	0	0	1	1	3	2	10	14	18	18	16	14	9	10	5	3	3	3	2		4.5	17.9	
28-Mar-07	3	3	3	3	3	2	2	3	4	8	8	14	13	14	15	16	14	12	12	12	16	15	16	13		9.2	16.0	
29-Mar-07	13	13	13	14	12	10	12	10	11	8	9	11	8	3	4	6	7	10	8	6	7	4	1	0		4.4	13.9	
30-Mar-07	3	3	2	4	2	2	1	1	0	1	4	5	5	5	6	7	7	10	16	24	26	19	11	4		6.5	25.5	
31-Mar-07	6	12	10	11	11	7	5	6	4	9	10	9	8	9	11	12	14	13	11	10	11	14	16	16		8.8	16.3	
1-hr Vector	1.3	1.6	2.1	1.4	1.3	1.2	1.9	1.7	1.9	2.0	1.8	2.4	2.9	1.9	2.7	3.2	3.3	3.1	3.4	2.2	2.2	1.9	1.2	1.2				
Hourly Max	13.5	13.7	13.9	14.5	15.5	16.3	11.8	12.9	17.7	22.8	23.6	22.8	23.2	17.8	17.9	15.8	17.6	18.6	20.4	24.3	25.5	21.6	15.7	16.3				

PASZA - Valleyview - Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	Average
	358.7	352.7	253.5	189.7	38.8	6.8	1.7	299 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-Mar-07	259	170	194	210	161	173	154	301	100	62	166	240	296	5	360	2	360	350	2	4	14	35	354	215	359	N
2-Mar-07	298	179	178	315	179	191	207	155	144	32	6	200	184	182	180	178	170	177	180	183	183	187	186	186	182	S
3-Mar-07	197	186	189	192	197	204	211	210	209	208	7	15	21	22	24	29	26	24	22	360	10	23	18	21	21	NNE
4-Mar-07	26	18	16	15	11	14	26	18	33	14	15	8	357	356	359	5	23	16	12	17	24	15	23	18	14	NNE
5-Mar-07	9	9	20	16	16	352	356	280	355	10	351	329	350	357	357	356	359	0	19	27	14	17	23	10	6	N
6-Mar-07	17	353	38	63	359	32	61	43	34	12	351	188	184	190	187	188	192	194	194	194	196	196	194	197	186	S
7-Mar-07	192	199	196	203	203	197	203	206	285	274	246	182	349	349	18	11	20	5	19	13	2	20	183	198	258	WSW
8-Mar-07	198	186	191	186	216	338	275	300	184	190	203	238	308	192	163	97	181	166	69	157	207	197	190	183	218	SW
9-Mar-07	200	192	196	208	195	189	196	193	208	207	206	205	201	351	24	6	16	24	42	50	41	45	23	43	105	ESE
10-Mar-07	28	349	154	267	308	168	119	186	171	157	175	355	8	14	21	13	25	11	18	24	26	30	6	2	16	NNE
11-Mar-07	25	26	25	354	348	6	65	107	94	69	7	355	352	353	8	344	16	14	357	28	21	40	25	25	13	NNE
12-Mar-07	30	71	3	25	340	338	329	293	280	299	319	318	251	254	259	309	273	279	79	160	223	223	195	157	309	NW
13-Mar-07	193	178	160	158	153	138	163	213	213	212	231	292	321	339	354	17	337	242	283	140	180	160	16	190	217	SW
14-Mar-07	220	225	239	221	355	176	353	9	2	313	11	7	1	356	354	3	23	9	340	263	245	215	220	218	342	NNW
15-Mar-07	219	209	202	208	204	205	215	205	202	203	208	214	3	40	11	10	5	306	19	172	339	249	155	345	226	SW
16-Mar-07	340	3	19	354	351	344	343	346	358	359	31	10	5	115	94	134	136	8	3	6	351	7	358	145	23	NNE
17-Mar-07	163	181	178	175	186	187	192	193	225	322	324	331	345	359	348	357	13	19	29	356	4	344	333	313	329	NNW
18-Mar-07	0	26	23	33	35	30	35	25	30	29	15	5	4	10	11	42	53	59	41	18	16	8	26	23	25	NNE
19-Mar-07	21	22	19	16	42	40	133	133	131	140	158	170	180	177	169	169	170	175	172	174	183	184	184	191	160	SSE
20-Mar-07	179	170	180	165	78	67	91	61	71	198	301	278	259	286	296	295	299	297	296	311	337	333	330	305	295	WNW
21-Mar-07	244	225	223	196	206	204	211	194	192	187	188	200	232	197	183	234	264	239	222	219	232	234	254	262	222	SW
22-Mar-07	258	247	234	258	240	158	174	285	289	285	287	292	289	295	323	354	1	353	338	321	226	169	234	200	288	WNW
23-Mar-07	211	203	194	209	216	201	191	199	187	194	191	180	185	183	184	177	187	184	196	214	217	253	255	254	197	SSW
24-Mar-07	231	205	222	242	251	265	227	197	207	207	205	225	188	164	184	160	175	180	34	39	15	21	13	336	216	SW
25-Mar-07	305	301	266	247	181	191	189	197	186	209	214	274	299	311	307	304	302	302	301	275	264	255	206	199	279	W
26-Mar-07	207	212	208	185	185	201	198	189	199	206	204	204	205	211	202	209	207	193	174	206	204	185	184	203	201	SSW
27-Mar-07	183	284	307	173	222	244	246	308	184	217	163	329	330	328	339	331	340	41	21	18	343	302	314	271	333	NNW
28-Mar-07	270	189	178	195	206	222	196	215	204	183	188	182	178	179	176	181	180	172	171	170	175	182	185	190	182	S
29-Mar-07	187	186	188	188	192	195	192	192	193	191	186	184	167	135	19	8	6	13	23	6	6	70	343	185	S	
30-Mar-07	3	336	7	351	41	358	203	190	81	337	360	330	346	20	18	3	337	325	314	319	318	297	310	356	329	NNW
31-Mar-07	306	308	300	303	303	297	341	331	347	358	1	27	39	24	20	18	15	32	29	21	17	1	8	5	358	N
Hourly Avg	251	220	202	227	242	222	191	225	209	229	248	279	298	321	351	348	347	354	3	358	338	331	322	290		

PASZA - Valleyview - Standard Deviation of Wind Direction Monthly Summary

Station: Valleyview
 Station Owner: PASZA

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	744 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%			
Percentile	99	95	75	50	25	5	1
	56.2	44.4	17.9	10.6	7.5	4.9	3.3

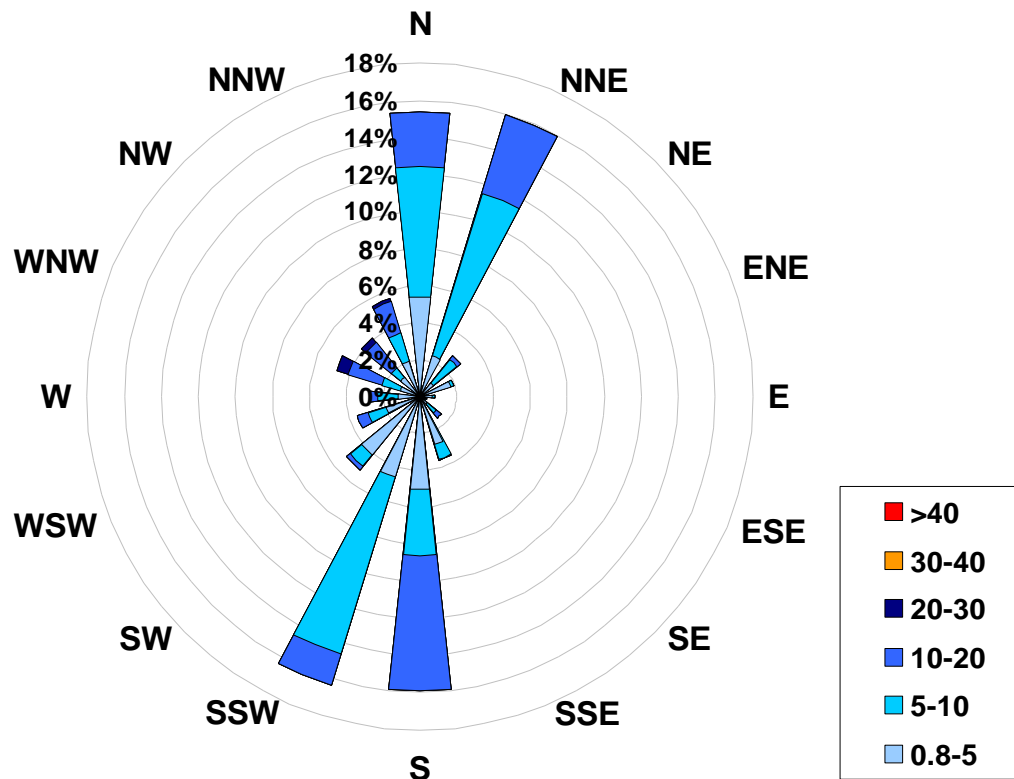
Status Flag Characters

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

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	23:00	0:00	Daily Maximum
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00	0:00		
1-Mar-07	52	38	17	18	43	33	46	50	57	50	34	47	52	21	6	8	8	3	6	4	6	6	14	27	56.6		
2-Mar-07	28	54	37	51	44	8	18	38	13	33	14	38	9	9	9	9	9	9	8	7	6	6	8	8	53.9		
3-Mar-07	17	7	8	6	11	8	8	11	5	5	39	5	8	11	10	10	11	6	7	5	7	8	7	10	38.8		
4-Mar-07	11	9	7	7	13	9	12	15	14	19	26	14	8	4	3	7	9	7	6	7	10	8	9	8	26.3		
5-Mar-07	6	6	13	14	16	19	38	39	18	16	10	11	8	9	8	5	6	6	8	11	8	7	8	8	39.3		
6-Mar-07	11	9	12	38	12	9	12	25	12	8	12	35	9	9	8	8	8	6	5	5	6	5	6	6	37.9		
7-Mar-07	5	5	5	6	6	6	7	31	43	26	33	76	29	21	8	9	13	9	20	20	41	15	19	6	76.4		
8-Mar-07	33	12	6	28	44	42	21	24	21	12	12	21	12	34	24	55	41	50	40	16	31	10	5	27	55.4		
9-Mar-07	52	4	5	16	7	6	4	5	5	4	5	6	18	48	17	7	11	8	11	8	9	9	11	11	52.4		
10-Mar-07	18	14	56	14	50	40	35	22	19	15	36	5	6	6	7	6	6	7	7	8	10	10	7	7	55.7		
11-Mar-07	14	11	13	5	7	8	22	27	24	30	14	5	4	7	17	29	13	20	15	17	13	12	14	8	30.4		
12-Mar-07	13	40	42	17	18	9	38	14	22	14	12	32	23	17	20	9	10	26	30	20	12	5	8	7	41.8		
13-Mar-07	6	9	13	12	10	9	14	6	2	3	21	33	13	13	11	17	40	26	46	9	12	30	42	6	45.7		
14-Mar-07	8	15	7	10	31	21	69	47	36	49	44	10	12	6	3	8	13	16	24	32	22	8	7	6	69.2		
15-Mar-07	6	9	5	4	5	7	3	3	5	5	53	50	14	14	18	33	33	42	23	18	38	76	44	7	76.0		
16-Mar-07	19	18	18	9	5	10	7	16	14	57	11	15	13	22	17	12	15	33	5	4	5	10	9	25	56.6		
17-Mar-07	8	9	7	8	7	8	6	7	23	9	14	13	15	9	9	10	11	8	8	10	6	5	8	8	22.9		
18-Mar-07	12	10	9	11	13	10	11	8	10	11	10	10	14	19	15	28	8	12	9	7	6	13	8	12	27.6		
19-Mar-07	8	8	6	11	7	8	11	9	7	10	10	16	11	10	12	13	11	11	10	12	13	12	10	11	15.6		
20-Mar-07	15	8	9	40	20	16	22	29	43	53	16	21	19	10	13	9	8	7	6	6	6	6	21	16	52.8		
21-Mar-07	31	14	16	18	5	3	6	11	12	5	6	8	17	15	8	14	14	15	12	12	9	10	8	5	30.8		
22-Mar-07	5	8	8	6	15	34	24	10	9	8	12	6	8	9	12	9	4	4	6	43	35	23	17	13	42.7		
23-Mar-07	22	11	3	3	6	6	16	12	9	10	7	7	7	7	7	8	11	7	14	18	10	15	17	11	22.2		
24-Mar-07	10	6	11	16	22	6	7	10	6	8	13	20	18	24	32	18	41	7	31	10	16	30	8	9	41.2		
25-Mar-07	6	17	13	24	44	11	9	23	13	12	19	17	11	11	10	8	7	7	7	9	5	11	5	5	43.9		
26-Mar-07	3	2	4	9	8	16	11	30	6	8	9	10	13	20	11	8	7	12	10	14	27	11	8	7	30.5		
27-Mar-07	27	53	46	35	28	47	59	47	35	18	38	15	9	7	6	7	11	11	7	9	14	10	28	18	59.0		
28-Mar-07	26	21	17	10	18	10	11	8	9	8	7	10	12	12	11	9	8	8	7	7	7	7	6	6	25.9		
29-Mar-07	5	5	6	5	5	6	6	6	12	8	7	12	9	59	26	16	10	11	7	10	14	18	49	44	58.6		
30-Mar-07	16	21	24	13	46	30	45	26	66	45	8	10	9	8	12	13	12	10	6	5	6	11	14	17	66.2		
31-Mar-07	47	8	8	8	6	8	10	6	9	7	10	18	19	17	12	11	9	10	8	5	5	5	5	6	46.5		
Hourly Max	52	54	56	51	50	47	69	50	66	57	44	76	52	59	32	55	41	50	46	43	41	38	76	44			

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



Calms: 0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	266
5	to	10	294
10	to	20	176
20	to	30	8
30	to	40	0
	>	40	0
Total Non-Zero Values			744

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for March 2007

PASZA					
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
Duplicates					
23a	Bear Lake	0.7	46.9	2.0	
23b	Bear Lake	0.7	43.0	2.0	
27a	Grande Prairie I	0.6	38.9	12.2	
27b	Grande Prairie I	0.6	38.5	11.5	
28a	Clairmont Lake	0.7	51.2	1.0	
28b	Clairmont Lake	0.8	51.3	1.7	
32a	Gold Creek	0.4	34.3	4.0	
32b	Gold Creek	0.3	34.3	4.0	
49a	Grande Prairie HP	0.6	40.2	12.2	
49b	Grande Prairie HP	0.6	37.7	11.6	
1	Silver Valley	0.7	49.1	0.8	08-27-081-11 W6M
2	Bay Tree	0.5	37.0	0.9	13-16-078-13 W6M
3	Forth Creek	0.6	46.7	0.5	04-13-082-07 W6M
4	Gordondale	0.6	50.6	1.1	04-34-078-10 W6M
5	Boone Creek	0.6	53.1	1.3	01-23-076-11 W6M
7	Steeprock Creek	0.5	42.6	0.8	09-35-072-13 W6M
9	Spirit River	0.5	40.4	1.0	08-12-079-07 W6M
10	Woking	0.7	42.1	0.8	01-13-076-07 W6M
11	Webber Creek	0.6	47.7	1.8	09-36-074-09 W6M
12	Hythe	0.6	49.0	1.9	14-36-072-11 W6M
14	Sylvester	0.3	42.8	1.2	08-06-069-12 W6M
16	Beaverlodge	0.6	50.8	3.1	15-36-071-10 W6M
17	Poplar	0.7	46.3	2.1	13-06-073-08 W6M
18	Saddle Hills	0.6	45.2	1.2	04-25-074-07 W6M
19	Wanham	0.8	51.8	0.6	16-22-077-03 W6M
20	Shaftesbury	0.5	44.6	0.6	04-03-082-23 W5M

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

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
21	Eaglesham	0.6	49.7	0.5	16-21-079-25 W5M
23	Bear Lake	0.7	45.0	2.0	15-31-072-06 W6M
24	Wembley	0.6	51.6	2.3	12-31-070-08 W6M
25	Pinto Creek	0.4	47.0	1.1	04-24-069-11 W6M
26	Flyingshot	0.5	44.8	4.3	15-36-070-07 W6M
27	Grande Prairie I	0.6	38.7	11.9	08-15-071-06 W6M
28	Clairmont Lake	0.8	51.3	1.3	09-06-073-04 W6M
29	Smoky Heights	0.7	51.0	1.2	04-06-075-02 W6M
30	Fitzsimmons	0.4	47.0	1.3	15-36-072-03 W6M
32	Gold Creek	0.4	34.3	4.0	06-33-067-05 W6M
33	Wapiti	0.4	43.8	1.2	02-25-071-03 W6M
34	Puskwaskau	0.4	42.5	0.5	15-35-074-25 W5M
35	Jean Cote	0.6	55.7	0.7	12-35-079-21 W5M
36	Guy	0.6	50.5	0.7	03-04-076-22 W5M
37	Crooked Creek	0.5	50.5	1.2	16-01-071-26 W5M
38	Karr Creek	0.5	45.9	1.6	10-16-065-02 W6M
39	Clouston Creek	0.5	44.7	0.9	12-01-073-22 W5M
40	McLennan	0.6	54.9	0.8	03-29-077-19 W5M
41	Valleyview	0.7	45.0	1.4	09-30-069-22 W5M
42	Sunset House	0.5	53.3	0.6	05-32-070-19 W5M
43	High Prairie	0.4	47.8	1.0	16-13-074-17 W5M
44	Peavine	0.3	50.1	0.4	03-05-079-15 W5M
45	Gift Lake	0.5	40.5	1.2	10-07-079-12 W5M
46	Little Smoky	0.8	44.4	4.4	12-01-065-21 W5M
47	Kinuso	0.4	41.6	1.3	12-10-073-10 W5M
48	Deer Mountain	0.5	43.7	0.8	15-22-068-09 W5M
49	Grande Prairie HP	0.6	38.9	11.9	17-26-071-06 W6M

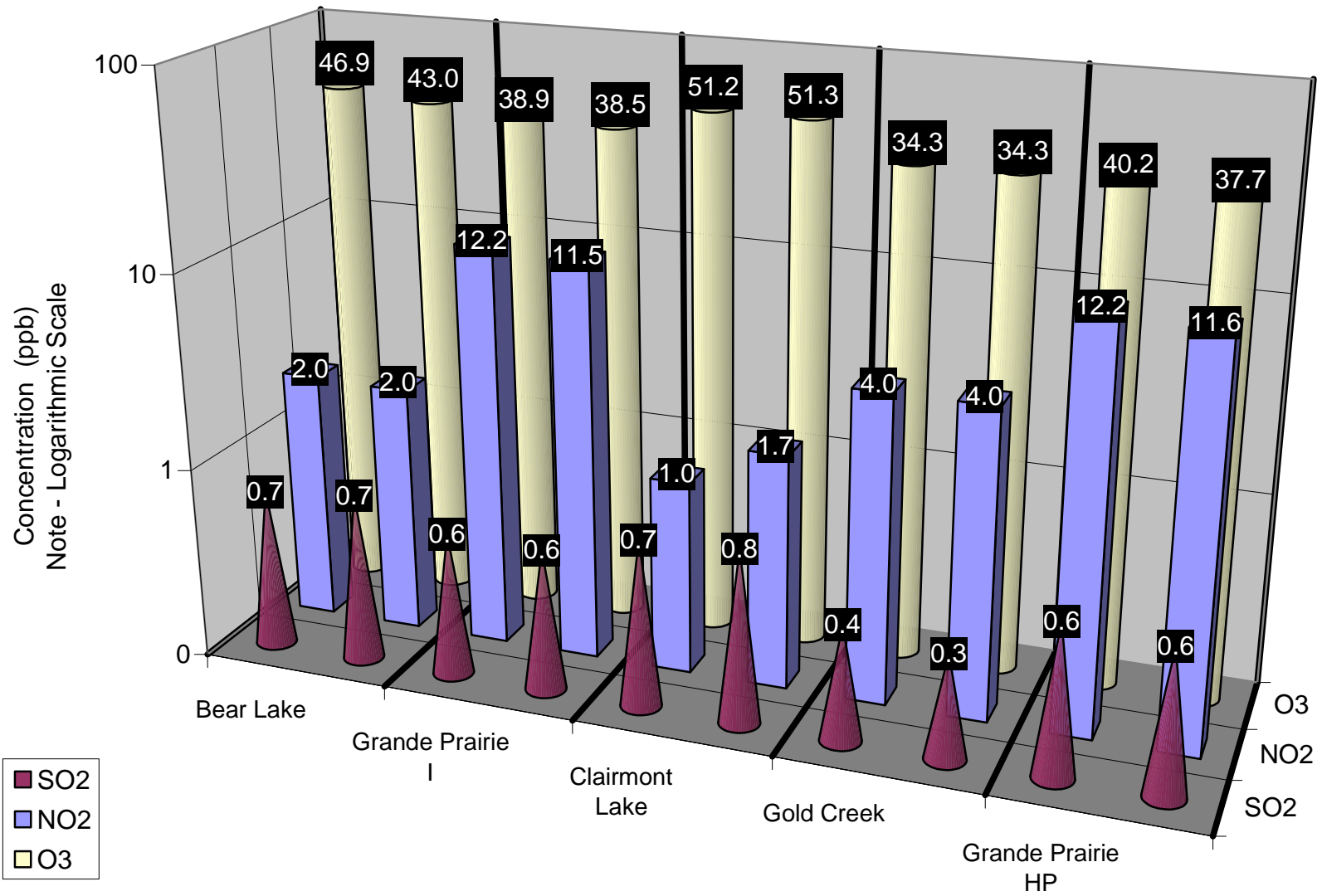


Figure 60. Duplicate Summary Chart

Table 2. Passive Summary Results for March 2007

Stats	Sulphur Dioxide	Ozone	Nitrogen Dioxide
	SO ₂	O ₃	NO ₂
	ppb	ppb	ppb
Passive Summary for March 2007 (PASZA Zone)			
Mean	0.6	46.4	1.9
Standard Deviation	0.1	4.9	2.4
Minimum	0.3	34.3	0.4
	Peavine (#44)	Gold Creek (#32)	Peavine (#44)
Maximum	0.8	55.7	11.9
	Little Smoky (#46)	Jean Cote (#35)	Grande Prairie HP (#49)
Comparison between Continuous and Passive monitoring at Beaverlodge (passive #16 Beaverlodge)			
	SO ₂	O ₃	NO ₂
AENV Beaverlodge station	0.9	36.1	5.8
PASZA Beaverlodge passive	0.6	50.8	3.1
Comparison between Continuous and Passive monitoring at Henry Pirker (passive #49 Grande Prairie HP)			
	SO ₂	O ₃	NO ₂
PASZA Henry Pirker station	0.8	22.2	17.8
PASZA Grande Prairie passive	0.6	38.9	11.9

PASZA Passive SO₂ Stations - March 2007
Average Concentrations in ppb

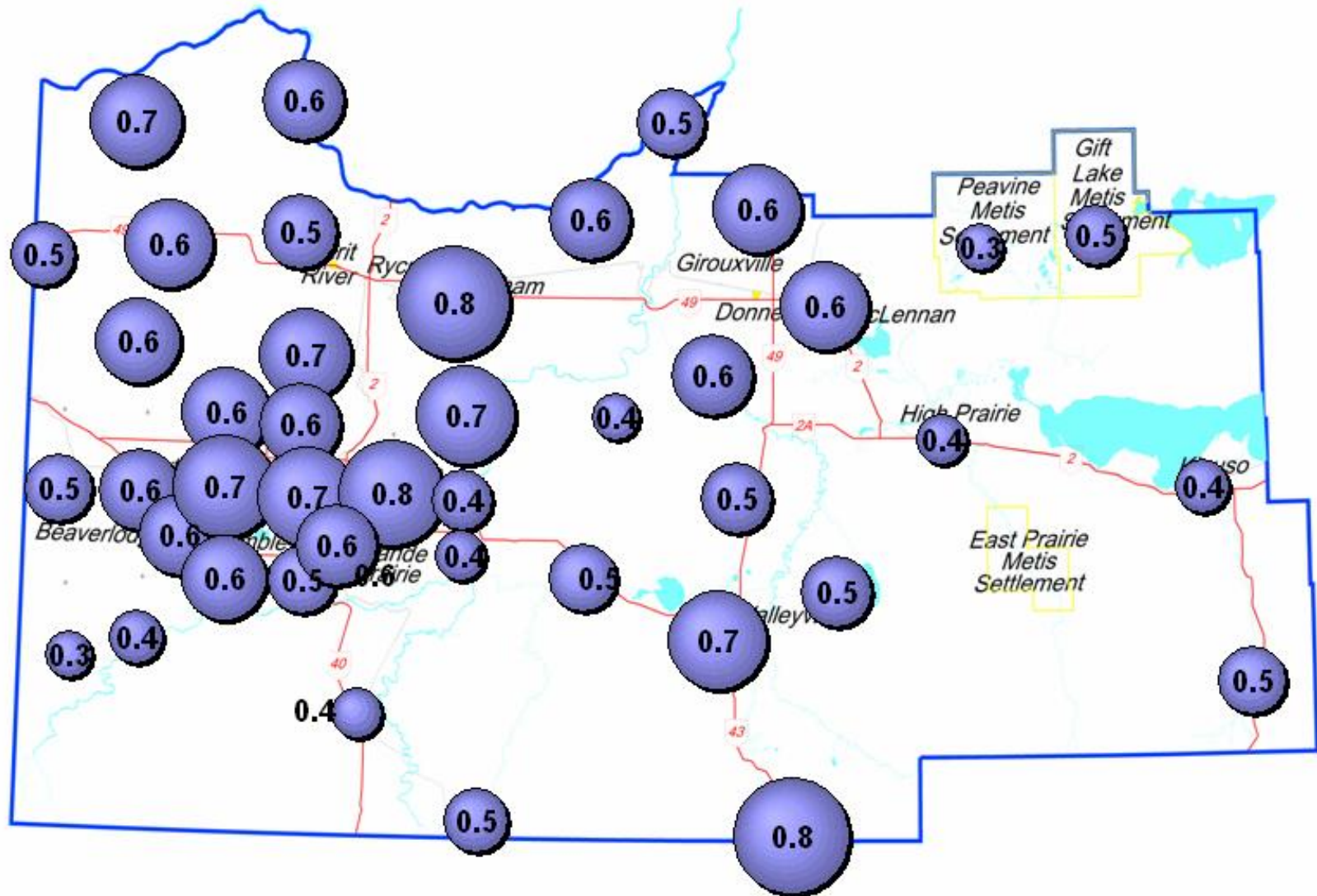


Figure 61. SO₂ Bubble Chart

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

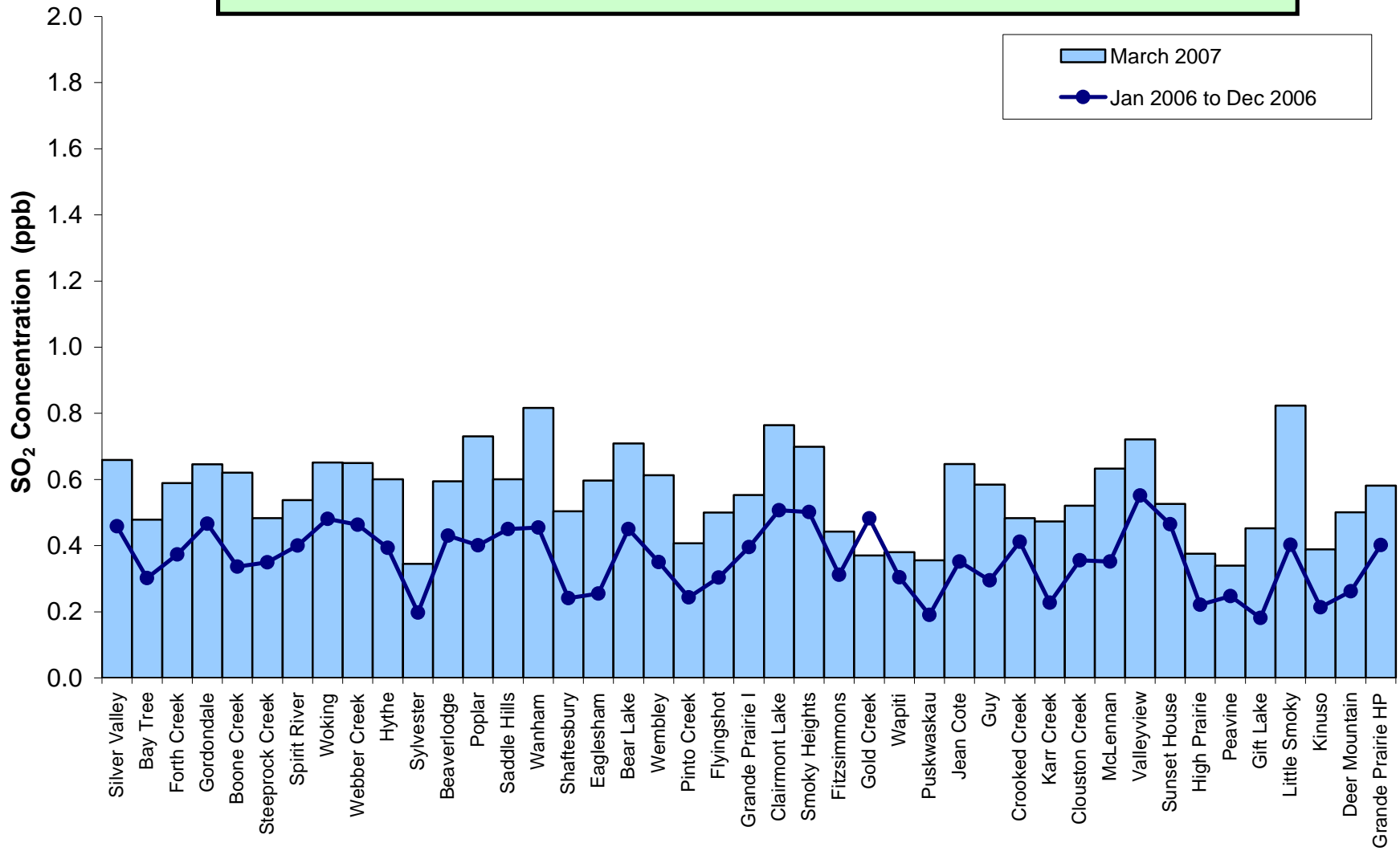


Figure 62. SO₂ Summary Chart

PASZA Passive O₃ Stations - March 2007 Average Concentrations in ppb

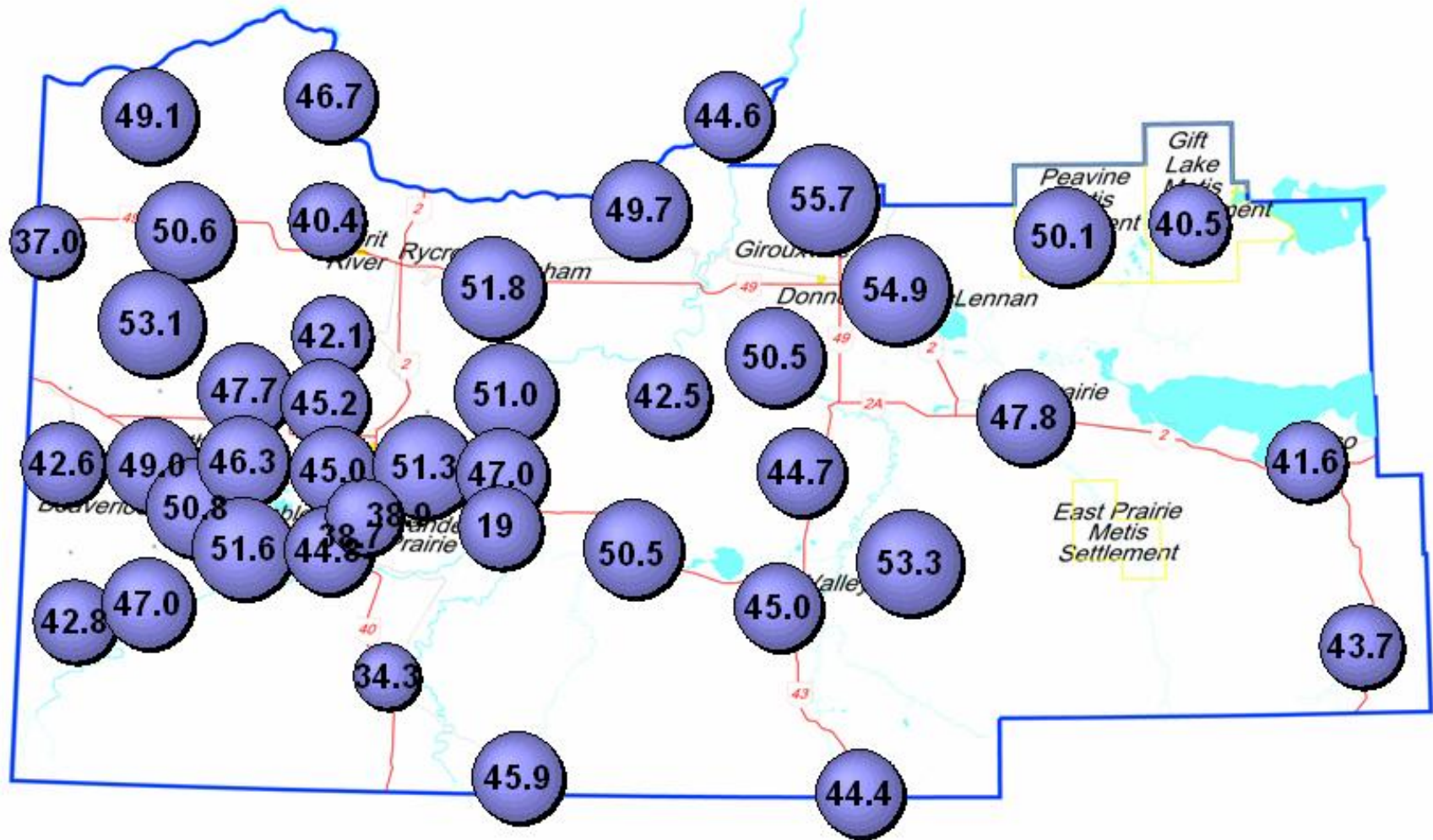


Figure 63. O₃ Bubble Chart

Alberta Ambient Air Quality Objective - No Annual O₃ Objective

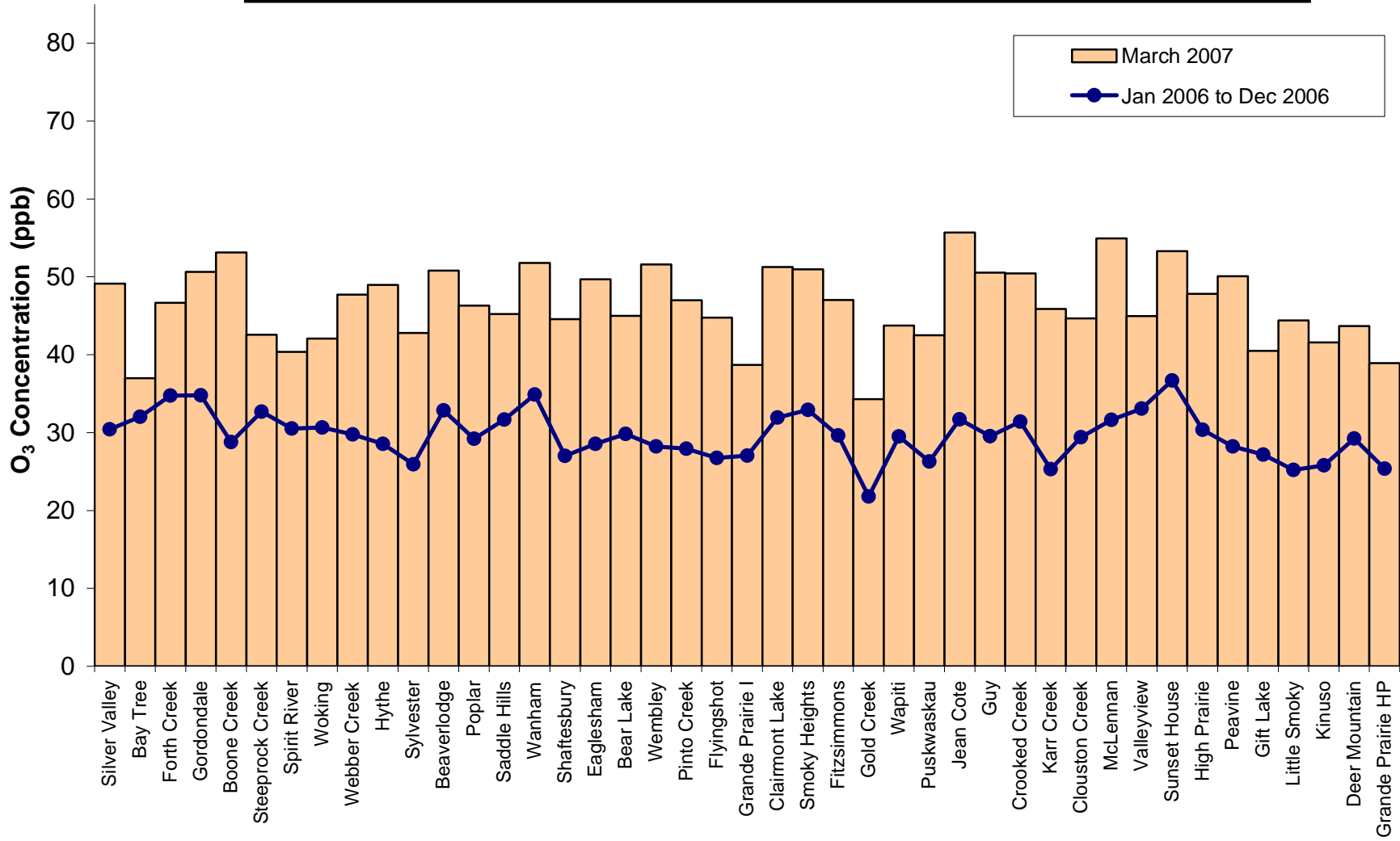


Figure 64. O₃ Summary Chart

PASZA Passive NO₂ Stations - March 2007 Average Concentrations in ppb

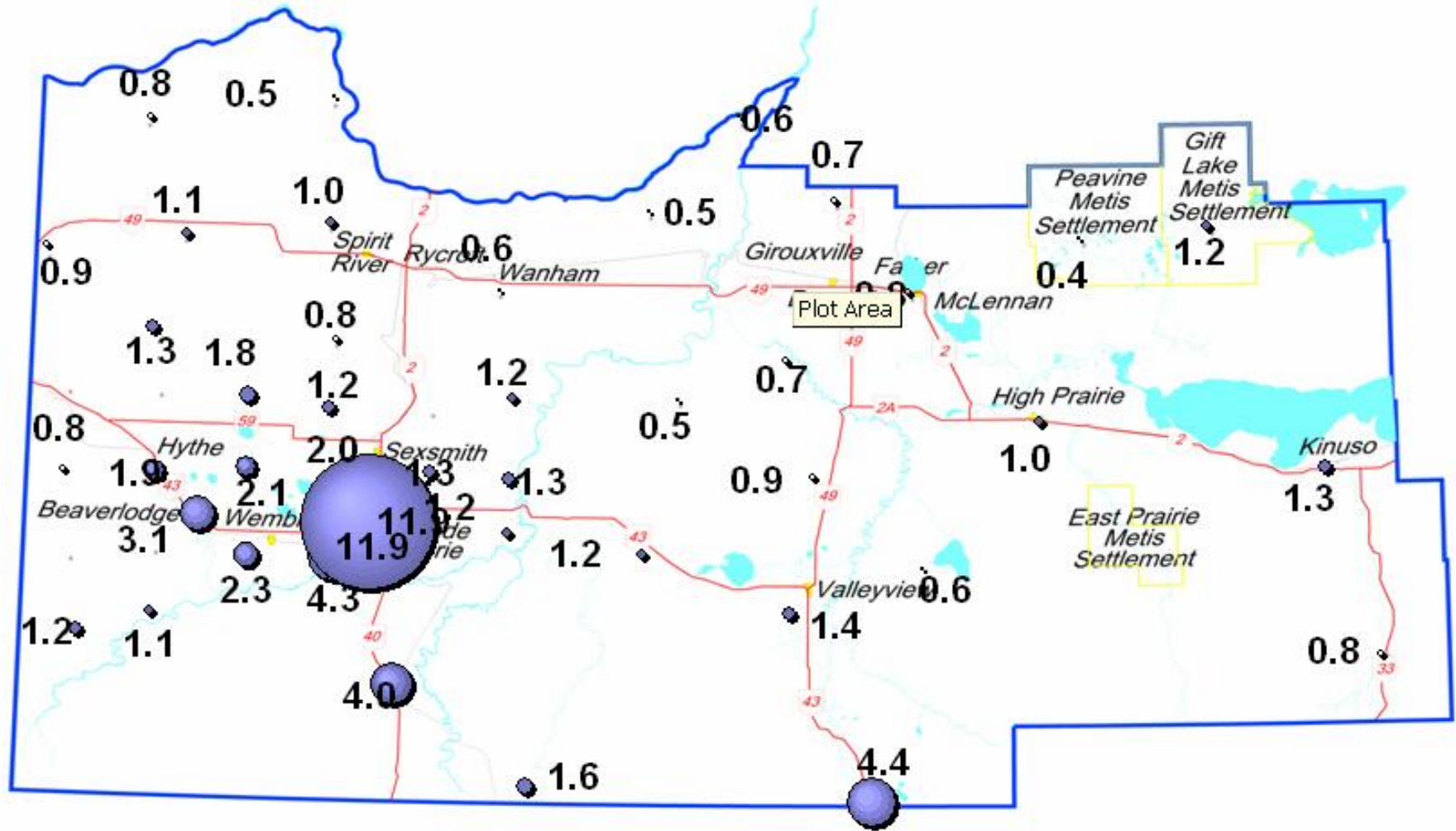


Figure 65. NO₂ Bubble Chart

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

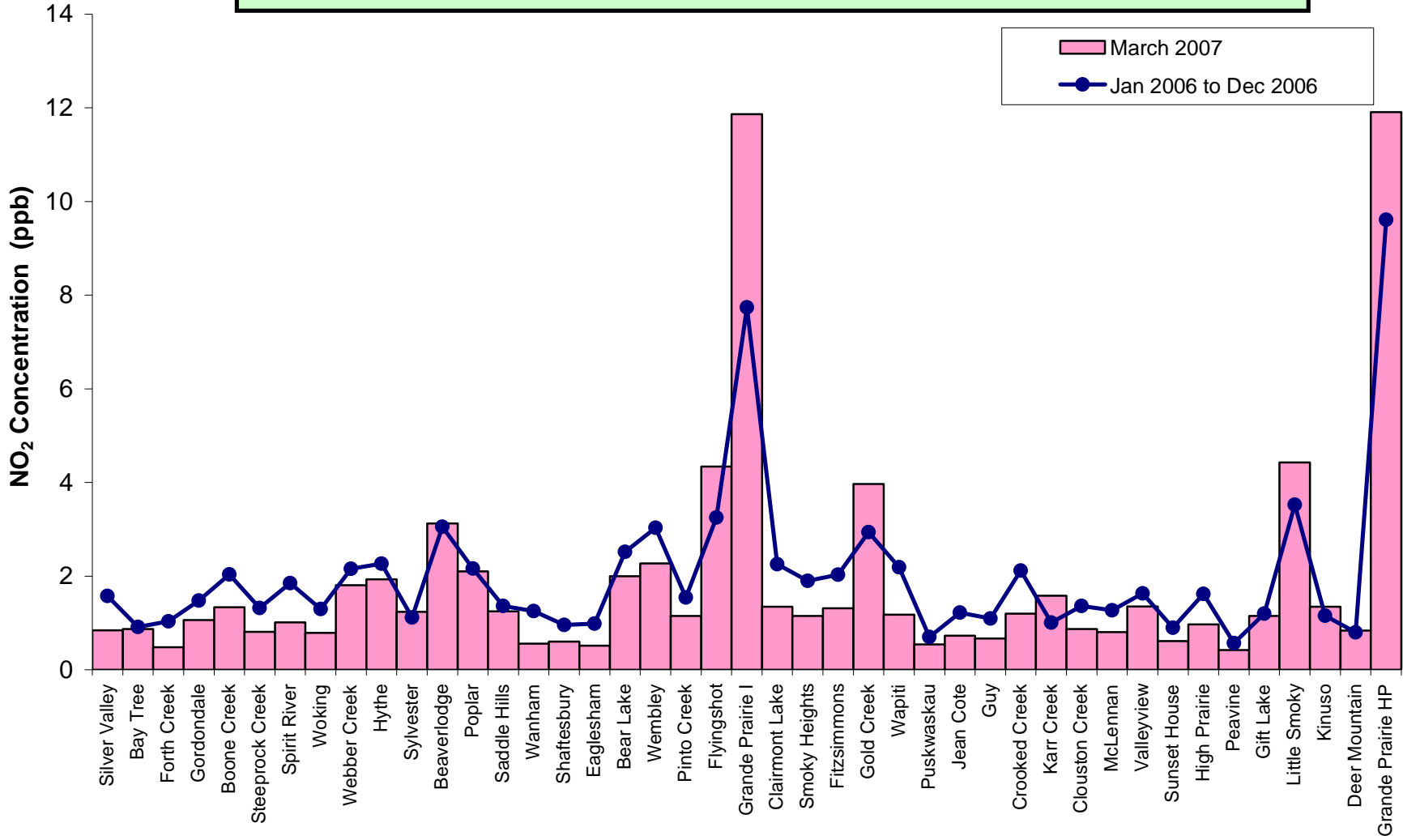


Figure 66. NO₂ Summary Chart

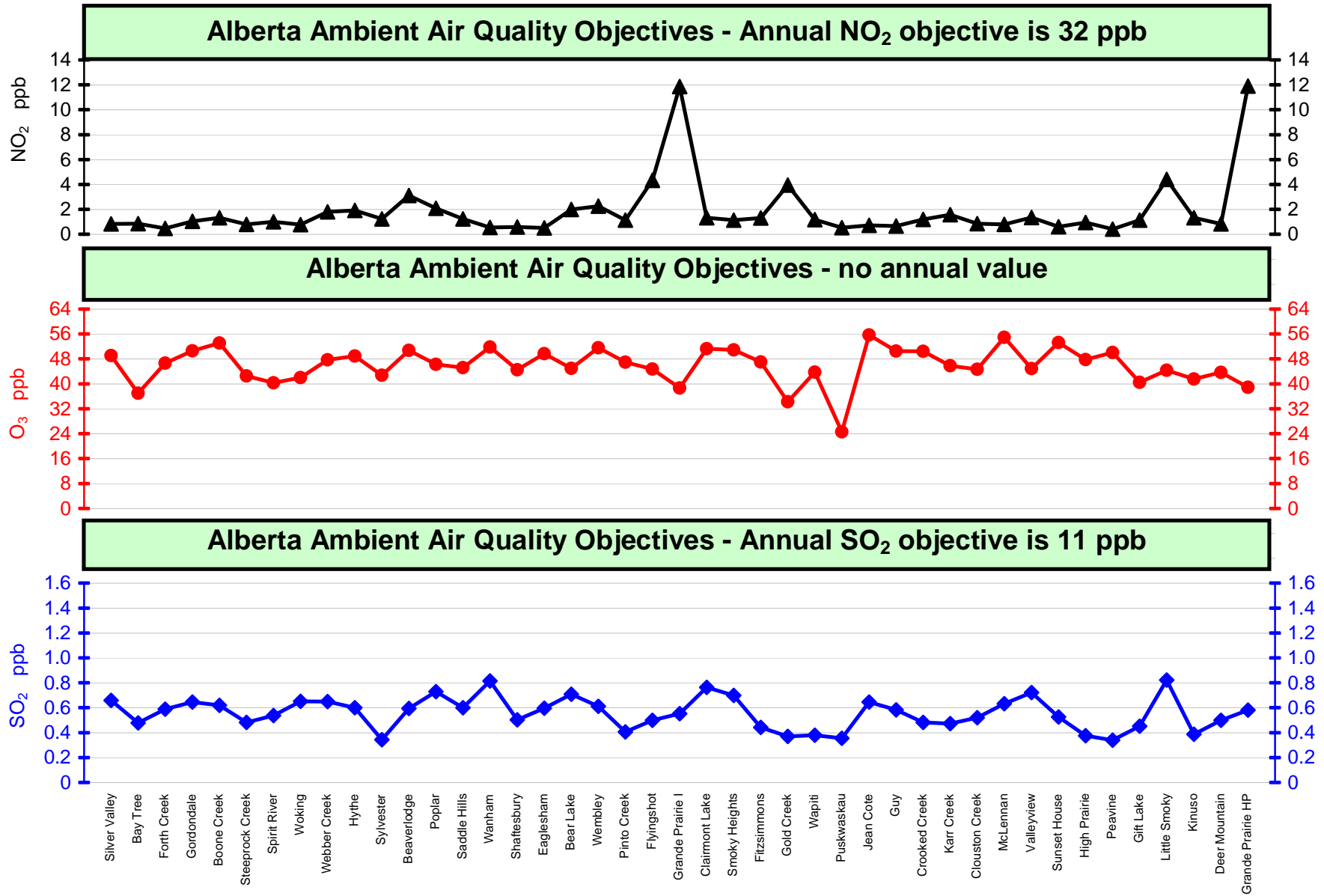


Figure 67. Overview Summary

March 2007 Calibration Reports

PASZA - Henry Pirker Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, CO, THC, TRS

PASZA – Evergreen Park Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PASZA – Smoky Heights Station with the following calibrations:

SO₂, TRS, PM_{2.5}

PASZA – Beaverlodge Station with the following calibrations:

SO₂, NO, NO₂, NO_x, O₃, PM_{2.5}

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

SO₂, TRS, O₃

PASZA – Valleyview Station with the following calibrations:

SO₂, H₂S

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

Calibration Date	March 19, 2007	Previous Calibration	February 8, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	14:49	End Time (MST)	18:00
Barometric Pressure	28.1 inches Hg	Station Temperature	20.0 Deg C
Calibrator	EnviroNics 6103	Serial Number	1631
Perm-tube Conc	50 ppm	Perm-tube Date	8/8/2005
Correction factor	1.000000	Perm-tube Cert #	JJ7842
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.975222	Calculated slope	1.001463
Calculated intercept	1.338337	Calculated intercept	-0.781734
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		209	
UV Lamp voltage	953	V	955	V
Vacuum	22	" Hg	22.8	" Hg
Sample Flow	425	ccm	430	ccm

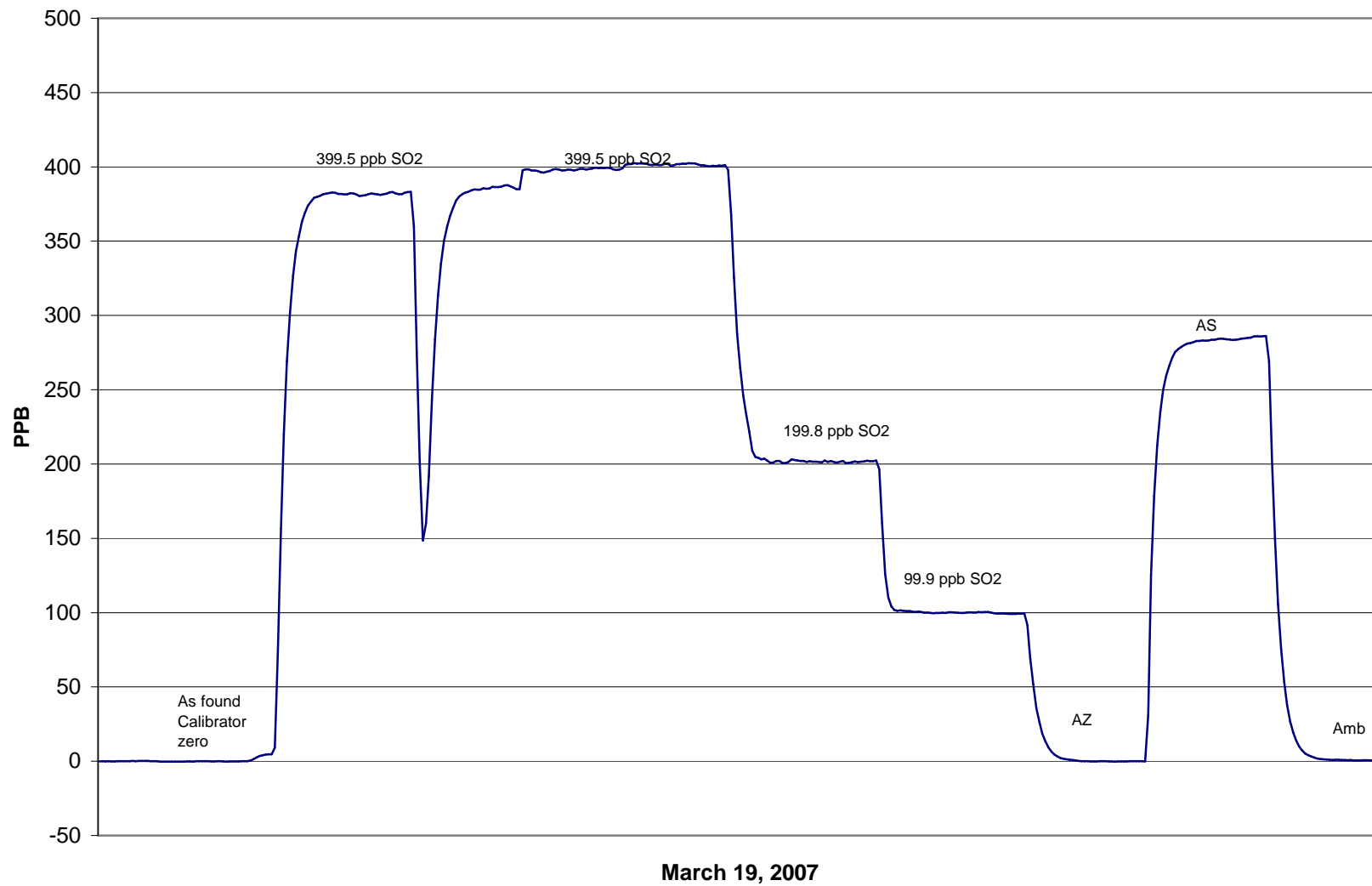
Calibration Data

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	6000.0	0.0	0.0	N/A
5994	48.2	399.5	399.0	1.0013
5994	24.1	199.8	201.6	0.9908
5994	12.1	99.9	100.6	0.9925
zero	5994.0	0.0	0.0	As Found Zero
5994	48.2	399.5	387.0	As Found Span
Average Correction Factor				0.9949

Calculated value of As Found Response: 378.735 ppm Percent Change of As Found: 5.2%

	before calibration		after calibration	
Auto zero	0.1	ppm	-0.8	ppm
Auto span	277.8	ppm	285.0	ppm

Notes: Adjusted span.Calibration Performed By: Roy Wey

SO2 Calibration

Calibration ReportParameter **NOx-NO-NO₂**Air Monitoring Network **PASZA****Station Information**

Calibration Date	<u>March 19, 2007</u>	Previous Calibration	<u>February 8, 2007</u>
Station Number	<u>1</u>	Station Location	<u>Muskoseepi Park - Henry Pirker</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 6100</u>	Serial Number	<u>3016</u>
NO Cal Gas Conc	<u>102.7</u> ppm	Cal Gas Expiry Date	<u>2-Jan-07</u>
NOx Cal Gas Conc	<u>102.7</u> ppm	Cal Gas Serial #	<u>FF-5013</u>

DACS Information

DACS make	<u>FOCUS AP1000</u>	DACS serial No.	<u>45269</u>
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Parameter		NO ₂	NO _x	NO
Before	Data Slope	1.0010	1.0014	1.0026
	Data Offset	-0.6241	-2.3790	-1.9325
After	Data Slope	0.9931	0.9994	0.9947
	Data Offset	0.8670	0.1057	0.5497
Channel #		8	6	7
Voltage Range		0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model	<u>Teco 42C</u>	Analyzer serial #	<u>508011073</u>
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Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	8.9	ppb	9.6	mV
NO _x background	9.0	ppb	9.6	mV
NO coefficient	0.816		0.883	
NO _x coefficient	0.995		0.965	
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 zero, and span.

Calibration Report

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



Station Information

Calibration Date: **March 19, 2007** Station Location: **Muskosepi Park - Henry Pirker**

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	
zero	4992	0.00	0.0	0.0	0.0	0.1	0.0	0.1	N/A	N/A	
1	4994	19.43	398.0	398.0	0.0	398.0	399.7	-0.2	1.0000	0.9958	
2	4994	9.71	199.2	199.2	0.0	199.8	199.8	0.4	0.9969	0.9971	
3	4994	4.85	99.6	99.6	0.0	99.0	98.9	0.5	1.0069	1.0080	
AFZ	4992	0.00	0.0	0.0	0.0	-0.7	-0.8	0.1	0.0000	0.0000	
AFS	4994	19.43	398.0	398.0	0.0	387.5	373.5	14.9	1.0272	1.0656	
									Average Correction Factor	1.0013	1.0003

As Found Concentrations: **NO_x= 385.8** **NO= 372.4** As Found Percent Change **NO_x= -3.1%** **NO= -6.4%**

GPT Calibration Data

Dilution Flow 4994 ccm Source Gas Flow 19.43 ccm

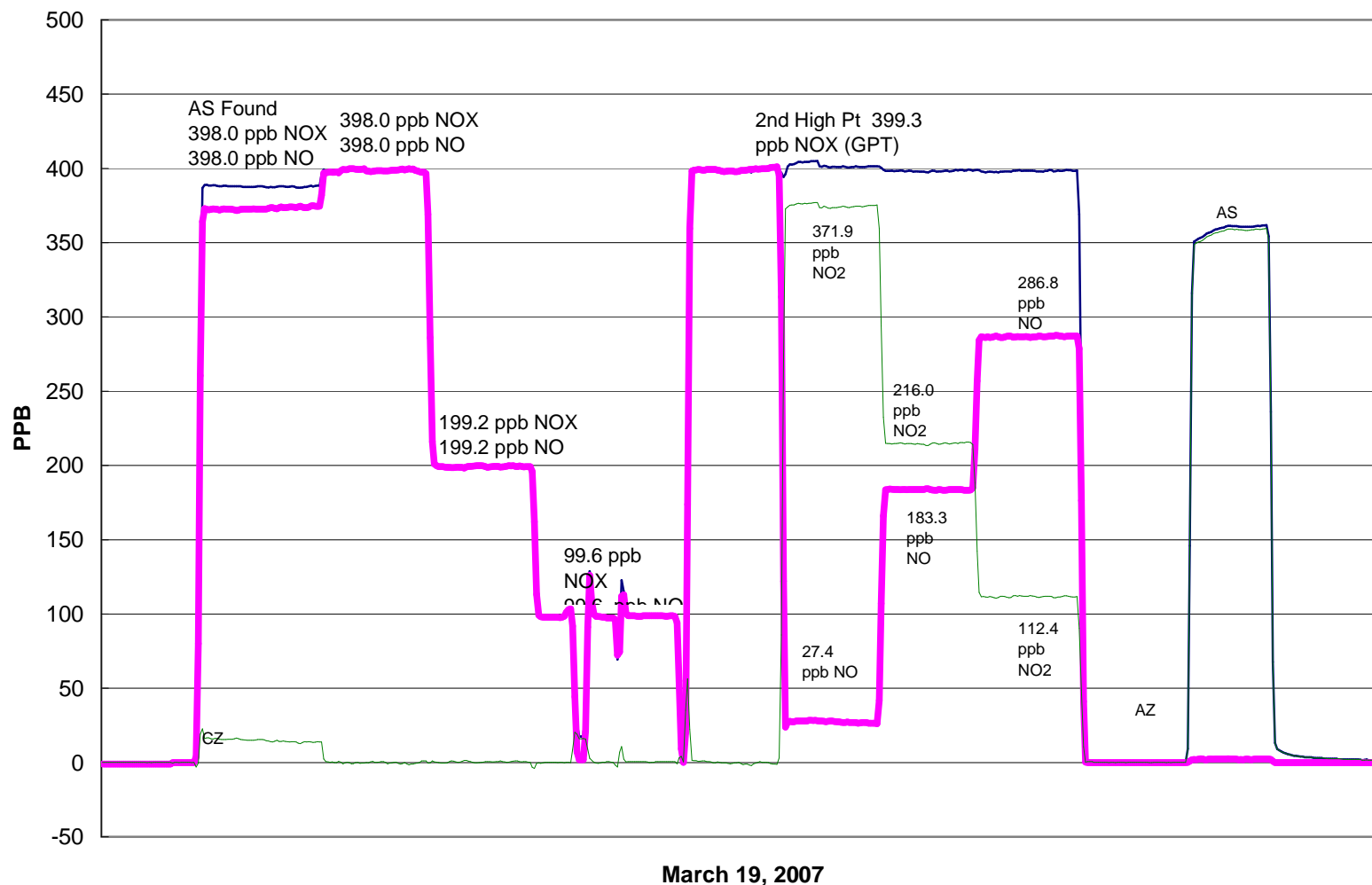
O ₃ Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.1	0.1	0.0	N/A	N/A	N/A	N/A	
NO point	399.3	396.5	2.8	399.0	398.1	0.4	1.0007	0.9961	N/A	N/A	
350	399.3	27.4	371.9	400.9	27.0	374.6	0.9960	1.0151	0.9929	100.7%	
200	399.3	183.3	216.0	398.6	183.7	215.3	1.0016	0.9977	1.0033	99.7%	
100	399.3	286.8	112.4	398.8	287.8	111.8	1.0013	0.9967	1.0062	99.4%	
							Average Correction Factor	0.9996	1.0032	1.0008	99.9%

AIC Data

Parameter	Previous calibration				Current calibration			
	NO _x	NO ₂	NO		NO _x	NO ₂	NO	
Auto zero	0.8	0.9	1.0	ppb	0.8	1.0	1.1	ppb
Auto span	348.0	344.6	2.5	ppb	360.6	358.2	2.5	ppb

Calibration Performed By: Roy Wey

NOx Calibration



Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

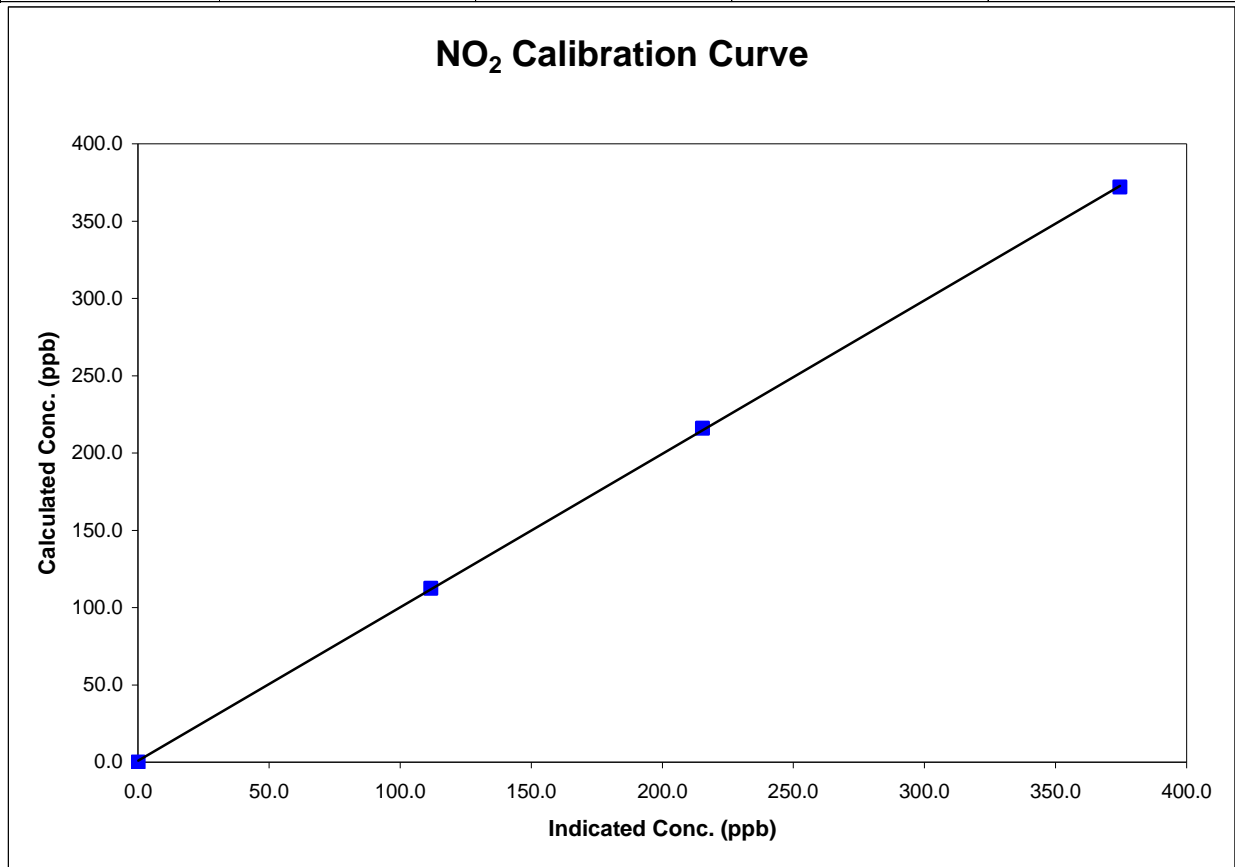


Station Information

Calibration Date	March 19, 2007	Previous Calibration	February 8, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
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	0.999946
371.9	374.6	0.9929		
216.0	215.3	1.0033	Slope	0.993066
112.4	111.8	1.0062		
			Intercept	0.867041



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA

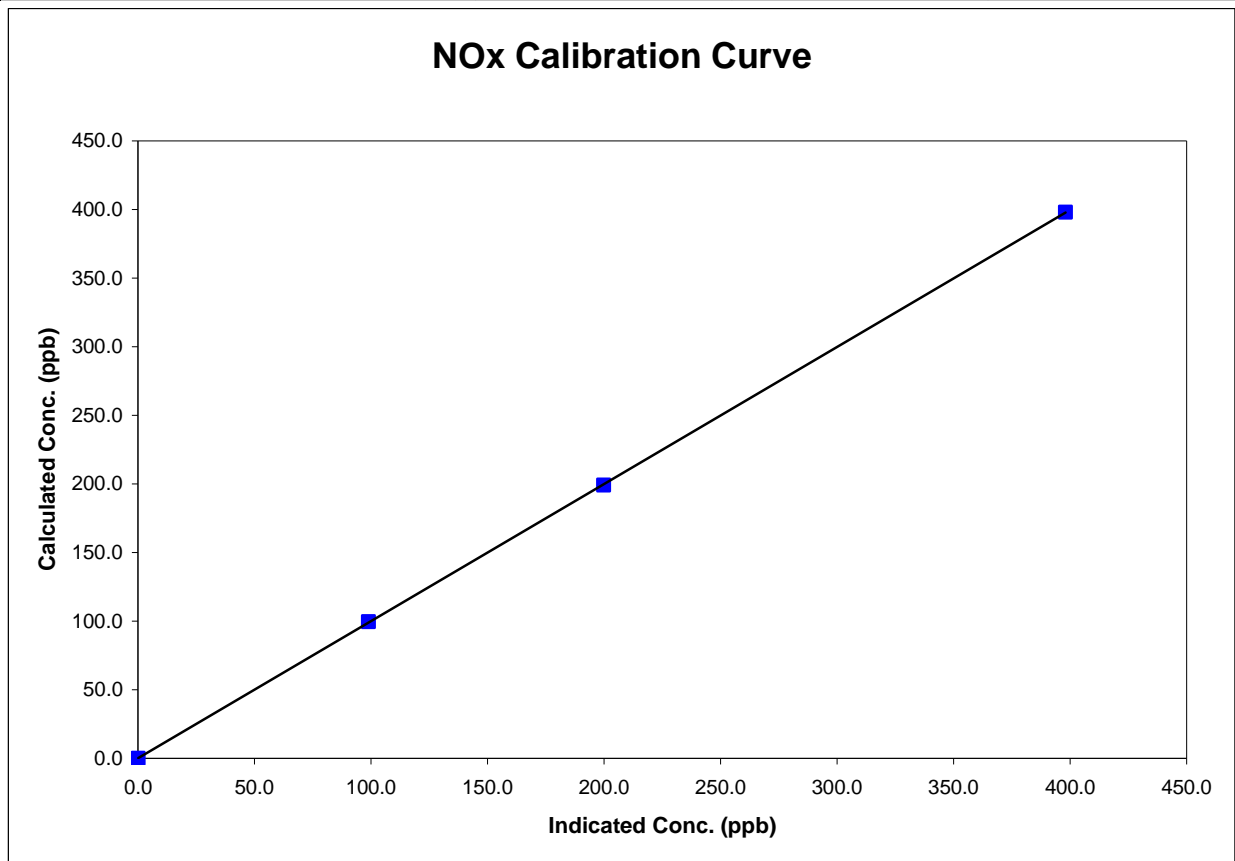


Station Information

Calibration Date	March 19, 2007	Previous Calibration	February 8, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
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	0.999990
398.0	398.0	1.0000		
199.2	199.8	0.9969	Slope	0.999375
99.6	99.0	1.0069		
			Intercept	0.105726



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA

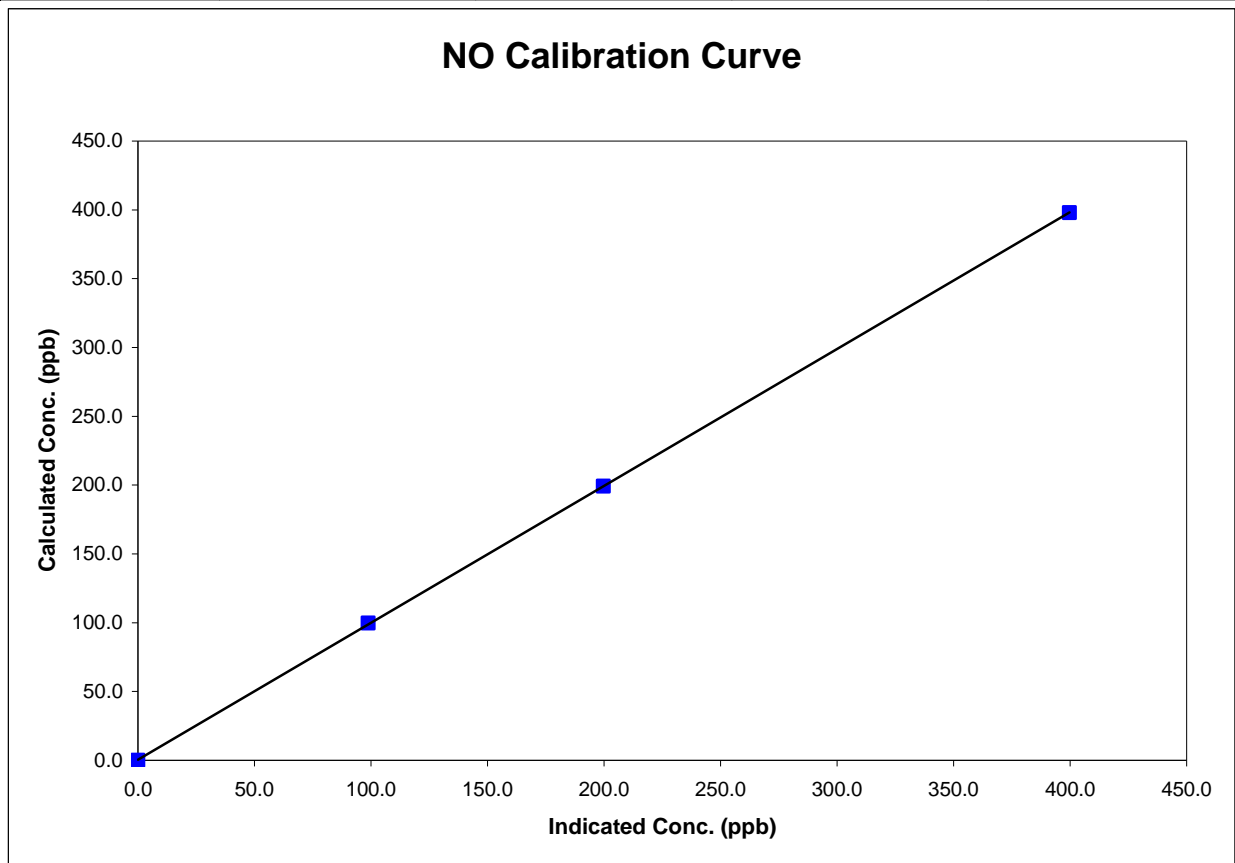


Station Information

Calibration Date	March 19, 2007	Previous Calibration	February 8, 2007
Station Number	1	Station Location	Muskosepi Park - Henry Pirker
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		
398.0	399.7	0.9958	Correlation Coefficient	0.999990
199.2	199.8	0.9971		
99.6	98.9	1.0080	Slope	0.994743
			Intercept	0.549672



Calibration Report



Parameter O3
 Air Monitoring Network PASZA

Station Information

Calibration Date	<u>March 19, 2007</u>	Previous Calibration	<u>February 8, 2007</u>
Station Number	<u>1</u>	Station Location	<u>Muskoseepi Park - Henry Pirker</u>
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	<u>10:00</u>	End Time (MST)	<u>16:29</u>
Barometric Pressure	<u>0.929 atm</u>	Station Temperature	<u>20.0 Deg C</u>
Calibrator	<u>Enviroics 6103</u>	Serial Number	<u>1631</u>
Cal Gas Concentration	<u>NA</u>	Cal Gas Expiry Date	<u>NA</u>
DACS make	<u>Focus AP1000</u>	DACS serial No.	<u>45269</u>
DACS voltage range	<u>0 - 1 volt</u>	DACS channel #	<u>5</u>
	<u>Before</u>		<u>After</u>
Calculated slope	<u>1.001311</u>	Calculated slope	<u>1.007499</u>
Calculated intercept	<u>-0.021987</u>	Calculated intercept	<u>1.283289</u>
Analyzer make	<u>API Model 400</u>	Analyzer serial #	<u>383</u>

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
offset	-0.9	ppb	-0.9	ppb
slope	1.075		1.075	
Lamp measure	3543	mV	3567	mV
Lamp Reference	3543	mV	3570	mV
Pressure	26.9	inches Hg	28.4	inches Hg
Sample Flow	661	ccm	694	ccm
ANA Lamp temp	52	Deg C	52	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.8	N/A
4992	0.00	371.9	370.7	1.0032
4992	0.00	216.0	207.7	1.0398
4992	0.00	112.4	110.8	1.0147
4992	0.00	0.0	0.8	As found zero
4992	0.00	371.9	370.9	As found span
Average Correction Factor				1.0192

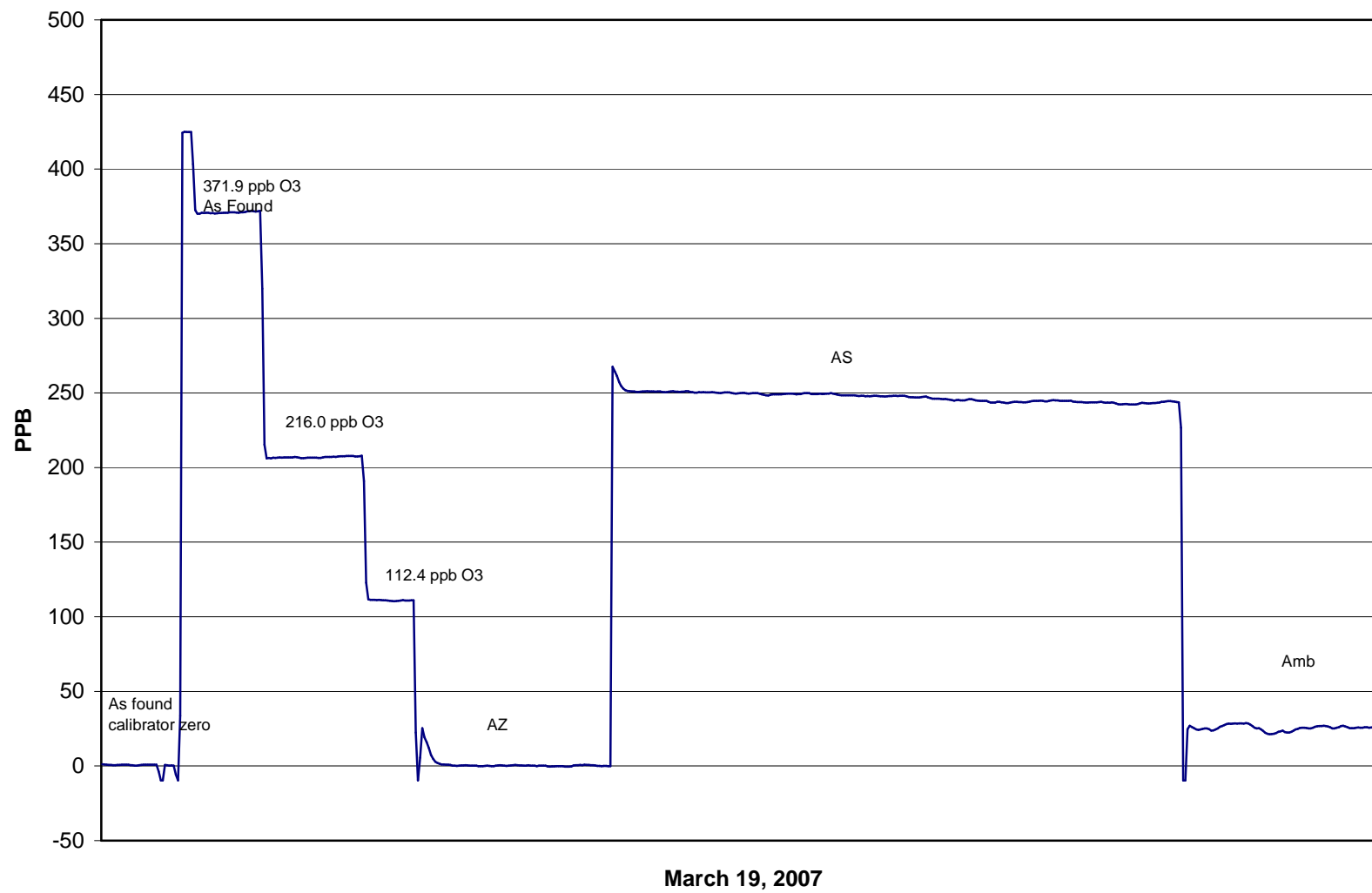
Calculated value of As Found Response: 370.6 ppm Percent Change of As Found: -0.3%

	before calibration		after calibration	
Auto zero	1.0	ppb	1.5	ppb
Auto span	256.1	ppb	254.0	ppb

Notes: _____

Calibration Performed By: Roy Wey

O3 Calibration



Calibration Report

Parameter COAir Monitoring Network PASZA

Station Information

Calibration Date	March 6, 2007	Previous Calibration	February 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			Other: <input type="text"/>
Start Time (MST)	11:47	End Time (MST)	15:06
Barometric Pressure	0.923 ATM	Station Temperature	20.0 Deg C
Calibrator	Envionics 6103	Serial Number	2488
Cal Gas Conc	3000 ppm	Cal Gas Expiry Date	AUG 28/05
		Cal Gas Cylinder #	AAL20565
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.010032	Calculated slope	1.005907
Calculated intercept	-0.085300	Calculated intercept	-0.084588
Analyzer make	TEI Model 48C	Analyzer serial #	508011062

	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
CO span setting	1.055		1.057	
CO zero setting	8.881		9.458	
Sample pressure	708.6	mm Hg	673.5	mm Hg
Sample Flow	1.114	LPM	1.082	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	0.04	N/A
4994	39.94	23.80	23.72	1.0034
4994	19.91	11.91	11.96	0.9964
4994	10.00	6.00	6.08	0.9857
4994	0.00	0.00	0.35	As Found Zero
4994	39.94	23.80	24.37	As Found Span
Average Correction Factor				0.9952

Calculated value of As Found Response: 24.174 ppm Percent Change of As Found: -1.6%

	before calibration		after calibration	
Auto zero	-0.11	ppm	-0.05	ppm
Auto span	21.45	ppm	21.46	ppm

Notes: Adjusted zero and span.

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter CO
Air Monitoring Network PASZA

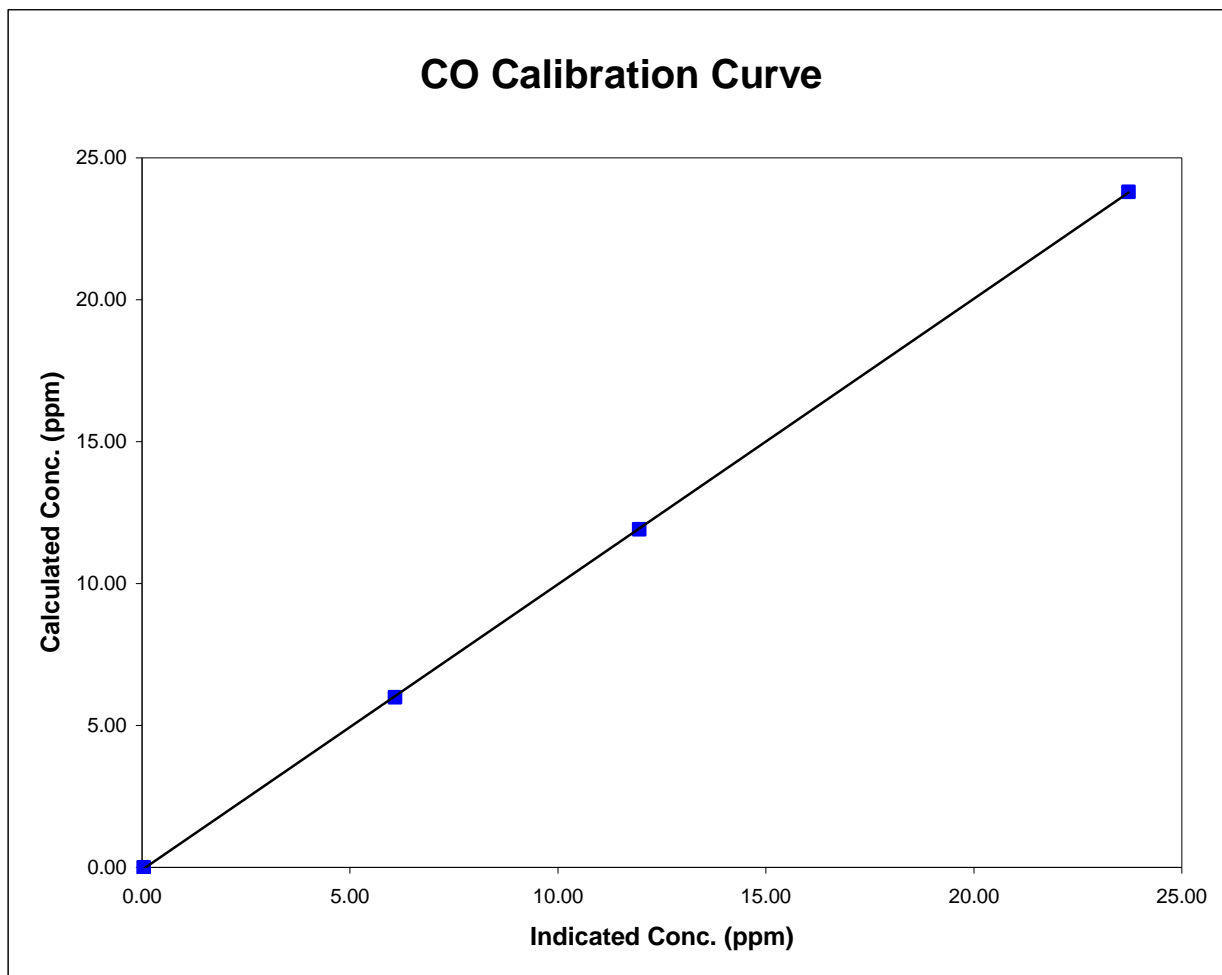


Station Information

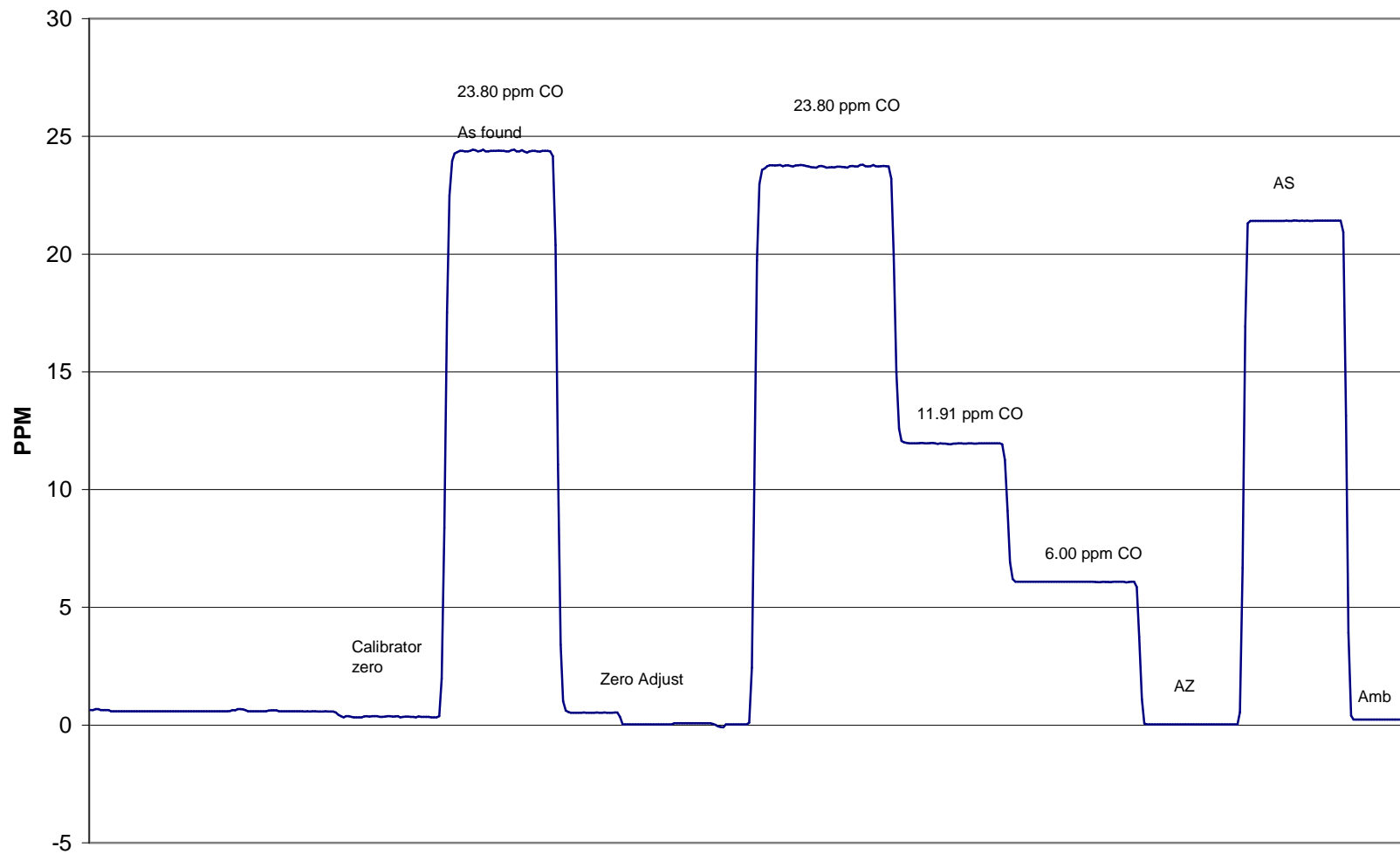
Calibration Date	March 6, 2007	Previous Calibration	February 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Start Time (MST)	11:47	End Time (MST)	15:06
Analyzer make/model	TEI Model 48C	Analyzer serial #	508011062

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.041	N/A		
23.802	23.723	1.0034	Correlation Coefficient	0.999985
11.913	11.956	0.9964		
5.995	6.082	0.9857	Slope	1.005907
			Intercept	-0.084588



CO Calibration



March 6, 2007

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

Calibration Date	March 21, 2007	Previous Calibration	February 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	10:50	End Time (MST)	14:14
Barometric Pressure	0.935 ATM	Station Temperature	20.0 Deg C
Calibrator	Envionics 6103	Serial Number	2844
Cal Gas Concentration	700 ppm CH4/ 299 ppm C3H8	Cal Gas Expiry Date	12/10/2005
Cal Gas CH4 equiv	1522.25 ppm	Cal Gas Cylinder #	ALM 030358
DACS make	Focus AP1000	DACS serial No.	1
DACS voltage range	0 - 1 volt	DACS channel #	9
	Before		After
Calculated slope	1.009817	Calculated slope	1.001814
Calculated intercept	-0.183668	Calculated intercept	-0.020299
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	7230	capture	6852	capture
THC zero counts	488	capture	1279	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	0.04	N/A
4992	64.92	19.54	19.56	0.9991
4992	39.95	12.08	12.03	1.0046
4993	9.95	3.03	3.04	0.9955
4992	0.00	0.00	2.34	As Found Zero
4992	64.92	19.54	19.28	As Found Span
Average Correction Factor				0.9997

Calculated value of As Found Response: 16.917 ppm Percent Change of As Found: 13.4%

	before calibration		after calibration	
Auto zero	-2.22	ppm	-0.11	ppm
Auto span	23.17	ppm	21.70	ppm

Notes: _____

_____Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter THC
 Air Monitoring Network PASZA

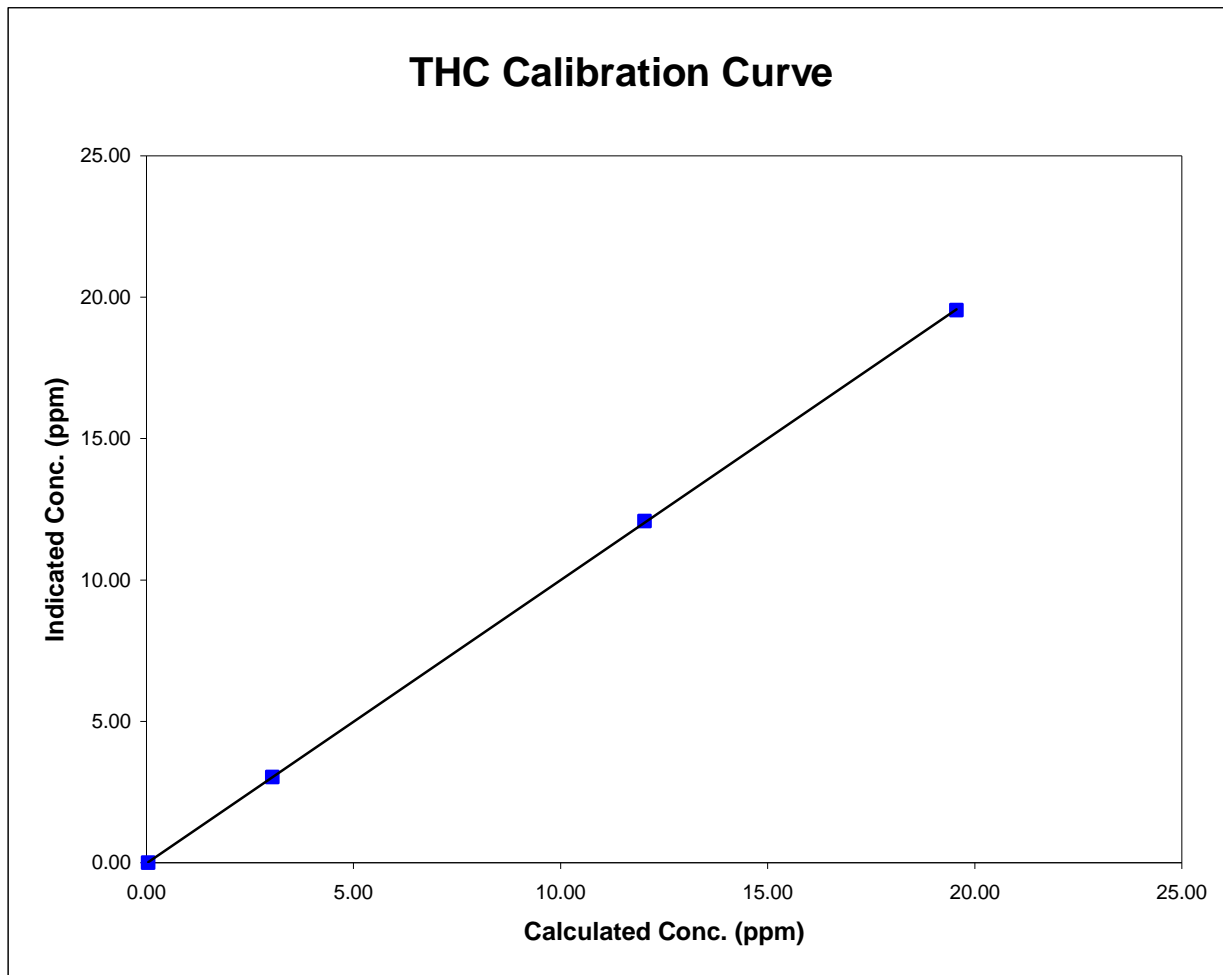


Station Information

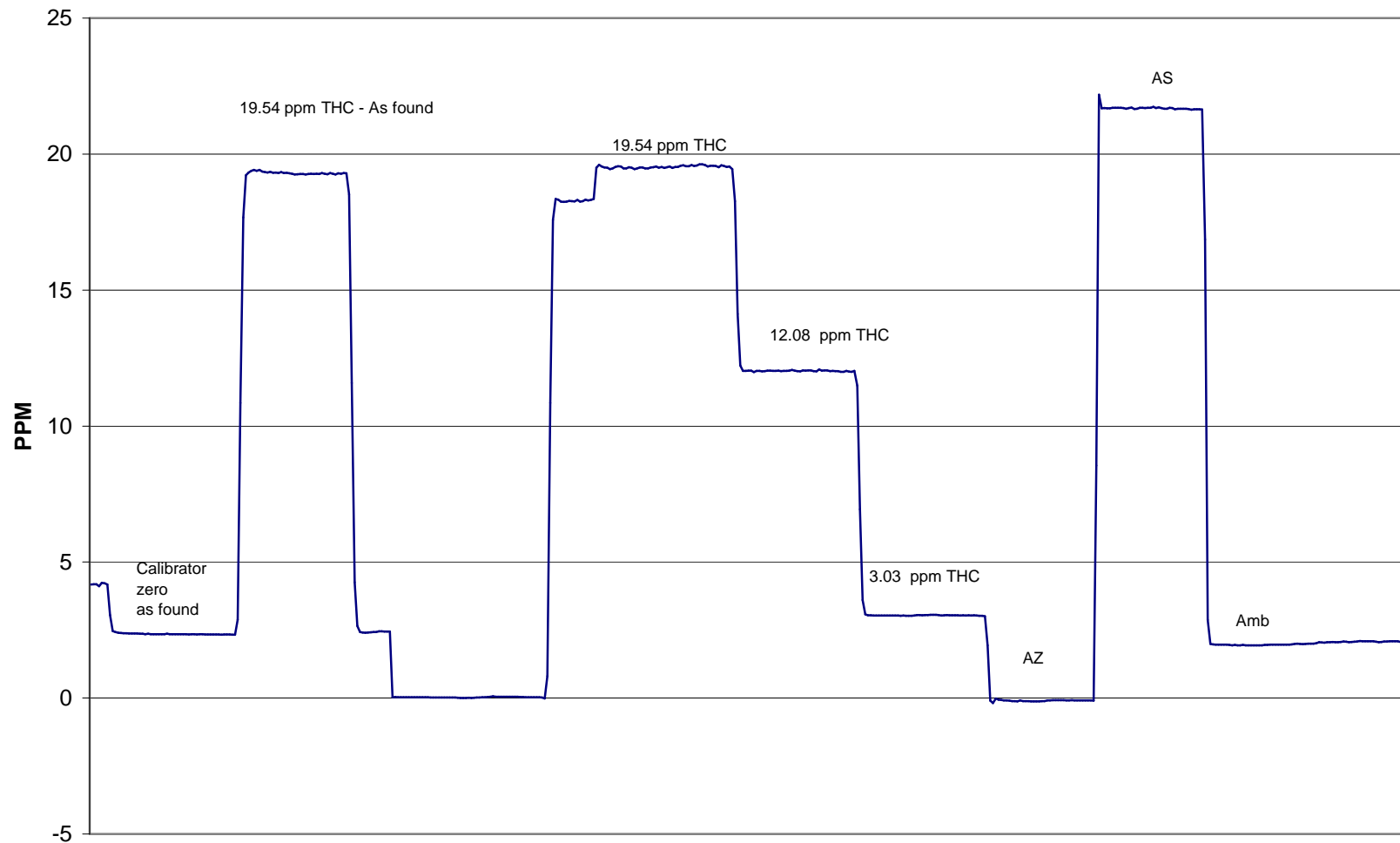
Calibration Date	March 21, 2007	Previous Calibration	February 6, 2007
Station Number	1	Station Location	Muskoseepi Park - Henry Pirker
Start Time (MST)	10:50	End Time (MST)	14:14
Analyzer make/model	TEI Model 51C-LT	Analyzer serial #	51CLT-79009-390

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	0.042	N/A		
19.542	19.560	0.9991	Correlation Coefficient	0.999981
12.084	12.029	1.0046		
3.027	3.041	0.9955	Slope	1.001814
			Intercept	-0.020299

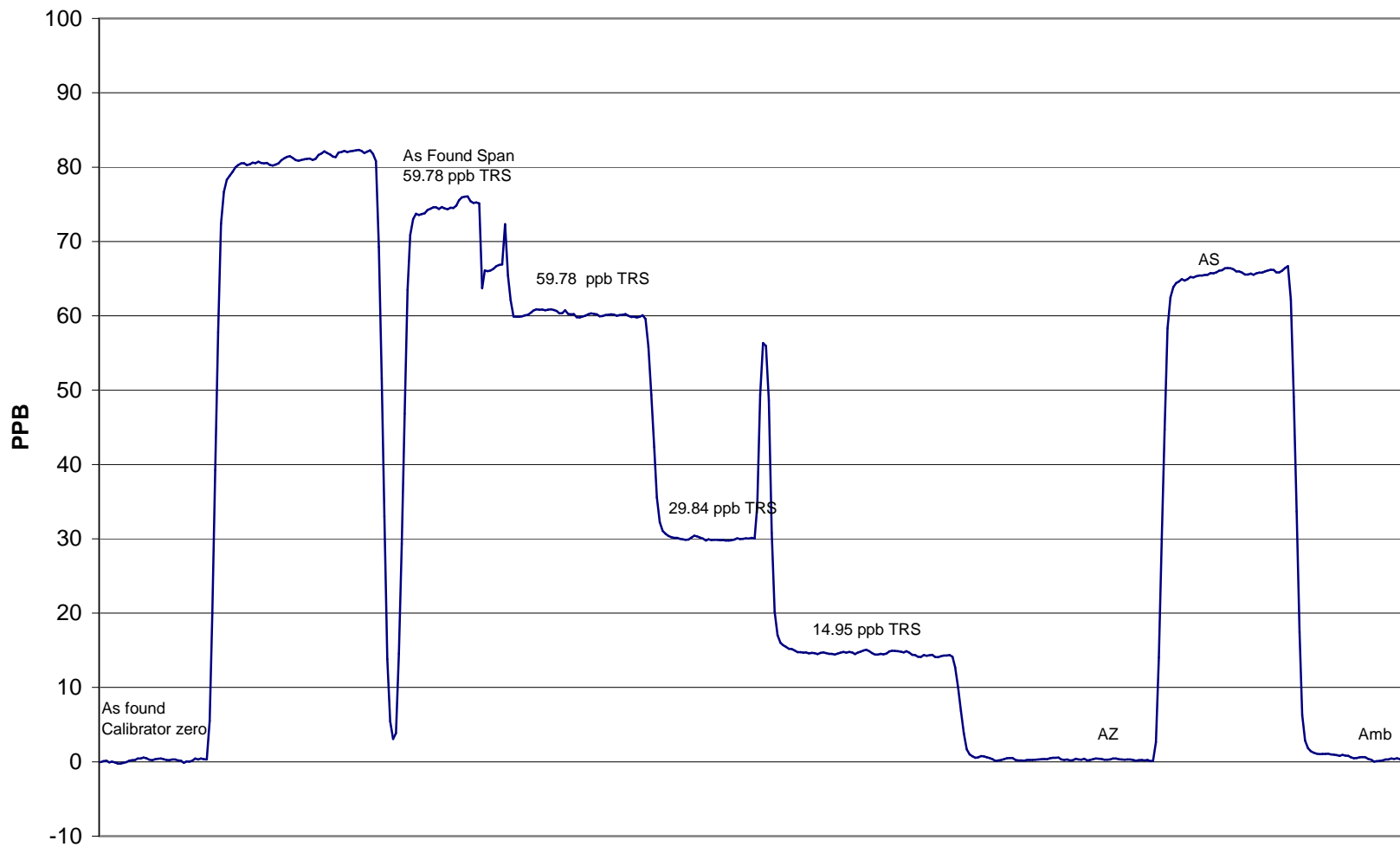


THC Calibration



March 21, 2007

TRS Calibration



March 19, 2007

Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	March 14, 2007	Previous Calibration	February 14, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	13:35	End Time (MST)	17:08
Barometric Pressure	27.9 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	0.947040	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	52620
DACS voltage range	0 - 10 volt	DACS channel #	6
	Before		After
Calculated slope	0.996142	Calculated slope	0.995461
Calculated intercept	1.162095	Calculated intercept	0.640658
Analyzer make	Teco 43i	Analyzer serial #	701120008

	before		after	
Concentration range	1000	ppb	1000	ppb
Background	8.5		8.5	
coefficient	0.931		0.931	
Lamp Voltage	876	volts	876	volts
Chamber Temp	45.3	Deg C	45.3	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	659.5	mm Hg	659.5	mm Hg
Sample Flow	44.3	ccm	44.3	ccm
Lamp Intensity	89	%	89	%

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2396.0	0.0	0.4	N/A
2530	2396.0	310.0	311.3	0.9959
5010	4744.7	156.6	156.2	1.0022
9200	8712.8	85.3	83.9	1.0160
zero	2377.1	0.0	0.4	As Found Zero
2510	2377.1	312.5	334.0	As Found Span
Average Correction Factor				1.0047

Calculated value of As Found Response: 333.519 ppm Percent Change of As Found: -6.7%

	before calibration		after calibration	
Auto zero	4.4	ppm	0.9	ppm
Auto span	271.6	ppm	261.1	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

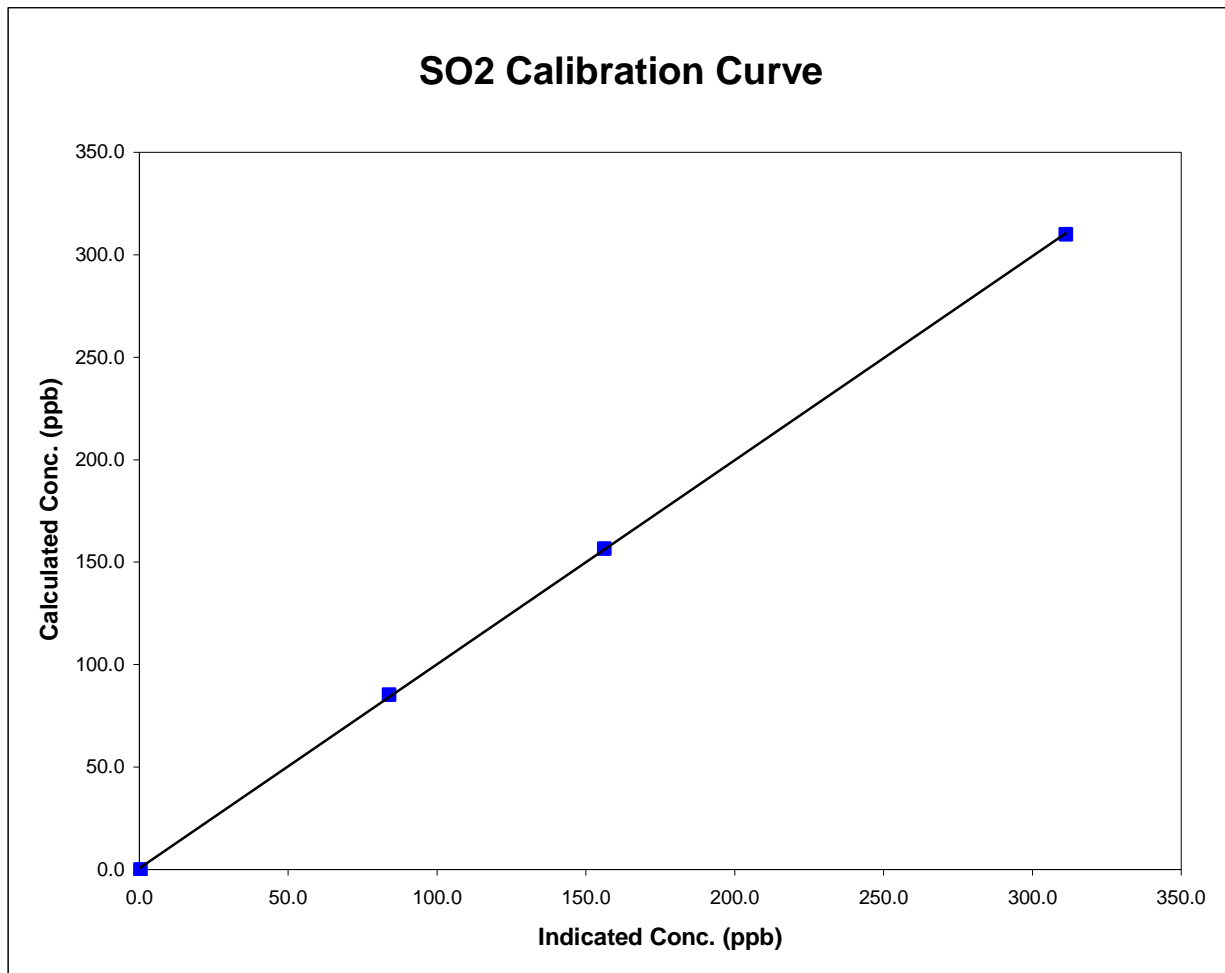
Parameter SO2
 Air Monitoring Network PASZA

**Station Information**

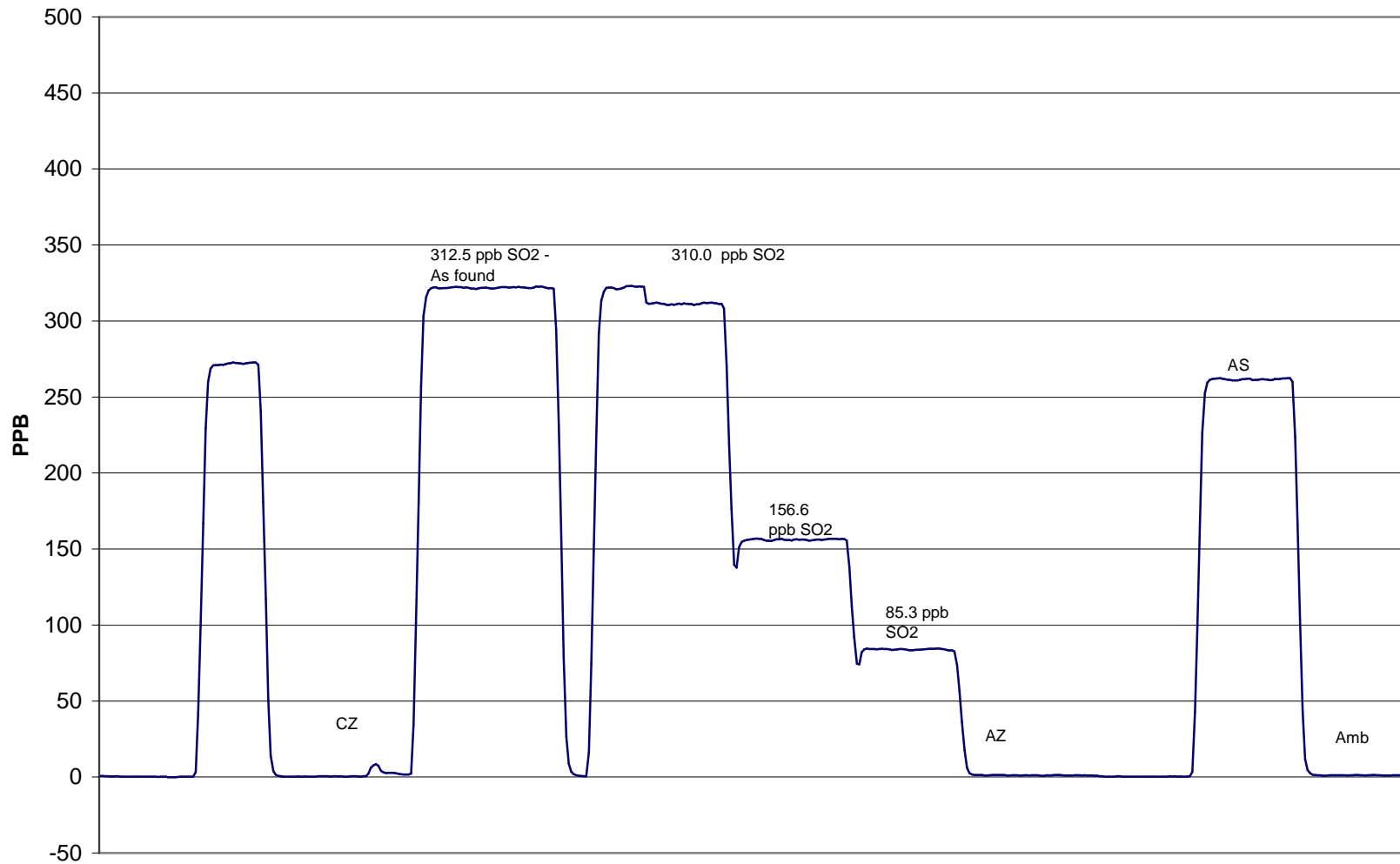
Calibration Date	March 14, 2007	Previous Calibration	February 14, 2007
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	13:35	End Time (MST)	17:08
Analyzer make/model	Teco 43i	Analyzer serial #	701120008

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.4	N/A		
310.0	311.3	0.9959	Correlation Coefficient	0.999950
156.6	156.2	1.0022		
85.3	83.9	1.0160		
			Slope	0.995461
			Intercept	0.640658

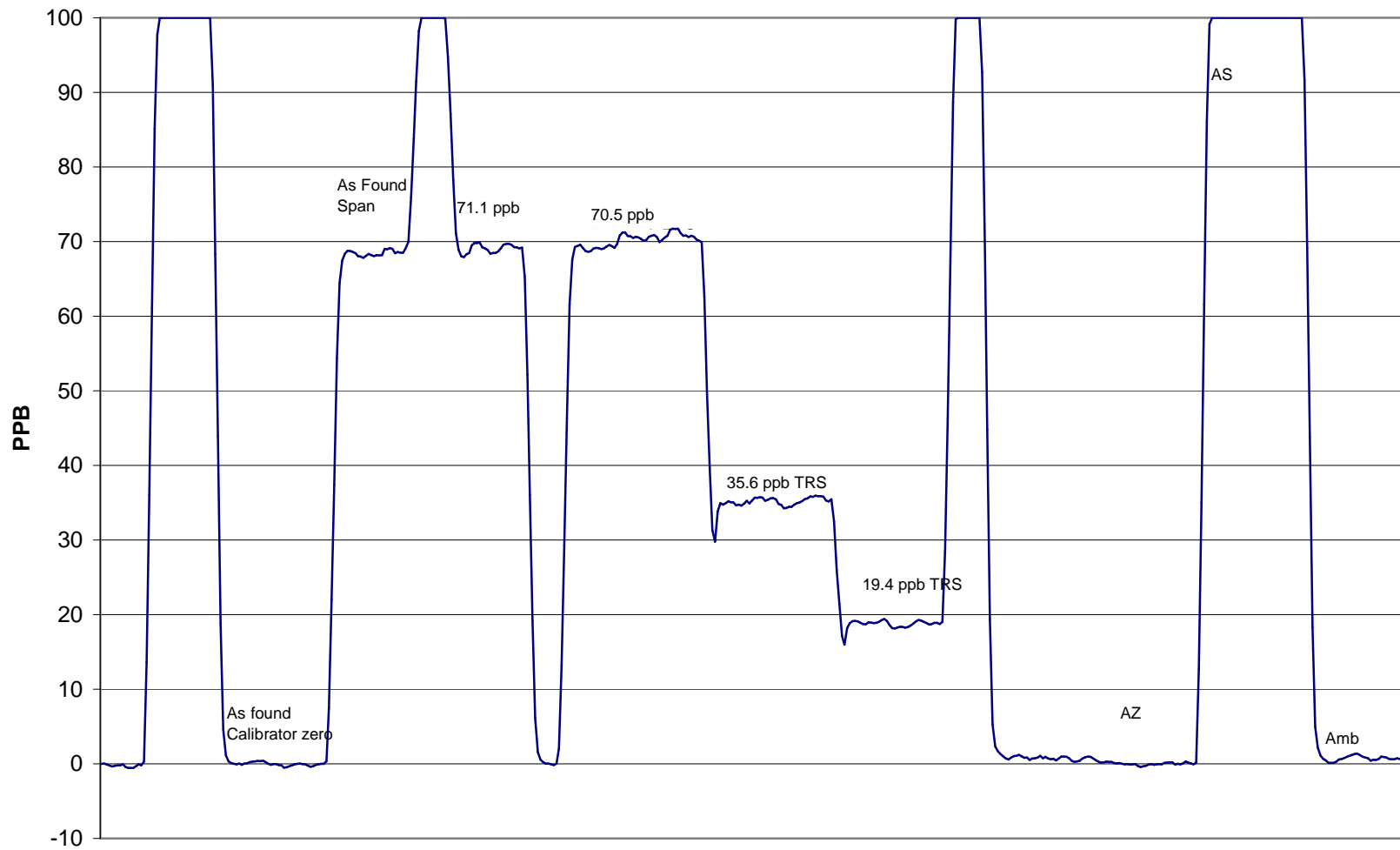


SO2 Calibration



March 14, 2007

TRS Calibration



March 14, 2007

Calibration Report

Parameter PM2.5Air Monitoring Network PASZA

Station Information

Calibration Date	March 14, 2007	Previous Calibration	February 14, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	15:10	End Time (MST)	16:00
Barometric Pressure	0.931 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15
	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	39	%	18	%
Ko Factor	10124		10124	
Temperature	-5.5	Deg C	-5.5	Deg C
Pressure	0.935	ATM	0.935	ATM

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.08		0.08
zero flow - auxiliary	0.0	0.10		0.10
flow recovery - main	45 - 60 Seconds	30.0	45 - 60 Seconds	30.0
flow recovery - aux	46 - 60 Seconds	40.0	46 - 60 Seconds	40.0
Temperature	measured	-5.5	+/- 1.0 Deg C	-5.5
Pressure	measured	0.935	+/- 1.5% ΔATM	0.935
Total Flow	16.67 SLPM	17.50		17.50
Main Flow	13.67 SLPM	14.40	+/- 1.0 SLPM	14.40
Auxiliary Flow	3.0 SLPM	3.110	+/- 0.2 SLPM	3.110
Leak Check - main	0.0	0.12	<0.15 SLPM	0.12
Leak Check - aux	0.0	0.16	<0.15 SLPM	0.16
Ko Factor (w/o filter)	measured	307.258	filter weight (g)	0.11012
Ko Factor (w/ filter)	measured	216.670	% Ko difference	-1.57%

Notes: New filter
Check flows
audit filter ok... getting close to limit please note filter is old.

Calibration Performed By: Dawn Ewan

Calibration Report



Parameter SO₂
 Air Monitoring Network PASZA

Station Information

Calibration Date	March 9, 2007	Previous Calibration	February 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="checkbox"/>
Start Time (MST)	10:04	End Time (MST)	13:45
Barometric Pressure	27.50 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	0.934802	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	0.995492	Calculated slope	1.009442
Calculated intercept	1.052841	Calculated intercept	1.004868
Analyzer make	Teco 43i	Analyzer serial #	70112009

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

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	2439.8	0.0	0.1	N/A
2610	2439.8	304.4	300.9	1.0118
5000	4674.0	158.9	156.8	1.0134
9000	8413.2	88.3	84.7	1.0423
zero	2393.1	0.0	-1.2	As Found Zero
2560	2393.1	310.4	303.3	As Found Span
Average Correction Factor				1.0225

Calculated value of As Found Response: 304.147 ppm Percent Change of As Found: 2.0%

	before calibration		after calibration	
Auto zero	0.8	ppm	1.0	ppm
Auto span	313.4	ppm	307.0	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
Air Monitoring Network PASZA

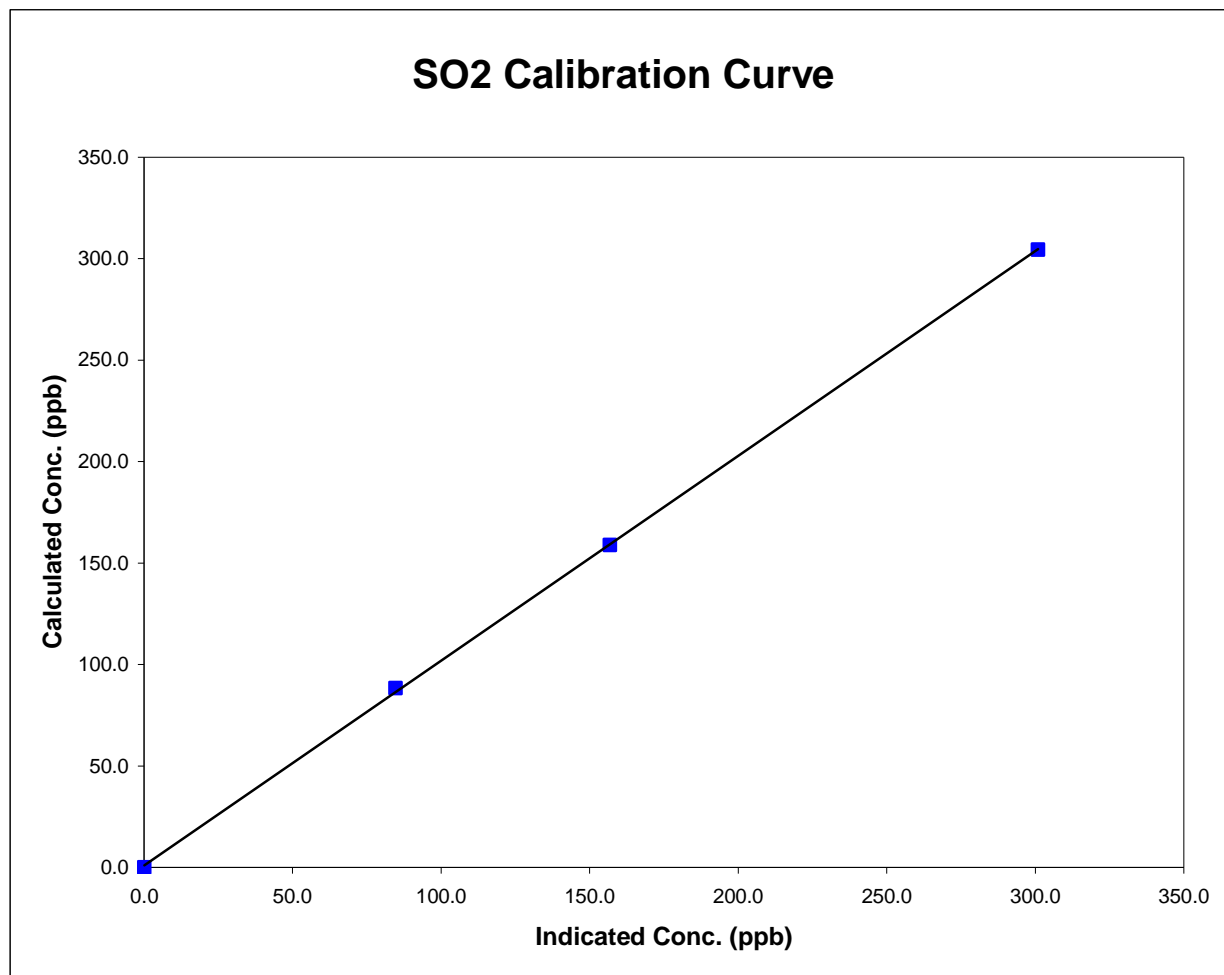


Station Information

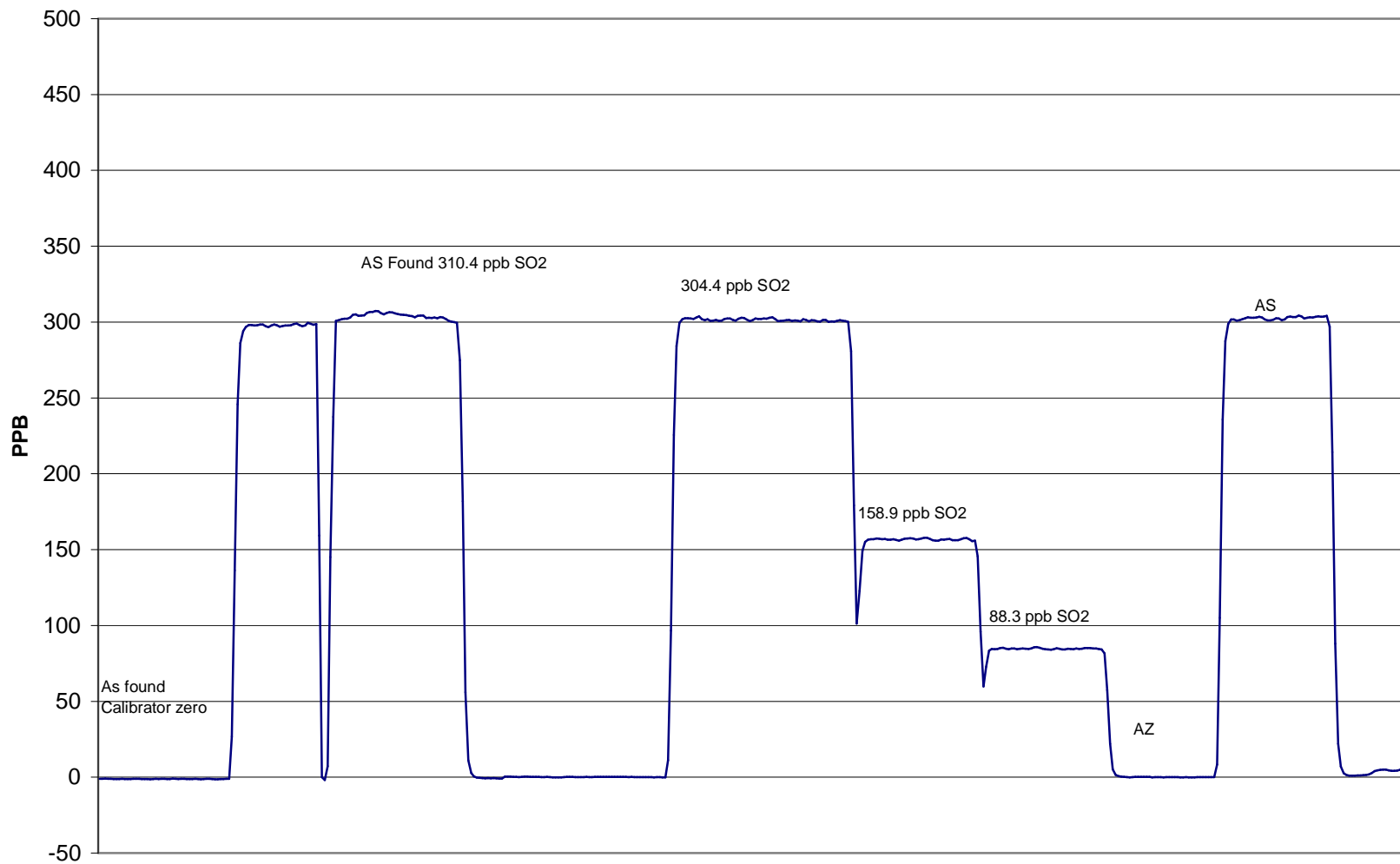
Calibration Date	March 9, 2007	Previous Calibration	February 19, 2007
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	10:04	End Time (MST)	13:45
Analyzer make/model	Teco 43i	Analyzer serial #	70112009

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	N/A		
304.4	300.9	1.0118	Correlation Coefficient	0.999907
158.9	156.8	1.0134		
88.3	84.7	1.0423	Slope	1.009442
			Intercept	1.004868

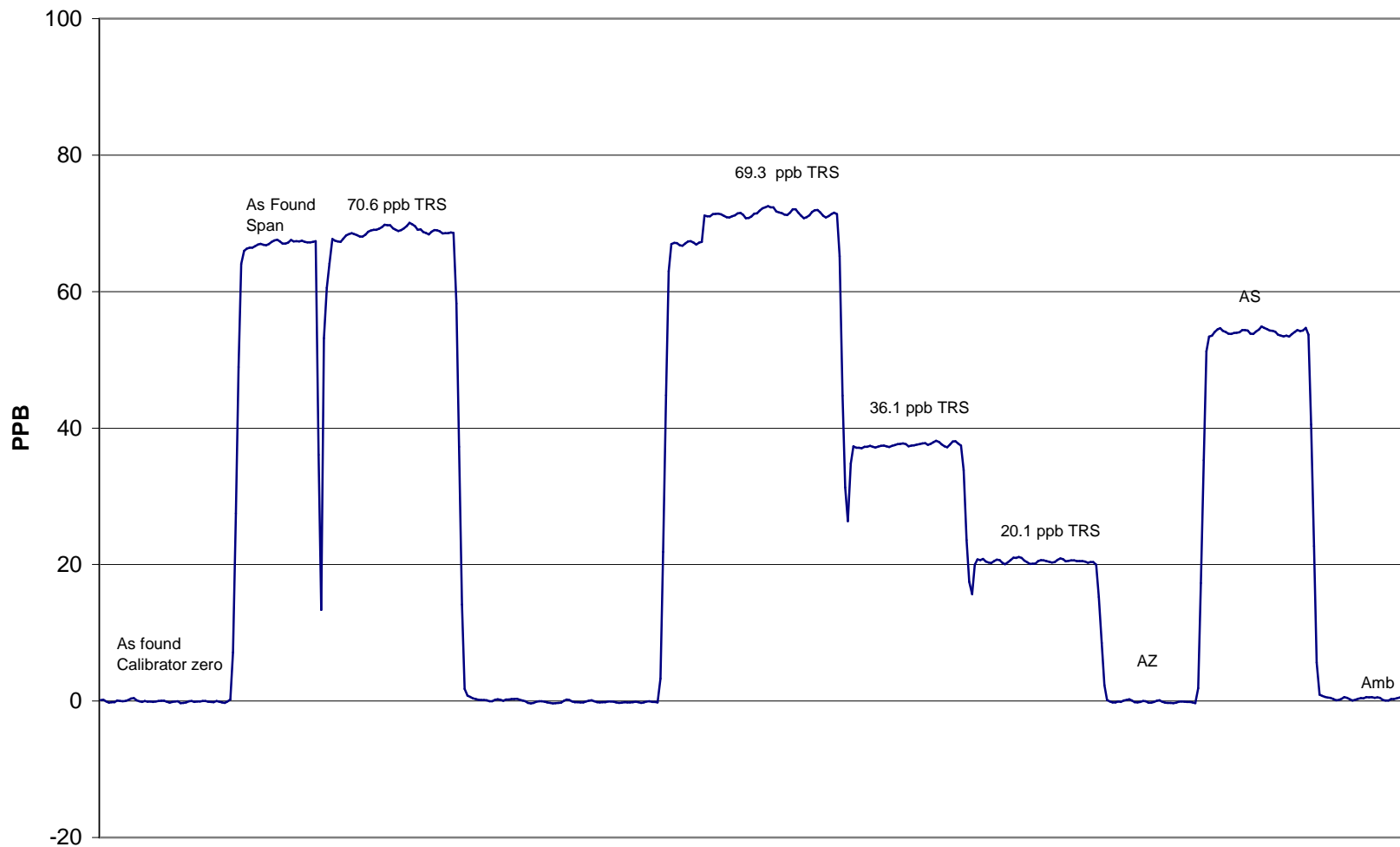


SO2 Calibration



March 9, 2007

TRS Calibration



March 9, 2007

Calibration Report

Parameter PM2.5
 Air Monitoring Network PASZA

Station Information

Calibration Date	March 9, 2007	Previous Calibration	February 19, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	13:10	End Time (MST)	
Barometric Pressure	0.919 ATM	Station Temperature	20.0 Deg C
Flow Calibrator	BIOS Drycal DCL-MH	Serial Number	101780
DACS make	AP 1000	DACS serial No.	45269
DACS voltage range	0 - 1 V	DACS channel #	15

Analyzer Information

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

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.67	SLPM
Filter Load	39	%	15	%
Ko Factor	12122		12122	
Temperature	5.3	Deg C	5.3	Deg C
Pressure	0.913	ATM	0.913	ATM
Main Fadj	0.970		0.970	
Aux Fadj	1.000		1.000	

Calibration Data

Parameter	Set Point	As Found	Tolerance	New Reading
zero flow - main	0.0	0.09		0.09
zero flow - auxillary	0.0	0.27		0.27
flow recovery - main	45 - 60 Seconds	35	45 - 60 Seconds	35
flow recovery - aux	46 - 60 Seconds	45	46 - 60 Seconds	45
Temperature	measured	5.4	+/- 1.0 Deg C	5.4
Pressure	measured	0.913	+/- 1.5% ΔATM	0.913
Total Flow	16.67 SLPM	16.75		16.75
Main Flow	13.67 SLPM	13.81	+/- 1.0 SLPM	13.81
Auxillary Flow	3.0 SLPM	2.937	+/- 0.2 SLPM	2.937
Leak Check - main	0.0	0.14	<0.15 SLPM	0.14
Leak Check - aux	0.0	0.25	<0.15 SLPM	0.25
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 ReportParameter SO₂Air Monitoring Network PASZA**Station Information**

Calibration Date	March 20, 2007	Previous Calibration	February 23, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	12:06	End Time (MST)	15:14
Barometric Pressure	0.897 atm	Station Temperature	20.0 Deg C
Calibrator	EnviroNics 6103	Serial Number	1633
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	0.996611	Calculated slope	1.009885
Calculated intercept	-0.068587	Calculated intercept	-0.251296
Analyzer make	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	2.4	ppb	2.39	ppb
Coefficient	0.918		0.918	
Lamp Voltage	914.0	Volts	914.0	Volts
Chamber Temp	43.1	Deg C	43.6	Deg C
Sample Flow	567	ccm	568	ccm

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.00	0.04	N/A
4996	39.20	80.19	79.53	1.0083
4996	19.50	40.05	40.05	0.9999
4996	9.75	20.06	20.30	0.9883
4996	0.00	0.00	0.02	As Found Zero
4996	39.20	80.19	79.52	As Found Span
Average Correction Factor				0.9988

Calculated value of As Found Response: 79.164 ppm Percent Change of As Found: 1.3%

	before calibration		after calibration	
Auto zero	-0.02	ppm	-0.13	ppm
Auto span	30.01	ppm	29.98	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2

Air Monitoring Network PASZA

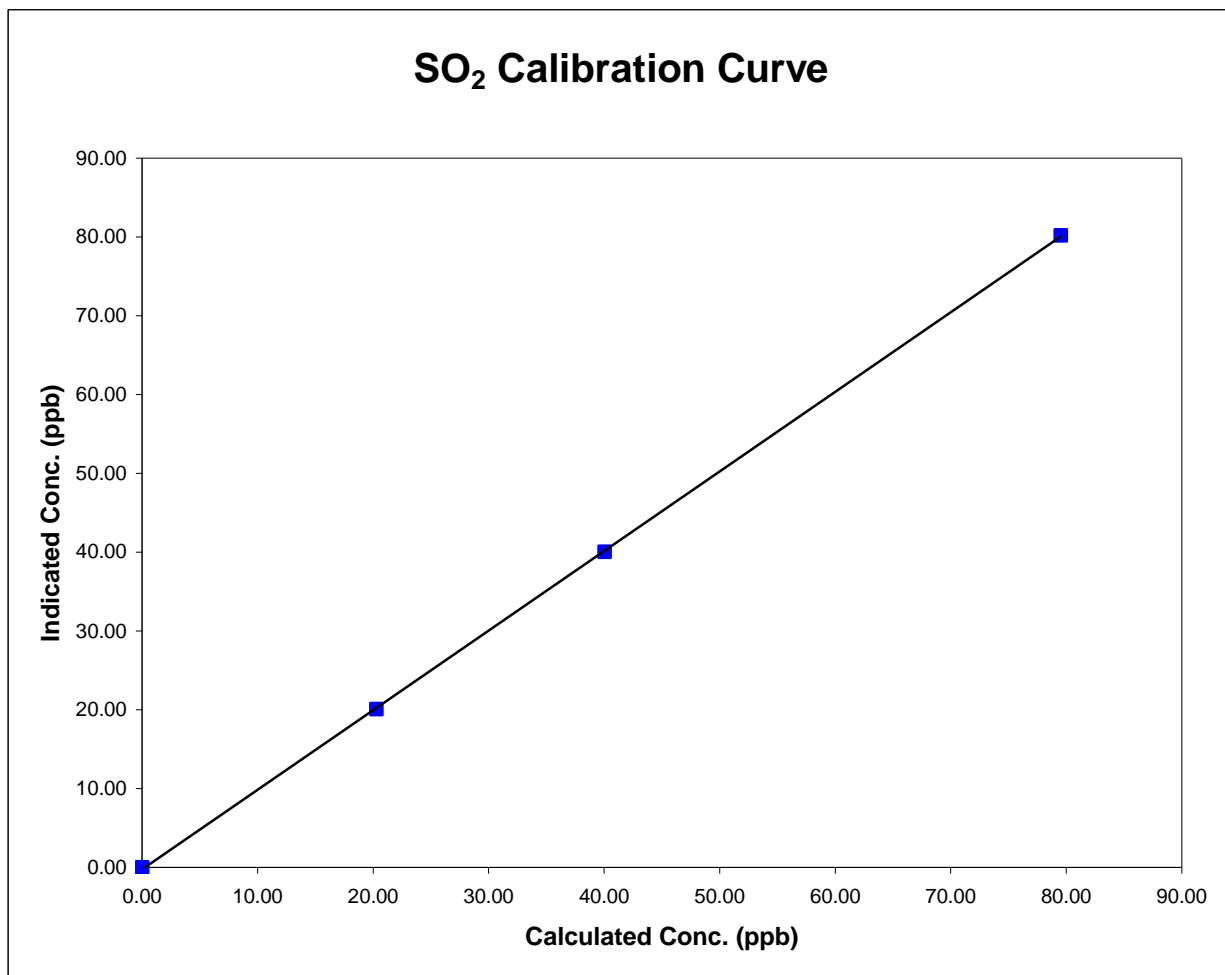


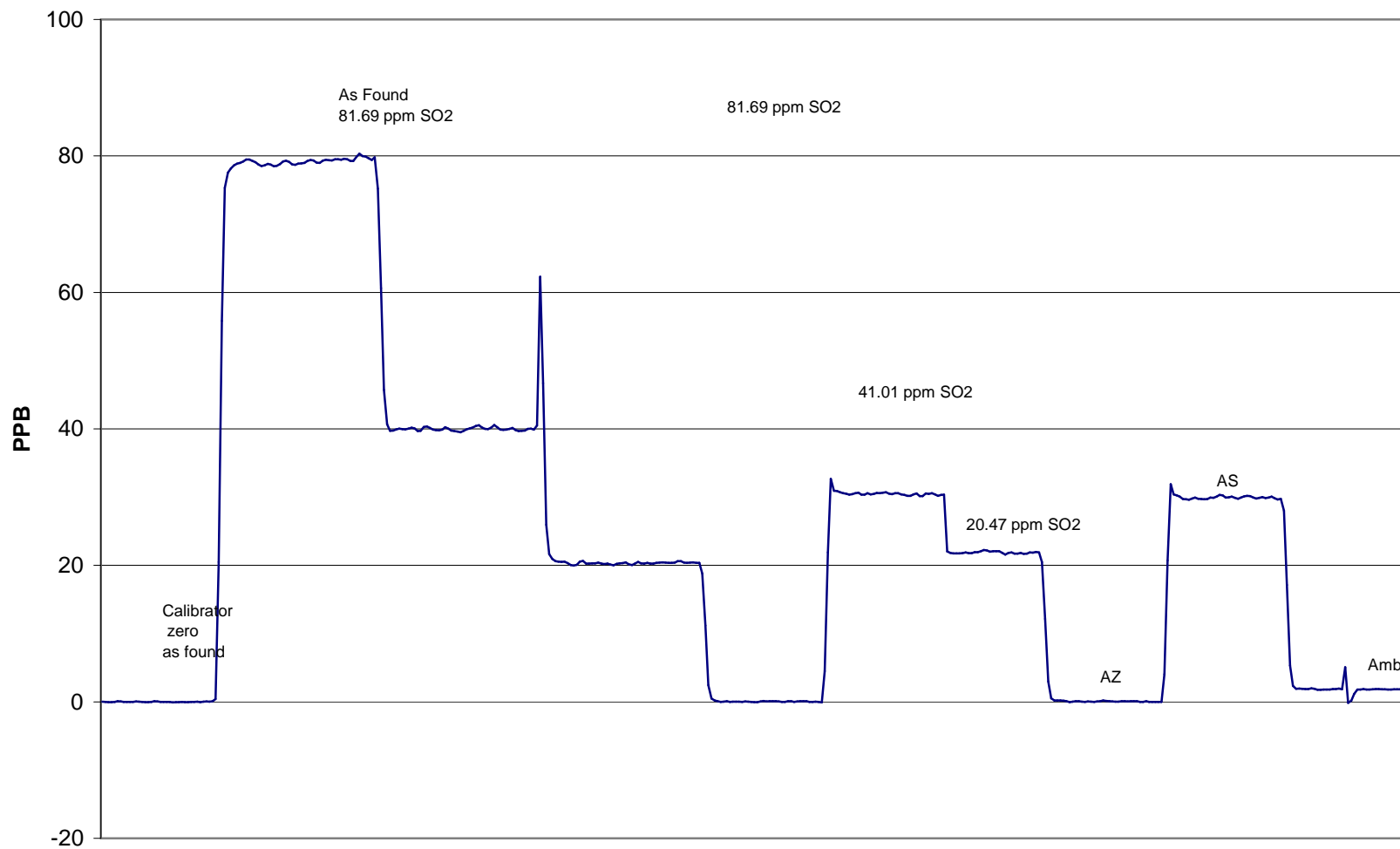
Station Information

Calibration Date	March 20, 2007	Previous Calibration	February 23, 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	0.037	N/A		
80.187	79.530	1.0083	Correlation Coefficient	0.999966
40.046	40.050	0.9999		
20.062	20.300	0.9883	Slope	1.009885
			Intercept	-0.251296



SO₂ Calibration

March 20, 2007

Calibration Report

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

**Station Information**

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

Reason: Routine Installation Removal Other: _____

Start Time (MST)	<u>8:30</u>	End Time (MST)	<u>15:38</u>
Barometric Pressure	<u>0.897</u> Atm	Station Temperature	<u>20.0</u> Deg C
Calibrator	<u>EnviroNics 6103</u>	Serial Number	<u>1633</u>
NO Cal Gas Conc	<u>102.7</u> ppm	Cal Gas Expiry Date	<u>Nov 22/06</u>
NOx Cal Gas Conc	<u>102.7</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	1.001250	0.996092	0.999393
	Data Offset	-2.029542	-1.973627	-2.613553
After	Data Slope	0.982991	1.001354	1.001153
	Data Offset	2.291098	-0.819317	-0.078927
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	1.049		1.068	
NOx coefficient	0.983		1	
Box Temp	30.7	ccm	30.7	ccm
Chamber Temp	49.4	Deg C	49.4	Deg C
Cooler Temp	-2.2	Deg C	-2.1	Deg C
Converter Temp	325.0	Deg C	325.0	Deg C
Sample Flow	780.0	LPM	779.0	LPM
Ozonator Flow	0.084	LPM	0.083	LPM
Pressure	164.5	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: **March 20, 2007** Station Location: **Beaverlodge**

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor
zero	4996	0.00	0.0	0.0	0.0	-0.2	-0.3	-0.3	N/A	N/A
1	4996	39.22	799.9	799.9	0.0	798.8	798.6	0.0	1.0014	1.0016
2	4996	19.55	400.3	400.3	0.0	402.1	400.9	0.4	0.9956	0.9985
3	4996	9.75	200.0	200.0	0.0	201.0	199.8	0.5	0.9952	1.0014
AFZ	4996	0.00	0.0	0.0	0.0	-0.2	-0.3	-0.3	0.0000	0.0000
AFS	4996	39.22	799.9	799.9	0.0	780.0	769.0	-6.0	1.0256	1.0402
									Average Correction Factor	1.0005

As Found Concentrations: **NO_x= 778.3** **NO= 766.7** As Found Percent Change **NO_x= -2.7%** **NO= -4.2%**

GPT Calibration Data

Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

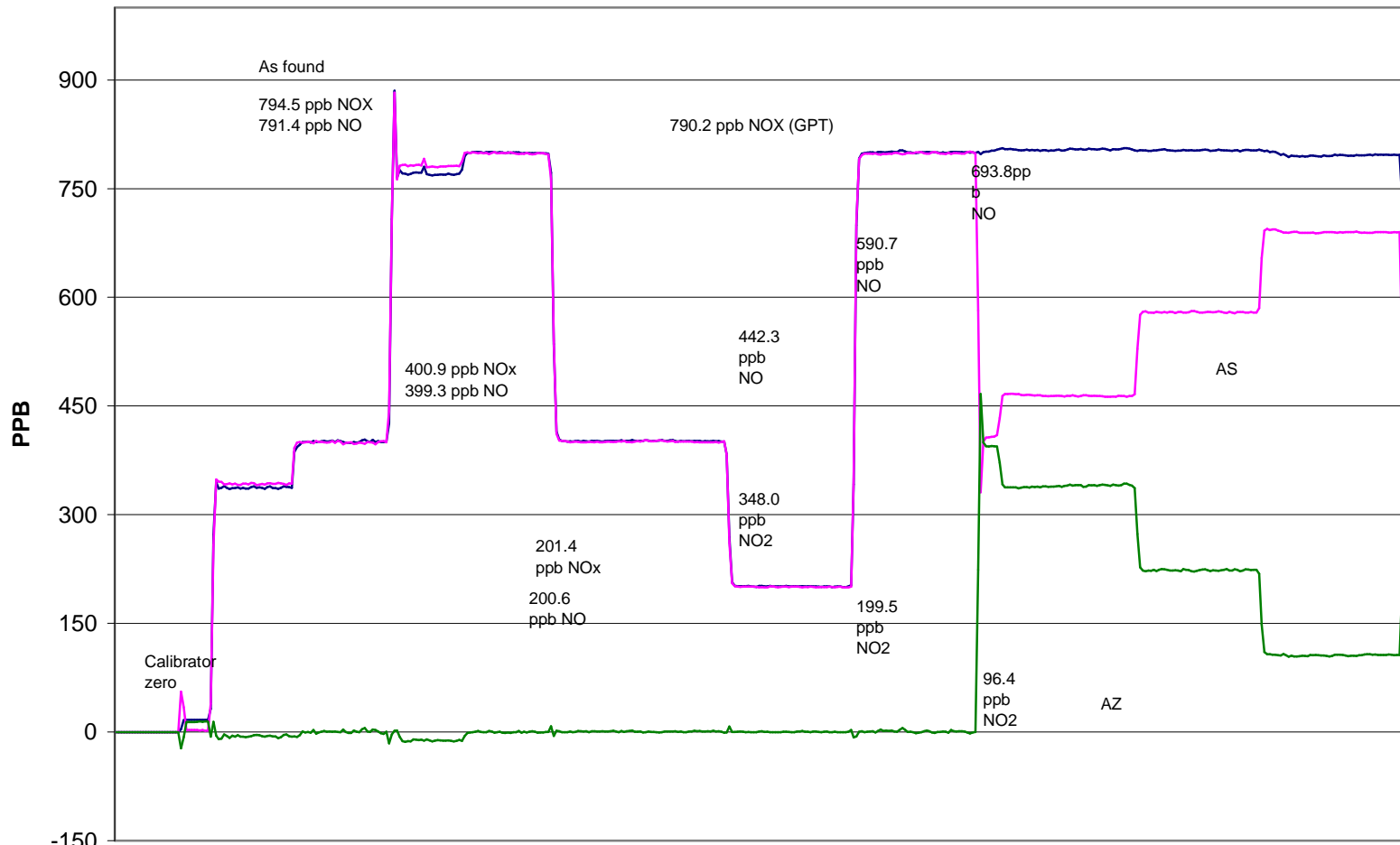
O3 Setpoint (ppb)	Calculated NO _x conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NO _x conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NO _x Correction factor	NO Correction factor	NO ₂ Correction factor	Converter Efficiency	
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	
NO point	801.1	800.8	0.3	800.0	800.0	0.9	1.0014	1.0011	N/A	N/A	
350	801.1	464.4	336.7	802.8	463.9	340.7	0.9979	1.0010	0.9883	101.2%	
200	801.1	580.5	220.6	802.8	579.9	223.0	0.9979	1.0010	0.9893	101.1%	
100	801.1	689.9	111.2	797.0	689.2	107.4	1.0052	1.0010	1.0356	96.6%	
							Average Correction Factor	1.0003	1.0010	1.0044	99.6%

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	-0.9	2.1	0.3	ppb
Auto span	489.0	2.8	480.7	ppb	491.0	8.9	501.0	ppb

Calibration Performed By: Roy Wey

NOx Calibration



March 20, 2007

Calibration Summary

Parameter NO₂
 Air Monitoring Network PASZA

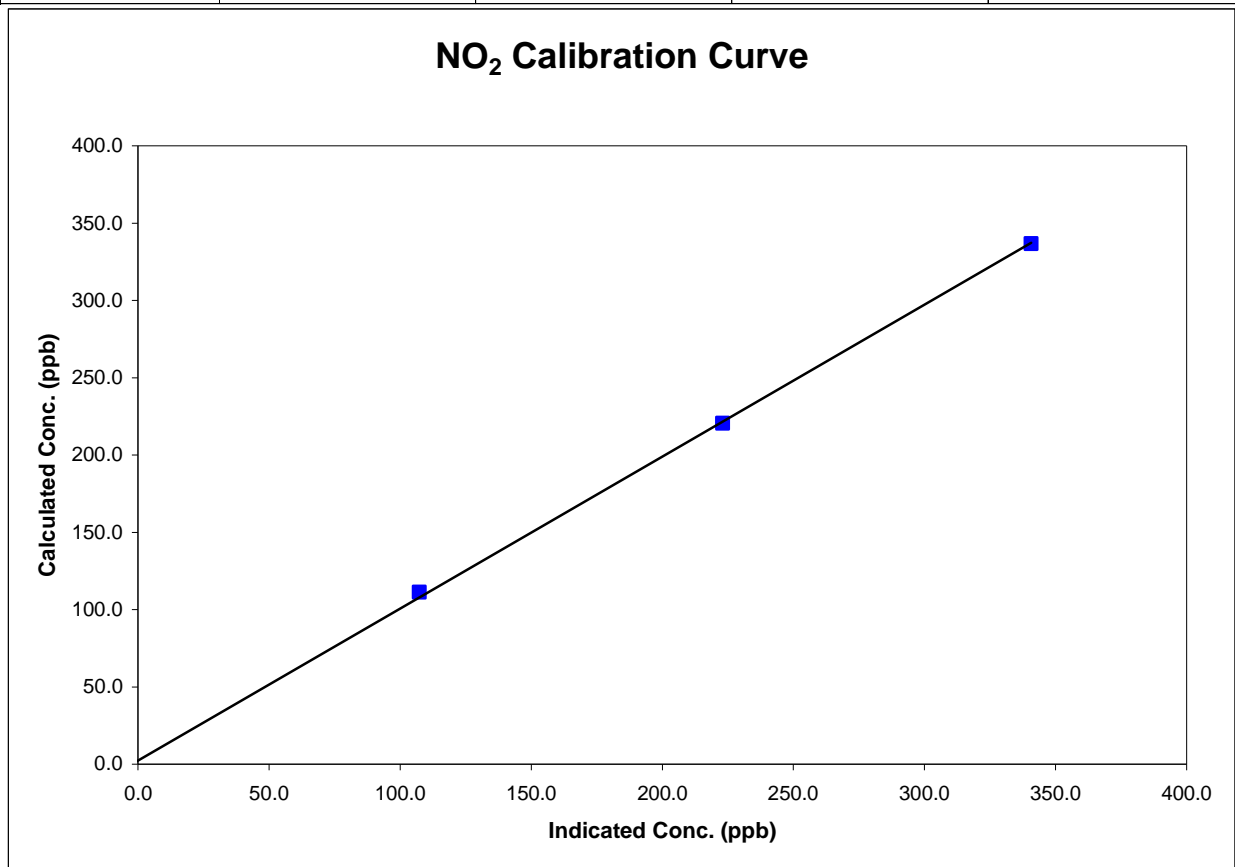


Station Information

Calibration Date	March 20, 2007	Previous Calibration	February 20, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:30	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	-0.3	0.0000		
336.7	340.7	0.9883	Correlation Coefficient	0.999741
220.6	223.0	0.9893		
111.2	107.4	1.0356	Slope	0.982991
			Intercept	2.291098



Calibration Summary

Parameter NO_x
 Air Monitoring Network PASZA



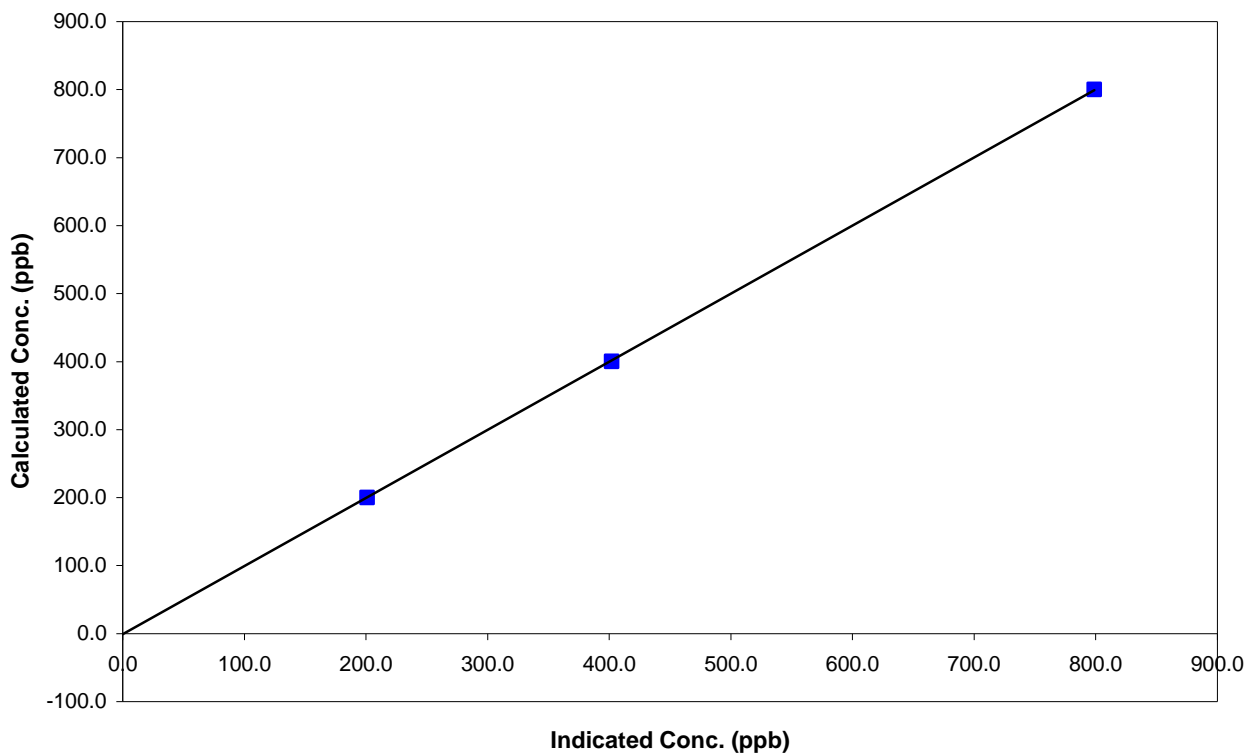
Station Information

Calibration Date	<u> March 20, 2007 </u>	Previous Calibration	<u> February 20, 2007 </u>
Station Number	<u> 4 </u>	Station Location	<u> Beaverlodge </u>
Start Time (MST)	<u> 8:30 </u>	End Time (MST)	<u> 15:38 </u>
Analyzer make	<u> TEI Model 42 </u>	Analyzer serial #	<u> 42-28486-231 </u>

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.2	0.0000		
799.9	798.8	1.0014	Correlation Coefficient	0.999988
400.3	402.1	0.9956		
200.0	201.0	0.9952	Slope	1.001354
			Intercept	-0.819317

NO_x Calibration Curve



Calibration Summary

Parameter NO
 Air Monitoring Network PASZA



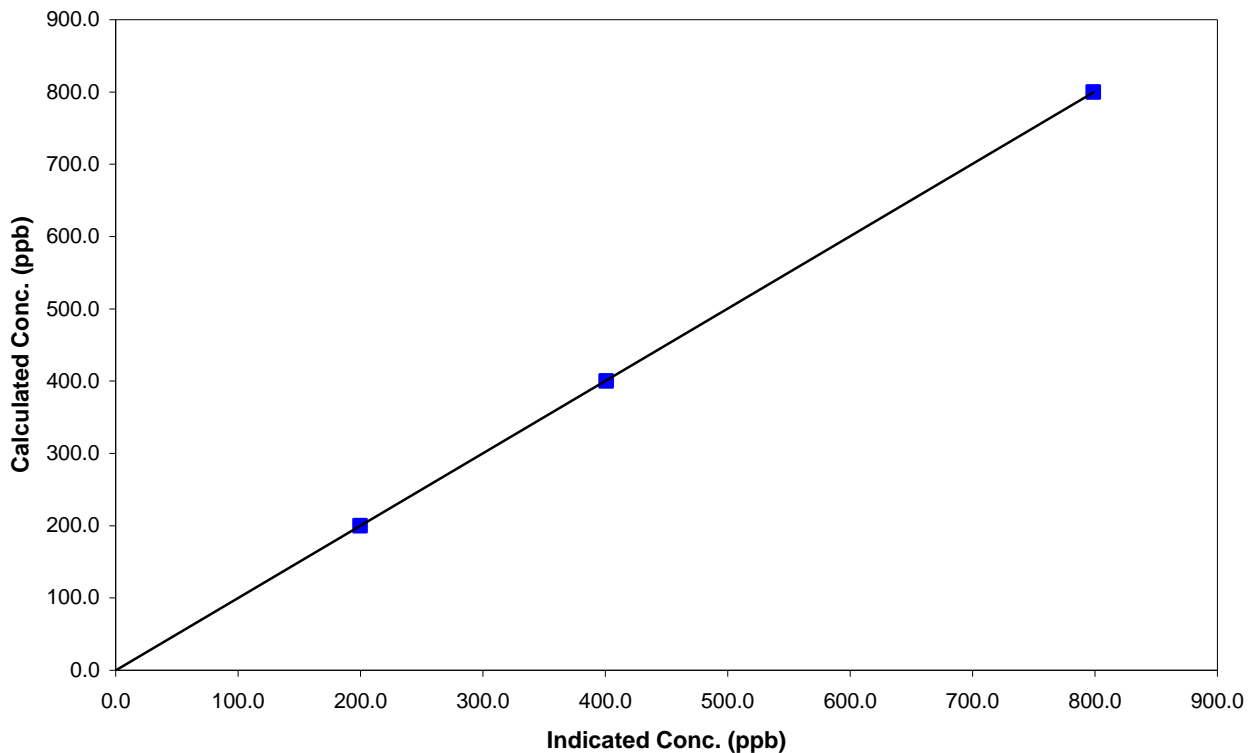
Station Information

Calibration Date	March 20, 2007	Previous Calibration	February 20, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:30	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	-0.3	N/A		
799.9	798.6	1.0016	Correlation Coefficient	0.999996
400.3	400.9	0.9985		
200.0	199.8	1.0014	Slope	1.001153
			Intercept	-0.078927

NO Calibration Curve



Calibration Summary



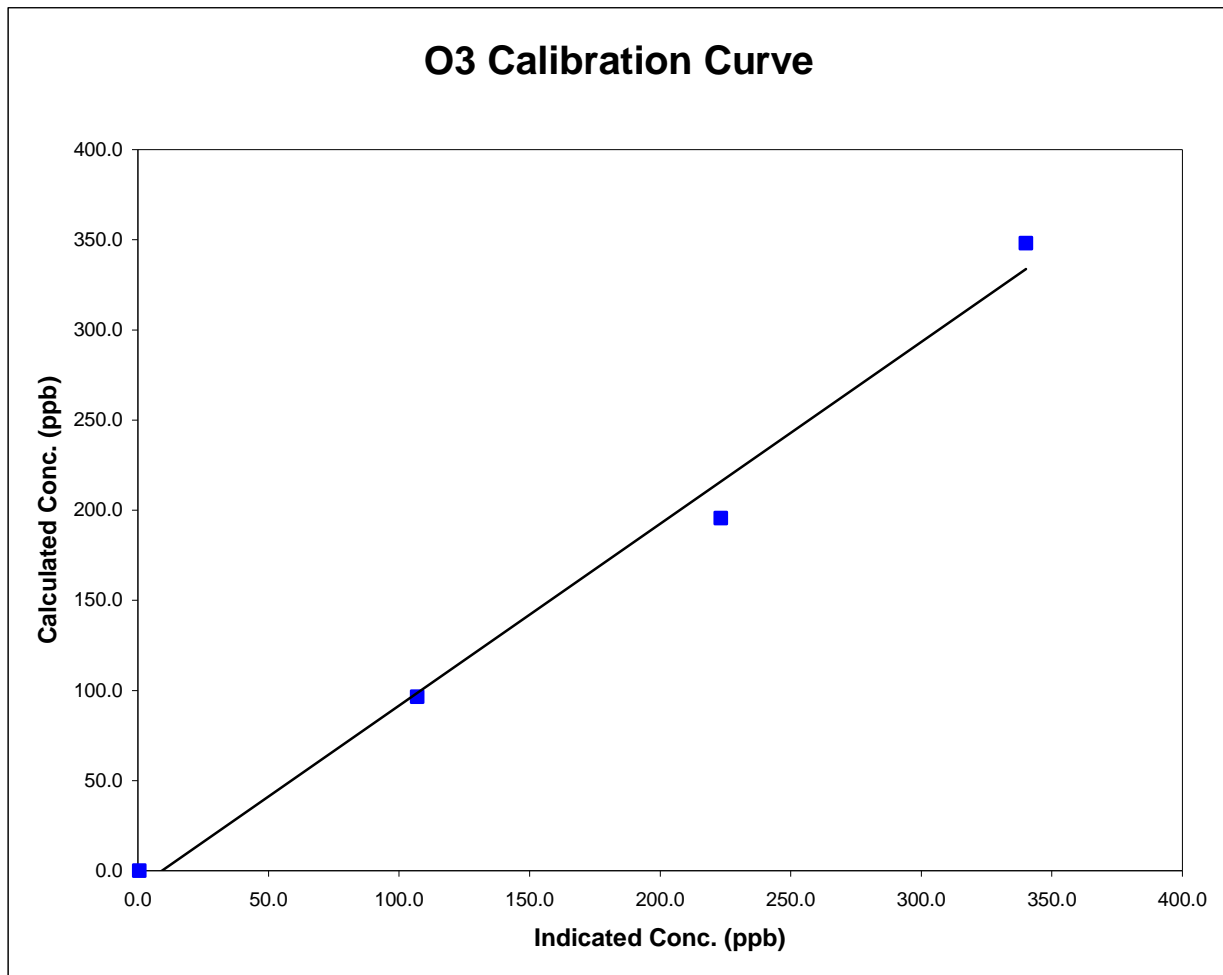
Parameter
 Air Monitoring Network

Station Information

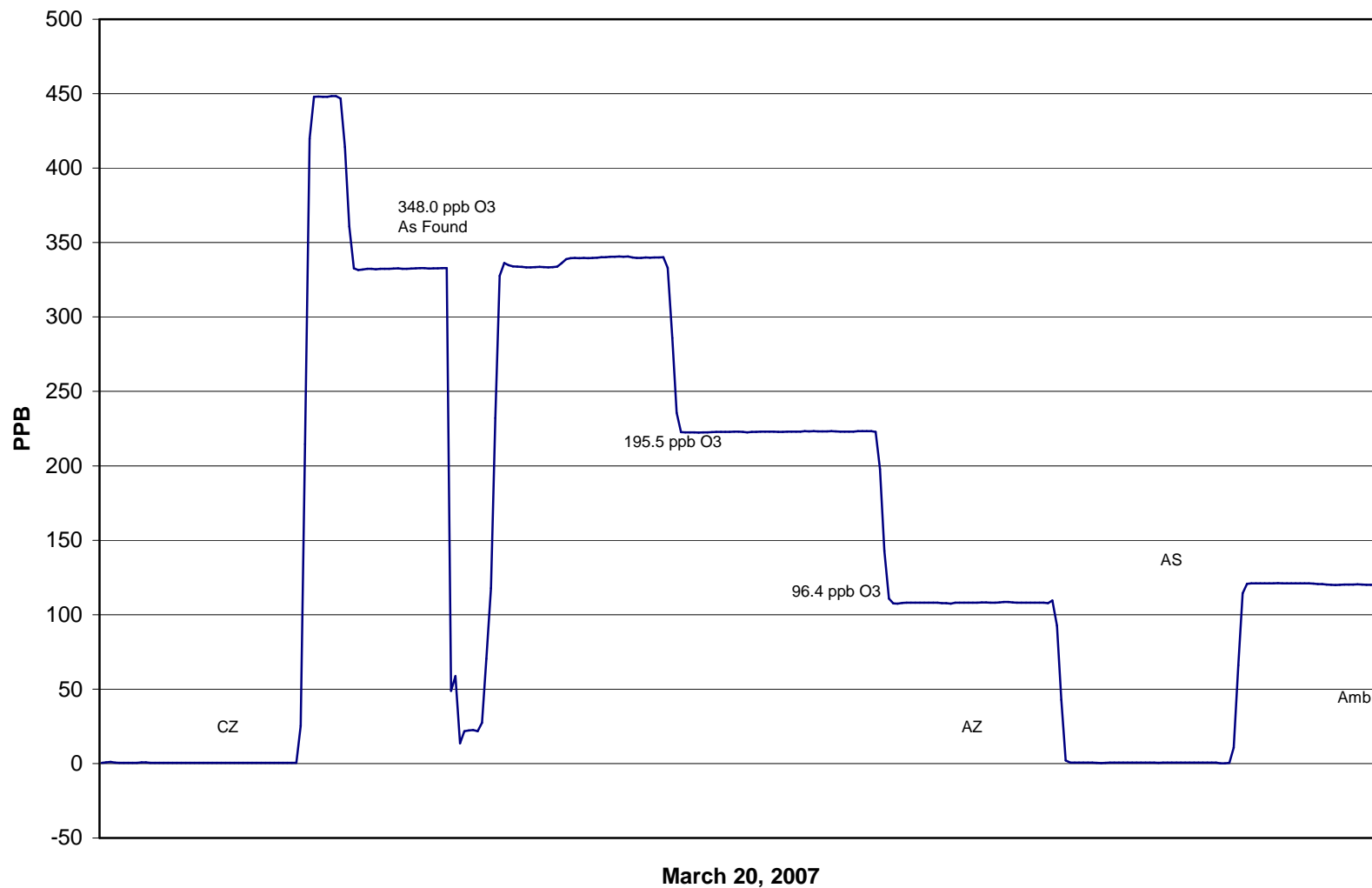
Calibration Date	March 20, 2007	Previous Calibration	February 23, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	14:30	End Time (MST)	16:40
Analyzer make/model	Teco 49C	Analyzer serial #	49C-76443-383

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	NA	Correlation Coefficient	0.989425
348.0	340.1	1.0232		
195.5	223.3	0.8757		
96.4	107.0	0.9009		
			Slope	1.008607
			Intercept	-9.194392



O3 Calibration



Calibration Report



Parameter	SO2
Air Monitoring Network	PASZA

Station Information			
Calibration Date	March 2, 2007		Previous Calibration
Station Number	205		Station Location
Reason:	Routine	x	Install
Start Time (MST)	10:30		End Time (MST)
Barometric Pressure	713.7	mm Hg	Station Temperature
Calibrator	VICI		Serial Number
Perm-tube Conc	2,055	ng/min	Perm-tube Expiry Date
Correction factor	0.961722		Perm-tube Cert #
DACS make	AP1000		DACS serial No.
DACS voltage range	0-10		DACS channel #

Before		After	
Calculated slope		Calculated slope	1.094933
Calculated intercept		Calculated intercept	1.698490

Analyzer			
Analyzer make	TEI 43C		Analyzer serial #
	Before		After

Concentration range	0 - 500	ppb	0 - 500	ppb
SO2 Background	8.1			
So2 Coefficient	1.153			
UV Lamp voltage	756	v		v
Vacuum	685.8	" Hg		" Hg
Sample Flow	492	ccm		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	2137.9	0.0	0.2	N/A
2223	2137.9	366.9	334.4	1.0973
4260	4096.9	191.5	172.7	1.1084
8156	7843.8	100.0	87.8	1.1392
zero	2149.4	0.0	0.4	As Found Zero
2235	2149.4	364.9	339.6	As Found Span
Average Correction Factor				1.1150
Calculated value of As Found Response:	NA	ppm	Percent Change of As Found:	NA

	Before Calibration		After Calibration	
Auto zero		ppm	1.3	ppm
Auto span		ppm	317.8	ppm

Comments
no adjustments made. This was a calibration run with the H2S test.

Calibration Performed By:	L.Reyes
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Calibration Summary	
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Parameter	SO2
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Air Monitoring Network	PASZA
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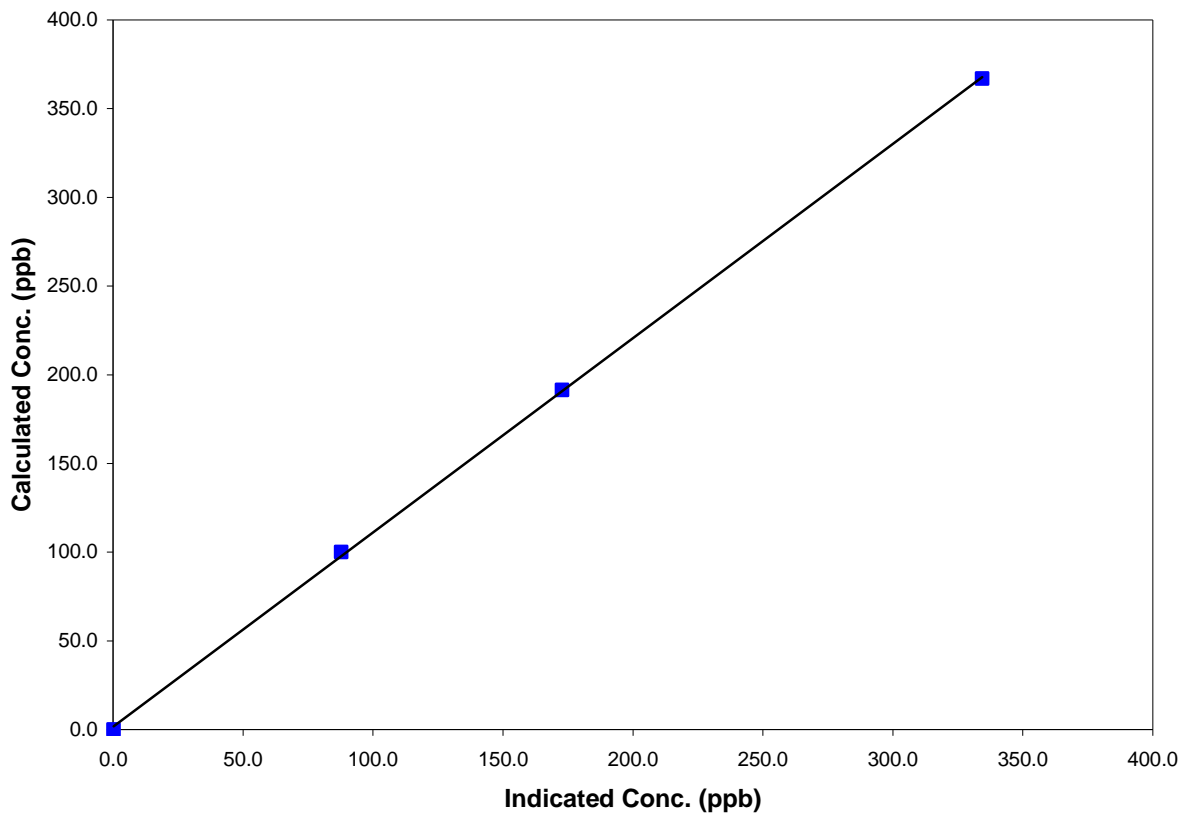
Station Information			
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Calibration Date	March 2, 2007	Previous Calibration	
Station Number	205	Station Location	Falher
Start Time (MST)	10:30	End Time (MST)	14:00
Analyzer make/model	TEI 43C	Analyzer serial #	43C-71218-368

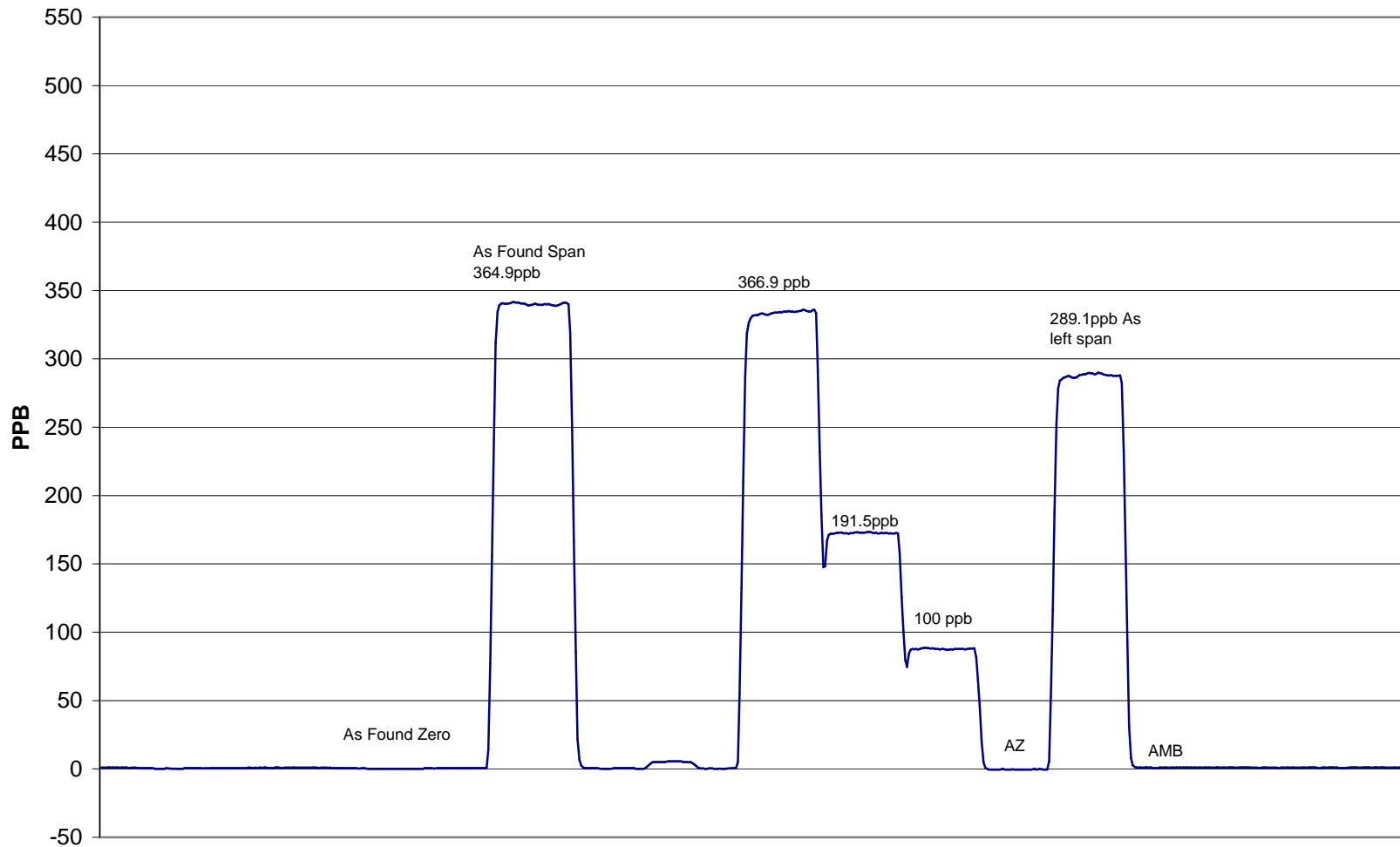
Calibration Data			
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Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.2	N/A		
366.9	334.4	1.0973	Correlation Coefficient	0.999867
191.5	172.7	1.1084		
100.0	87.8	1.1392	Slope	1.094933
			Intercept	1.698490

SO2 Calibration Curve



SO2 Calibration



March 2, 2007

Calibration Report



Parameter TRS
Air Monitoring Network PASZA

Station Information

Calibration Date	<u> March 8, 2007 </u>	Previous Calibration	<u> February 27, 2007 </u>
Station Number	<u> 5 </u>	Station Location	<u> Portable - Falher </u>
Reason:	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
	<input type="checkbox"/> Other: <u> </u>		
Start Time (MST)	<u> 14:03 </u>	End Time (MST)	<u> 18:47 </u>
Barometric Pressure	<u> 27.5 inches Hg </u>	Station Temperature	<u> 20.0 Deg C </u>
Calibrator	<u> VICI Metronics </u>	Serial Number	<u> 111-1695 </u>
Perm-tube Conc	<u> 235 ng/min </u>	Perm-tube Date	<u> 8/8/2006 </u>
Correction factor	<u> 0.934802 </u>	Perm-tube Cert #	<u> T-25214 </u>
DACS make	<u> Focus AP1000 </u>	DACS serial No.	<u> 52662 </u>
DACS voltage range	<u> 0 - 1 volt </u>	DACS channel #	<u> 6 </u>
	<u> Before </u>		<u> After </u>
Calculated slope	<u> 1.085063 </u>	Calculated slope	<u> 1.000529 </u>
Calculated intercept	<u> 0.262632 </u>	Calculated intercept	<u> 0.935223 </u>
Analyzer make	<u> TEI Model 43C APS1AB </u>	Analyzer serial #	<u> 609716238 </u>

	before		after	
Concentration range	0 - 100	ppb	0 - 100	ppb
Background	10.2	ppb	10.5	ppb
coefficient	1.876		1.693	
Lamp Voltage	816	volts	813	volts
Chamber Temp	43.9	Deg C	44	Deg C
Perm Gas Temp	45	Deg C	45	Deg C
Pressure	660.2	mm Hg	656.2	mm Hg
Sample Flow	435	ccm	432	ccm
Lamp Intensity	38,800	mv	38,800	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	2309.0	0.0	-0.8	N/A
2470	2309.0	73.2	72.3	1.0120
5000	4674.0	36.1	35.0	1.0336
9175	8576.8	19.7	18.8	1.0498
zero	2309.0	0.0	0.4	As Found Zero
2470	2309.0	73.2	74.0	As Found Span
Average Correction Factor				1.0318

Calculated value of As Found Response: 80.09 ppm Percent Change of As Found: -9.4%

	before calibration		after calibration	
Auto zero	0.5	ppm	0.2	ppm
Auto span	87.3	ppm	88.6	ppm

Notes: See SR for Feb 27

Calibration Performed By: Dawn Ewan

Calibration Summary

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



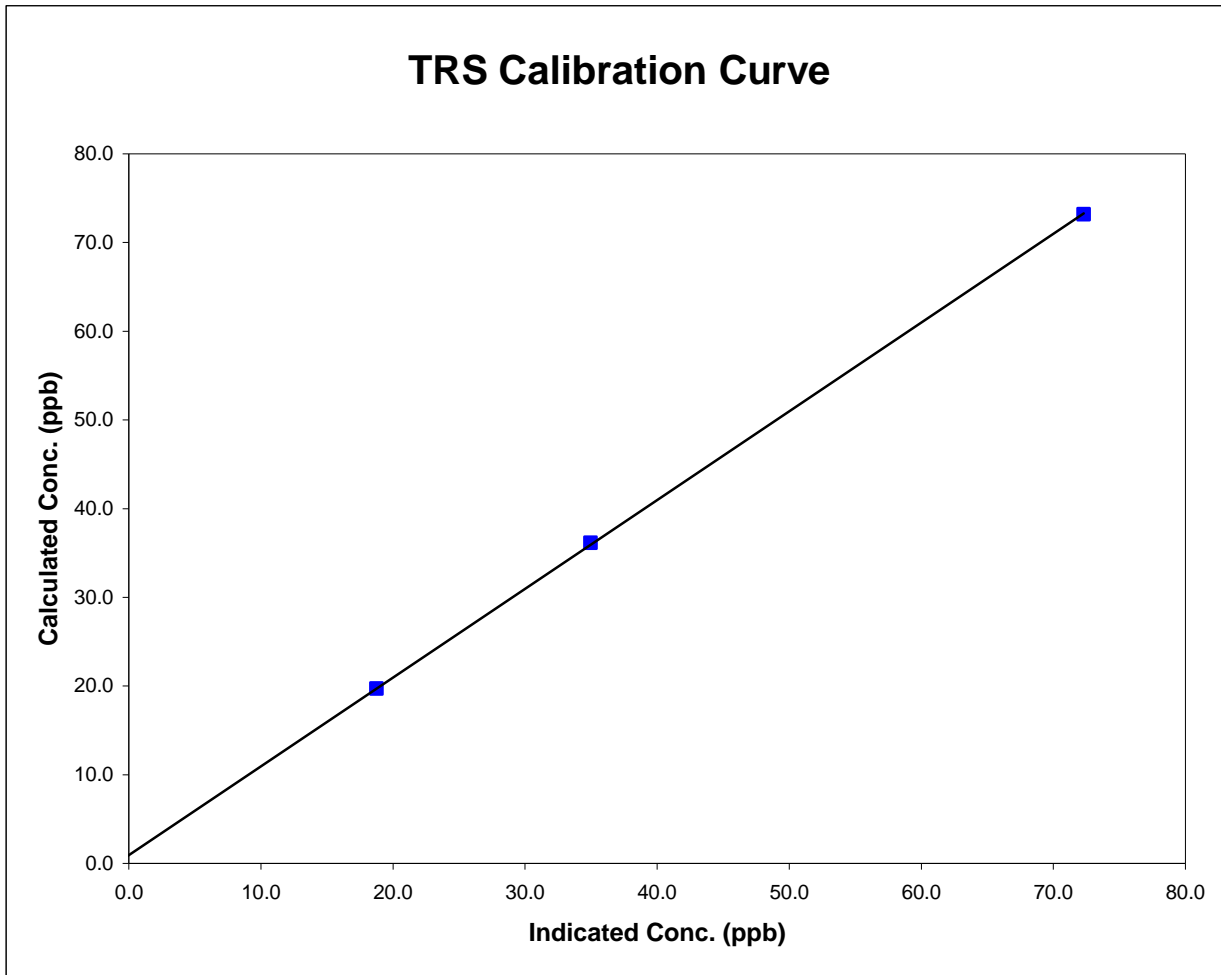
Station Information

Calibration Date	<u> </u> March 8, 2007	Previous Calibration	<u> </u> February 27, 2007
Station Number	<u> </u> 5	Station Location	<u> </u> Portable - Falher
Start Time (MST)	<u> </u> 14:03	End Time (MST)	<u> </u> 18:47
Analyzer make/model	<u> </u> TEI Model 43C APS1AB	Analyzer serial #	<u> </u> 609716238

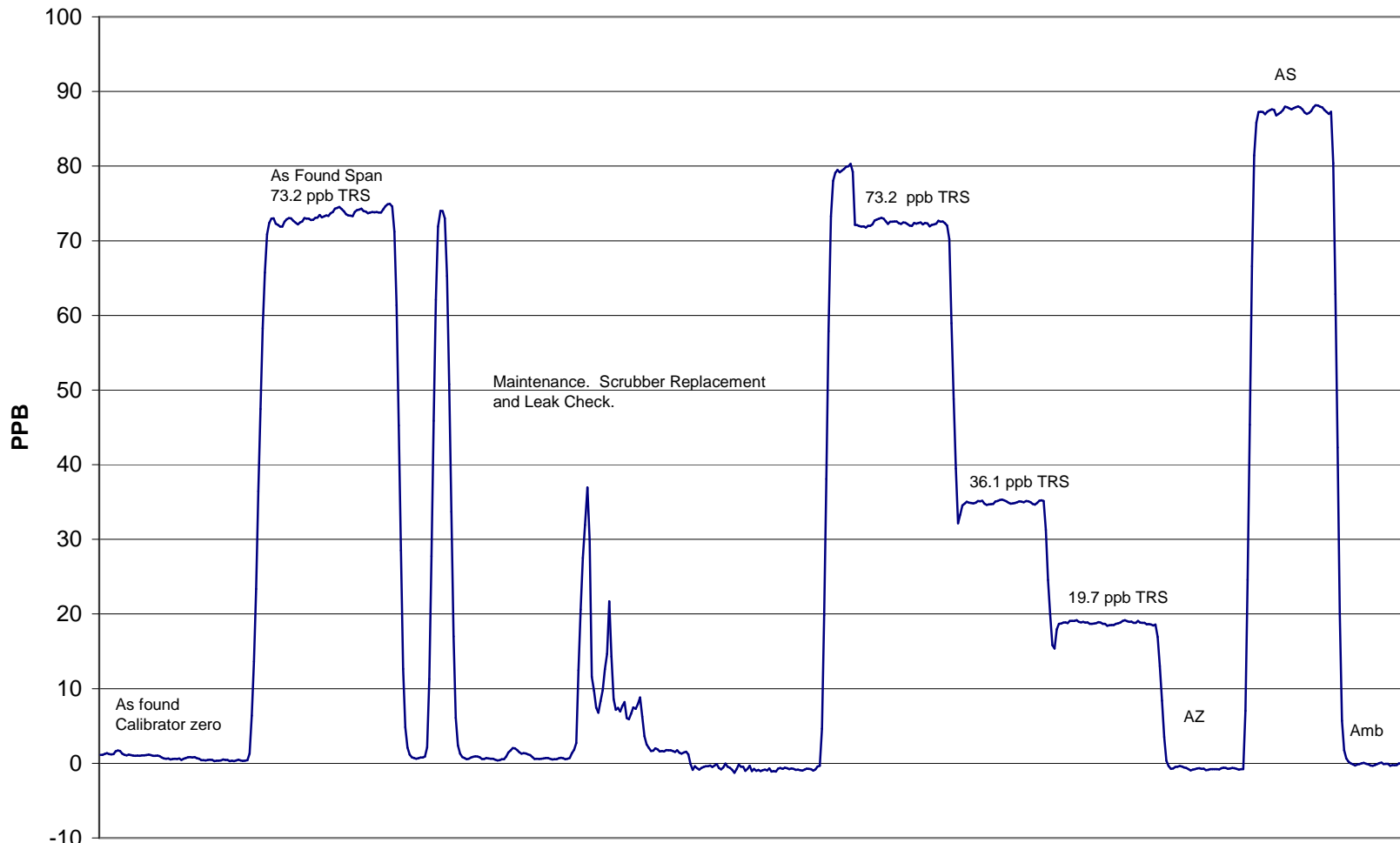
Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.8	N/A		
73.2	72.3	1.0120	Correlation Coefficient	0.999975
36.1	35.0	1.0336		
19.7	18.8	1.0498		
			Slope	1.000529
			Intercept	0.935223

TRS Calibration Curve

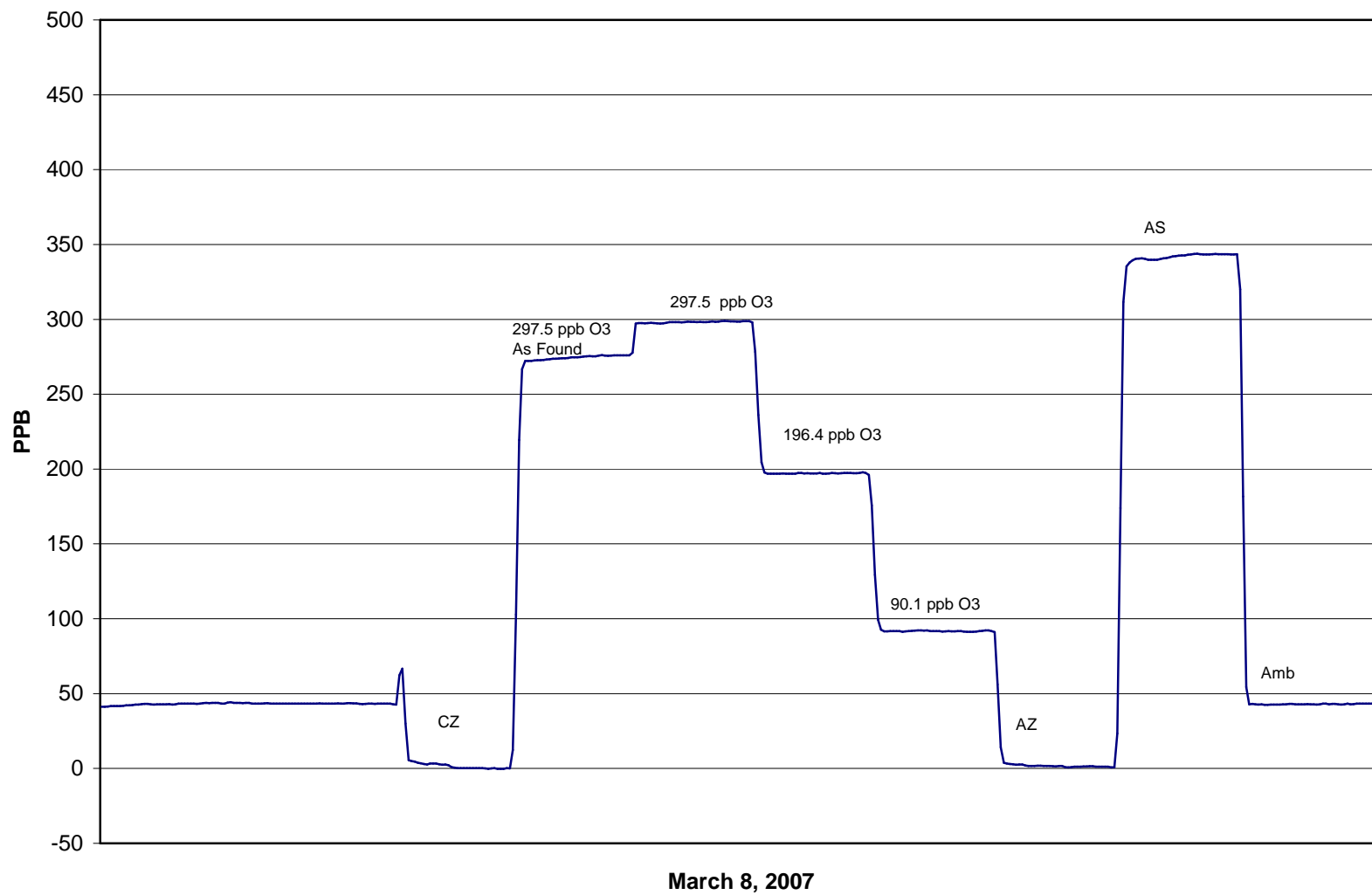


TRS Calibration



March 8, 2007

O3 Calibration



Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	March 28, 2007	Previous Calibration	February 28, 2007
Station Number	5	Station Location	Valleyview
Reason:	<input type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	18:49	End Time (MST)	
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	1.001869	Calculated slope	1.007259
Calculated intercept	1.894205	Calculated intercept	8.476926
Analyzer make	Monitor Labs	Analyzer serial #	332

	before		after	
Concentration range	1000	ppb	1000	ppb
Sample Flow	300	ccm	300	ccm
Span Pot	70		70	
Zero Pot	346		346	
T1	100+	%	100+	%
T2	39	%	39	%
T3	63	%	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	2359.6	0.0	-7.0	N/A
2515	2359.6	314.8	305.2	1.0314
5015	4705.1	157.9	146.5	1.0778
9036	8477.6	87.6	77.9	1.1251
zero	2359.6	0.0	-7.0	As Found Zero
2515	2359.6	314.8	305.2	As Found Span
Average Correction Factor				1.0781

Calculated value of As Found Response: 314.657 ppm Percent Change of As Found: 0.0%

	before calibration		after calibration	
Auto zero	-0.8	ppm	NA	ppm
Auto span	553.5	ppm	NA	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter SO2
Air Monitoring Network PASZA

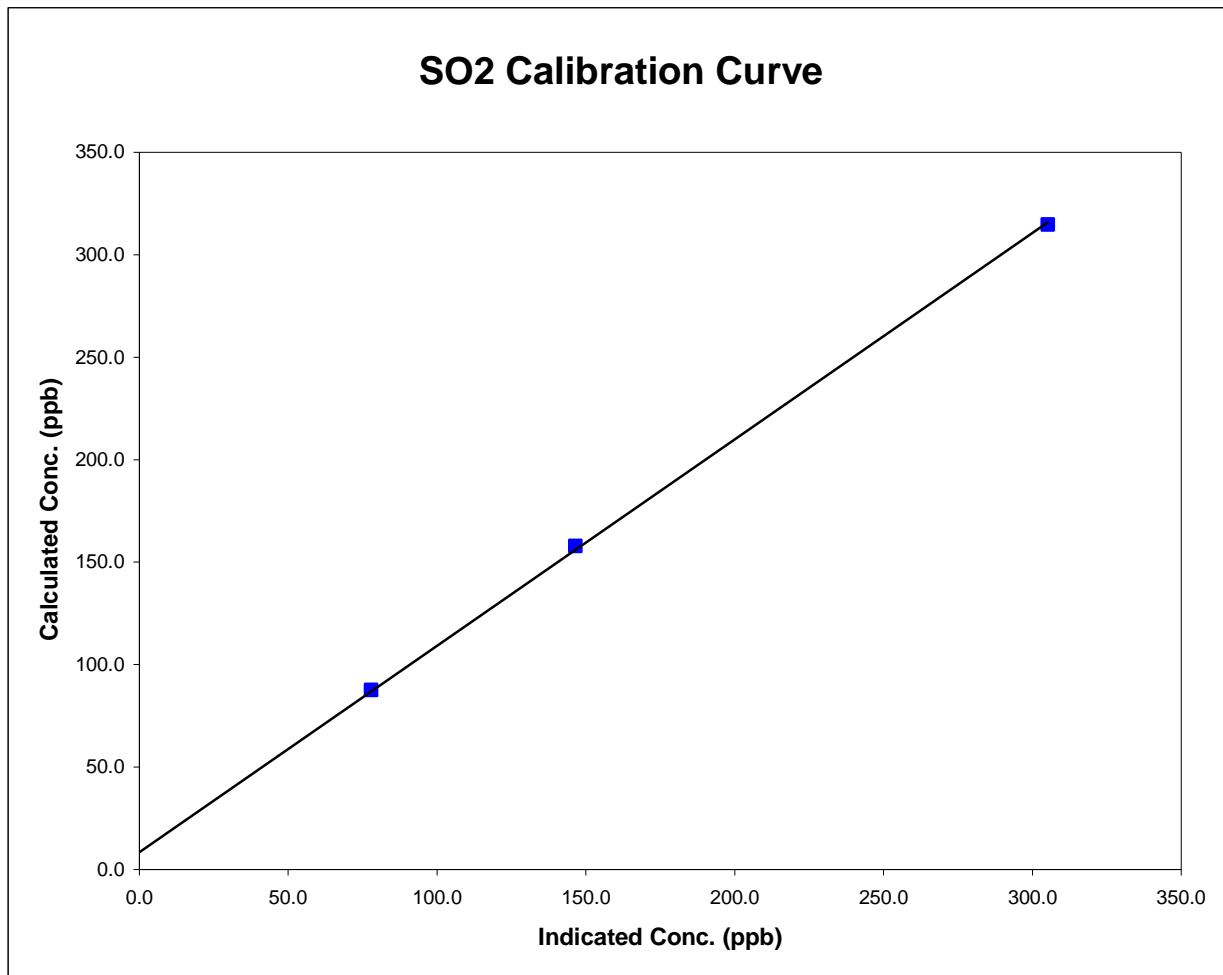


Station Information

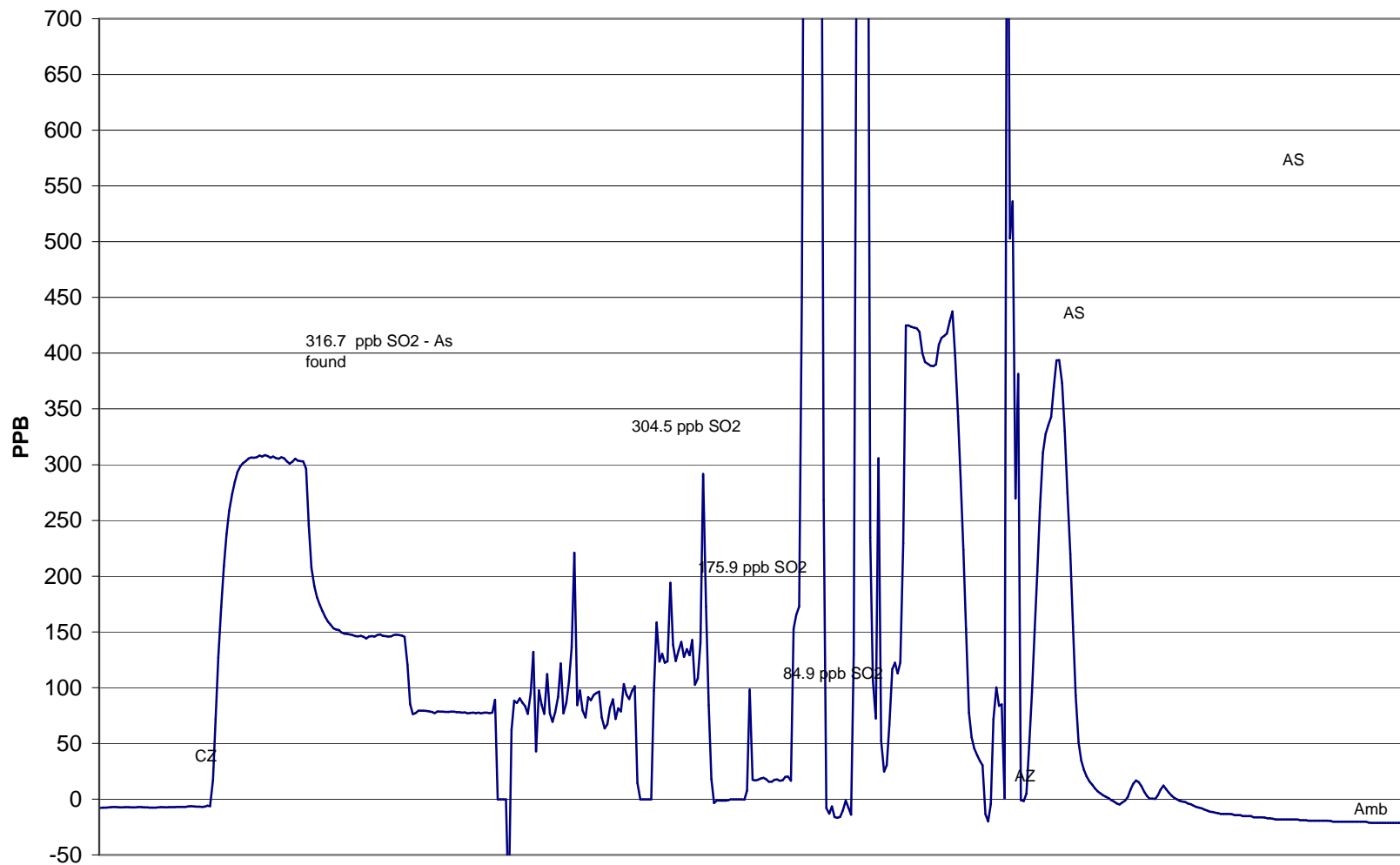
Calibration Date	March 28, 2007	Previous Calibration	February 28, 2007
Station Number	5	Station Location	Valleyview
Start Time (MST)	18:49	End Time (MST)	0:00
Analyzer make/model	Monitor Labs	Analyzer serial #	332

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-7.0	N/A		
314.8	305.2	1.0314	Correlation Coefficient	0.999863
157.9	146.5	1.0778		
87.6	77.9	1.1251	Slope	1.007259
			Intercept	8.476926



SO2 Calibration



March 28, 2007

Calibration Report

Parameter SO₂Air Monitoring Network PASZA

Station Information

Calibration Date	March 28, 2007	Previous Calibration	
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)	8:36	End Time (MST)	10:52
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		Calculated slope	0.988859
Calculated intercept		Calculated intercept	-1.307787
Analyzer make	Teco 43C	Analyzer serial #	43C-57351-313

	before		after	
Concentration range		ppb	1000	ppb
Background coefficient		ppb	27.9	ppb
Lamp Voltage		volts	0.778	volts
Chamber Temp		Deg C	829	Deg C
			31.2	
Pressure		mm Hg	655.8	mm Hg
Sample Flow		ccm	478	ccm
Lamp Intesity		mv	45000	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	2369.0	0.0	0.0	N/A
2525	2369.0	313.6	317.0	0.9891
5120	4803.6	154.6	160.5	0.9635
9130	8565.8	86.7	89.0	0.9743
zero	2369.0	0.0	0.0	As Found Zero
2525	2369.0	313.6	317.0	As Found Span
Average Correction Factor				0.9757

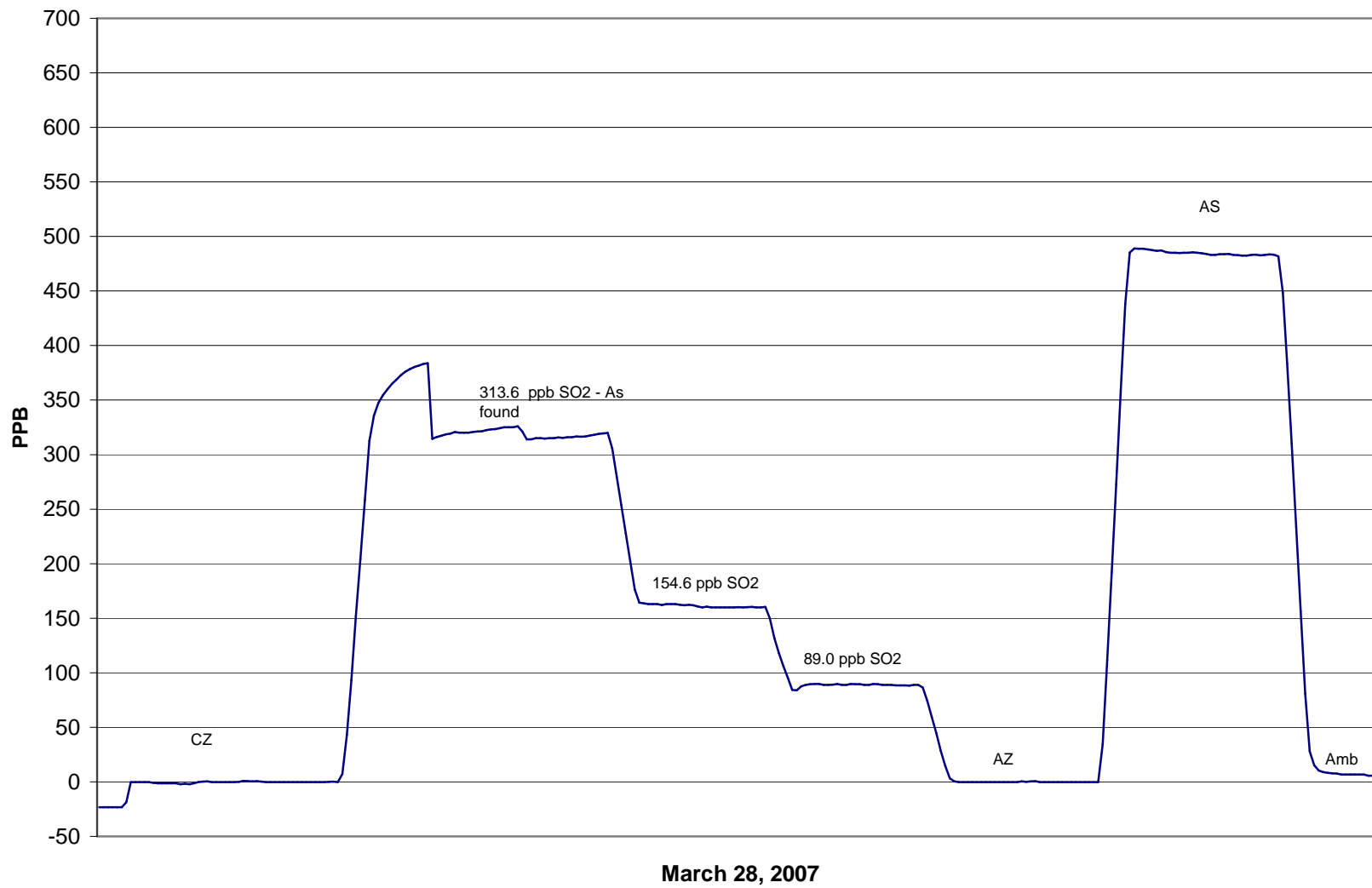
Calculated value of As Found Response: NA

Percent Change of As Found: NA

	before calibration		after calibration	
Auto zero	1.2	ppm	-1.4	ppm
Auto span	618.1	ppm	475.6	ppm

Notes: Install of 43C analyzer as an SO₂.Calibration Performed By: Dawn Ewan

SO2 Calibration



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

Calibration Date	March 28, 2007	Previous Calibration	February 28, 2007
Station Number	5	Station Location	Valleyview
Reason:	<input type="checkbox"/> Routine	<input type="checkbox"/> Install	<input type="checkbox"/> Removal
			<input type="checkbox"/> Other:
Start Time (MST)	18:49	End Time (MST)	
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	0.992221	Calculated slope	0.964648
Calculated intercept	0.623503	Calculated intercept	1.398096
Analyzer make	TECO 43C	Analyzer serial #	45C-57351-313

	before		after	
Concentration range	100	ppb	100	ppb
Background	35.1	ppb	35.1	ppb
coefficient	0.916		0.916	
Lamp Voltage	696	volts	696	volts
Chamber Temp	44.5	Deg C	44.5	Deg C
Pressure	628.5	mm Hg	628.5	mm Hg
Sample Flow	467	ccm	467	ccm
Lamp Intesity	45,200	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	2359.6	0.0	-1.0	N/A
2515	2359.6	71.6	73.1	0.9801
5015	4705.1	35.9	35.5	1.0129
9036	8477.6	19.9	18.8	1.0625
zero	2359.6	0.0	-1.0	As Found Zero
2515	2359.6	71.6	73.1	As Found Span
Average Correction Factor				1.0185

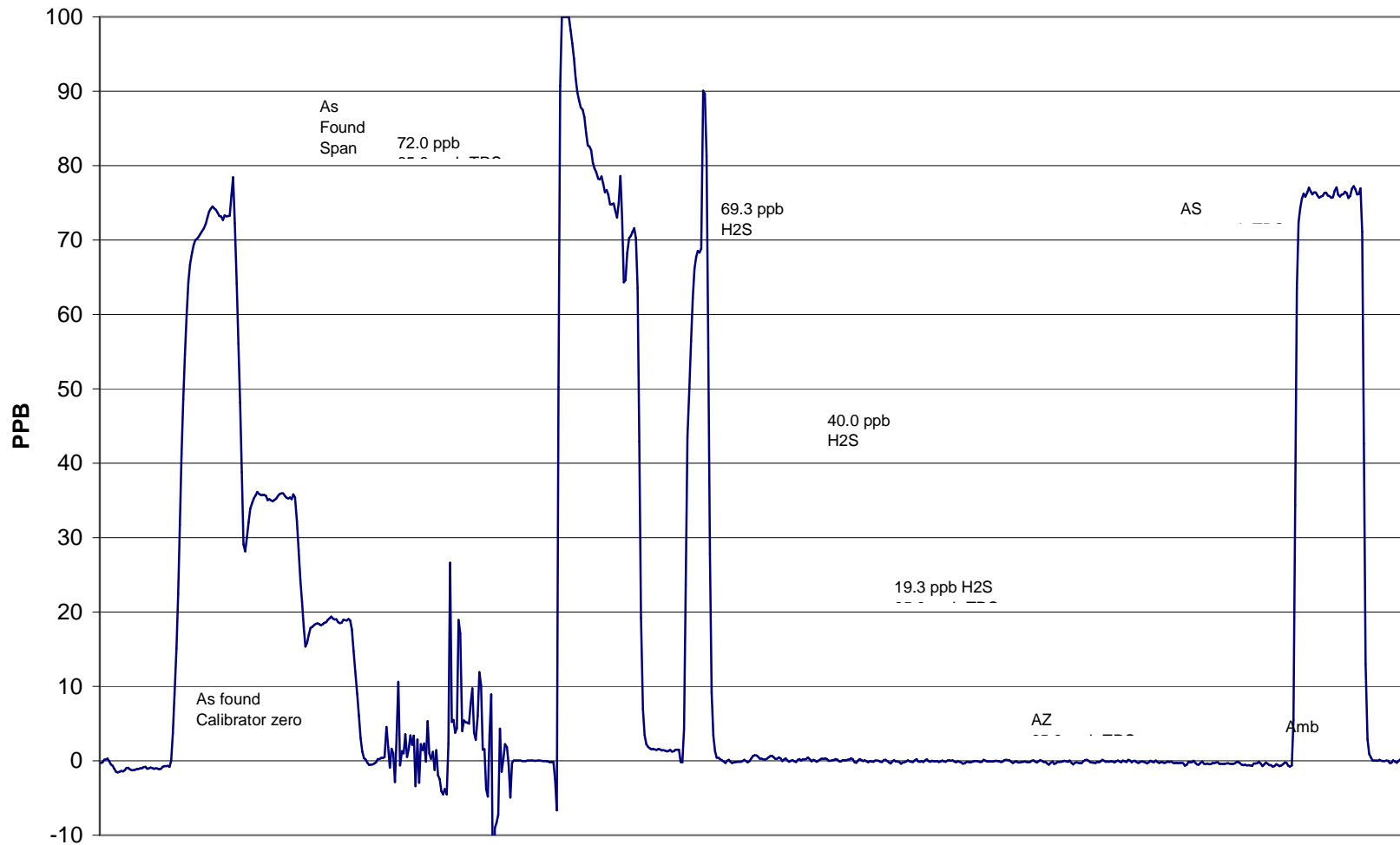
Calculated value of As Found Response: 74.06 ppm Percent Change of As Found: -3.4%

	before calibration		after calibration	
Auto zero	0.1	ppm	NA	ppm
Auto span	73.1	ppm	NA	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

H2S Calibration



Calibration Report

Parameter H2S Air Monitoring Network PASZA 

Station Information

Calibration Date	<u> March 29, 2007 </u>	Previous Calibration	<u> </u>
Station Number	<u> 5 </u>	Station Location	<u> Valleyview </u>
Reason:	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Removal <input type="checkbox"/> Other:
Start Time (MST)	<u> 8:36 </u>	End Time (MST)	<u> 10:52 </u>
Barometric Pressure	<u> 27.60 </u> inches Hg	Station Temperature	<u> 20.0 </u> Deg C
Calibrator	<u> VICI Metronics </u>	Serial Number	<u> 111-1695 </u>
Perm-tube Conc	<u> 235 </u> ng/min	Perm-tube Expiry Date	<u> 8/8/2006 </u>
Correction factor	<u> 0.938202 </u>	Perm-tube Cert #	<u> T-25214 </u>
DACS make	<u> Focus AP1000 </u>	DACS serial No.	<u> 1 </u>
DACS voltage range	<u> 0 - 10 volt </u>	DACS channel #	<u> 9 </u>
	<u> Before </u>		<u> After </u>
Calculated slope	<u> </u>	Calculated slope	<u> 0.992003 </u>
Calculated intercept	<u> </u>	Calculated intercept	<u> 0.263975 </u>
Analyzer make	<u> 43I </u>	Analyzer serial #	<u> 701120010 </u>

	before		after	
Concentration range		ppb	100	ppb
Background coefficient		ppb		ppb
Lamp Voltage		volts	673	volts
Chamber Temp		Deg C	45	Deg C
Perm oven temp			34.8	
Pressure		mm Hg	673	mm Hg
Sample Flow		ccm	450	ccm
Lamp Intesity		%	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	2369.0	0.0	0.0	N/A
2525	2369.0	71.3	71.7	0.9946
5120	4803.6	35.2	35.2	0.9980
9130	8565.8	19.7	19.2	1.0256
zero	2369.0	0.0	0.0	As Found Zero
2525	2369.0	71.3	71.7	As Found Span
Average Correction Factor				1.0061

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

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

Notes: Install of new 43i as TRS analyzer. Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter H2S
 Air Monitoring Network PASZA

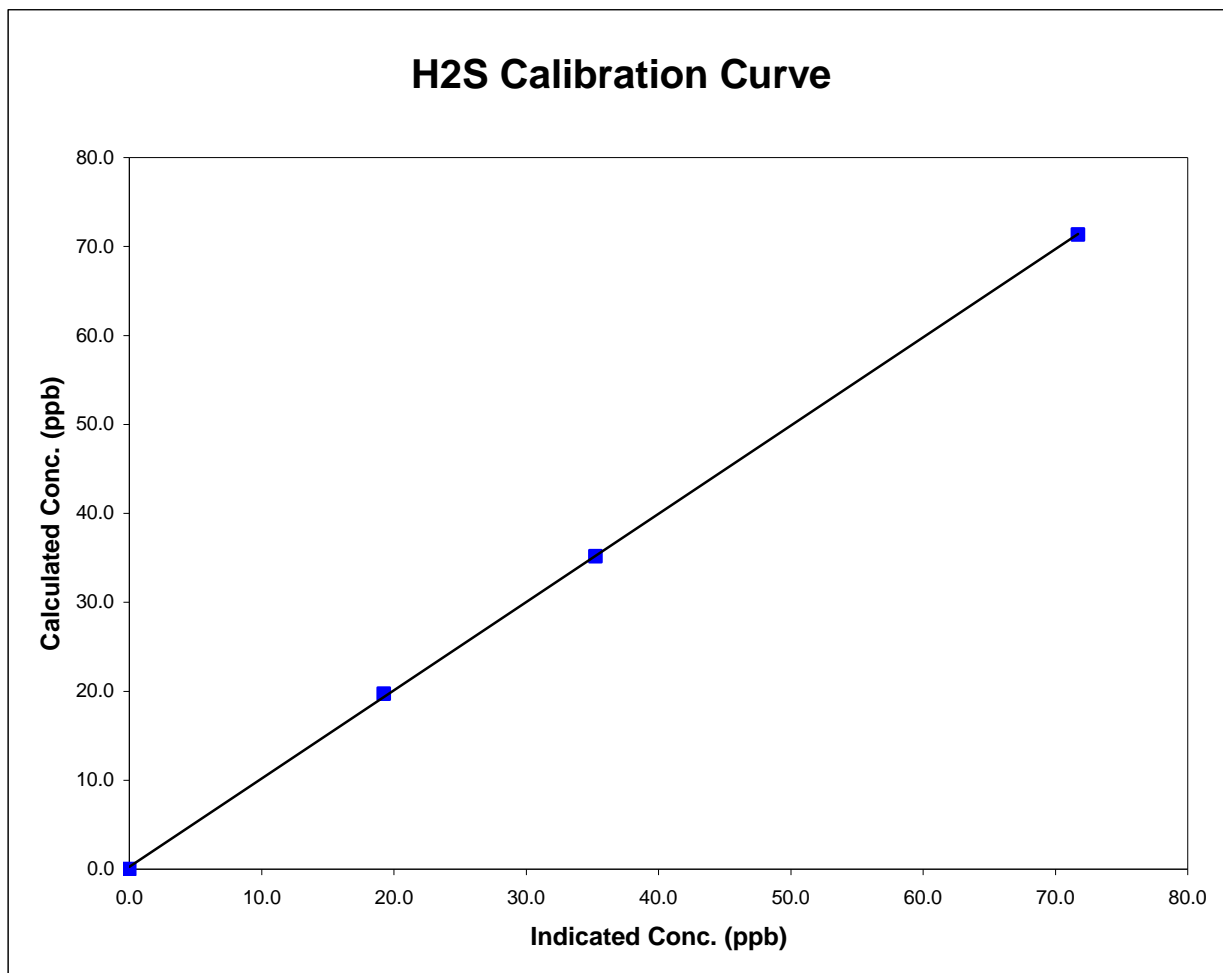


Station Information

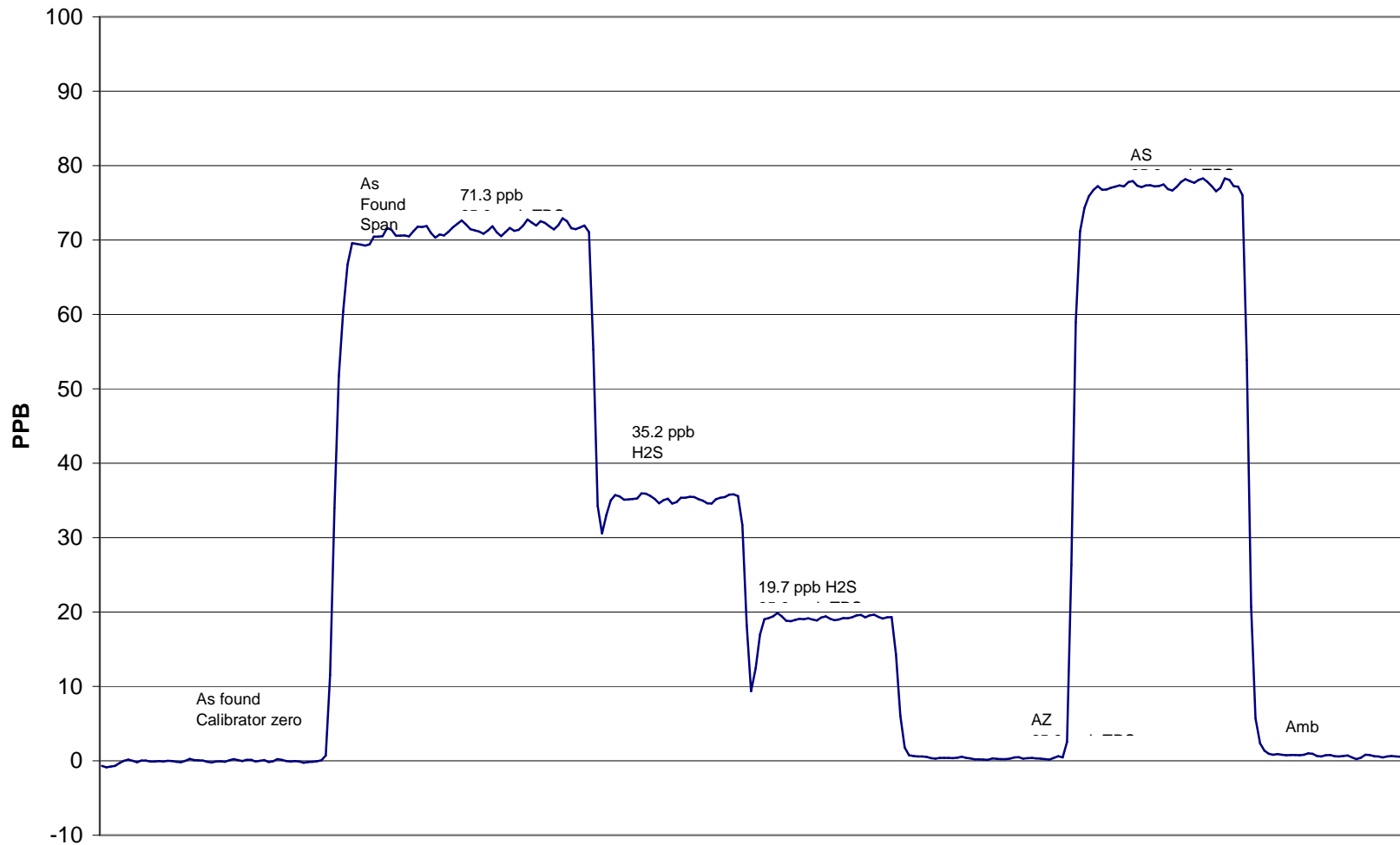
Calibration Date	<u> March 29, 2007 </u>	Previous Calibration	<u> January 0, 1900 </u>
Station Number	<u> 5 </u>	Station Location	<u> Valleyview </u>
Start Time (MST)	<u> 8:36 </u>	End Time (MST)	<u> 10:52 </u>
Analyzer make/model	<u> 43I </u>	Analyzer serial #	<u> 701120010 </u>

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
71.3	71.7	0.9946	Correlation Coefficient	0.999920
35.2	35.2	0.9980		
19.7	19.2	1.0256	Slope	0.992003
			Intercept	0.263975



H2S Calibration



March 29, 2007