



Air Quality Monitoring Network for June 2007

Prepared by
FOCUS
AMBIENT AIR MONITORING

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

Enclosed is the PASZA Ambient Monitoring Network Report for the month of **June 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 the Henry Pirker, Evergreen Park, Smoky Heights, Beaverlodge and Falher stations. However, the Valleyview station had one (1) hourly exceedance of the provincial objectives of H₂S on June 21st.

During the month of June the following events were noted:

An Alberta Environment Audit of the network was conducted June 26th and 27th. For specific questions regarding the audit results contact Michael Bisaga, PASZA Program Manager.

Henry Pirker Station:

- ◆ There were two incidences of elevated readings of PM_{2.5}: June 3rd at 02:00 - 96.9 µg/m³ and June 4th at 23:00 – 81.9 µg/m³.
- ◆ The CO spans dropped on June 20th and 21st due to a drop in cylinder pressure.
- ◆ The THC spans dropped on the June 15th to the 18th due to span cylinder running out. Cylinder replaced on June 18th.
- ◆ One hour of maintenance (cleaning the manifold) was flagged on June 19th for the remainder of analyzers not flagged for calibration.
- ◆ The flame went out on the THC analyzer on June 29th resulting in thirty (30) hours of downtime.
- ◆ A power bump on June 27th resulted in one (1) hour of invalid data for all parameters.
- ◆ Alberta Environment audit was conducted at the station on June 27th.
- ◆ All analyzers / sensors at the Henry Pirker station were above 90% uptime.
- ◆ The AQI for the month resulted in 642 hours of Good readings, 28 hours of Fair readings and 2 hours of Poor readings (due to the above noted PM_{2.5} readings).

Evergreen Park Station:

- ◆ Alberta Environment audit was conducted at the station on June 26th.
- ◆ A minor power bump on June 4th resulted in one (1) hour of invalid data for the TEOM.
- ◆ All analyzers / sensors at the Evergreen Park station were above 90% uptime.

Smoky Heights Station:

- ◆ A major power failure on June 21st resulted in: forty-eight (48) hours of invalid data for temperature, wind speed and wind direction sensors, forty-nine (49) hours of invalid data for the SO₂ and TRS analyzers, and fifty-one (51) hours of invalid data for the TEOM.
- ◆ Alberta Environment audit was conducted at the station on June 27th.
- ◆ All analyzers / sensors at the Smoky Heights station operated at 90% uptime.

Beaverlodge Station:

- ◆ On June 1st the NO_x analyzer had eighteen (18) hours of invalid data due to a degraded O-ring. It was replaced on June 1st.
- ◆ A major power failure on June 11th resulted in twenty-eight (28) hours of invalid data for all parameters (SO₂, NO_x, NO₂, NO, O₃, PM_{2.5}, relative humidity, temperature, wind speed and wind direction).
- ◆ Alberta Environment audit was conducted at the station on June 26th.
- ◆ All analyzers / sensors at the Beaverlodge station were above 90% uptime.
- ◆ The AQI for the month resulted in 603 hours of Good readings and 28 hours of Fair readings.

Portable - Falher Station:

- ◆ Alberta Environment audit was conducted at the station on June 26th
- ◆ On June 14th the wind speed and wind direction sensors had thirty (30) hours of downtime – reason is unknown. This ultrasonic wind sensor was subsequently replaced in July for factory repair.
- ◆ The other remaining analyzers / sensors at the Falher station operated at 100% uptime.

Valleyview Station:

- ◆ On June 17th (23:00-24:00) H₂S indicated a maximum instantaneous reading of 34 ppb, wind direction was from the south with a wind speed of 2 km/hr.
- ◆ On June 21st (20:00-21:00) there was an H₂S exceedence of 12.2 ppb, wind direction was from the NNW with a wind speed of 5 km/hr – AE reference # 188357.
- ◆ A power failure (lightening strike) on June 20th into June 21st resulted in ten (10) hours of invalid data for all parameters.
- ◆ Continued problems with power resulted in an additional thirty-four (34) hours of invalid data for all parameters between June 22nd 07:00 to June 23rd 18:00.
- ◆ Problems with the DACS and the PC (due to the above mentioned power failures) resulted in twenty-two (22) additional hours of downtime on June 21st – 22nd plus an additional eighteen (18) hours on June 29th – 30th flagged as invalid for the relative humidity and temperature sensors.
- ◆ A power failure on June 30th resulted in thirteen (13) hours of invalid data for all parameters.
- ◆ The relative humidity and temperature sensors had less than 90% uptime for the month of June – AE reference # 191330.

Passive Monitoring: 42 Stations throughout the PASZA zone:

There were no outstanding issues from the field notes for the month of June. There were five duplicate sites sampled in the month of June; Boone Creek, Bay Tree, Silver Valley, Forth Creek and Grande Prairie HP. An SO₂ duplicate sample from Grande Prairie I was missing and consequently there was no result for that sample. The passive sample analyses were performed by MAXXAM Analytics Inc.

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

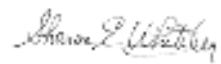
- Monthly average concentrations for SO₂ passives ranged from 0.1 ppb to 0.5 ppb, with a mean of 0.3 ppb.
- Monthly average concentrations for NO₂ passives ranged from 0.1 ppb to 5.1 ppb, with a mean of 1.4 ppb.
- Monthly average concentrations for O₃ passives ranged from 25.4 ppb to 40.2 ppb, with a mean of 33.1 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

PASZA Monthly Continuous Data Summary

Jun-2007 Peace Airshed Zone Association					Maximum Recorded Values								
					1-hr		24-hr / 8-hr		Conc	Day	WSPD (km/hr)	WDIR (Sector)	
Pollutant (units)	Objectives		Station	Monthly Average	Exceedence		1-hr	24-hr					Operational Time (%)
SO ₂ (ppb)	172	57	Henry Pirker	0.1	0	0	3.6	Jun-27 09:00	9.3	SSE	0.6	Jun-27	99.9%
SO ₂ (ppb)	172	57	Evergreen Park	0.3	0	0	7.8	Jun-07 15:00	21.2	W	1.1	Jun-07	100.0%
SO ₂ (ppb)	172	57	Smoky Heights	0.3	0	0	7.0	Jun-18 00:00	12.3	WSW	1.1	Jun-12	93.2%
SO ₂ (ppb)	172	57	Beaverlodge	0.2	0	0	2.5	Jun-01 08:00	5.1	NW	0.9	Jun-04	96.1%
SO ₂ (ppb)	172	57	Portable-Falher	0.2	0	0	1.7	Jun-05 20:00	26.6	E	0.6	Jun-05	100.0%
SO ₂ (ppm)	172	57	Valleyview	0.34	0	0	7.54	Jun-19 06:00	10.9	W	1.01	Jun-12	92.1%
NO (ppb)			Henry Pirker	1.5	-	-	23.4	Jun-01 06:00	6.5	SW	3.6	Jun-01	99.9%
NO ₂ (ppb)	212	106	Henry Pirker	7.3	0	0	27.4	Jun-06 22:00	6.4	ESE	13.6	Jun-01	99.9%
NO _x (ppb)			Henry Pirker	8.7	-	-	48.1	Jun-01 06:00	6.5	SW	17.2	Jun-01	99.9%
NO (ppb)			Beaverlodge	0.2	-	-	3.9	Jun-07 08:00	4.8	SSW	0.7	Jun-20	93.6%
NO ₂ (ppb)	212	106	Beaverlodge	2.3	0	0	8.5	Jun-05 01:00	6.5	WSW	3.7	Jun-02	93.6%
NO _x (ppb)			Beaverlodge	2.5	-	-	10.2	Jun-20 06:00	3.7	SW	3.8	Jun-02	93.6%
NO (ppb)			Portable-Falher	3.4	-	-	51.0	Jun-25 23:00	3.3	ENE	11.0	Jun-26	100.0%
NO ₂ (ppb)	212	106	Portable-Falher	5.4	0	0	24.6	Jun-22 22:00	5.6	S	8.5	Jun-26	100.0%
NO _x (ppb)			Portable-Falher	8.7	-	-	68.8	Jun-25 23:00	3.3	ENE	19.3	Jun-26	100.0%
O ₃ (ppb)	82		Henry Pirker	30.3	0	-	67.1	Jun-04 17:00	18.0	ENE	46.0	Jun-04	99.7%
O ₃ (ppb) - 8-hr		65	Henry Pirker		0						62.5	Jun-04	
O ₃ (ppb)	82		Beaverlodge	30.5	0	-	61.5	Jun-04 15:00	20.6	ESE	46.0	Jun-04	96.1%
O ₃ (ppb) - 8-hr		65	Beaverlodge		0						59.1	Jun-04	
O ₃ (ppb)	82		Portable-Falher	25.1	0	-	52.7	Jun-01 13:00	9.8	NNE	36.8	Jun-04	100.0%
O ₃ (ppb) - 8-hr		65	Portable-Falher		0						52.0	Jun-01	
CO (ppm)	13		Henry Pirker	0.20	0	-	0.5	Jun-15 13:00	11.5	NE	0.3	Jun-05	99.7%
CO (ppm) - 8-hr		5	Henry Pirker		0						0.4	Jun-06	
THC (ppm)			Henry Pirker	2.06	-	-	2.8	Jun-02 06:00	6.8	SSW	2.2	Jun-02	95.7%
TRS (ppb)			Henry Pirker	0.3	-	-	3.8	Jun-02 05:00	4.7	NNW	0.7	Jun-02	99.9%
TRS (ppb)			Evergreen Park	0.6	-	-	2.0	Jun-07 15:00	21.2	W	0.9	Jun-05	100.0%
TRS (ppb)			Smoky Heights	0.6	-	-	2.9	Jun-07 03:00	3.1	WSW	0.9	Jun-07	93.2%
TRS (ppb)			Portable-Falher	0.7	-	-	2.7	Jun-07 05:00	4.6	S	0.8	Jun-18	100.0%
H ₂ S (ppb)	10	3	Valleyview	0.1	1	0	12.2	Jun-21 20:00	5.0	NNW	0.3	Jun-29	92.1%
PM _{2.5} (µg/m ³)		30 ^a	Henry Pirker	5.7	0	0	96.9	Jun-03 01:00	5.6	NE	18.4	Jun-04	98.9%
PM _{2.5} (µg/m ³)		30 ^a	Evergreen Park	5.7	0	0	63.9	Jun-01 00:00	2.7	SW	15.0	Jun-01	98.8%
PM _{2.5} (µg/m ³)		30 ^a	Smoky Heights	5.2	0	0	78.8	Jun-04 02:00	8.8	NNE	19.2	Jun-05	91.9%
PM _{2.5} (µg/m ³)		30 ^a	Beaverlodge	6.2	0	0	72.5	Jun-03 06:00	4.4	SSW	19.1	Jun-02	92.8%

PASZA Monthly Continuous Data Summary - continued

Jun-2007	Peace Airshed Zone Association					Maximum Recorded Values						
						1-hr			24-hr / 8-hr			
RH (%)		Henry Pirker	60.0	-	-	-	-	-	-	-	-	99.9%
RH (%)		Beaverlodge	57.4	-	-	-	-	-	-	-	-	96.1%
RH (%)		Portable-Falher	62.3	-	-	-	-	-	-	-	-	100.0%
RH (%)		Valleyview	65.8	-	-	-	-	-	-	-	-	86.5%
SR (W/m ²)		Henry Pirker	139.3	-	-	-	-	-	-	-	-	99.9%
Temp (°C)		Henry Pirker	15.7	-	-	-	-	-	-	-	-	99.9%
Temp (°C)		Evergreen Park	15.0	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Smoky Heights	15.1	-	-	-	-	-	-	-	-	93.3%
Temp (°C)		Beaverlodge	15.2	-	-	-	-	-	-	-	-	96.1%
Temp (°C)		Portable-Falher	15.5	-	-	-	-	-	-	-	-	100.0%
Temp (°C)		Valleyview	15.3	-	-	-	-	-	-	-	-	86.5%
WSPD v (km/hr)		Henry Pirker	11.2	-	-	42.3	Jun-30 13:00	42.3	WSW	24.1	Jun-30	99.9%
WSPD v (km/hr)		Evergreen Park	7.4	-	-	32.2	Jun-30 13:00	32.2	W	17.8	Jun-30	100.0%
WSPD v (km/hr)		Smoky Heights	10.5	-	-	38.4	Jun-30 17:00	38.4	WSW	26.5	Jun-30	93.3%
WSPD v (km/hr)		Beaverlodge	8.9	-	-	40.0	Jun-30 15:00	40.0	W	22.6	Jun-30	96.1%
WSPD v (km/hr)		Portable-Falher	11.7	-	-	32.8	Jun-04 17:00	32.8	ESE	24.6	Jun-04	95.8%
WSPD v (km/hr)		Valleyview	5.6	-	-	20.2	Jun-23 17:00	20.2	NW	8.9	Jun-08	92.1%
WSPD s (km/hr)		Henry Pirker	12.2	-	-	42.5	Jun-30 13:00	42.5	WSW	24.6	Jun-30	99.9%
WSPD s (km/hr)		Evergreen Park	8.2	-	-	32.6	Jun-30 13:00	32.6	W	18.1	Jun-30	100.0%
WSPD s (km/hr)		Smoky Heights	11.2	-	-	38.5	Jun-30 17:00	38.5	WSW	26.9	Jun-30	93.3%
WSPD s (km/hr)		Beaverlodge	9.5	-	-	40.1	Jun-30 15:00	40.1	W	22.9	Jun-30	96.1%
WSPD s (km/hr)		Portable-Falher	12.3	-	-	33.1	Jun-04 17:00	33.1	ESE	24.8	Jun-04	95.8%
WSPD s (km/hr)		Valleyview	6.1	-	-	21.6	Jun-23 17:00	21.6	NW	9.7	Jun-08	92.1%
WDIR		Henry Pirker	WSW	-	-	-	-	-	-	-	-	99.9%
WDIR		Evergreen Park	W	-	-	-	-	-	-	-	-	100.0%
WDIR		Smoky Heights	WNW	-	-	-	-	-	-	-	-	93.3%
WDIR		Beaverlodge	W	-	-	-	-	-	-	-	-	96.1%
WDIR		Portable-Falher	ESE	-	-	-	-	-	-	-	-	95.8%
WDIR		Valleyview	NW	-	-	-	-	-	-	-	-	92.1%

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

Continuous Network Equipment Summary

PASZA – Henry Pirker Station

General Station Issues

Routine calibrations were performed on: June 7th (CO), June 11th (NO_x), June 12th (NO_x and O₃) and on June 19th (THC, TRS, O₃, SO₂ and TEOM). On June 19th maintenance activity (cleaned manifold) resulted in one (1) hour of invalid data for all CO, NO_x and O₃ analyzers. On June 27th a power bump resulted in one (1) hour of invalid data for all parameters. An Alberta Environment audit was conducted at the station on June 27th.

Parameter	Make	Model	Notes
SO ₂	TECO	43	Power bump on June 27 th resulted in one (1) hour of invalid data.
NOx/NO/NO ₂	TECO	42C	Two calibrations were performed due to pump rebuild. Power bump on June 27 th resulted in one (1) hour of invalid data.
O ₃	API	400	Power bump on June 27 th resulted in one (1) hour of invalid data.
CO	TECO	48C	Regulator pressure caused the spans to drop on June 20 th and 21 st - pressure was increased. Power bump on June 27 th resulted in one (1) hour of invalid data.
THC	TEI	51-CLT	THC spans dropped from June 15 th to the 18 th – span cylinder ran out. Flame went out on June 29 th resulting in thirty (30) hours of invalid data. Power bump on June 27 th resulted in one (1) hour of invalid data.
TRS	TEI	42C	Power bump on June 27 th resulted in one (1) hour of invalid data.
PM _{2.5}	R&P	1400AB	Six (6) hours were removed due to excessive baseline drift. Two power bumps (June 27 th and 29 th) resulted in two (2) hours of invalid data.
RH	Met One	083D	Power bump on June 27 th resulted in one (1) hour of invalid data.
AT	Met One	083D	Power bump on June 27 th resulted in one (1) hour of invalid data.
SR	Met One	096-1	Power bump on June 27 th resulted in one (1) hour of invalid data.
WS	Met One	010C	Power bump on June 27 th resulted in one (1) hour of invalid data.
WD	Met One	020C	Power bump on June 27 th resulted in one (1) hour of invalid data.

PASZA – Evergreen Park Station

General Station Issues

Calibrations were performed on June 21st (SO₂, TRS). An Alberta Environment audit was conducted at the station on June 26th.

Parameter	Make	Model	Notes
SO ₂	API	100	No operational issues observed.
TRS	TEI	42C	No operational issues observed.
PM _{2.5}	R&P	1400AB	Seven (7) hours were removed due to excessive baseline drift. One power bump (June 4 th) resulted in one (1) hour of invalid data.
AT	Met One	083D	No operational issues observed.
WS	Met One	010C	No operational issues observed.
WD	Met One	020C	No operational issues observed.

PASZA – Smoky Heights Station

General Station Issues

Calibrations were performed on June 23rd (SO₂, TRS and TEOM). An Alberta Environment audit was conducted at the station on June 27th.

Parameter	Make	Model	Notes
SO ₂	API	100A	A power failure on June 21 st resulted in forty-nine (49) hours of invalid data.
TRS	TEI	42C	A power failure on June 21 st resulted in forty-nine (49) hours of invalid data.
PM _{2.5}	R&P	1400AB	A power failure on June 21 st resulted in fifty-one (51) hours of invalid data for the TEOM. Five (5) hours were removed due to excessive baseline drift. Two power bumps (June 5th and June 14th) resulted in another two (2) hour of invalid data.
AT	Met One	083D	A power failure on June 21 st resulted in: forty-eight (48) hours of invalid data.
WS	Met One	010C	A power failure on June 21 st resulted in: forty-eight (48) hours of invalid data.
WD	Met One	020C	A power failure on June 21 st resulted in: forty-eight (48) hours of invalid data.

PASZA – Beaverlodge Station

General Station Issues

Calibrations were performed on June 4th (NO_x), June 5th (SO₂, O₃ and TEOM) and June 28th (a second SO₂ calibration). An Alberta Environment audit was conducted at the station on June 26th.

Parameter	Make	Model	Notes
SO ₂	TECO	43CTL	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.
NOx/NO/NO ₂	TECO	42C	On June 31 st the NO _x analyzer had eighteen (18) hours of invalid data due a degraded O-ring. It was replaced on July 1 st . A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.
O ₃	API	400	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.
PM _{2.5}	R&P	1400AB	Twenty-one (21) hours were removed due to excessive baseline drift. A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data. Two power bumps (June 5th and June 121 st) resulted in another two (2) hour of invalid data.
AT	n/a	n/a	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.
RH	n/a	n/a	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.
WS	Blue Sky	857	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data..
WD	Blue Sky	857	A power failure on June 11 th resulted in twenty-eight (28) hours of invalid data.

PASZA – Falher (Portable) Station

General Station Issues

Calibrations were performed on June 18th (SO₂, TRS, O₃ and NO_X). An Alberta Environment audit was conducted at the station on June 26th.

Parameter	Make	Model	Notes
SO ₂	TEI	43C	No operational problems observed.
NOx/NO/NO ₂	TECO	43C	No operational problems observed.
TRS	TEI	43C	No operational problems observed.
O ₃	TEI	49C	No operational problems observed.
AT	Gill Met Pak 3		No operational problems observed.
RH	Gill Met Pak 3		No operational problems observed.
WS	Gill Met Pak 3		On June 14 th the wind speed and wind direction sensors had thirty (30) hours of downtime – reason is unknown.
WD	Gill Met Pak 3		On June 14 th the wind speed and wind direction sensors had thirty (30) hours of downtime – reason is unknown.

PASZA – Valleyview Station

General Station Issues

Calibrations were performed on June 20th for SO₂ and H₂S. An Alberta Environment audit was conducted at the station on June 26th.

Parameter	Make	Model	Notes
SO ₂	ML	332	A total of fifty-seven (57) hours of invalid data throughout month of June due to power failures and DACS / computer issues).
H ₂ S	TEI	43C	A total of fifty-seven (57) hours of invalid data throughout month of June due to power failures and DACS / computer issues. On June 21 st (20:00-21:00 hour) there was an H ₂ S exceedence of 12 ppb – AE reference # 188357.
AT	Gill Met Pak 3		A total of ninety-seven (97) hours of invalid data throughout month of June due to power failures and DACS / computer issues) – AE reference # 191330.
RH	Gill Met Pak 3		A total of ninety-seven (97) hours of invalid data throughout month of June due to power failures and DACS / computer issues) – AE reference # 191330.
WS	Gill Met Pak 3		A total of fifty-seven (57) hours of invalid data throughout month of June due to power failures and DACS / computer issues).
WD	Gill Met Pak 3		A total of fifty-seven (57) hours of invalid data throughout month of June due to power failures and DACS / computer issues).

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: June 1, 2007 to July 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:	642
Number of 1-hr Fair Readings:	28
Number of 1-hr Poor Readings:	2
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00
1-Jun-07	13	10	12	7	10	9	12	14	15	13	23	30	30	29	N	27	25	24	24	23	21	18	12	15
2-Jun-07	23	16	14	15	13	14	19	17	17	16	24	25	27	N	28	28	27	27	24	22	22	21	21	
3-Jun-07	20	58	20	10	11	14	16	20	23	25	26	25	N	25	25	26	27	26	25	25	21	21	20	
4-Jun-07	19	18	18	17	24	16	16	18	20	23	28	N	32	34	34	35	38	39	35	28	22	23	51	15
5-Jun-07	14	14	15	14	12	11	11	11	11	9	N	15	15	15	15	15	16	15	15	17	22	24	27	37
6-Jun-07	39	17	15	N	17	17	16	15	14	N	19	21	21	22	23	23	23	24	23	19	12	14	16	
7-Jun-07	19	13	12	9	8	11	10	13	N	12	18	21	22	21	19	18	15	15	13	13	12	12	14	14
8-Jun-07	13	12	12	12	13	N	11	12	14	16	18	19	19	19	20	20	20	20	19	17	16	20	18	
9-Jun-07	17	17	13	13	N	11	13	14	16	18	19	21	21	22	21	21	21	20	18	18	19	17	21	21
10-Jun-07	20	19	19	N	17	15	13	13	12	15	18	N	20	18	N	22	22	22	20	19	17	17	15	18
11-Jun-07	18	16	N	13	12	10	11	N	15	17	18	19	20	21	21	21	21	19	17	14	16	16	15	
12-Jun-07	15	15	15	14	14	N	12	13	12	13	14	14	N	3	1	13	13	12	12	12	13	13	11	11
13-Jun-07	11	9	10	9	9	N	7	8	11	13	15	16	16	16	17	15	15	15	15	14	13	10	11	10
14-Jun-07	10	10	9	9	N	5	6	7	8	11	14	16	17	17	17	17	18	18	18	17	17	15	13	10
15-Jun-07	8	7	7	N	6	7	9	8	11	15	17	18	18	17	18	18	18	18	17	14	15	14	13	10
16-Jun-07	8	7	N	9	10	8	10	11	11	12	13	15	15	15	14	15	15	15	15	15	15	12	8	5
17-Jun-07	5	N	5	6	6	5	6	7	8	12	15	17	17	N	18	19	19	18	16	16	16	27	10	6
18-Jun-07	N	9	7	6	7	7	7	10	13	14	17	18	17	17	14	N	14	14	15	15	14	12	12	N
19-Jun-07	10	10	10	10	9	7	8	7	12	13	N	N	N	N	17	17	15	16	18	14	15	13	12	13
20-Jun-07	13	12	11	10	8	N	8	6	8	8	11	13	15	17	17	17	18	18	17	16	15	13	13	11
21-Jun-07	11	11	11	10	N	9	10	9	11	14	15	16	19	20	20	20	20	20	19	17	15	15	15	11
22-Jun-07	13	10	9	6	5	N	7	9	13	16	17	21	23	20	19	23	24	24	24	24	22	19	19	18
23-Jun-07	16	15	14	12	N	13	13	15	17	18	17	17	17	17	17	17	17	17	17	16	15	14	13	13
24-Jun-07	12	12	9	N	8	9	12	13	15	16	16	18	19	19	19	20	18	14	17	16	16	14	9	8
25-Jun-07	8	6	N	8	9	6	6	8	10	11	14	16	17	18	18	18	17	17	16	16	15	13	14	12
26-Jun-07	11	N	9	8	8	7	9	12	13	16	17	18	18	18	19	19	19	20	20	19	17	15	15	15
27-Jun-07	N	16	15	14	12	11	12	N	N	N	N	N	N	22	24	24	24	21	20	20	20	21	19	17
28-Jun-07	19	18	17	14	13	N	13	16	16	16	18	19	20	20	20	20	20	13	13	13	19	16	15	13
29-Jun-07	17	14	11	10	N	6	7	10	14	17	20	20	21	21	21	21	16	17	N	18	18	17	17	17
30-Jun-07	17	15	15	N	13	11	9	10	11	12	13	13	14	14	13	13	14	14	13	13	14	14	12	13

PASZA - Henry Pirker - Sulphur Dioxide Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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:	3.6 ppb 27-Jun 9:00 10:00
Maximum 24-hr Average:	0.6 ppb 27-Jun

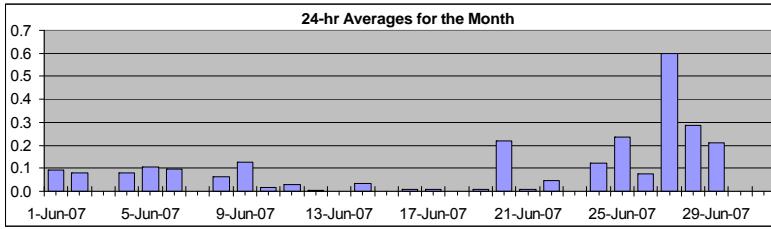
AIC Time:	31 hrs	Operational Time:	682 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%						
Percentile	99 1.1	95 0.5	75 0.0	50 0.0	25 0.0	5 0.0	1 0.0	Average 0.1 ppb	Median 0.0 ppb

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start 0:00 1:00	1:00 2:00 3:00	2:00 3:00 4:00	3:00 4:00 5:00	4:00 5:00 6:00	5:00 6:00 7:00	6:00 7:00 8:00	7:00 8:00 9:00	8:00 9:00 10:00	9:00 10:00 11:00	10:00 11:00 12:00	11:00 12:00 13:00	12:00 13:00 14:00	13:00 14:00 15:00	14:00 15:00 16:00	15:00 16:00 17:00	16:00 17:00 18:00	17:00 18:00 19:00	18:00 19:00 20:00	19:00 20:00 21:00	20:00 21:00 22:00	21:00 22:00 23:00	22:00 23:00 0:00			
1-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.5
2-Jun-07	0	0	0	0	0	0	0	0	0	0	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	1.1
3-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.0	0.0
4-Jun-07	0	0	0	0	0	0	0	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9	
5-Jun-07	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7	
6-Jun-07	1	1	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.1	
7-Jun-07	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
8-Jun-07	0	0	0	0	0	A	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6	
9-Jun-07	0	0	1	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9	
10-Jun-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	
11-Jun-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	0.4	
12-Jun-07	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
13-Jun-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	
14-Jun-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	0.4	
15-Jun-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	
16-Jun-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
17-Jun-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	
18-Jun-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	
19-Jun-07	0	0	0	0	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
20-Jun-07	0	0	0	0	A	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.4	
21-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	
22-Jun-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	0.5	
23-Jun-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	
24-Jun-07	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.3	
25-Jun-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	0	0.2	
26-Jun-07	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	
27-Jun-07	A	0	0	0	1	1	1	1	P	2	4	C	C	C	0	0	0	0	0	0	1	1	0	0	0.6	3.6
28-Jun-07	0	0	0	0	0	A	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.3	0.9
29-Jun-07	0	1	1	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.2	
30-Jun-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	

Hourly Avg	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Hourly Max	0.6	1.2	1.0	0.9	0.5	0.9	0.6	1.3	2.0	3.6	1.1	0.9	0.7	0.5	0.5	0.7	0.5	0.6	0.9	1.1	1.9	0.4	0.6	0.7	

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)



Status Flag Characters

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

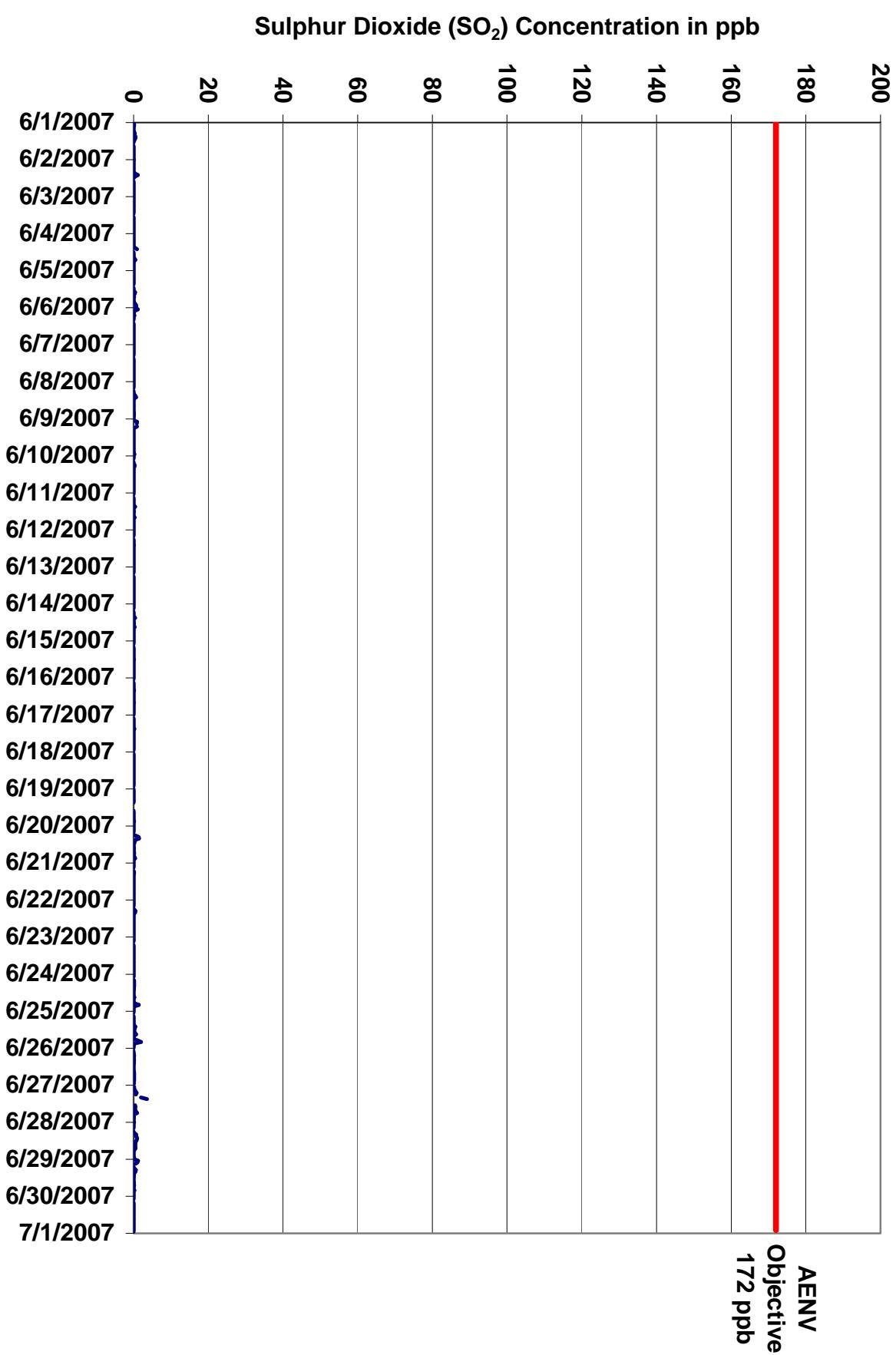


Figure 1. PASZA - Henry Pirker Sulphur Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

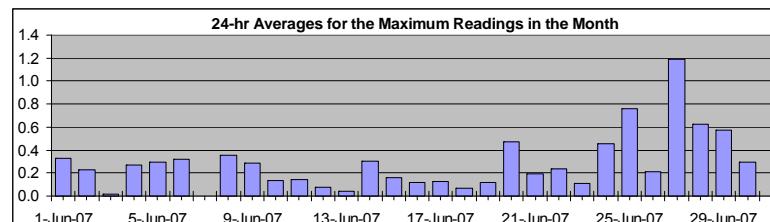
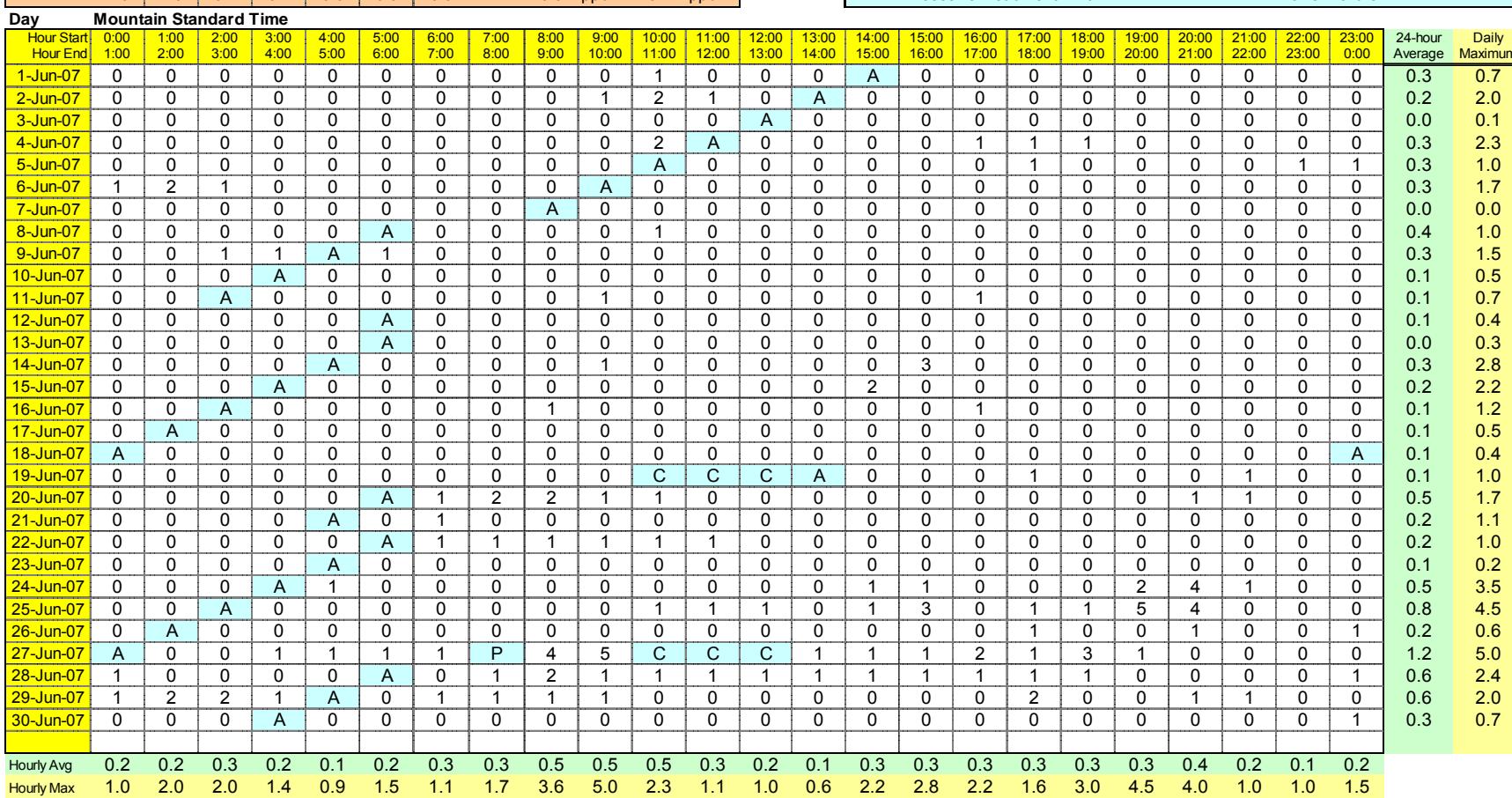
Sulphur Dioxide (SO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	5.0 ppb	27-Jun 9:00 10:00
Maximum 24-hr Value:	1.2 ppb	27-Jun

AIC Time:	31 hrs	Operational Time:	682 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.9%
Percentile	99 95 75 50 25 5 1	Average	Median
	2.6 1.0 0.4 0.1 0.0 0.0	0.3 ppb	0.1 ppb



Status Flag Characters

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

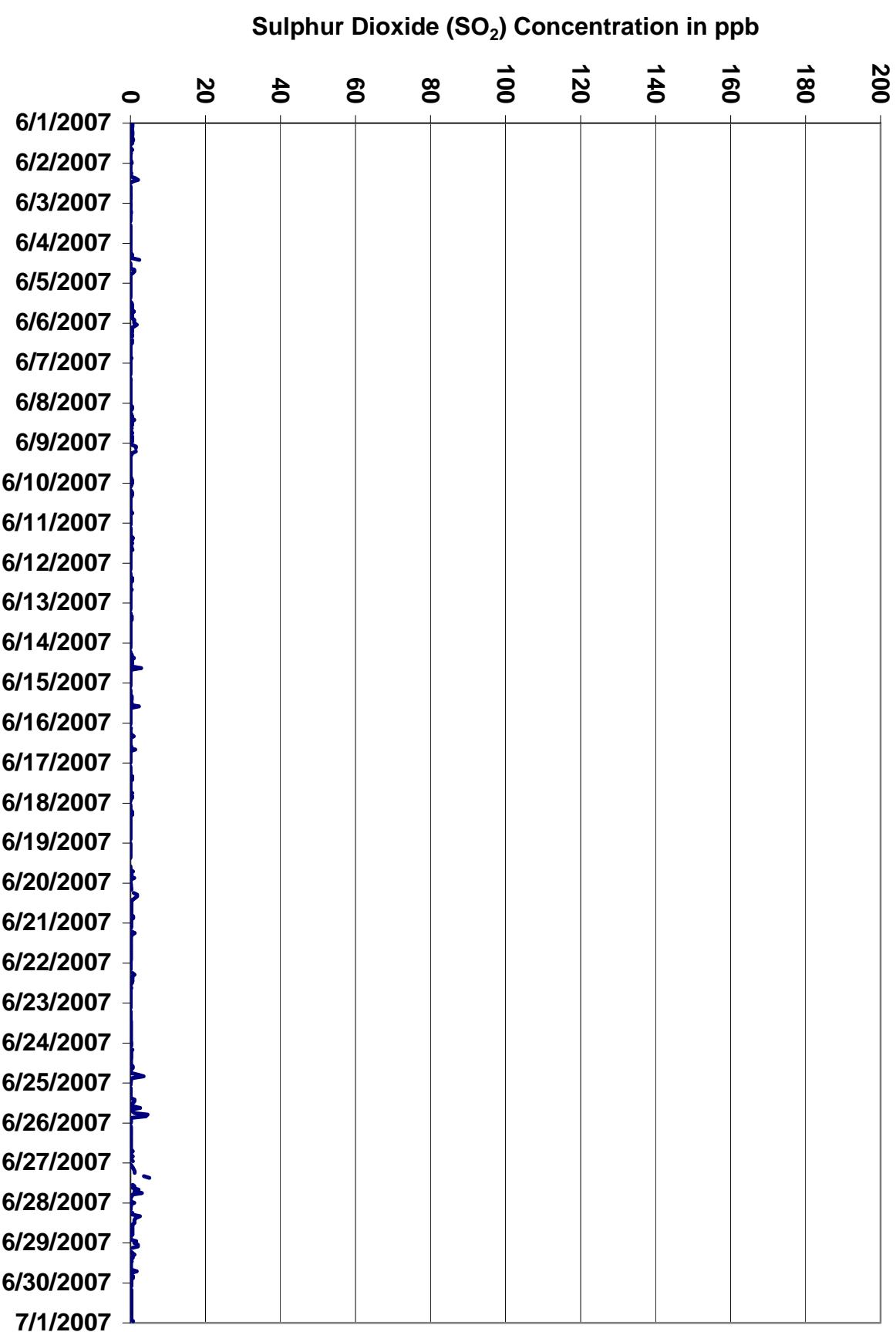
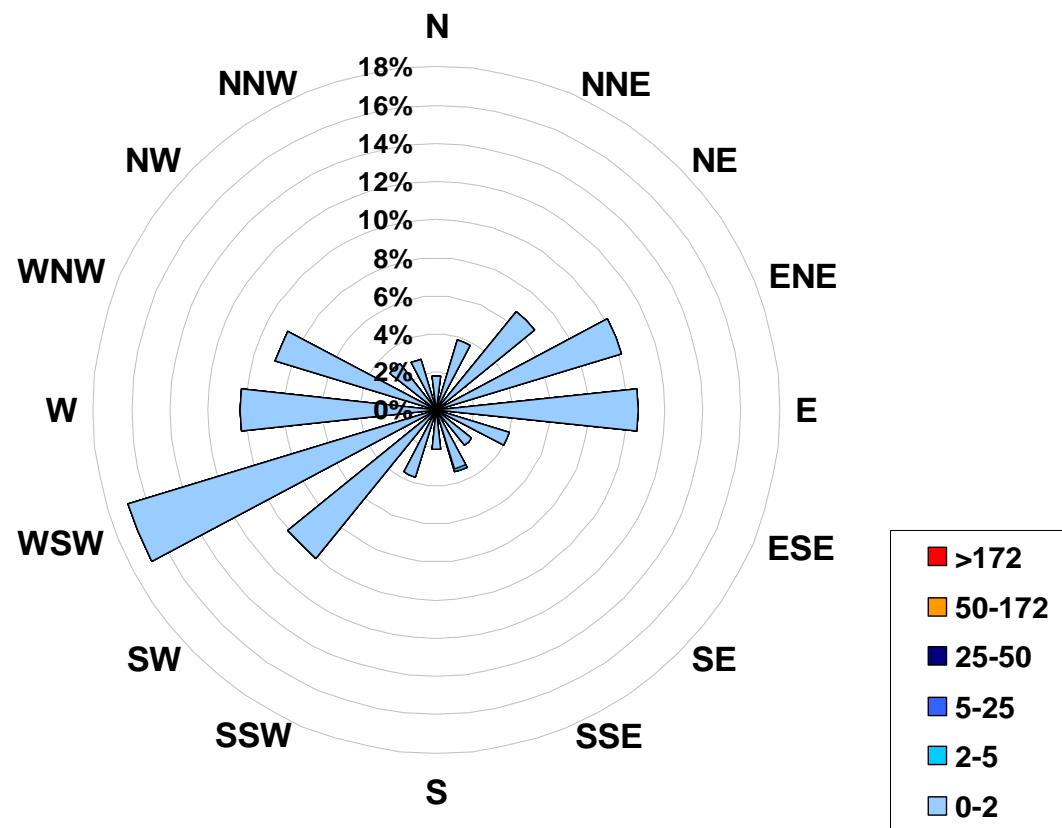


Figure 2. PASZA - Henry Pirker Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	< 2	681	
2	to 5	1	
5	to 25	0	
25	to 50	0	
50	to 172	0	
>	172	0	
Total Non-Zero Values			682

PASZA - Henry Pirker - Nitrogen Dioxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

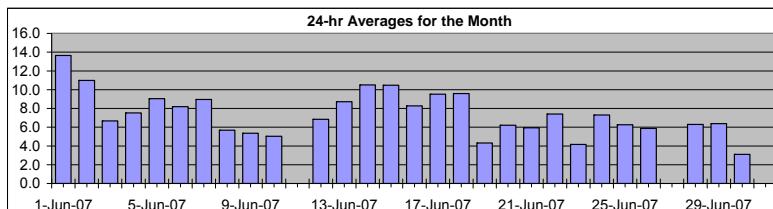
Summary

Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	27.4 ppb
Maximum 24-hr Average:	13.6 ppb

6-Jun 22:00 23:00
1-Jun

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)



Status Flag Characters

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

Day Mountain Standard Time

Day	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00
Hour Start	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	25:00	26:00	27:00	28:00	29:00	30:00	
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	24:00	25:00	26:00	27:00	28:00	29:00	30:00	
1-Jun-07	12	15	15	18	18	20	25	22	22	18	13	6	4	4	A	5	6	6	8	14	16	24	18	13.6	24.7						
2-Jun-07	16	18	10	15	16	20	21	20	16	12	6	6	6	A	6	5	5	5	8	10	10	9	7	11.0	21.3						
3-Jun-07	8	10	9	14	15	10	9	7	5	5	5	4	4	A	5	4	4	4	5	5	7	6	4	4	6.7	15.2					
4-Jun-07	4	4	5	5	6	7	9	6	5	6	5	A	7	6	6	7	8	7	8	16	9	15	15	7.5	15.6						
5-Jun-07	13	13	10	8	11	12	13	11	15	16	A	7	7	5	6	6	7	6	6	9	8	7	8	9.0	15.5						
6-Jun-07	7	6	4	3	3	5	7	9	12	A	6	5	4	4	4	6	4	3	4	12	22	27	27	8.2	27.4						
7-Jun-07	24	21	19	13	11	12	11	9	A	9	6	5	4	5	6	7	7	5	6	5	7	6	4	4	9.0	24.4					
8-Jun-07	5	6	6	5	6	A	12	11	7	4	4	3	3	3	3	4	4	3	4	6	8	10	5	8	5.7	12.4					
9-Jun-07	10	7	8	7	A	12	8	6	4	4	4	3	3	3	3	3	4	4	4	5	5	8	5	4	5.4	11.7					
10-Jun-07	4	4	4	4	A	6	6	7	8	7	4	3	4	7	4	3	4	4	4	5	5	6	5	4	5.0	7.9					
11-Jun-07	3	4	A	6	7	8	7	5	2	C	C	C	C	C	C	C	1	2	3	4	6	3	4	N	8.2						
12-Jun-07	4	3	3	4	4	A	11	8	7	C	C	C	A	13	6	6	7	8	7	8	6	7	9	8	6.8	13.4					
13-Jun-07	7	9	8	7	7	A	18	13	8	7	6	6	5	6	7	6	7	9	8	10	15	11	12	8.7	18.5						
14-Jun-07	11	9	12	9	A	17	19	15	11	8	7	7	7	9	8	10	9	8	9	9	9	13	13	10.5	19.4						
15-Jun-07	11	12	10	A	14	15	15	10	8	9	9	9	8	8	8	7	9	8	12	12	12	12	14	9	10.5	14.7					
16-Jun-07	11	10	A	11	10	12	11	8	7	6	6	6	6	7	7	7	5	6	7	7	9	11	14	8.3	14.4						
17-Jun-07	13	A	16	10	9	9	8	7	8	8	8	6	5	5	5	4	5	7	7	9	17	27	24	9.5	26.8						
18-Jun-07	A	23	19	12	11	12	13	13	11	14	7	6	7	8	6	8	6	5	5	5	6	8	8	A	9.6	23.0					
19-Jun-07	10	8	7	5	7	10	6	10	3	C	3	0	0	M	0	0	3	2	1	4	3	4	5	4	4.3	10.1					
20-Jun-07	4	4	4	4	7	A	12	14	9	9	7	7	4	3	3	3	3	3	5	6	8	9	8	9	6.2	14.5					
21-Jun-07	6	4	4	4	A	12	15	15	8	5	5	4	4	3	4	4	4	3	3	4	5	7	6	9	5.9	15.3					
22-Jun-07	6	10	12	17	17	A	20	20	9	4	5	3	3	5	7	3	3	2	1	2	4	7	5	4	7.4	19.9					
23-Jun-07	5	5	5	4	A	12	10	6	4	3	2	2	3	2	2	2	2	2	2	3	4	6	6	6	4.2	11.7					
24-Jun-07	6	6	10	A	14	11	9	6	3	2	3	2	1	1	1	6	8	6	7	8	10	18	16	13	7.3	18.1					
25-Jun-07	10	12	A	11	8	16	15	9	6	5	2	2	2	2	2	3	2	3	4	6	10	5	6	6.3	15.6						
26-Jun-07	5	A	10	13	13	14	10	6	5	3	2	1	1	1	1	1	2	3	4	5	7	12	9	7	5.9	14.1					
27-Jun-07	A	6	5	5	7	10	10	P	C	C	C	C	4	2	A	4	3	3	3	5	4	5	6	7	N	9.6					
28-Jun-07	4	4	4	5	9	A	17	7	6	5	6	4	4	4	4	4	6	7	10	7	4	8	7	7	6.3	16.9					
29-Jun-07	2	3	7	7	A	14	14	17	11	8	4	4	3	3	3	4	8	8	5	4	6	6	3	2	6.4	17.1					
30-Jun-07	2	3	3	A	7	5	5	6	4	4	3	2	2	2	2	2	2	2	2	2	2	4	3	3	3.1	6.8					

Hourly Avg 7.9 8.6 8.4 8.5 9.7 11.7 12.2 10.4 8.0 7.2 5.3 4.4 4.1 4.7 4.4 4.6 5.0 4.7 5.2 5.9 7.6 9.0 9.4 8.8

Hourly Max 24.4 23.0 19.1 17.7 18.2 20.4 24.7 22.3 21.8 17.7 12.6 9.3 8.0 13.4 8.4 10.1 9.1 8.5 12.5 11.7 15.6 22.3 27.4 26.7

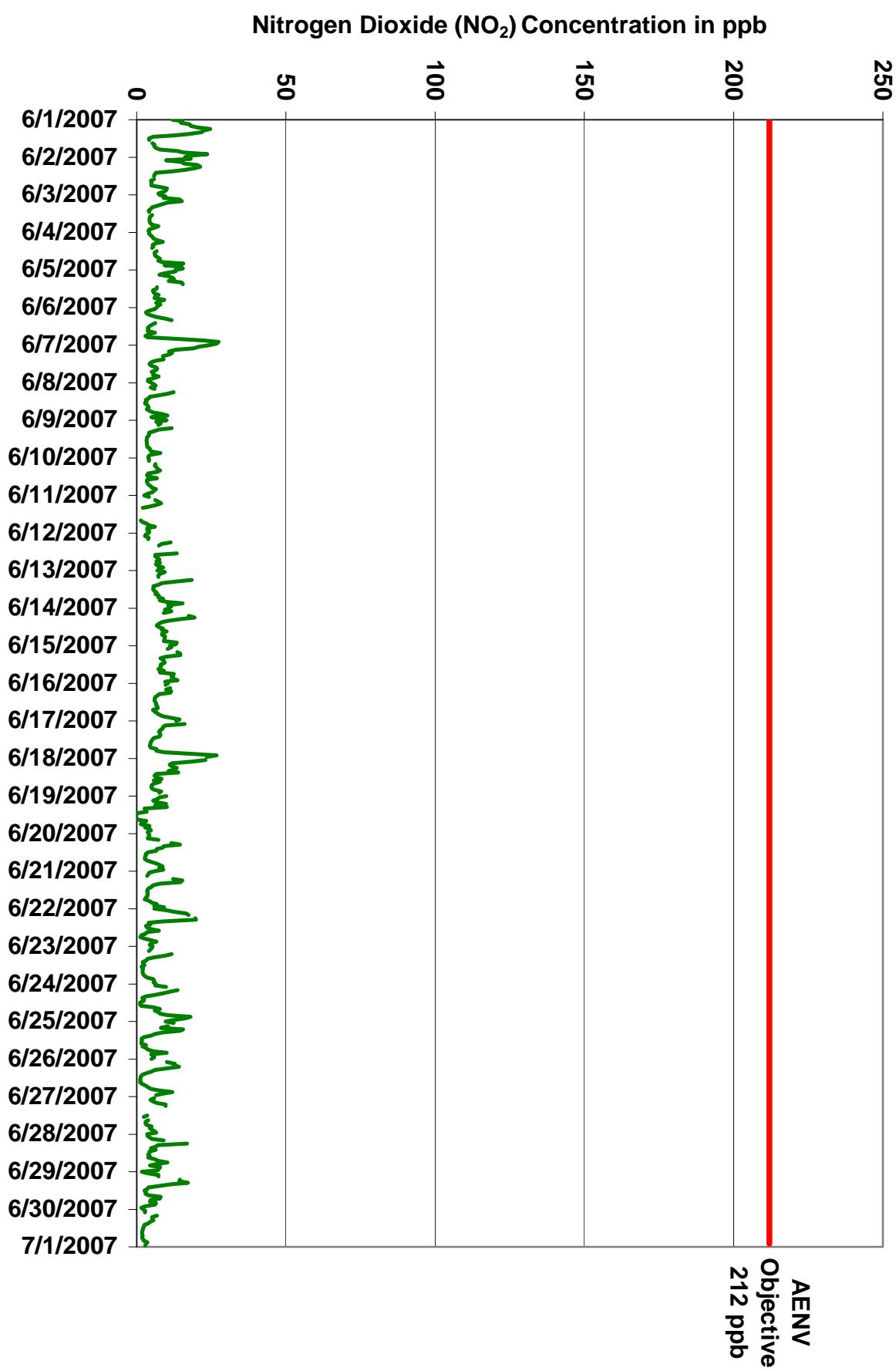


Figure 3. PASZA - Henry Pirker Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

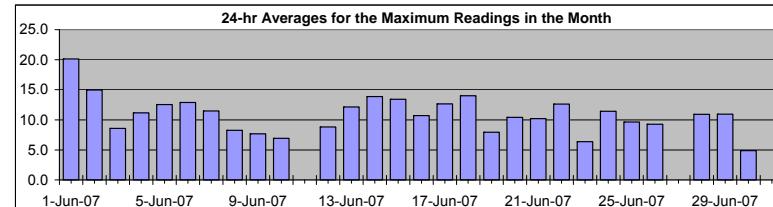
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	44.3 ppb	1-Jun 7:00 8:00
Maximum 24-hr Value:	20.1 ppb	1-Jun



AIC Time:	32 hrs	Operational Time:	671 hrs
Calibration Time:	15 hrs	AMD Operational Uptime:	99.7%
Percentile	99 95 75 50 25 5 1	Average	10.7 ppb
	31.6 23.6 13.7 9.1 6.3 3.8 2.5	Median	9.1 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	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	24:00	0:00	
1-Jun-07	15	19	18	24	19	30	29	44	27	22	20	8	8	11	A	8	8	9	11	13	36	24	33	27	20.1	44.3	
2-Jun-07	20	21	15	19	22	25	28	22	19	18	11	8	8	A	8	6	8	9	7	14	17	16	13	10	15.0	28.1	
3-Jun-07	10	11	11	19	18	12	12	10	8	6	5	5	5	A	7	6	6	5	6	8	10	7	6	5	8.6	18.5	
4-Jun-07	5	11	7	7	10	13	9	7	12	7	A	9	7	8	8	11	10	14	16	20	15	19	27	11.2	26.9		
5-Jun-07	19	16	15	9	16	15	15	15	22	22	A	12	9	8	8	9	10	8	8	13	10	10	9	13	12.5	22.2	
6-Jun-07	9	7	7	4	5	7	11	19	A	11	7	6	8	6	7	27	8	6	6	23	35	32	30	12.9	35.0		
7-Jun-07	28	23	23	15	12	13	14	10	A	14	10	8	6	8	10	9	9	7	7	8	11	9	5	5	11.5	28.0	
8-Jun-07	7	9	8	6	7	A	15	12	11	7	6	4	5	4	5	6	8	5	6	9	11	16	8	12	8.2	15.5	
9-Jun-07	14	10	18	12	A	14	9	9	5	5	5	6	4	4	5	4	5	6	8	10	6	5	5	7.7	18.0		
10-Jun-07	4	5	5	A	7	7	10	12	10	5	5	6	12	5	5	4	4	8	6	9	7	6	7	6.9	12.0		
11-Jun-07	3	8	A	9	10	10	8	7	5	C	C	C	C	C	C	C	C	2	5	5	6	8	5	6	N	10.4	
12-Jun-07	6	4	4	5	5	A	14	11	9	C	C	C	A	17	9	8	10	12	8	10	7	8	12	9	8.8	17.0	
13-Jun-07	8	11	9	9	10	A	21	18	11	9	7	10	8	10	12	13	9	9	17	10	15	25	13	14	12.1	24.9	
14-Jun-07	14	13	15	11	A	21	21	19	13	11	10	14	11	15	11	14	11	10	11	15	14	12	15	15	13.9	21.1	
15-Jun-07	13	14	14	A	18	17	16	14	9	11	11	12	11	10	10	9	13	14	18	16	17	13	16	12	13.4	17.8	
16-Jun-07	13	12	A	15	13	15	20	10	9	7	7	7	8	8	8	10	8	6	10	8	9	11	15	16	10.7	20.2	
17-Jun-07	16	A	25	11	10	10	9	8	9	8	9	7	6	6	5	5	5	9	11	11	17	30	32	31	12.6	31.9	
18-Jun-07	A	28	26	15	13	16	16	25	16	40	8	8	10	11	8	10	8	6	6	7	9	12	10	A	14.0	39.7	
19-Jun-07	13	9	9	8	10	16	14	17	6	C	7	1	0	M	0	2	8	5	15	9	5	7	8	7.9	16.5		
20-Jun-07	6	6	9	8	10	A	15	20	12	11	12	15	12	5	8	4	4	6	7	9	14	14	19	11	10.4	19.6	
21-Jun-07	12	5	5	5	A	18	23	19	15	8	8	14	6	6	7	7	7	5	5	8	8	19	12	12	10.2	22.7	
22-Jun-07	8	16	25	21	23	A	30	24	18	6	9	5	5	9	13	6	5	3	3	5	6	20	24	6	12.6	30.5	
23-Jun-07	7	8	8	6	A	14	12	10	5	7	3	4	5	3	3	4	3	4	5	5	5	7	9	8	6.4	14.1	
24-Jun-07	12	8	14	A	24	15	11	8	7	4	5	5	2	2	3	13	19	9	13	11	16	22	15	11.4	24.5		
25-Jun-07	14	17	A	14	12	22	19	11	8	6	4	2	5	8	4	5	6	5	6	8	17	8	7	12	9.6	22.3	
26-Jun-07	10	A	13	15	18	18	16	8	7	6	7	3	4	6	5	3	4	7	7	7	10	18	13	10	9.3	18.1	
27-Jun-07	A	10	6	10	8	13	12	P	C	C	C	5	4	A	6	6	8	6	14	10	8	9	13	N	13.6	34.0	
28-Jun-07	7	7	8	9	15	A	27	11	7	6	8	7	5	6	6	7	9	14	15	17	8	16	20	15	10.9	26.8	
29-Jun-07	3	8	15	11	A	22	21	34	17	10	6	5	5	7	5	7	18	14	8	7	11	9	6	4	10.9	34.0	
30-Jun-07	3	5	6	A	9	7	7	8	6	6	3	4	3	4	3	3	4	3	4	3	4	4	6	6	4.9	9.3	

Hourly Avg 10.7 11.5 12.5 11.3 12.9 15.3 16.2 15.3 11.3 11.0 7.9 7.1 6.4 7.6 6.7 7.0 8.4 7.6 8.6 9.6 12.2 14.1 13.6 12.6
 Hourly Max 28.0 28.3 25.7 23.7 24.5 29.8 30.5 44.3 27.0 39.7 19.6 14.6 12.1 17.0 13.0 14.3 26.8 14.2 17.8 17.5 36.2 35.0 32.9 30.9

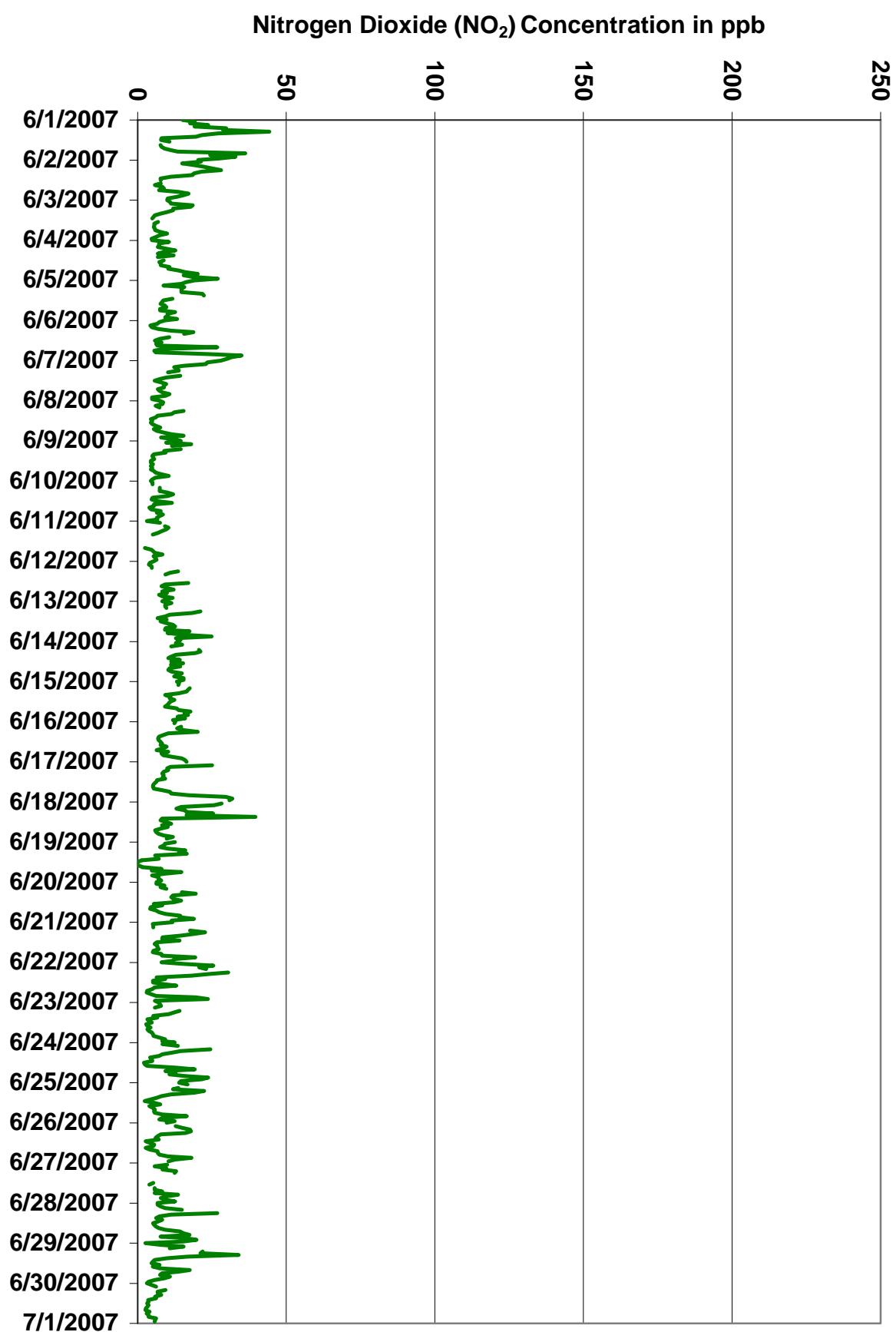
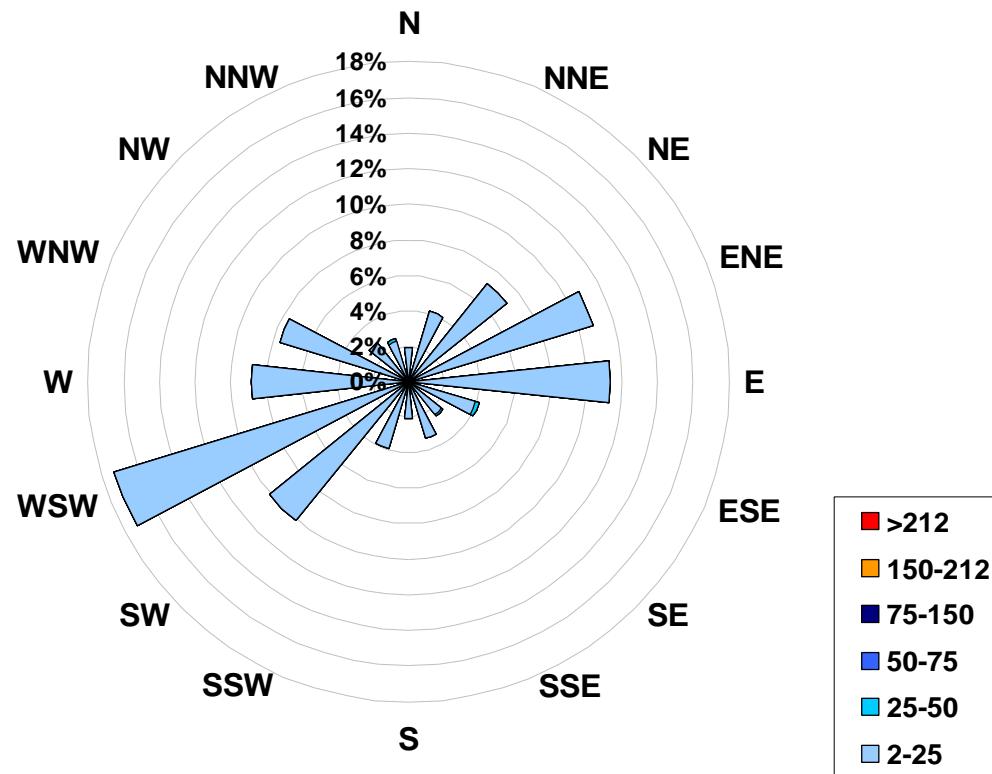


Figure 4. PASZA - Henry Pirker Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%
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Frequency Distribution of NO₂ in ppb

Range	Frequency (hrs)
2.0 < 25	671
25 to 50	0
50 to 75	0
75 to 150	0
150 to 212	0
> 212	0
Total Non-Zero Values	671

PASZA - Henry Pirker - Nitric Oxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Maximum 1-hr Average:	23.4	ppb	1-Jun	6:00 7:00
Maximum 24-hr Average:	3.6	ppb	1-Jun	

AIC Time:	32 hrs	Operational Time:	671 hrs						
Calibration Time:	15 hrs	AMD Operational Uptime:	99.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	12.2	5.7	1.5	0.8	0.4	0.0	0.0	1.5 ppb	0.8 ppb

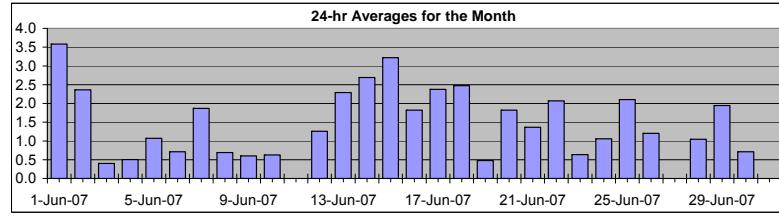
Day Mountain Standard Time

	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Maximum	
Hour Start	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00			
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			
1-Jun-07	0	1	1	2	2	10	23	15	13	8	3	0	0	A	0	1	1	0	0	1	0	0	0	0	0	3.6	23.4
2-Jun-07	1	2	0	0	1	10	16	8	6	3	1	1	1	A	0	0	1	0	0	0	0	0	0	0	0	2.4	16.4
3-Jun-07	0	0	0	1	1	1	1	1	1	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9
4-Jun-07	0	0	0	0	0	1	2	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.5	2.0
5-Jun-07	1	0	0	0	1	1	2	2	2	2	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.3	
6-Jun-07	0	1	0	0	0	1	1	1	2	A	1	1	1	1	1	1	1	3	1	0	0	0	0	0	0.7	2.6	
7-Jun-07	1	1	1	1	1	6	9	8	A	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.9	9.4	
8-Jun-07	0	0	0	0	0	A	2	3	2	1	1	0	1	0	1	1	1	0	0	1	0	0	0	0	0.7	2.6	
9-Jun-07	0	0	0	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0.6	1.4	
10-Jun-07	0	0	0	0	A	0	0	1	1	2	2	1	1	0	1	1	1	0	0	1	1	1	1	0	0.6	2.1	
11-Jun-07	0	0	A	0	0	1	2	1	0	C	C	C	C	C	C	C	0	0	0	0	0	0	0	N	2.3		
12-Jun-07	0	0	0	0	0	A	2	1	2	C	C	C	A	4	2	2	2	2	2	2	1	1	1	1	1.3	3.5	
13-Jun-07	1	1	1	1	1	A	10	8	4	2	1	1	1	2	1	2	2	4	1	1	2	1	1	1	1	2.3	10.3
14-Jun-07	1	1	2	2	A	5	11	10	7	4	2	2	1	2	2	2	1	2	1	1	1	1	1	1	2.7	10.6	
15-Jun-07	2	3	3	A	4	10	16	8	3	2	2	2	2	2	2	1	2	1	2	2	2	1	2	2	3.2	16.3	
16-Jun-07	2	2	A	2	2	3	3	2	3	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1.8	3.1	
17-Jun-07	3	A	3	2	2	4	6	6	6	3	2	1	1	1	1	1	0	1	1	1	1	1	1	1	2.4	6.2	
18-Jun-07	A	3	5	2	2	2	5	9	4	8	1	1	1	2	1	2	2	1	1	1	1	1	1	1	2.5	9.0	
19-Jun-07	0	0	0	0	0	2	1	6	0	C	0	0	0	M	0	0	0	0	0	0	0	0	0	0	0.5	6.4	
20-Jun-07	0	0	0	0	0	A	4	9	4	6	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1.8	9.3	
21-Jun-07	1	0	0	0	A	1	1	4	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	0	1.4	4.4	
22-Jun-07	0	0	1	1	4	A	13	12	4	1	2	1	1	1	2	1	1	0	0	0	1	0	0	0	2.1	13.4	
23-Jun-07	0	0	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.6	1.2	
24-Jun-07	0	0	0	A	1	2	3	3	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	1.1	3.3	
25-Jun-07	1	1	A	0	1	8	14	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2.1	13.6	
26-Jun-07	0	A	0	0	1	5	5	4	3	2	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1.2	5.2	
27-Jun-07	A	0	0	0	1	2	3	P	C	C	C	C	1	0	A	1	1	1	1	1	0	0	0	0	N	2.6	
28-Jun-07	0	0	0	0	0	A	4	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1.0	3.7	
29-Jun-07	0	0	0	0	0	A	6	7	11	5	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1.9	10.6	
30-Jun-07	0	0	0	0	A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.7	1.2	

Hourly Avg	0.5	0.7	0.7	0.7	1.1	3.5	5.7	5.1	3.0	2.6	1.4	1.1	0.9	1.1	1.0	0.9	1.0	0.9	1.0	0.8	0.9	0.7	0.6	0.6	0.7
Hourly Max	3.1	3.3	4.6	2.3	4.0	10.1	23.4	15.1	13.0	8.0	4.4	3.5	1.7	3.5	2.4	2.0	2.6	2.1	3.7	1.7	1.6	1.7	3.4	3.6	

HOURLY AVERAGE TABLE

Nitric Oxide (NO)



Status Flag Characters

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

PASZA - Henry Pirker - Oxides of Nitrogen Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Maximum 1-hr Average:	48.1	ppb	1-Jun	6:00 7:00
Maximum 24-hr Average:	17.2	ppb	1-Jun	

AIC Time:	32 hrs	Operational Time:	671 hrs										
Calibration Time:	15 hrs	AMD Operational Uptime:	99.7%										
Percentile	99	95	75	50	25	5	1	Average	8.7	ppb	Median	7.3	ppb
	30.6	21.0	10.6	7.3	4.7	2.5	1.0						

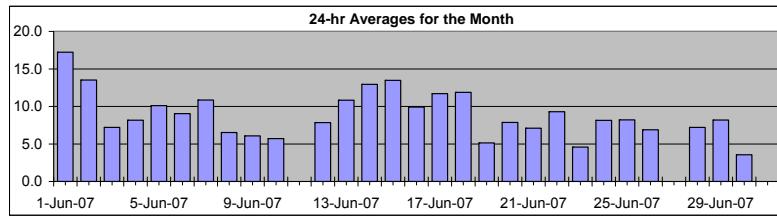
Day Mountain Standard Time

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	24:00	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	24:00	25:00		
1-Jun-07	12	16	16	20	20	31	48	37	35	25	15	6	4	5	A	5	7	6	7	8	15	16	24	19	17.2	48.1	
2-Jun-07	17	20	10	16	17	30	38	28	23	16	7	7	7	A	6	5	6	6	8	11	10	10	8	13.5	37.8		
3-Jun-07	8	10	9	15	16	11	10	8	6	5	5	5	5	A	6	5	5	5	5	6	8	6	5	4	7.2	16.1	
4-Jun-07	4	5	5	6	6	8	11	7	6	7	6	A	7	7	7	7	8	8	8	9	16	10	15	16	8.2	16.0	
5-Jun-07	14	13	10	8	11	13	15	12	17	18	A	8	8	6	7	7	9	7	7	10	8	7	8	8	10.1	17.7	
6-Jun-07	7	7	5	4	4	5	8	11	13	A	8	6	5	5	5	5	9	5	3	4	13	23	28	27	9.0	27.8	
7-Jun-07	25	22	20	14	12	18	21	16	A	12	8	5	5	5	8	8	8	6	7	6	8	7	4	4	10.8	25.1	
8-Jun-07	5	6	7	5	6	A	15	13	10	5	5	4	4	4	3	4	5	5	4	5	6	9	11	5	8	6.5	14.8
9-Jun-07	10	7	9	8	A	13	9	7	5	5	5	4	4	4	4	4	4	4	4	5	5	5	8	5	4	6.1	13.0
10-Jun-07	4	4	4	A	7	7	7	8	10	9	5	4	4	8	4	4	4	4	4	5	6	7	6	5	4	5.7	9.9
11-Jun-07	3	4	A	6	8	10	9	6	3	C	C	C	C	C	C	C	0	0	2	2	5	2	2	3	N	9.6	
12-Jun-07	3	2	2	4	4	A	13	10	9	C	C	C	A	17	8	8	9	10	8	9	8	8	10	8	7.8	16.6	
13-Jun-07	8	11	9	8	8	A	28	21	12	10	7	7	7	8	8	9	9	9	12	9	11	17	11	13	10.8	28.4	
14-Jun-07	12	11	13	10	A	22	30	25	17	12	9	8	8	10	10	12	10	10	11	10	10	10	14	14	13.0	29.6	
15-Jun-07	13	14	13	A	17	24	31	17	11	11	11	9	10	9	9	10	9	10	9	14	13	14	13	15	13.5	30.8	
16-Jun-07	13	12	A	13	12	14	14	10	9	8	8	7	8	8	8	9	8	6	7	8	8	10	13	17	9.9	17.2	
17-Jun-07	16	A	19	12	11	13	14	13	11	10	7	6	6	5	5	5	5	5	5	8	7	10	18	30	27	11.7	29.7
18-Jun-07	A	26	23	14	13	14	18	22	14	22	7	7	8	10	7	10	8	6	6	6	6	9	8	A	11.9	25.9	
19-Jun-07	10	8	7	5	7	13	8	18	3	C	5	0	0	M	0	0	3	2	2	5	3	5	5	4	5.2	17.5	
20-Jun-07	4	4	4	4	8	A	16	23	13	14	11	10	5	4	4	4	3	4	5	7	8	9	8	9	7.9	23.5	
21-Jun-07	6	4	4	4	A	13	16	19	10	8	8	6	5	5	5	5	5	4	3	5	5	7	6	9	7.1	18.7	
22-Jun-07	6	10	13	17	21	A	33	31	13	5	6	4	4	6	10	4	3	2	1	3	4	7	5	4	9.3	32.8	
23-Jun-07	5	5	4	4	A	12	10	6	4	4	3	3	4	2	3	3	3	3	3	3	3	4	6	6	4.6	12.0	
24-Jun-07	6	6	10	A	15	13	12	9	4	3	4	3	1	1	2	6	9	7	8	9	11	19	17	13	8.2	18.8	
25-Jun-07	10	13	A	11	9	23	28	15	11	8	4	2	2	3	2	4	3	4	4	6	11	5	6	6	8.2	28.1	
26-Jun-07	5	A	10	13	13	19	15	10	7	5	3	2	2	2	1	2	4	4	5	8	12	9	7	6.9	18.9		
27-Jun-07	A	6	5	5	7	11	12	P	C	C	C	C	4	3	A	4	4	4	4	6	5	5	6	7	N	11.9	
28-Jun-07	4	4	4	5	9	A	20	9	8	6	8	6	5	5	5	5	7	8	11	7	5	9	8	7	7.2	20.3	
29-Jun-07	2	4	7	7	A	20	21	27	16	10	5	4	3	4	4	5	9	9	8	5	7	6	3	2	8.2	27.4	
30-Jun-07	2	3	3	A	7	6	6	7	5	5	3	3	3	3	3	3	3	3	3	2	3	3	4	3	0	3.6	6.9

Hourly Avg	8.4	9.1	9.1	9.1	10.8	15.1	17.8	15.4	11.0	9.7	6.7	5.4	4.9	5.7	5.4	5.4	5.4	5.9	5.4	6.0	6.6	8.2	9.4	9.8	9.3
Hourly Max	25.1	25.9	23.0	19.6	21.0	30.6	48.1	37.3	34.7	25.4	15.2	11.0	9.4	16.6	9.8	11.7	10.4	9.6	13.8	13.1	16.0	22.8	29.7	27.1	

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)



Status Flag Characters

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

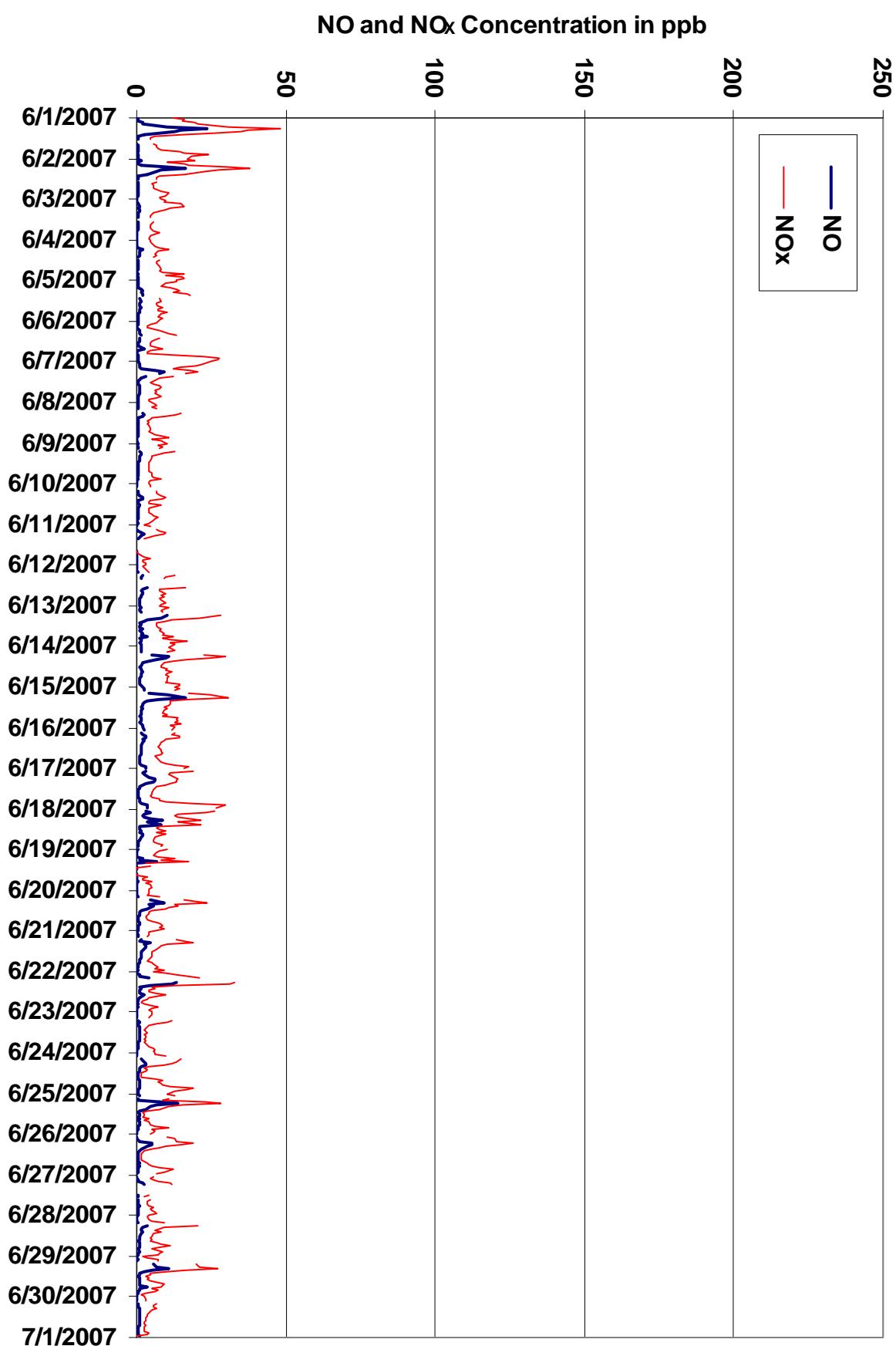


Figure 5. PASZA - Henry Pirker Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

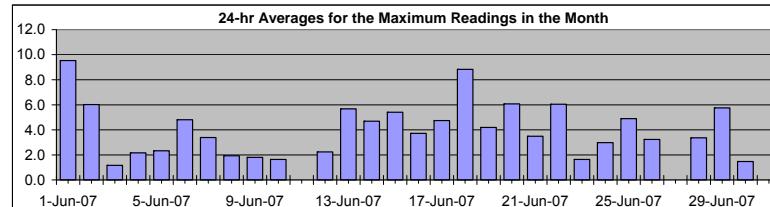
Nitric Oxide (NO)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	85.1 ppb	18-Jun	9:00 10:00
Maximum 24-hr Value:	9.5 ppb	1-Jun	

AIC Time:	32 hrs	Operational Time:	671 hrs
Calibration Time:	15 hrs	AMD Operational Uptime:	99.7%
Percentile	99 95 75 50 25 5 1	Average	Median
	33.4 12.1 4.1 2.0 1.0 0.5 0.0	3.9 ppb	2.0 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

	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 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-Jun-07	1	2	3	13	6	32	40	47	22	12	6	1	2	5	A	1	2	3	1	1	7	3	6	2	9.5	47.5	
2-Jun-07	3	6	2	1	11	27	32	10	10	8	4	1	1	A	1	1	4	2	2	1	5	2	2	2	6.0	32.4	
3-Jun-07	1	1	1	1	2	2	2	3	2	1	1	1	1	A	1	1	1	1	1	1	1	2	1	0	1.2	2.5	
4-Jun-07	1	8	3	1	1	2	8	2	2	8	1	A	1	1	1	1	1	1	1	1	1	1	1	4	1	2.2	8.3
5-Jun-07	3	1	1	1	1	2	3	3	4	8	A	2	3	2	2	2	2	2	2	2	2	2	2	4	2.3	8.0	
6-Jun-07	3	2	3	2	1	3	4	5	11	A	5	3	3	5	3	4	39	3	2	1	2	3	2	3	4.8	39.2	
7-Jun-07	3	3	3	3	3	10	13	10	A	6	3	2	1	3	2	2	2	2	2	2	2	1	1	1	3.4	12.8	
8-Jun-07	1	1	1	1	1	A	5	9	5	2	1	1	1	1	1	2	2	1	1	3	2	1	1	2	1.9	9.1	
9-Jun-07	2	2	2	1	A	4	2	7	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1.8	7.1	
10-Jun-07	1	1	1	A	1	1	1	2	3	5	1	1	1	3	1	3	1	1	4	2	1	1	1	1	1.6	5.0	
11-Jun-07	1	1	A	0	1	3	4	3	2	C	C	C	C	C	C	C	C	0	0	0	0	0	0	0	N	3.7	
12-Jun-07	0	0	0	0	1	A	3	2	3	C	C	C	A	5	5	3	3	6	3	3	1	1	1	2	2.2	6.4	
13-Jun-07	1	3	2	2	2	A	17	16	6	4	3	5	3	4	6	4	4	2	33	2	4	4	2	2	5.7	33.3	
14-Jun-07	2	2	2	2	A	8	15	15	9	7	4	10	4	8	3	3	3	2	2	2	2	1	2	2	4.7	15.5	
15-Jun-07	3	3	4	A	6	18	21	17	4	4	4	4	5	5	4	3	3	3	3	4	3	2	2	5.4	21.0		
16-Jun-07	4	3	A	2	6	4	18	6	4	3	3	3	2	4	3	4	2	2	1	1	2	3	4	3.7	17.7		
17-Jun-07	5	A	5	3	3	7	7	7	6	5	3	2	2	1	1	1	1	5	10	6	7	9	6	4.7	10.0		
18-Jun-07	A	5	8	3	4	5	8	46	7	85	2	2	2	2	2	3	3	2	2	1	2	1	1	A	8.8	85.1	
19-Jun-07	1	0	0	0	1	6	8	18	1	C	3	1	0	M	0	0	1	1	22	9	3	3	4	11	4.2	22.1	
20-Jun-07	3	0	8	1	1	A	9	16	10	13	11	11	8	2	6	2	2	1	2	6	11	4	10	1	6.1	16.0	
21-Jun-07	9	1	1	2	A	3	3	11	5	6	6	7	4	3	3	4	3	2	2	2	1	1	1	2	3.5	10.5	
22-Jun-07	0	2	10	6	13	A	39	20	9	3	4	7	2	3	5	2	2	1	1	1	1	4	4	0	6.0	38.8	
23-Jun-07	0	1	0	1	A	1	2	1	2	2	2	2	2	2	6	3	3	4	1	1	1	1	1	1	1.6	6.0	
24-Jun-07	1	0	1	A	9	5	5	5	4	2	3	3	1	1	1	4	4	5	2	2	3	4	2	2	3.0	9.5	
25-Jun-07	2	4	A	1	1	14	22	11	6	6	3	2	5	21	2	3	3	3	1	1	1	1	1	1	4.9	21.5	
26-Jun-07	1	A	0	1	4	10	10	5	4	4	7	2	2	4	3	1	3	4	2	2	2	1	1	3.2	10.0		
27-Jun-07	A	1	1	1	2	4	4	P	C	C	C	1	1	A	2	2	5	6	5	2	1	2	4	N	5.5		
28-Jun-07	5	1	1	1	2	A	7	5	3	3	4	3	2	2	2	1	2	9	8	2	5	5	2	1	3.4	9.3	
29-Jun-07	1	1	1	1	A	23	13	34	11	4	2	2	1	2	2	2	2	5	6	12	3	5	1	1	5.7	33.6	
30-Jun-07	1	1	1	A	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	5	1.5	5.4	

Hourly Avg 1.9 1.9 2.2 1.8 3.4 8.1 10.8 11.6 5.7 8.2 3.4 3.1 2.3 3.6 2.6 2.2 3.4 2.7 4.4 2.3 2.5 2.1 2.2 2.3
 Hourly Max 9.0 7.7 9.6 13.3 13.0 32.3 39.7 47.5 22.3 85.1 11.2 11.0 8.2 21.5 6.4 4.5 39.2 9.3 33.3 8.7 10.9 8.9 10.4 10.7

Station: Henry Pirker
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

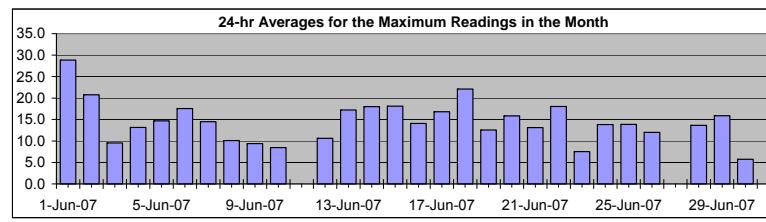
Summary

Maximum 1-hr Value:	120.5 ppb	18-Jun	9:00 10:00
Maximum 24-hr Value:	28.9 ppb	1-Jun	

AIC Time:	32 hrs	Operational Time:	671 hrs
Calibration Time:	15 hrs	AMD Operational Uptime:	99.7%
Percentile	99 95 75 50 25 5 1	Average	Median
	62.7 33.7 16.7 11.5 7.9 4.8 3.0	14.2 ppb	11.5 ppb

Day Mountain Standard Time

	Hour Start 1:00	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 0:00	Daily Maximum
1-Jun-07	15	20	21	36	25	62	68	84	49	34	26	9	10	16	A	8	10	12	12	14	41	25	39	28	28.9	83.7	
2-Jun-07	22	27	16	20	33	52	61	31	28	26	15	10	9	A	8	7	12	11	9	15	22	18	15	12	20.8	60.5	
3-Jun-07	10	12	12	20	20	14	13	13	10	6	6	6	A	8	6	6	6	6	8	11	8	7	5	9.6	19.6		
4-Jun-07	5	18	9	8	7	11	20	11	8	20	8	A	9	8	9	8	12	11	14	16	21	16	23	28	13.2	27.9	
5-Jun-07	21	17	15	9	17	17	18	25	30	A	14	11	10	10	10	11	12	9	9	15	11	12	11	18	14.7	29.9	
6-Jun-07	13	10	9	6	5	10	15	24	25	A	16	10	9	13	8	10	66	11	6	7	25	38	34	32	17.6	66.4	
7-Jun-07	29	25	25	18	14	24	25	21	A	21	13	9	7	10	12	10	11	8	9	10	12	10	5	5	14.5	29.2	
8-Jun-07	8	9	9	7	8	A	21	21	17	9	8	6	6	6	6	8	10	7	8	10	13	16	8	14	10.1	20.9	
9-Jun-07	15	12	20	13	A	18	11	17	7	7	8	8	6	6	7	6	7	6	7	8	11	6	6	9.4	20.1		
10-Jun-07	5	6	6	A	8	8	9	12	15	15	6	6	7	14	7	8	5	5	12	8	10	8	7	10	8.5	15.1	
11-Jun-07	4	8	A	10	11	13	12	10	8	C	C	C	C	C	C	C	C	0	3	4	4	7	4	5	N	12.8	
12-Jun-07	5	3	3	4	5	A	16	12	12	C	C	C	A	22	14	10	13	18	11	12	9	9	13	10	10.6	21.7	
13-Jun-07	9	15	10	11	12	A	36	34	16	13	9	14	10	13	18	17	13	12	45	11	19	29	14	16	17.2	45.1	
14-Jun-07	15	14	17	13	A	27	36	33	21	19	14	24	15	23	14	17	14	12	13	16	15	13	17	17	18.0	36.0	
15-Jun-07	15	16	17	A	21	33	37	30	12	14	14	17	16	14	13	11	16	16	20	20	20	15	17	14	18.1	37.3	
16-Jun-07	16	15	A	16	18	19	38	16	12	11	9	10	10	13	10	14	10	8	12	9	10	13	17	20	14.1	37.5	
17-Jun-07	21	A	30	14	13	17	16	15	15	14	12	8	8	7	6	6	6	13	20	16	24	36	37	37	16.8	36.8	
18-Jun-07	A	32	32	17	16	20	23	69	22	121	10	9	12	13	9	13	11	8	8	8	10	13	10	A	22.1	120.5	
19-Jun-07	13	9	9	7	12	22	23	35	8	C	11	3	0	M	1	3	9	6	37	19	8	10	12	19	12.5	37.5	
20-Jun-07	10	7	17	8	11	A	21	35	20	23	23	25	20	7	14	6	6	8	8	16	24	15	29	12	15.8	35.2	
21-Jun-07	21	5	6	7	A	19	24	26	19	14	14	21	9	9	10	10	8	7	10	9	20	13	13	13.1	26.2		
22-Jun-07	8	16	34	25	35	A	65	44	26	9	13	12	7	11	17	8	6	4	4	6	7	23	27	6	18.0	65.0	
23-Jun-07	7	8	8	6	A	15	13	11	6	8	5	5	7	5	9	7	6	6	5	6	6	8	9	7.5	14.6		
24-Jun-07	13	8	13	A	33	18	16	13	11	6	7	7	3	4	4	16	22	13	15	12	18	27	23	13.8	32.9		
25-Jun-07	14	19	A	14	13	35	40	21	14	12	7	4	10	26	6	7	8	9	7	9	17	9	8	12	13.9	39.8	
26-Jun-07	10	A	13	15	21	26	25	12	11	9	14	4	6	9	8	4	6	10	8	11	11	19	13	11	12.0	25.8	
27-Jun-07	A	10	6	10	10	16	16	P	C	C	C	6	5	A	7	7	13	8	16	11	8	10	16	N	16.5		
28-Jun-07	12	7	8	9	16	A	32	16	10	8	11	10	7	8	9	8	11	23	22	19	12	21	20	16	13.7	32.2	
29-Jun-07	3	8	16	11	A	45	33	67	28	14	7	7	6	10	6	8	21	17	13	10	16	10	6	4	15.9	67.4	
30-Jun-07	4	5	6	A	10	7	8	9	7	8	5	5	5	6	5	5	4	6	4	4	5	7	6	4	5.8	9.6	



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

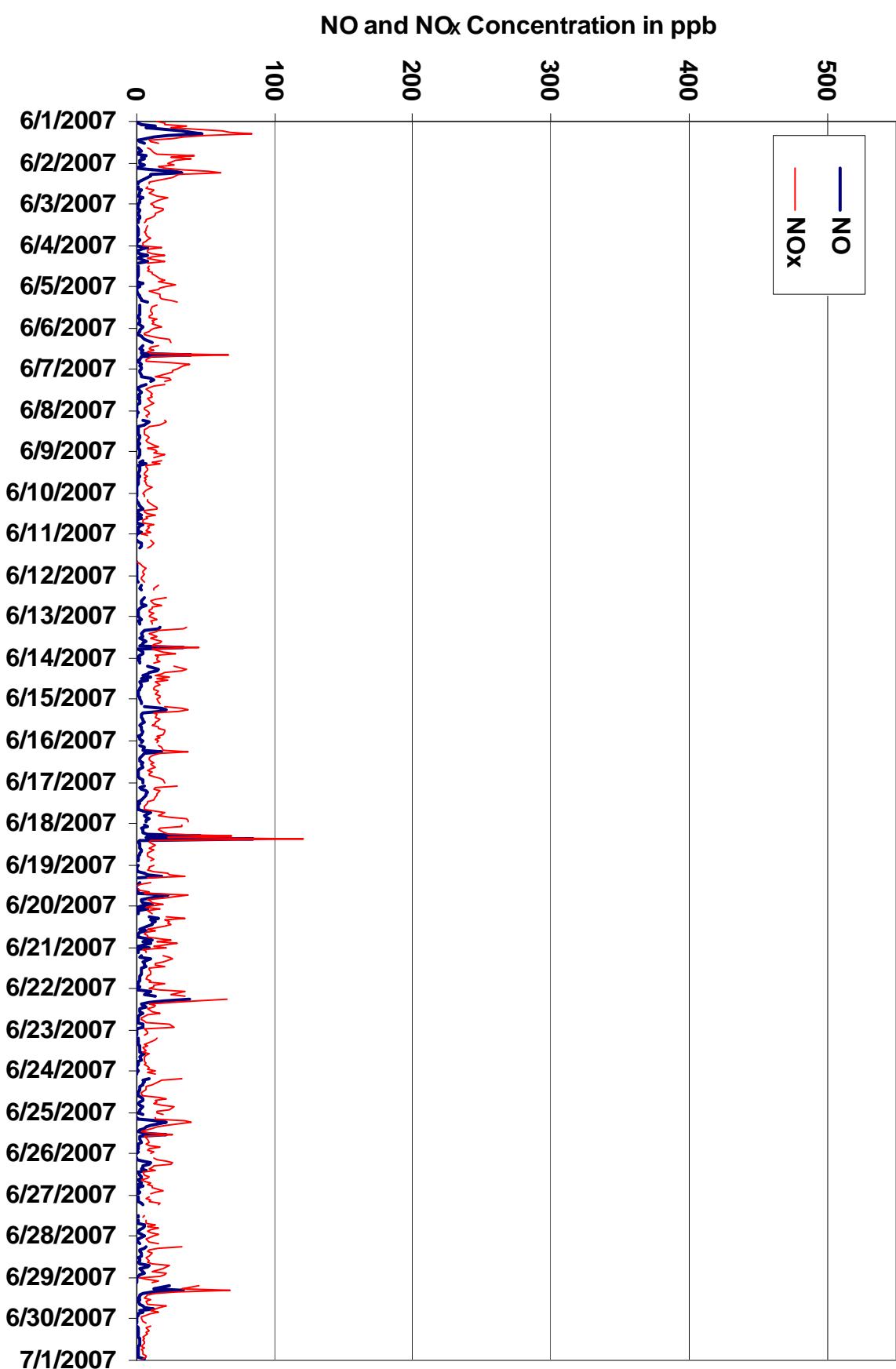


Figure 6. PASZA - Henry Pirker Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Henry Pirker - Ozone Monthly Summary

Station: Henry Pirker
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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:	67.1 ppb 4-Jun 17:00 18:00
Maximum 24-hr Average:	46.0 ppb 4-Jun

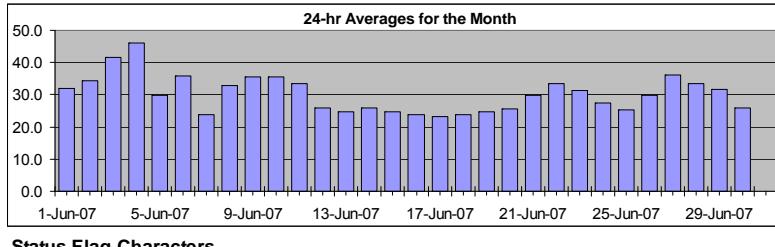
AIC Time:	32 hrs	Operational Time:	680 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	99.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	57.0	48.2	36.6	30.2	23.4	12.0	8.3	30.3 ppb	30.2 ppb

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-Jun-07	21	16	13	10	9	8	9	15	17	26	45	57	56	55	A	52	50	48	47	46	42	35	25	30	31.9	56.6
2-Jun-07	17	14	29	15	13	7	8	9	14	31	49	50	52	A	54	54	53	52	52	47	43	43	41	43	34.4	54.1
3-Jun-07	39	34	30	18	18	28	31	40	47	50	51	50	A	49	50	51	52	52	51	50	43	41	41	40	41.6	52.4
4-Jun-07	38	36	35	35	34	32	32	36	40	45	54	A	59	61	61	62	66	67	62	53	43	46	32	29	46.0	67.1
5-Jun-07	28	28	30	28	23	22	21	22	18	18	A	30	30	29	30	32	30	30	33	44	46	40	44	29.8	45.9	
6-Jun-07	40	29	30	33	35	34	32	30	27	A	37	41	43	43	45	46	46	47	47	46	38	25	17	13	35.8	47.2
7-Jun-07	11	9	8	8	9	9	10	13	A	24	35	43	43	41	36	34	31	30	26	26	23	24	28	27	23.9	43.3
8-Jun-07	25	24	23	25	26	A	22	24	29	32	35	38	38	39	39	39	40	39	38	35	31	39	35	35	32.8	40.0
9-Jun-07	33	33	26	26	A	22	25	28	32	35	39	41	43	42	42	41	40	36	36	39	34	41	41	41	35.6	43.4
10-Jun-07	39	38	37	A	34	30	27	25	24	29	36	38	39	36	42	43	44	43	40	38	33	33	31	36	35.6	44.1
11-Jun-07	36	31	A	27	23	19	21	27	31	34	37	39	40	41	42	42	43	42	37	33	29	33	32	30	33.4	43.0
12-Jun-07	29	29	29	28	27	A	24	25	25	26	28	28	C	C	A	26	25	24	25	24	26	25	23	23	25.9	29.2
13-Jun-07	22	18	19	19	18	A	14	17	22	26	30	31	32	32	34	31	29	30	30	28	25	20	22	19	24.7	33.6
14-Jun-07	19	20	18	19	A	11	8	13	17	23	29	32	35	34	34	33	35	36	36	35	33	31	26	21	25.9	36.3
15-Jun-07	17	14	14	A	10	8	9	16	22	30	34	37	36	35	35	36	35	35	28	30	28	26	19	18	24.8	36.6
16-Jun-07	16	14	A	19	19	15	21	23	23	24	27	30	30	28	31	30	30	29	31	29	27	23	17	9	23.7	30.5
17-Jun-07	11	A	9	12	12	11	11	13	16	24	30	34	34	35	37	39	38	35	32	33	31	20	7	9	23.2	38.6
18-Jun-07	A	6	6	12	14	15	14	20	26	28	34	35	35	33	28	25	27	28	29	30	28	25	24	A	23.8	35.3
19-Jun-07	21	21	20	20	17	14	16	15	25	26	C	C	A	M	34	34	31	33	35	28	29	26	24	25	24.7	35.3
20-Jun-07	26	24	21	21	16	A	15	12	16	17	23	26	30	34	33	34	36	35	34	31	29	27	25	23	25.5	35.9
21-Jun-07	23	22	22	20	A	19	20	19	22	29	30	32	37	39	39	39	40	40	40	38	33	31	29	22	29.8	40.4
22-Jun-07	26	19	19	11	10	A	15	19	26	32	35	42	46	40	37	47	47	48	49	47	45	38	38	35	33.5	48.8
23-Jun-07	32	30	27	25	A	26	26	31	34	35	35	35	34	35	35	34	34	34	35	33	31	28	27	26	31.3	35.1
24-Jun-07	25	23	19	A	16	19	23	25	29	31	33	35	37	39	39	36	29	34	32	32	28	17	16	15	27.5	39.2
25-Jun-07	16	13	A	17	18	12	12	17	20	22	29	32	35	36	36	33	35	33	32	30	25	28	26	25	25.2	36.3
26-Jun-07	23	A	19	16	16	15	18	23	26	31	34	36	36	36	37	38	39	40	40	39	35	30	29	31	29.9	40.3
27-Jun-07	A	32	30	27	25	23	23	P	31	36	35	C	C	45	48	48	48	43	39	39	41	42	38	34	36.3	48.0
28-Jun-07	37	36	34	29	26	A	26	32	31	32	32	36	38	41	40	40	41	40	26	26	38	33	29	27	33.5	41.0
29-Jun-07	33	28	21	19	A	11	14	20	28	34	41	40	42	41	42	32	33	33	37	36	34	34	34	31.8	42.4	
30-Jun-07	33	31	30	A	26	21	19	19	23	24	25	27	27	27	27	26	27	28	27	25	24	26	26	25.9	33.2	

Hourly Avg	26.3	24.1	22.9	20.7	19.8	17.9	19.0	21.7	25.6	29.5	35.0	36.9	38.8	38.9	38.5	38.3	36.7	35.5	33.5	30.7	28.2	27.2		
Hourly Max	39.5	38.3	37.4	34.7	34.5	34.1	32.0	39.6	47.0	49.7	54.0	56.6	58.6	60.7	61.4	61.8	65.8	67.1	61.9	53.1	44.6	45.9	41.5	43.9

HOURLY AVERAGE TABLE

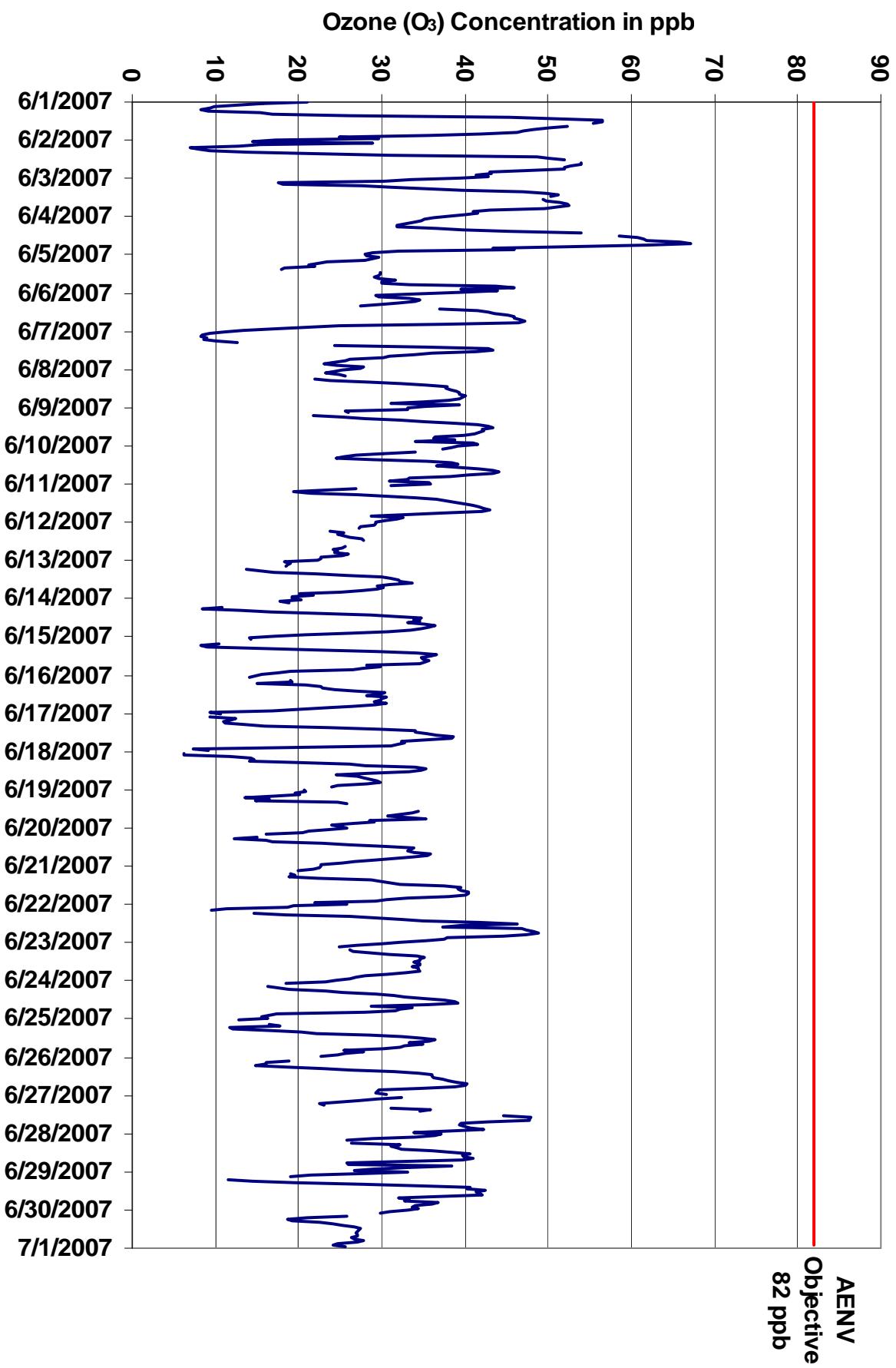
Ozone (O₃)



Status Flag Characters

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

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



Station: Henry Pirker
 Station Owner: PASZA

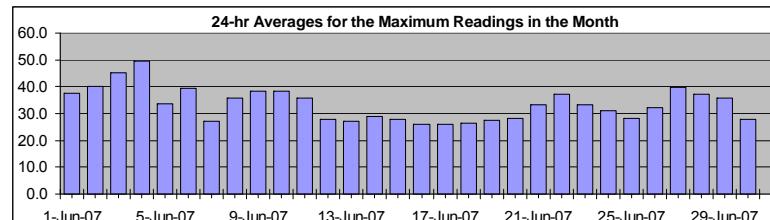
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	72.9	ppb	4-Jun	17:00 18:00
Maximum 24-hr Value:	49.6	ppb	4-Jun	



AIC Time:	32 hrs	Operational Time:	680 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	99.7%
Percentile	99 95 75 50 25 5 1	Average	Median
	60.2 51.8 39.7 33.4 26.6 15.3 10.8	33.4 ppb	33.4 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	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 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																												
1-Jun-07	27	20	19	14	12	10	14	19	23	37	56	59	60	59	A	55	53	51	50	60	53	43	32	37	37.4	59.9			
2-Jun-07	35	29	34	21	24	9	13	11	23	46	54	54	59	A	56	56	55	54	52	48	46	45	45	40.1	59.5				
3-Jun-07	43	35	35	30	28	29	37	46	51	52	53	52	A	51	52	53	54	54	53	52	49	43	43	41	45.1	54.0			
4-Jun-07	39	38	37	36	35	34	34	39	42	51	58	A	61	63	63	64	71	73	66	57	51	51	41	38	49.6	72.9			
5-Jun-07	32	31	34	30	27	25	24	26	24	25	A	32	32	31	32	32	35	32	33	45	47	49	46	46	33.5	48.6			
6-Jun-07	45	32	31	36	36	36	34	33	30	A	40	44	45	46	48	49	49	49	49	45	34	24	18	39.3	49.3				
7-Jun-07	16	13	14	13	11	10	11	15	A	32	41	45	45	44	38	38	34	32	30	29	26	27	29	29	27.1	45.4			
8-Jun-07	27	26	26	26	28	A	25	27	34	35	39	40	41	41	42	42	42	42	42	38	37	42	41	35.7	42.3				
9-Jun-07	37	37	30	29	A	26	28	31	34	37	42	44	45	44	44	44	43	42	42	38	40	42	39	44	44.8				
10-Jun-07	41	40	38	A	36	32	29	27	27	35	39	40	43	41	45	46	46	46	46	45	41	36	35	33	39	38.2	46.2		
11-Jun-07	38	34	A	30	25	24	26	30	33	36	38	41	42	43	43	44	45	45	42	35	31	34	33	32	35.9	44.7			
12-Jun-07	31	30	30	29	28	A	26	28	27	29	29	29	C	C	A	27	28	26	27	26	27	27	25	24	27.7	30.9			
13-Jun-07	24	21	21	20	20	A	15	21	24	29	31	32	33	34	36	35	32	32	32	30	29	23	24	23	27.1	35.6			
14-Jun-07	22	23	22	21	A	13	10	16	19	27	33	34	36	36	38	36	37	38	38	38	38	37	34	30	25	28.9	38.4		
15-Jun-07	21	16	16	A	12	10	13	20	28	34	36	38	37	36	37	37	38	36	33	32	31	30	23	20	27.7	38.5			
16-Jun-07	19	15	A	21	22	20	22	24	24	26	29	32	32	30	32	32	32	30	32	32	29	27	23	12	26.1	32.4			
17-Jun-07	13	A	12	13	13	13	12	16	18	27	33	37	37	38	38	40	40	39	34	34	35	30	11	14	26.1	40.0			
18-Jun-07	A	9	10	16	15	17	17	29	29	33	35	36	37	36	33	28	29	31	32	30	26	26	A	26.5	36.7				
19-Jun-07	22	22	22	23	21	17	20	24	28	28	C	C	A	M	36	35	34	38	38	31	31	29	26	27	27.5	38.4			
20-Jun-07	28	27	23	23	20	A	17	15	17	20	27	30	34	36	36	36	37	38	36	35	33	30	29	25	28.2	37.6			
21-Jun-07	24	24	24	22	A	25	27	26	27	32	33	38	40	42	41	42	42	43	42	40	37	35	34	27	33.3	42.7			
22-Jun-07	28	23	26	15	14	A	19	24	31	34	39	47	48	47	42	50	49	50	50	49	48	43	41	38	37.1	50.1			
23-Jun-07	35	32	28	27	A	28	29	33	36	37	36	36	35	36	36	35	36	35	36	36	34	33	32	28	29	33.2	37.3		
24-Jun-07	27	26	24	A	21	23	27	27	31	33	34	38	39	40	40	40	33	37	39	36	32	26	19	18	30.9	40.4			
25-Jun-07	19	16	A	20	20	16	16	20	22	26	32	34	36	38	38	37	37	34	32	30	30	27	29	28.1	37.8				
26-Jun-07	25	A	21	18	18	19	23	25	29	34	36	38	37	37	39	39	40	42	43	40	39	33	31	32	32.1	42.8			
27-Jun-07	A	33	31	29	26	25	25	P	34	38	38	C	C	47	53	51	55	47	42	48	47	46	42	38	39.8	55.5			
28-Jun-07	39	40	37	37	31	A	33	35	33	34	33	38	41	43	43	42	44	43	37	37	41	36	33	33	37.4	43.5			
29-Jun-07	35	32	26	23	A	16	22	30	32	41	43	43	44	44	44	44	41	37	42	40	38	36	36	35.8	44.1				
30-Jun-07	35	33	32	A	29	25	21	21	25	26	27	28	29	28	28	29	28	29	30	29	27	26	29	27.7	35.2				

Hourly Avg	29.5	27.0	26.0	23.9	22.9	21.0	22.3	25.4	28.8	33.6	38.1	39.3	41.1	41.2	41.3	40.9	40.0	39.2	37.3	34.6	31.6	30.7		
Hourly Max	45.0	39.5	38.4	36.6	36.4	35.9	37.1	46.3	51.1	51.7	57.8	59.3	61.4	62.5	63.2	63.6	71.2	72.9	66.3	59.9	52.9	50.8	45.7	45.9

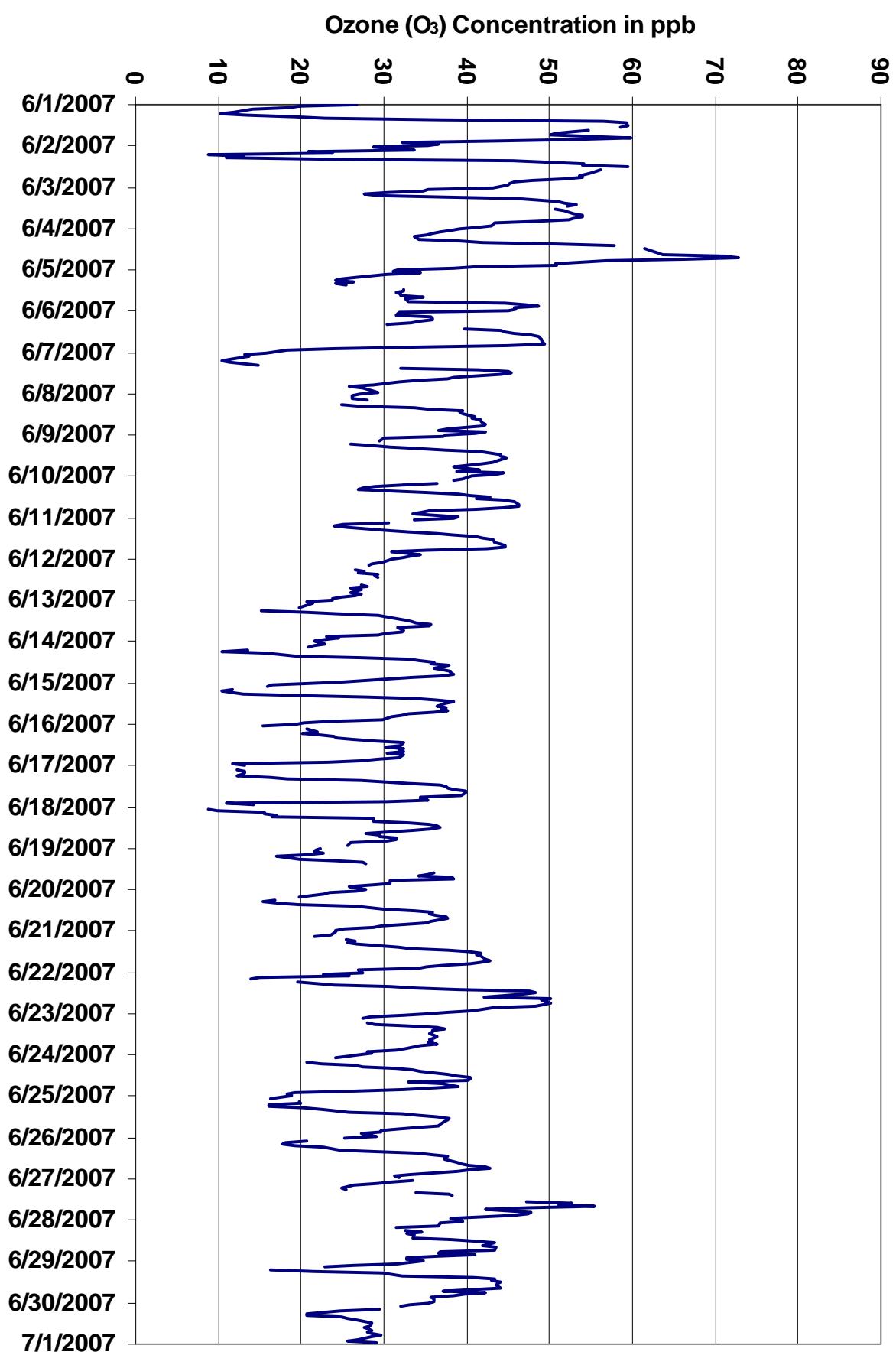
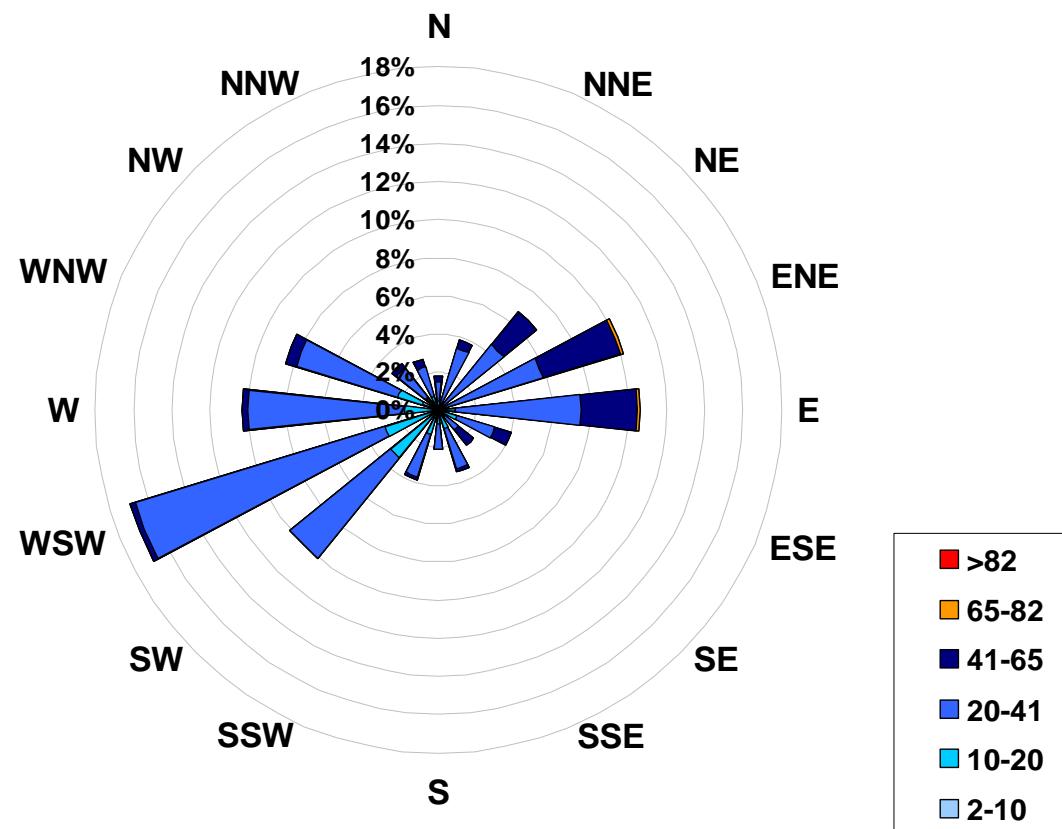


Figure 8. PASZA - Henry Piiker Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	<	10	22
10	to	20	100
20	to	41	459
41	to	65	97
65	to	82	2
	>	82	0
Total Non-Zero Values			680

PASZA - Henry Pirker - Ozone Eight Hour Average Summary

Station: Henry Pirker
 Station Owner: PASZA

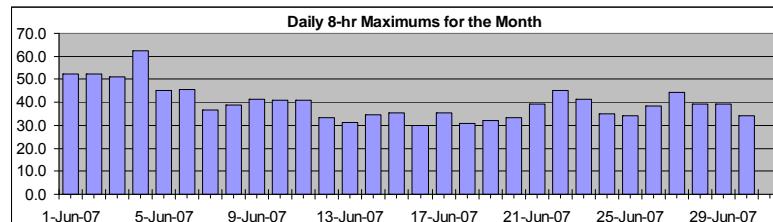
EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	62.5 ppb 4-Jun 18:00 19:00



Percentile	99	95	75	50	25	5	1
	53.9	45.7	36.0	30.1	24.0	15.5	10.9

Status Flag Characters

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

Day	Mountain Standard Time																								Daily Maximum	
	Hour Start 1:00	0:00 2:00	1:00 3:00	2:00 4:00	3:00 5:00	4:00 6:00	5:00 7:00	6:00 8:00	7:00 9:00	8:00 10:00	9:00 11:00	10:00 12:00	11:00 13:00	12:00 14:00	13:00 15:00	14:00 16:00	15:00 17:00	16:00 18:00	17:00 19:00	18:00 20:00	19:00 21:00	20:00 22:00	21:00 23:00	22:00 0:00		
1-Jun-07	42	38	34	29	24	19	16	13	12	13	18	23	29	35	39	44	49	52	52	51	49	46	43	40	52.3	
2-Jun-07	36	32	30	26	22	19	17	14	14	16	18	23	28	30	37	43	49	52	52	52	51	50	48	47	52.4	
3-Jun-07	45	43	40	36	33	31	30	30	31	33	35	39	42	45	48	50	51	51	51	51	50	49	48	46	51.0	
4-Jun-07	45	43	41	39	38	36	35	35	35	36	38	39	43	47	51	54	58	61	62	61	59	58	54	50	62.5	
5-Jun-07	45	40	36	33	31	28	26	25	24	23	22	22	23	24	25	26	28	30	30	30	32	34	35	37	45.0	
6-Jun-07	38	38	38	38	37	35	35	33	31	32	33	34	35	36	38	40	43	44	45	45	45	42	39	35	45.4	
7-Jun-07	31	26	21	16	13	11	10	10	9	12	15	20	25	30	34	37	36	37	36	33	31	29	28	27	36.7	
8-Jun-07	26	26	25	25	25	26	25	24	25	26	28	29	31	32	34	36	37	38	39	39	39	38	38	37	38.9	
9-Jun-07	36	36	34	32	32	31	29	28	27	28	30	32	33	36	38	40	41	41	41	41	40	39	39	39	41.5	
10-Jun-07	38	38	38	39	38	37	35	33	31	30	29	31	31	32	34	36	38	40	41	41	40	40	38	37	40.9	
11-Jun-07	36	35	34	32	31	29	28	26	26	26	27	29	31	34	36	38	40	41	41	40	39	38	36	35	40.7	
12-Jun-07	33	32	31	30	30	29	28	27	27	26	26	26	N	N	N	N	N	N	N	N	N	N	25	25	24	33.2
13-Jun-07	24	23	23	22	21	20	19	18	18	19	21	23	25	25	28	30	31	31	31	31	30	28	27	25	31.2	
14-Jun-07	24	23	21	20	20	18	16	15	15	15	17	19	21	24	27	29	32	34	34	35	35	34	33	32	34.8	
15-Jun-07	29	27	24	22	19	16	13	13	13	16	18	21	24	27	30	33	35	35	34	34	33	32	30	27	35.2	
16-Jun-07	25	22	21	20	19	17	17	18	19	21	21	23	24	26	27	28	29	29	30	30	29	29	27	24	29.8	
17-Jun-07	22	21	18	15	13	12	11	11	12	14	16	19	22	25	28	31	34	35	36	35	35	33	29	26	35.6	
18-Jun-07	24	20	16	13	11	10	11	12	14	17	20	23	26	28	30	31	31	31	30	29	29	27	27	27	30.7	
19-Jun-07	26	25	24	23	21	19	18	18	18	19	19	N	N	N	N	N	N	N	N	N	32	31	30	29	32.1	
20-Jun-07	28	27	25	24	23	22	21	19	18	17	17	18	20	22	24	27	29	31	33	33	32	31	30	30	33.4	
21-Jun-07	28	27	25	24	23	22	21	21	21	21	23	24	26	29	31	34	36	37	39	39	38	36	34	34	39.3	
22-Jun-07	32	30	27	24	21	19	17	17	17	19	21	25	31	32	35	38	41	43	45	45	45	45	45	45	45.2	
23-Jun-07	41	39	36	34	32	30	29	28	29	29	30	32	32	33	34	34	34	34	34	34	34	33	32	31	41.5	
24-Jun-07	30	28	26	25	23	22	22	21	22	23	25	27	29	32	34	35	35	35	35	35	33	31	28	25	35.1	
25-Jun-07	24	21	20	18	16	15	15	15	17	18	20	22	25	28	30	32	34	34	34	33	32	30	29	29	34.1	
26-Jun-07	28	27	25	23	22	20	19	19	19	21	23	25	28	30	33	34	36	37	38	38	37	36	35	35	38.2	
27-Jun-07	35	34	32	30	29	28	27	N	27	28	28	N	N	N	N	N	N	N	44	44	43	42	41	41	44.2	
28-Jun-07	39	38	38	36	35	33	32	32	31	30	30	31	33	34	35	36	37	38	38	36	35	34	32	32	39.2	
29-Jun-07	31	30	29	29	27	24	22	21	20	21	24	27	29	33	36	39	39	39	38	38	37	36	35	34	34.3	
30-Jun-07	34	34	34	33	32	30	28	26	24	23	22	23	23	24	25	26	26	27	27	27	27	26	26	26	34.3	

Hourly Max 45.1 42.8 40.6 38.7 37.9 37.4 35.4 34.8 35.0 36.1 38.4 39.3 42.5 46.6 50.9 54.5 58.2 61.3 62.5 61.3 59.4 57.6 53.9 49.8

PASZA - Henry Pirker - Carbon Monoxide Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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: 0.5 ppm 15-Jun 13:00 14:00

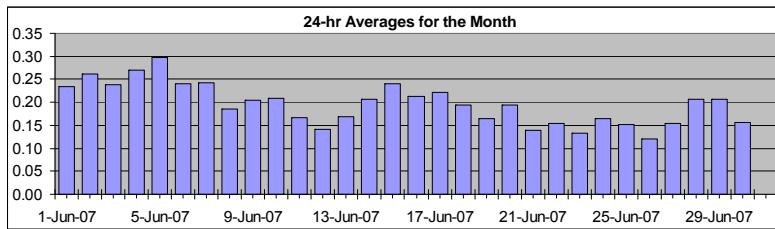
Maximum 24-hr Value: 0.3 ppm 5-Jun

AIC Time:	31 hrs		Operational Time:	682 hrs					
Calibration Time:	5 hrs		AMD Operational Uptime:	99.7%					
Percentile	99	95	75	50	25	5	1	Average	Median
	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.2 ppm	0.2 ppm

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start 1:00	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-Jun-07	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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.23	0.35
2-Jun-07	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.3	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.26	0.36
3-Jun-07	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	A	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.24	0.27	
4-Jun-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	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.27	0.35	
5-Jun-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	A	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.30	0.46	
6-Jun-07	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.24	0.44	
7-Jun-07	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	A	0.2	0.2	C	C	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.24	0.41
8-Jun-07	0.2	0.2	0.1	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	0.19	0.24	
9-Jun-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	0.3	0.2	0.20	0.28	
10-Jun-07	0.2	0.2	0.2	A	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.25	
11-Jun-07	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.17	0.18	
12-Jun-07	0.2	0.2	0.1	0.1	0.1	A	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.16	
13-Jun-07	0.2	0.2	0.1	0.1	0.1	A	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.17	0.23	
14-Jun-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	0.21	0.27	
15-Jun-07	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.24	0.48	
16-Jun-07	0.3	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.26	
17-Jun-07	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.22	0.41	
18-Jun-07	A	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.19	0.30	
19-Jun-07	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	M	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.16	0.21	
20-Jun-07	0.2	0.2	0.2	0.2	A	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.26	
21-Jun-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.14	0.24	
22-Jun-07	0.1	0.1	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	0.1	0.1	0.1	0.1	0.2	0.2	0.15	0.19	
23-Jun-07	0.2	0.2	0.2	0.2	A	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.13	0.16	
24-Jun-07	0.1	0.2	0.2	A	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16	0.30	
25-Jun-07	0.2	0.2	A	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.15	0.21	
26-Jun-07	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.12	0.17	
27-Jun-07	A	0.1	0.1	0.1	0.1	0.2	0.2	P	C	C	C	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.15	0.19	
28-Jun-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	0.2	0.21	0.29	
29-Jun-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	0.3	0.3	0.2	0.2	0.2	0.2	0.21	0.26	
30-Jun-07	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.16	0.19	

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)



Status Flag Characters

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

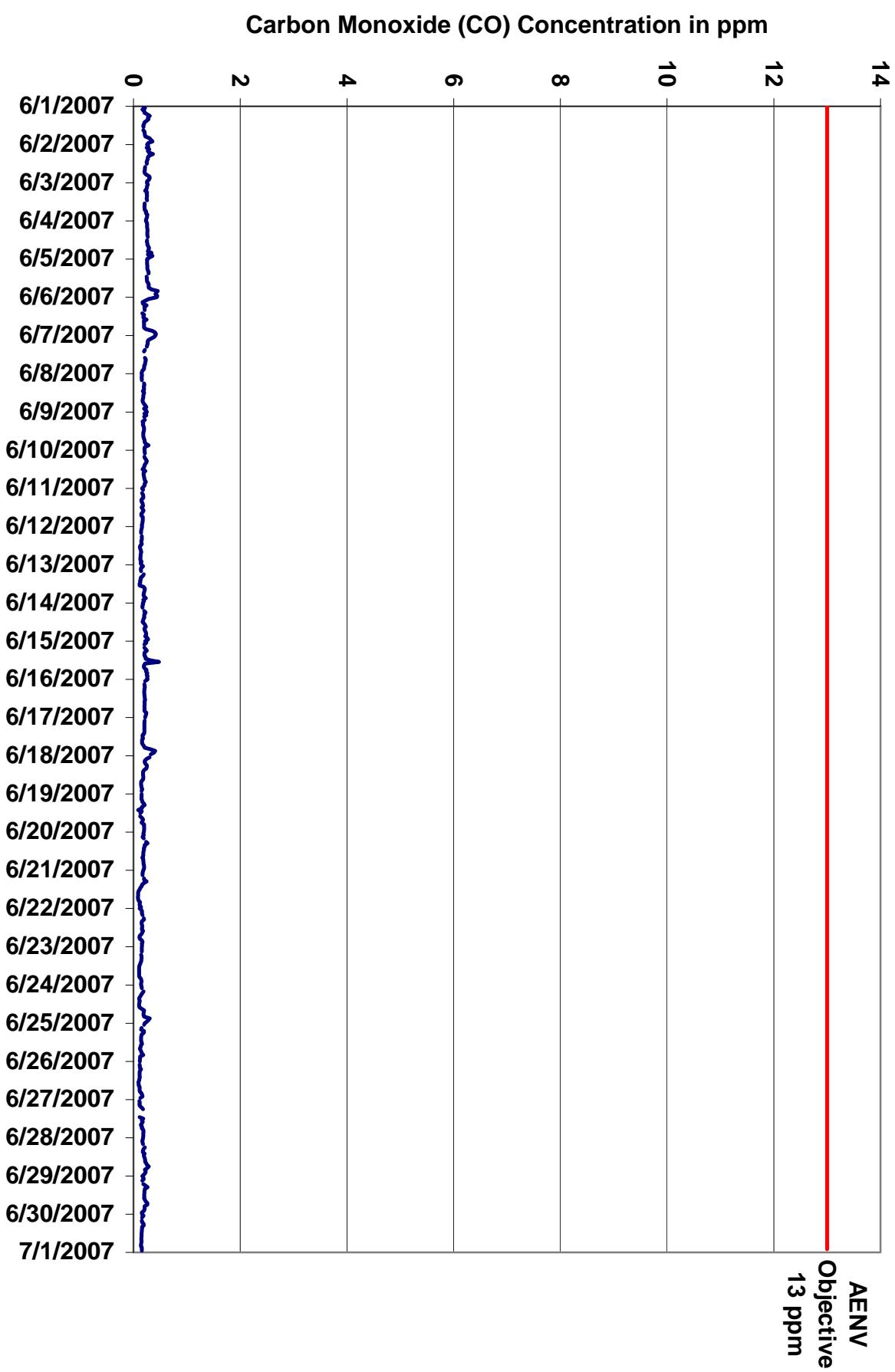


Figure 9. PASZA - Henry Pirker Carbon Monoxide 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

Monitoring Dates: June 1, 2007 to July 1, 2007

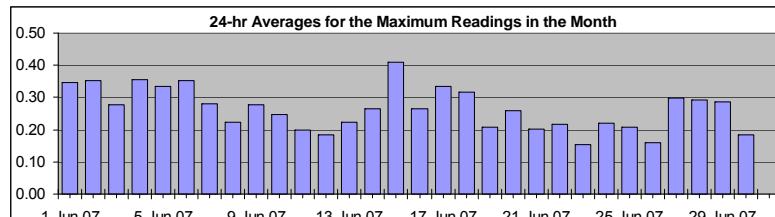
Summary

Maximum 1-hr Value:	1.8	ppm	15-Jun	13:00 14:00
Maximum 24-hr Value:	0.4	ppm	15-Jun	

AIC Time:	31 hrs	Operational Time:	682 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	99.7%						
Percentile	99 0.9	95 0.5	75 0.3	50 0.2	25 0.2	5 0.1	1 0.1	Average 0.3 ppm	Median 0.2 ppm

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	24:00			
1-Jun-07	0.3	0.3	0.2	0.3	0.3	0.9	0.4	0.3	0.4	0.3	0.3	0.2	0.2	0.3	A	0.3	0.3	0.3	0.3	0.3	0.9	0.5	0.5	0.4	0.35	0.94	
2-Jun-07	0.3	0.4	0.3	0.3	0.3	0.7	0.6	0.3	0.4	0.4	0.3	0.3	0.3	A	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.35	0.71	
3-Jun-07	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.28	0.40	
4-Jun-07	0.3	0.3	0.5	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	A	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.9	0.4	0.36	0.85
5-Jun-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	A	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.5	0.33	0.55	
6-Jun-07	0.5	0.4	0.3	0.2	0.3	0.4	0.3	0.3	A	0.3	0.7	0.2	0.3	0.8	0.2	0.2	0.3	0.3	0.2	0.3	0.5	0.4	0.4	0.4	0.35	0.76	
7-Jun-07	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	A	0.2	0.2	C	C	A	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.28	0.45	
8-Jun-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.2	0.22	0.36	
9-Jun-07	0.3	0.2	0.4	0.2	A	0.4	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.6	0.3	0.2	0.28	0.65	
10-Jun-07	0.3	0.3	0.3	A	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.25	0.36	
11-Jun-07	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	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.28	
12-Jun-07	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.18	0.37	
13-Jun-07	0.2	0.2	0.2	0.1	0.2	A	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.22	0.35	
14-Jun-07	0.2	0.2	0.2	0.2	A	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.27	0.46	
15-Jun-07	0.3	0.3	0.2	A	0.3	0.3	0.3	0.2	0.2	0.5	0.3	1.4	1.8	0.7	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.41	1.84	
16-Jun-07	0.3	0.3	A	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.27	0.32	
17-Jun-07	0.3	A	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.3	0.2	0.3	0.4	0.8	1.0	0.6	0.6	0.33	0.96		
18-Jun-07	A	0.4	0.5	0.2	0.2	0.3	0.4	1.4	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	A	0.32	1.42	
19-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	M	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.32	
20-Jun-07	0.2	0.2	0.2	0.2	A	0.3	0.3	0.4	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.26	0.47	
21-Jun-07	0.2	0.2	0.2	0.2	A	0.4	0.3	0.5	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.20	0.48	
22-Jun-07	0.1	0.1	0.2	0.2	0.4	A	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.22	0.42	
23-Jun-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	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.15	0.19	
24-Jun-07	0.2	0.2	0.2	A	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.3	0.22	0.46	
25-Jun-07	0.3	0.3	A	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.5	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.21	0.53	
26-Jun-07	0.1	A	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.16	0.31	
27-Jun-07	A	0.1	0.5	0.2	0.2	0.2	0.3	P	C	C	C	0.2	0.2	0.2	0.2	0.2	0.3	0.2	1.5	0.3	0.3	0.2	0.2	0.2	0.2	0.30	1.48
28-Jun-07	0.3	0.2	0.2	0.2	0.2	A	0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.9	0.3	0.3	0.29	0.85	
29-Jun-07	0.2	0.2	0.2	0.2	A	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.7	0.4	0.3	0.3	0.3	0.3	0.29	0.68	
30-Jun-07	0.2	0.3	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.25	



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

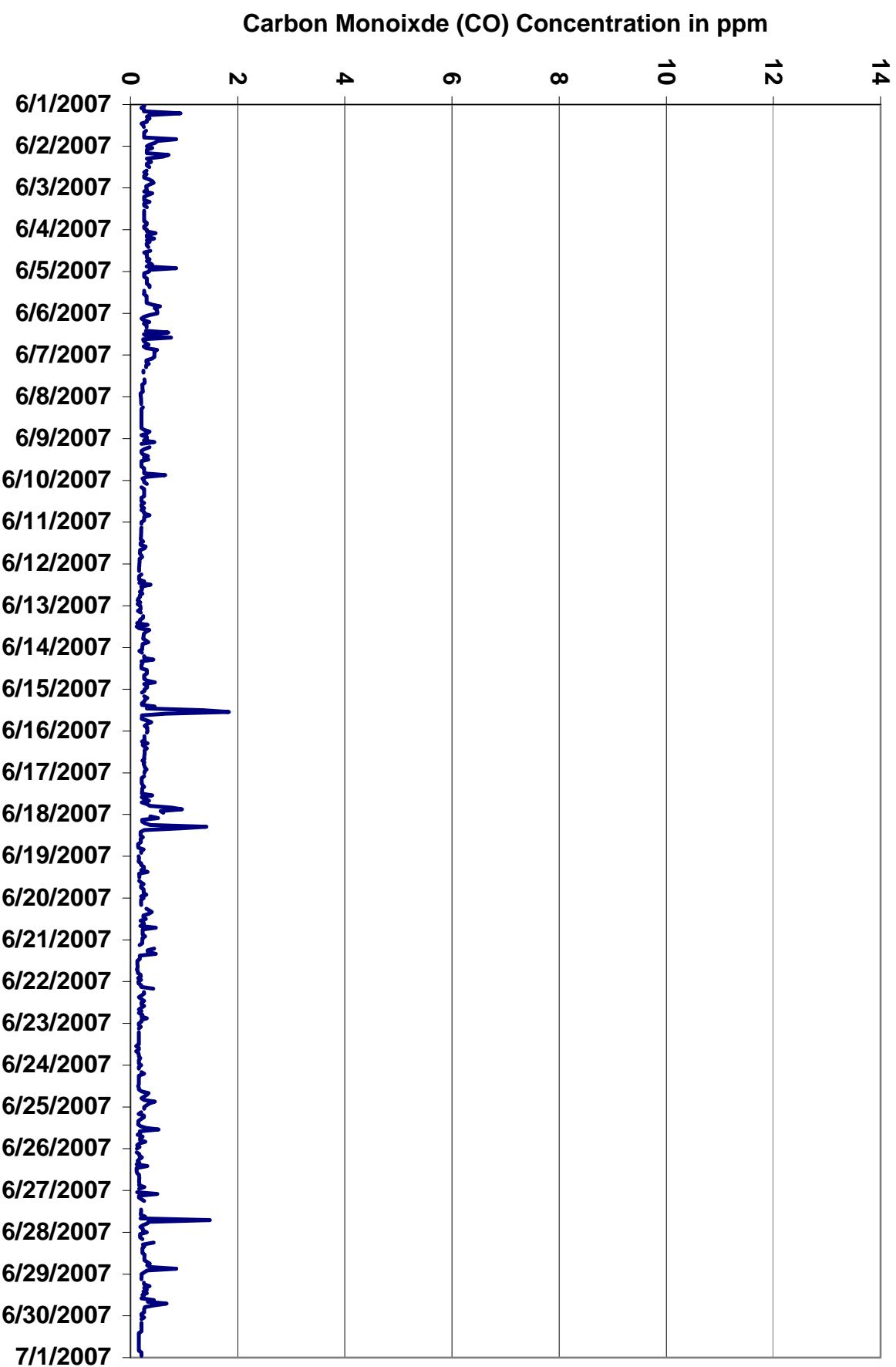
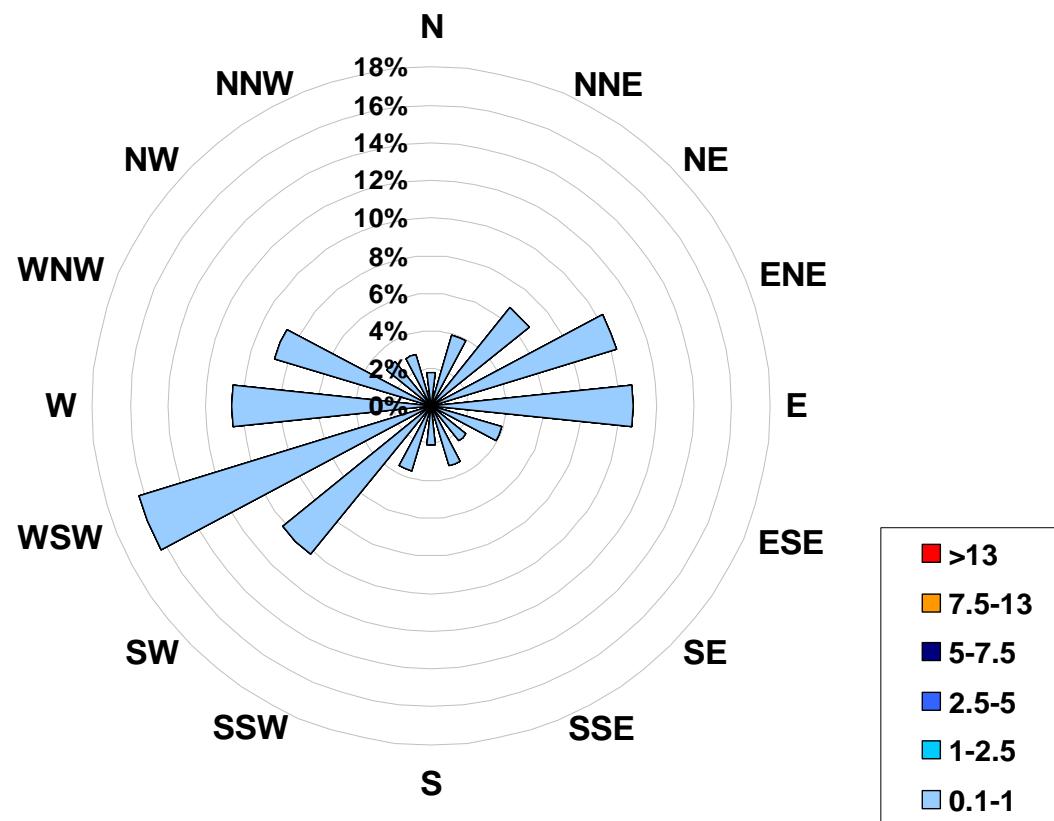


Figure 10. PASZA - Henry Pirker Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



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

Frequency Distribution of CO in ppm			Frequency (hrs)
Range			
0.1	<	1	682
1	to	2.5	0
2.5	to	5	0
5	to	7.5	0
7.5	to	13	0
>		13	0
Total Non-Zero Values			682

PASZA - Henry Pirker - Carbon Monoxide Eight Hour Average Summary

Station: Henry Pirker
Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

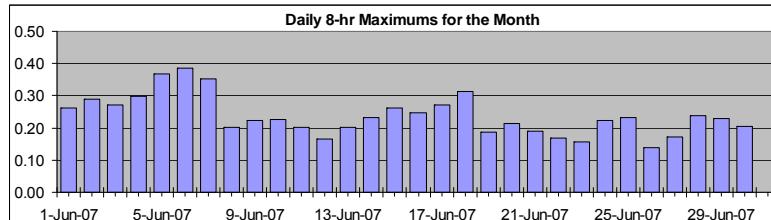
Monitoring Dates: June 1, 2007 to July 1, 2007

Objective Limit: Alberta Environment: 8-hr 5 ppm

Summary

Number of 8-hr Exceedances: 0

Maximum 8-hr Average: 0.4 ppm 6-Jun 1:00 2:00



Status Flag Characters

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

Day Mountain Standard Time

	Hour Start 1:00	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 2:00	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	0:00		
1-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	
2-Jun-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	0.2	0.2	
3-Jun-07	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
4-Jun-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	0.3	0.3	
5-Jun-07	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
6-Jun-07	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	
7-Jun-07	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.2	N	N	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.2	
8-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
9-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
10-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
11-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
12-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
13-Jun-07	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
14-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
15-Jun-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	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	
16-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
17-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	
18-Jun-07	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
19-Jun-07	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	
20-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
21-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
22-Jun-07	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
23-Jun-07	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
24-Jun-07	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	
25-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
26-Jun-07	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
27-Jun-07	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N	N	N	N	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.2	0.2	0.2
28-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
29-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
30-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Hourly Max 0.39 0.39 0.38 0.36 0.35 0.34 0.32 0.30 0.29 0.29 0.29 0.28 0.28 0.28 0.26 0.26 0.26 0.27 0.27 0.28 0.30 0.33 0.34 0.37

PASZA - Henry Pirker - Total Hydrocarbons Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

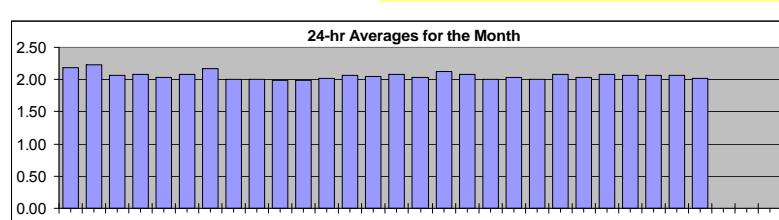
Monitoring Dates: June 1, 2007 to July 1, 2007

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

Maximum 1-hr Average:	2.8	ppm	2-Jun	6:00 7:00
Maximum 24-hr Value:	2.2	ppm	2-Jun	

AIC Time:	30 hrs	Operational Time:	656 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	95.7%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.6	2.3	2.1	2.0	2.0	2.0	1.9	2.1 ppm	2.0 ppm

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-Jun-07	2.2	2.2	2.3	2.5	2.5	2.5	2.6	2.3	2.3	2.2	2.1	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.18	2.57	
2-Jun-07	2.3	2.3	2.3	2.6	2.6	2.7	2.8	2.7	2.4	2.2	2.1	2.1	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.23	2.76	
3-Jun-07	2.1	2.2	2.2	2.4	2.4	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.07	2.40		
4-Jun-07	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.4	2.38			
5-Jun-07	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.1	2.1	2.0	A	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.03	2.20		
6-Jun-07	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.08	2.51		
7-Jun-07	2.6	2.6	2.6	2.6	2.7	2.3	2.2	2.2	A	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.17	2.68		
8-Jun-07	2.0	2.0	2.0	2.0	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	2.0	2.0	2.0	2.00	2.20	
9-Jun-07	2.1	2.0	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.09	
10-Jun-07	2.0	2.0	2.0	A	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.0	2.0	1.99	2.13	
11-Jun-07	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	2.0	2.0	2.0	2.0	2.0	2.0	1.98	2.05	
12-Jun-07	2.0	2.0	2.0	2.0	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	2.0	2.0	2.0	2.02	2.14	
13-Jun-07	2.1	2.2	2.2	2.1	2.1	A	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.06	2.27
14-Jun-07	2.1	2.1	2.1	2.1	A	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.04	2.27
15-Jun-07	2.1	2.2	2.2	A	2.4	2.3	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.08	2.38	
16-Jun-07	2.1	2.1	A	2.1	2.1	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.04	2.19	
17-Jun-07	2.2	A	2.4	2.3	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.3	2.12	2.41	
18-Jun-07	A	2.7	2.6	2.2	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.08	2.73	
19-Jun-07	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.0	C	C	A	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.14	
20-Jun-07	2.0	2.0	2.0	2.1	2.1	A	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.03	2.13	
21-Jun-07	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00	2.09	
22-Jun-07	2.1	2.2	2.2	2.4	2.4	A	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.08	2.41	
23-Jun-07	2.2	2.1	2.1	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.03	2.17	
24-Jun-07	2.1	2.2	2.3	A	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.08	2.26	
25-Jun-07	2.2	2.3	A	2.2	2.1	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.07	2.34	
26-Jun-07	2.1	A	2.3	2.3	2.3	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.07	2.34	
27-Jun-07	A	2.0	2.0	2.1	2.1	2.1	2.1	P	2.2	2.2	2.2	2.2	2.1	C	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.06	2.23
28-Jun-07	2.0	2.0	2.1	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	2.10	
29-Jun-07	1.9	2.0	2.0	2.2	A	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	N	N	N	N	N	N	N	2.19	
30-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.00		



Total Hydrocarbons (THC)

Hourly Avg	2.11	2.15	2.16	2.18	2.20	2.17	2.13	2.10	2.07	2.04	2.01	1.99	1.98	1.99	1.98	1.98	1.98	1.99	1.99	1.99	2.01	2.05	2.09	2.11
Hourly Max	2.65	2.73	2.57	2.63	2.68	2.70	2.76	2.69	2.44	2.21	2.23	2.17	2.12	2.04	2.27	2.04	2.07	2.05	2.22	2.04	2.11	2.22	2.51	2.46

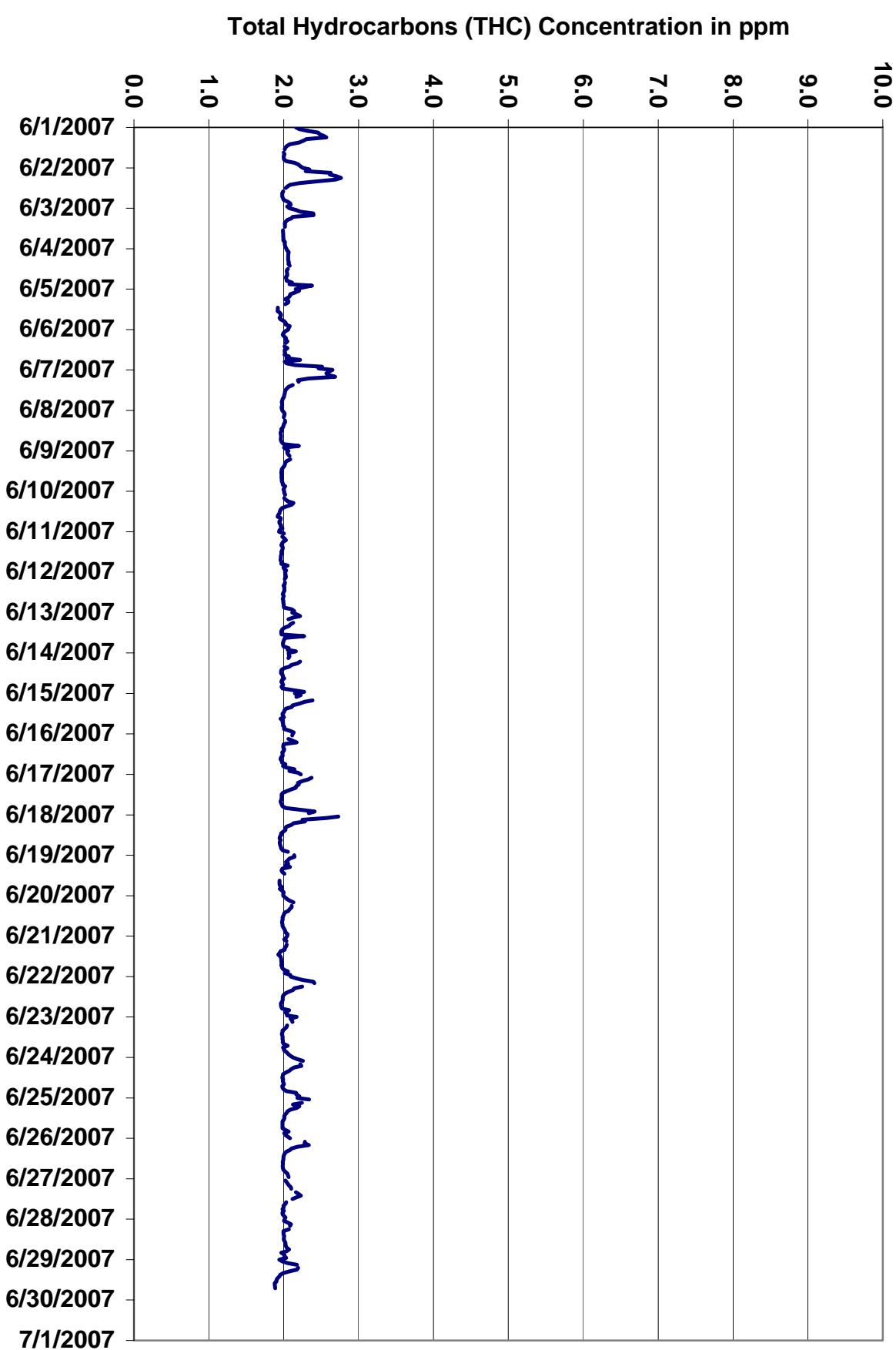


Figure 11. PASZA - Henry Pirker Total Hydrocarbons 1-hr Average Monthly Trend

Station: Henry Pirker
Station Owner: PASZA

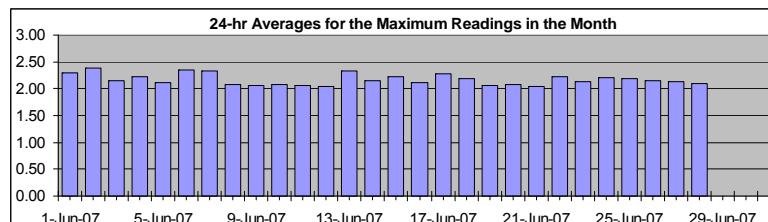
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

Monitoring Dates: June 1, 2007 to July 1, 2007

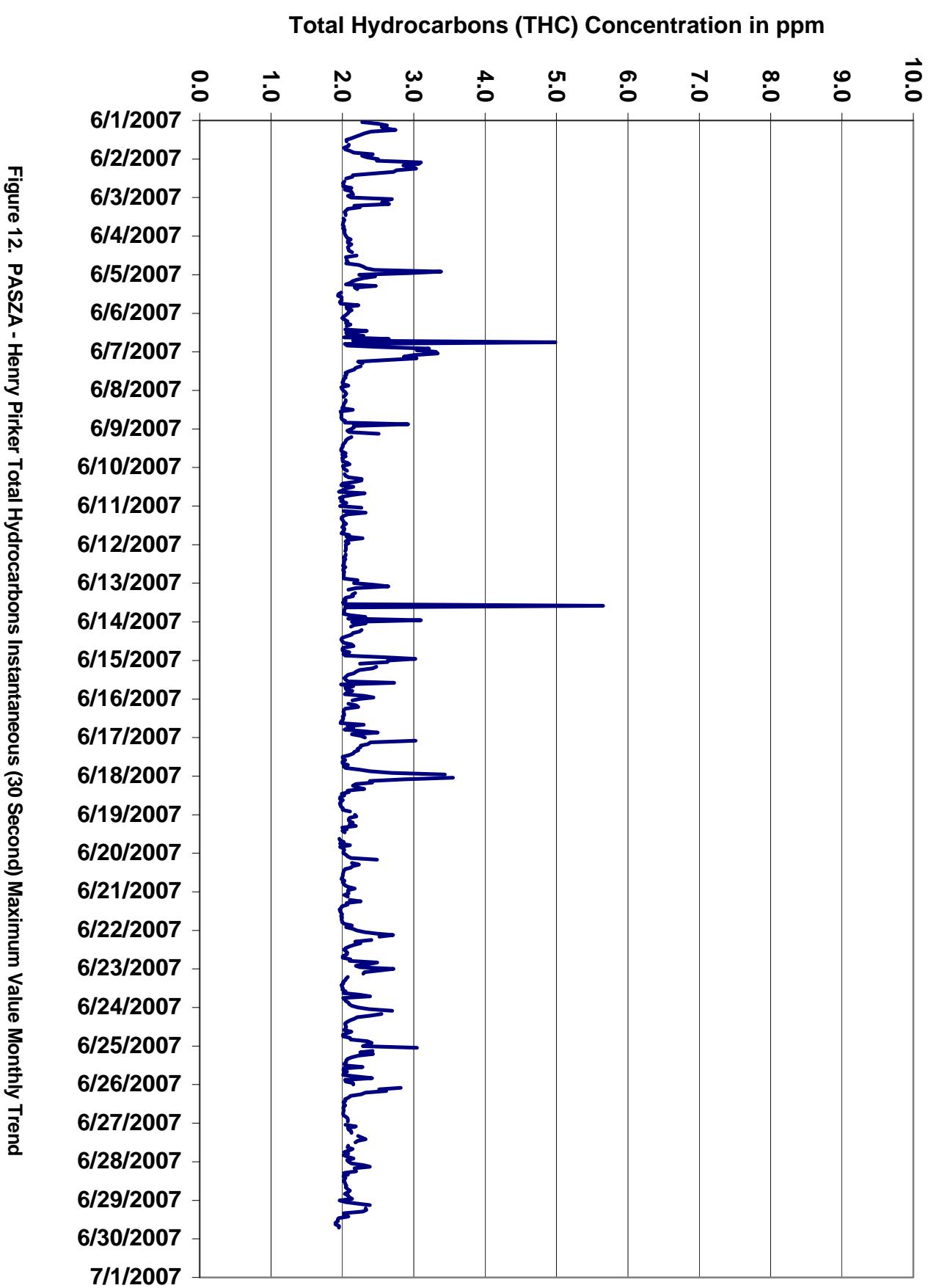
Summary

Maximum 1-hr Value: 5.7 ppm 13-Jun 14:00 15:00
Maximum 24-hr Value: 2.4 ppm 2-Jun

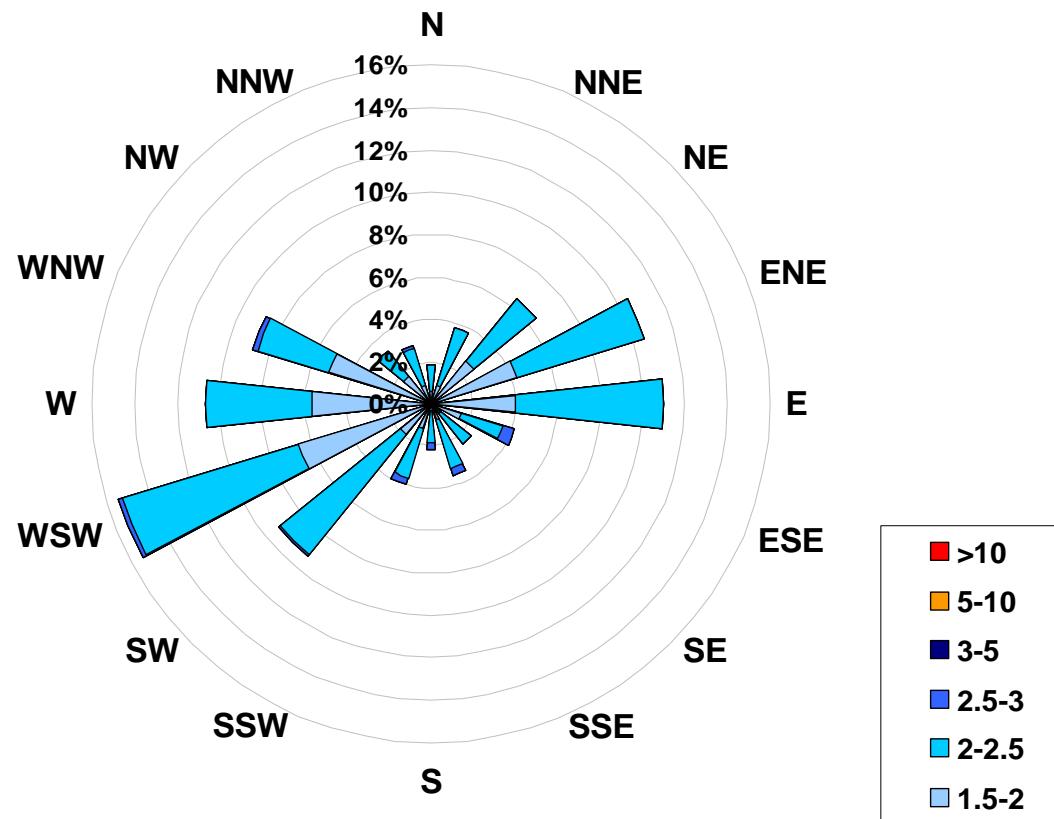


AIC Time:	30 hrs			Operational Time:				656 hrs
Calibration Time:	3 hrs			AMD Operational Uptime:				95.7%
Percentile	99	95	75	50	25	5	1	Average 2.2 ppm
	3.3	2.7	2.2	2.1	2.0	2.0	1.9	Median 2.1 ppm

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



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



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

Frequency Distribution of THC in ppm			Frequency (hrs)
Range			
1.5	<	2	252
2	to	2.5	389
2.5	to	3	15
3	to	5	0
5	to	10	0
>	10		0
Total Non-Zero Values			656

PASZA - Henry Pirker - Total Reduced Sulphur Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Maximum 1-hr Average:	3.8	ppb	2-Jun	5:00 6:00
Maximum 24-hr Value:	0.7	ppb	2-Jun	

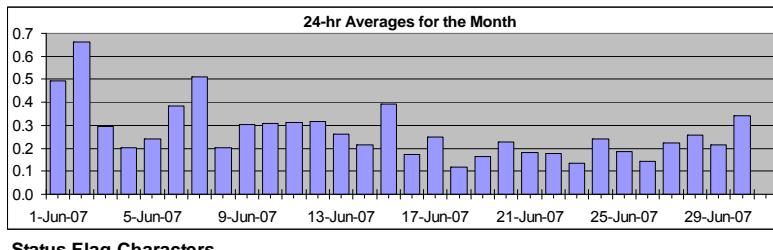
AIC Time:	31 hrs		Operational Time:	685 hrs					
Calibration Time:	3 hrs		AMD Operational Uptime:	99.9%					
Percentile	99	95	75	50	25	5	1	Average	Median
	1.3	0.6	0.3	0.2	0.1	0.0	0.0	0.3 ppb	0.2 ppb

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-Jun-07	0	0	0	1	2	1	2	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.5	1.9	
2-Jun-07	1	1	0	1	2	4	2	1	1	1	1	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.7	3.8
3-Jun-07	0	0	0	1	1	1	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8
4-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.2	0.4
5-Jun-07	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.2	0.6
6-Jun-07	0	1	1	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	0.6
7-Jun-07	1	1	1	2	2	1	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.6
8-Jun-07	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
9-Jun-07	0	0	1	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
10-Jun-07	0	0	0	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
11-Jun-07	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9
12-Jun-07	0	1	1	1	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
13-Jun-07	1	0	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7
14-Jun-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	0	0.2	0.5
15-Jun-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	0	0.4	1.0
16-Jun-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	0.4
17-Jun-07	0	A	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
18-Jun-07	A	0	1	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	0.7
19-Jun-07	1	0	0	0	0	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
20-Jun-07	0	0	0	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
21-Jun-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
22-Jun-07	0	0	1	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
23-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
24-Jun-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	0.4
25-Jun-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	0.5
26-Jun-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	0.1	0.4
27-Jun-07	A	0	0	0	0	0	0	P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
28-Jun-07	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6
29-Jun-07	0	0	0	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5
30-Jun-07	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5

Hourly Avg	0.3	0.4	0.5	0.4	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Hourly Max	0.7	1.1	1.3	1.6	1.9	3.8	2.5	1.0	0.9	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)



Status Flag Characters

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

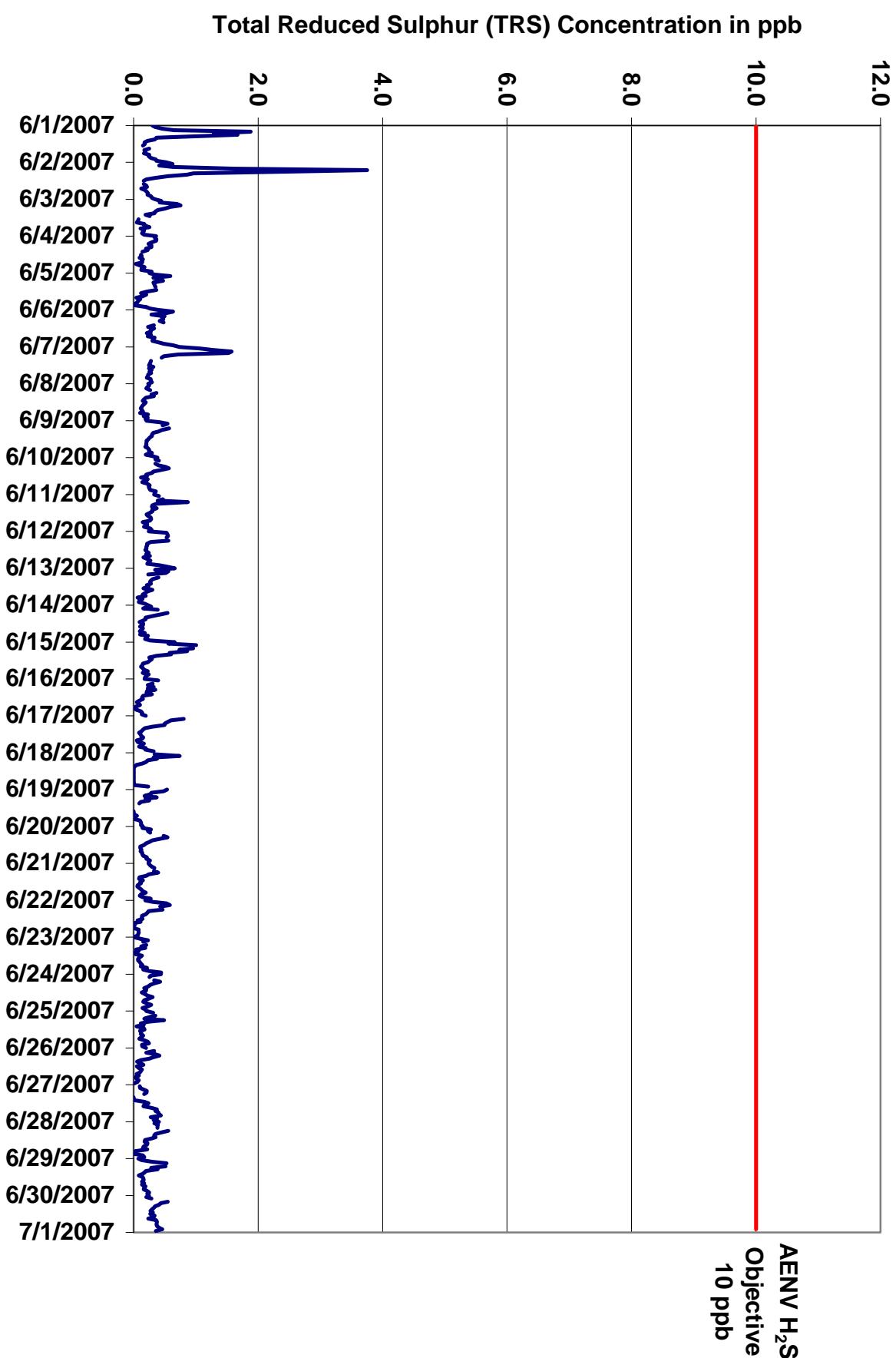


Figure 13. PASZA - Henry Pirker Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: June 1, 2007 to July 1, 2007

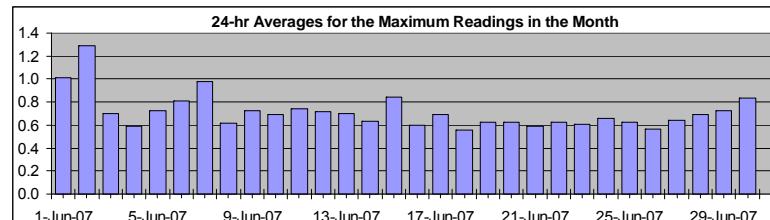
Summary

Maximum 1-hr Value:	4.9	ppb	2-Jun	5:00 6:00
Maximum 24-hr Value:	1.3	ppb	2-Jun	

AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	3 hrs	AMD Operational Uptime:	99.9%						
Percentile	99 2.1	95 1.2	75 0.8	50 0.6	25 0.5	5 0.4	1 0.3	Average 0.7 ppb	Median 0.6 ppb

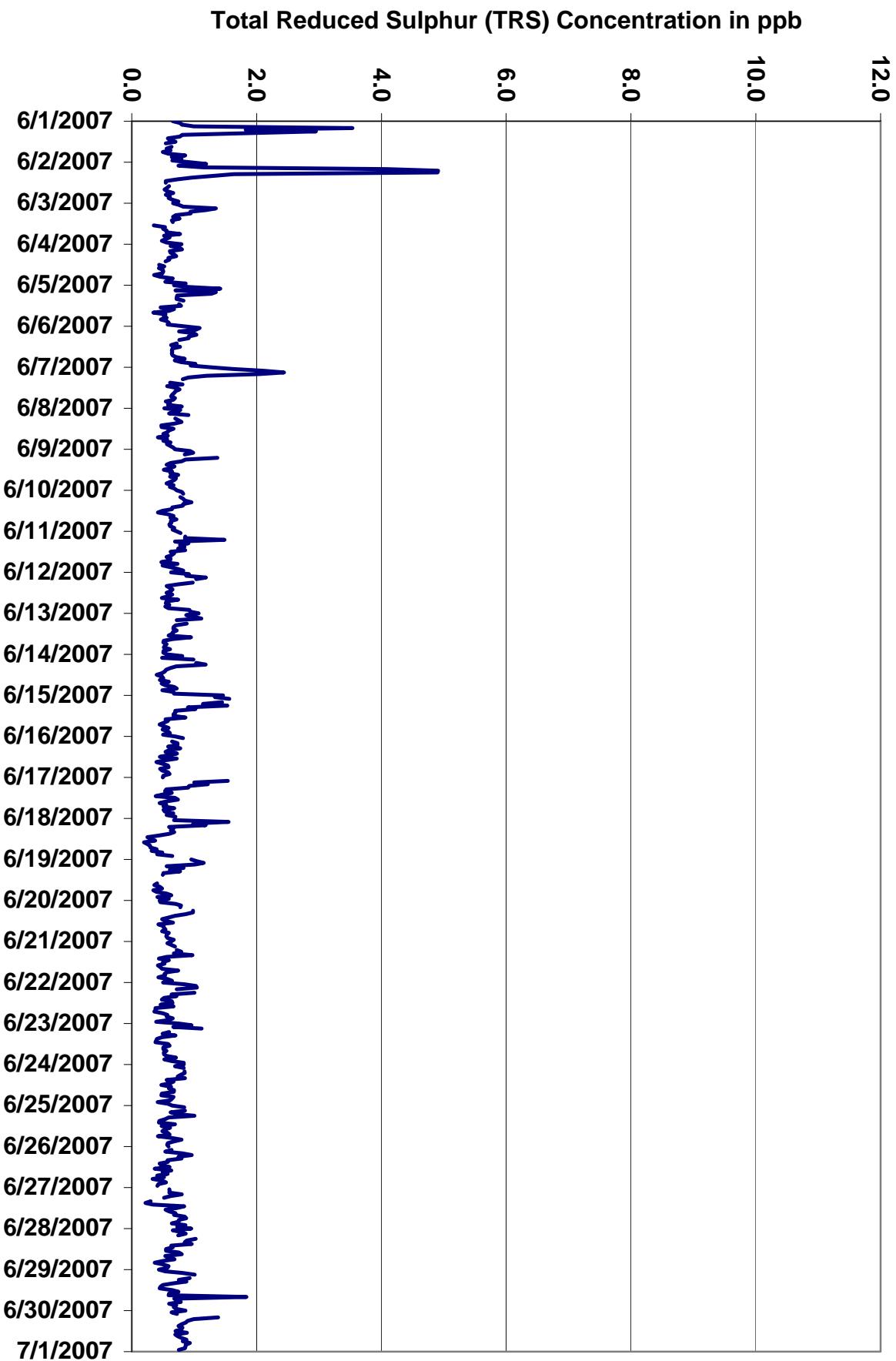
Day	Mountain Standard Time																								24-hour Average	Daily Maximum			
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00				
1-Jun-07	1	1	1	1	1	4	2	3	2	1	1	1	1	1	1	A	1	1	1	0	1	1	1	1	1	1	1.0	3.5	
2-Jun-07	1	1	1	1	1	4	5	5	2	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1.3	4.9	
3-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	1	1	1	1	1	1	1	1	0	1	0.7	1.3	
4-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	0	1	0	0	1	0	0	0	1	1	1	1	0.6	0.9	
5-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0	1	1	1	1	1	1	0	1	1	0.7	1.4	
6-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.1	
7-Jun-07	1	2	2	2	2	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.4	
8-Jun-07	1	1	1	1	1	A	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0.6	0.9	
9-Jun-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.4	
10-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0.7	1.0	
11-Jun-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0.7	1.5	
12-Jun-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0.7	1.2	
13-Jun-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	1.1	
14-Jun-07	1	1	0	1	A	1	1	1	1	1	1	1	1	0	0	0	1	0	1	0	1	1	1	0	1	1	0.6	1.2	
15-Jun-07	1	1	2	A	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0.8	1.6	
16-Jun-07	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	0	0	1	1	0.6	0.8	
17-Jun-07	0	A	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0.7	1.5	
18-Jun-07	A	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.6	1.5	
19-Jun-07	1	1	1	1	1	1	1	1	1	0	C	C	C	A	0	0	0	0	0	0	0	0	0	1	1	0	0.6	1.2	
20-Jun-07	0	0	1	1	1	A	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	0	1	1	1	0.6	1.0	
21-Jun-07	1	1	1	1	A	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	0.6	1.0	
22-Jun-07	0	1	1	1	1	A	1	1	1	1	0	1	1	0	1	1	0	1	0	0	0	1	1	1	1	1	0.6	1.0	
23-Jun-07	1	1	1	1	A	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	1.1	
24-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	0.7	0.9	
25-Jun-07	1	1	A	1	1	1	1	1	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1	0.6	1.0	
26-Jun-07	1	A	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	0	1	0	1	0	0	1	0	0	0.6	1.0	
27-Jun-07	A	1	1	1	1	1	1	1	P	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9
28-Jun-07	1	1	1	1	1	A	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
29-Jun-07	0	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0.7	1.8	
30-Jun-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	1.4	

Hourly Avg	0.7	0.8	1.0	1.0	1.2	1.1	1.0	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
Hourly Max	1.5	1.6	2.1	2.4	4.1	4.9	4.9	1.9	1.3	1.0	0.8	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9

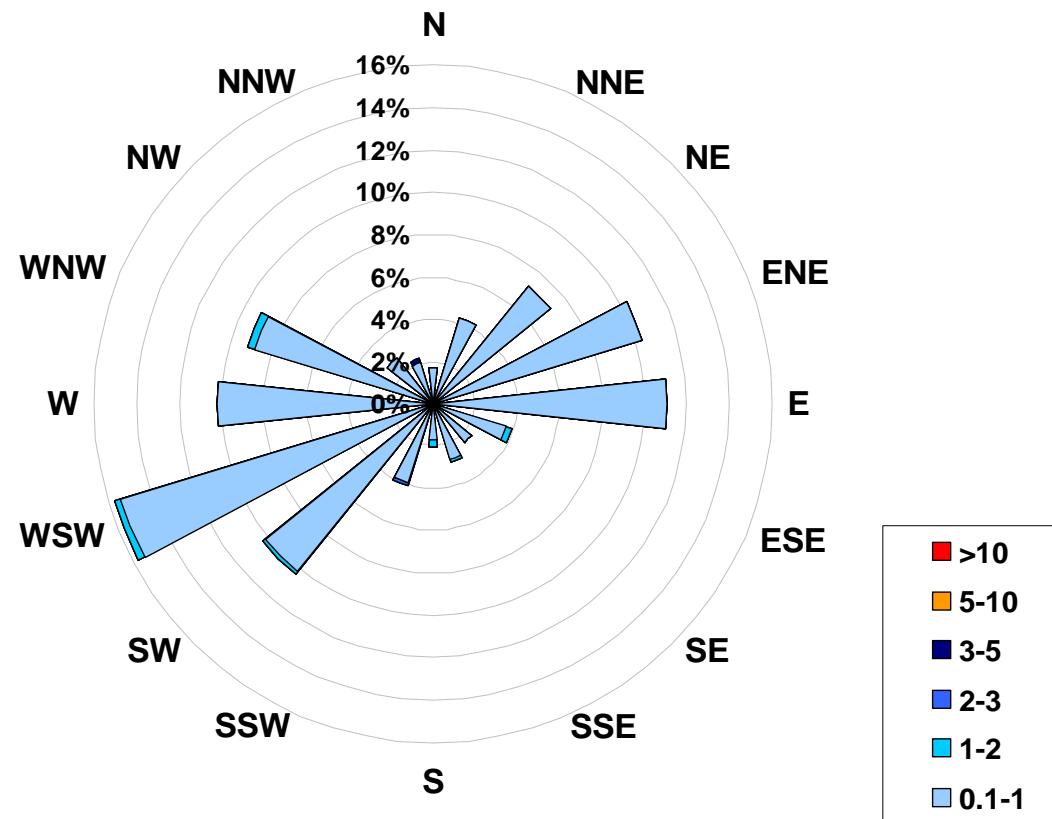


C Calibration	A AIC - Zero / Span Check
S Instrument out of Service	X Filter Exchange
N No Data	M Equipment Maintenance
D Excessive Instrument Drift	P Power Failure

Figure 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 June 2007



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	673
1	to	2	10
2	to	3	1
3	to	5	1
5	to	10	0
>	10		0
Total Non-Zero Values			685

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

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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

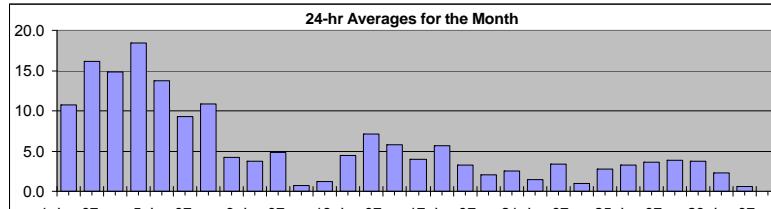
Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	96.9 $\mu\text{g}/\text{m}^3$ 3-Jun 1:00 2:00
Maximum 24-hr Value:	18.4 $\mu\text{g}/\text{m}^3$ 4-Jun

AIC Time:	0 hrs	Operational Time:	703 hrs							
Calibration Time:	9 hrs	AMD Operational Uptime:	98.9%							
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean	
	28.9	17.0	7.6	3.4	1.3	0.0	0.0	5.7	3 $\mu\text{g}/\text{m}^3$	4.0 $\mu\text{g}/\text{m}^3$

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-Jun-07	15	13	14	9	12	11	15	17	18	15	5	7	7	6	6	7	9	6	9	9	9	9	11	14	14	10.7	17.9
2-Jun-07	27	19	10	19	15	16	23	20	21	20	15	10	17	11	12	12	21	24	9	9	9	13	17	16	14	16.1	27.1
3-Jun-07	17	97	24	12	13	11	14	13	11	10	8	10	8	15	5	6	7	9	11	6	15	13	12	12	12	14.9	96.9
4-Jun-07	13	13	12	15	29	19	14	19	5	20	16	14	16	14	15	16	18	18	17	20	14	6	82	17	18.4	82.0	
5-Jun-07	15	15	10	14	11	9	9	8	13	6	2	1	2	5	9	14	13	15	18	1	23	29	34	53	13.8	53.4	
6-Jun-07	58	21	3	D	5	14	0	1	3	2	0	0	4	3	6	6	7	7	9	6	10	14	16	19	9.2	57.6	
7-Jun-07	23	16	14	11	10	13	13	15	12	10	5	2	7	14	23	22	15	10	9	3	10	0	0	1	10.8	22.9	
8-Jun-07	2	1	3	1	0	3	5	5	9	2	0	4	6	0	1	1	2	3	3	6	11	13	10	9	4.2	13.5	
9-Jun-07	5	2	2	2	2	1	3	3	4	5	3	2	3	0	1	2	3	5	6	9	11	7	1	7	3.8	10.9	
10-Jun-07	9	8	6	6	7	7	9	9	9	4	0	D	0	7	D	0	0	1	10	4	1	0	7	1	4.8	10.0	
11-Jun-07	0	1	0	0	0	0	0	0	D	1	0	0	0	0	0	0	0	0	0	6	4	4	0	1	0	0.7	6.3
12-Jun-07	1	0	0	1	1	0	1	2	2	1	0	2	1	0	1	1	1	2	1	1	2	2	4	2	1.2	4.5	
13-Jun-07	3	5	2	2	2	3	7	8	4	0	1	0	3	2	4	10	5	1	4	6	9	11	7	8	4.4	11.2	
14-Jun-07	4	4	3	4	5	5	7	8	8	6	0	4	2	4	16	13	8	12	12	17	6	7	4	11	7.1	17.3	
15-Jun-07	6	7	6	5	8	9	10	9	1	3	9	9	5	0	8	1	7	11	16	1	1	0	4	3	5.8	15.6	
16-Jun-07	8	4	5	1	2	4	2	2	3	1	4	3	6	3	0	5	6	5	3	5	6	7	7	4	4.0	7.7	
17-Jun-07	3	2	1	5	4	2	6	7	6	4	0	1	6	D	1	0	3	8	1	4	10	35	12	8	5.6	34.8	
18-Jun-07	15	11	8	5	0	5	4	2	4	4	0	0	1	4	2	D	0	0	2	2	1	1	3	1	3.3	15.2	
19-Jun-07	2	1	1	1	8	6	4	4	0	0	C	C	C	C	0	0	2	1	1	3	3	2	1	2.1	8.0		
20-Jun-07	1	2	1	1	1	2	6	6	7	3	2	2	2	2	1	2	1	2	3	2	5	4	2	2.5	6.8		
21-Jun-07	1	1	0	2	2	1	3	6	4	0	1	0	0	0	1	0	0	0	1	2	3	2	1	1.5	6.3		
22-Jun-07	2	3	4	5	4	5	4	8	5	2	2	3	8	8	2	1	1	0	0	0	4	2	3	3.3	7.7		
23-Jun-07	0	1	2	2	1	1	2	1	1	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1.0	2.4		
24-Jun-07	1	2	2	3	4	4	2	3	1	1	1	0	1	2	6	6	2	2	4	4	4	6	5	2.8	6.5		
25-Jun-07	3	3	4	2	1	3	4	3	3	4	2	3	2	1	0	2	2	5	5	6	7	3	4	3.2	7.0		
26-Jun-07	3	3	3	4	5	4	5	5	4	2	2	1	1	1	2	3	5	4	5	5	6	7	5	3.6	6.7		
27-Jun-07	3	2	2	3	4	5	5	P	C	C	C	C	3	6	4	5	5	6	9	5	0	2	1	3.9	8.6		
28-Jun-07	0	1	1	2	3	2	2	2	4	4	4	4	5	6	7	6	6	7	12	6	0	0	3	2	3.7	11.7	
29-Jun-07	0	1	2	2	1	3	3	4	4	3	3	1	1	1	1	3	10	1	P	0	0	2	3	0	2.3	9.9	
30-Jun-07	0	0	0	1	1	2	1	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	4	0.6	4.0	

HOURLY AVERAGE TABLE

Particulate Matter (PM_{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

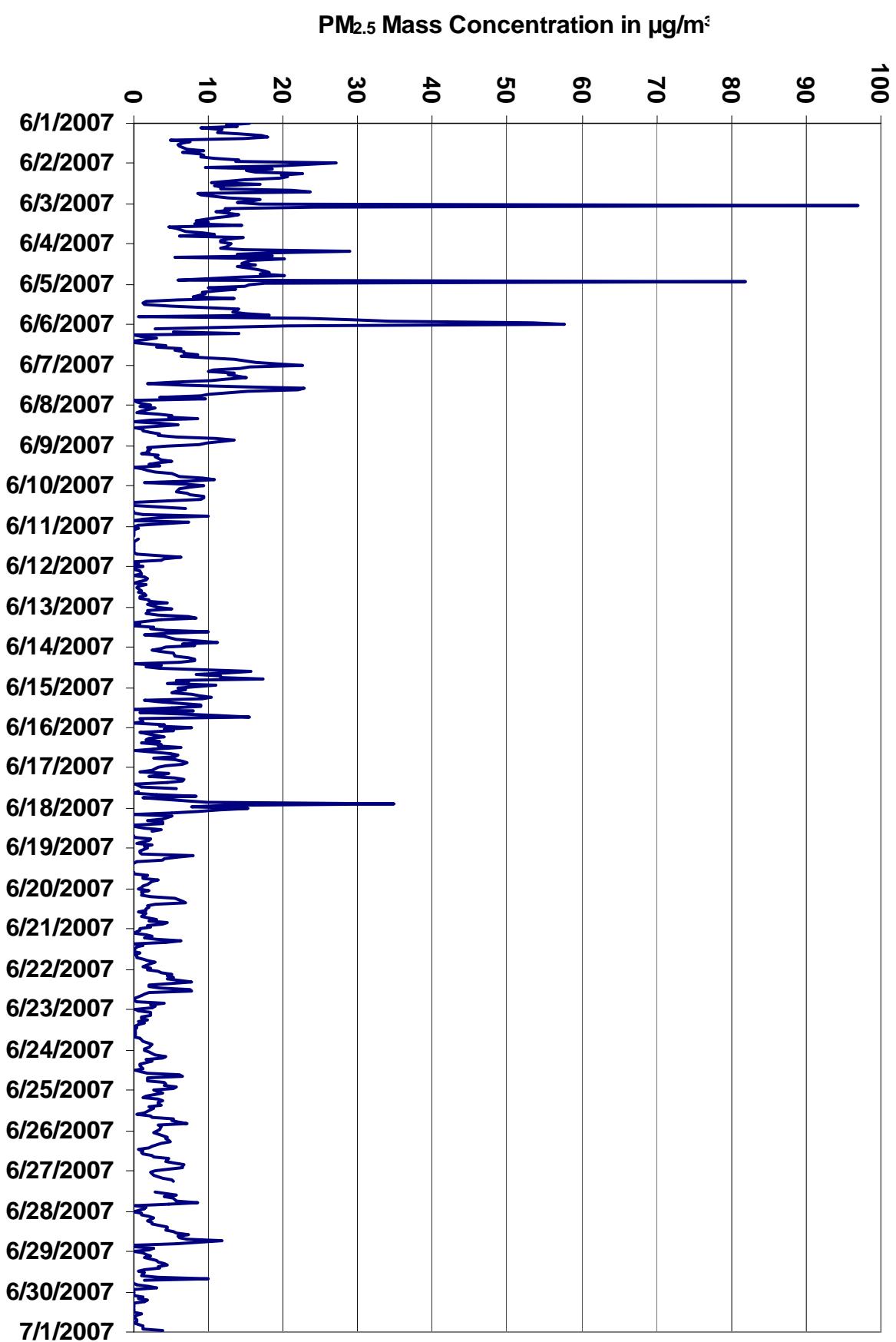


Figure 15. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Henry Pirker
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

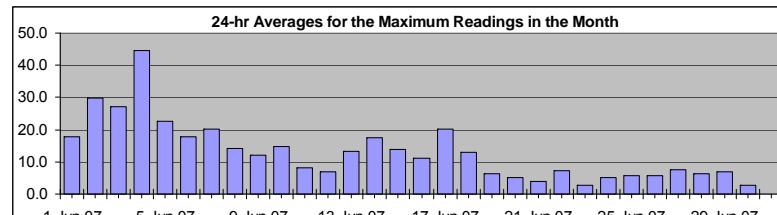
Maximum 1-hr Average:	399.4	µg/m ³	4-Jun	22:00 23:00
Maximum 24-hr Value:	44.5	µg/m ³	4-Jun	

AIC Time:	0 hrs	Operational Time:	703 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	98.9%
Percentile	99 95 75 50 25 5 1	Average / Median	Geomean
	63.9 33.8 16.1 9.3 4.7 2.4 1.2	13.1 9 µg/m ³	10.3 µg/m ³

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	24:00			
1-Jun-07	32	21	18	18	19	14	22	24	24	19	14	21	13	11	17	13	14	12	12	14	13	15	20	23	17.7	32.2	
2-Jun-07	45	38	19	37	27	20	35	26	28	30	23	19	33	22	28	28	55	81	18	14	25	25	19	17	29.7	80.9	
3-Jun-07	33	163	61	22	18	13	18	18	18	15	17	17	23	68	11	12	14	14	16	10	10	19	17	15	13	27.0	163.3
4-Jun-07	14	14	13	21	109	27	18	22	20	31	29	29	34	22	22	21	21	24	31	66	36	14	399	30	44.5	399.4	
5-Jun-07	27	28	16	27	14	13	15	13	27	10	8	6	8	12	18	25	19	22	42	18	36	37	41	64	22.7	63.7	
6-Jun-07	64	42	11	D	18	21	4	6	7	7	6	13	10	11	14	13	14	12	15	12	14	23	36	37	17.8	63.9	
7-Jun-07	53	36	26	15	14	17	16	22	20	20	18	11	18	22	31	30	20	16	14	12	22	20	5	5	20.1	52.7	
8-Jun-07	7	7	9	11	4	8	11	8	14	12	14	18	16	21	12	15	13	13	15	15	19	37	19	22	14.2	36.9	
9-Jun-07	21	7	5	6	10	4	6	8	28	25	9	17	11	6	8	13	10	10	10	16	22	17	7	15	12.1	28.1	
10-Jun-07	13	10	9	9	10	10	13	13	18	12	18	D	21	21	D	8	9	26	44	15	9	3	17	17	14.7	44.1	
11-Jun-07	6	10	3	2	3	5	4	D	12	8	8	7	21	13	10	9	10	11	16	7	8	4	5	5	8.2	20.5	
12-Jun-07	6	1	3	4	4	3	4	4	4	8	5	7	8	8	10	13	16	11	13	9	8	6	9	4	6.9	16.4	
13-Jun-07	9	13	7	5	6	8	16	16	9	9	11	19	21	16	16	20	15	10	11	15	15	21	11	18	13.2	21.1	
14-Jun-07	12	7	8	6	7	8	13	12	12	18	15	26	18	10	51	41	20	22	19	39	20	12	9	14	17.4	51.1	
15-Jun-07	10	9	8	7	10	12	13	15	11	14	22	22	19	30	20	11	15	23	34	8	6	5	6	6	14.0	33.9	
16-Jun-07	11	7	7	4	5	7	7	11	11	11	17	16	18	13	16	24	9	9	12	14	11	15	7	11.2	24.1		
17-Jun-07	8	6	6	8	6	5	9	13	11	13	12	19	23	D	18	10	19	29	14	12	49	71	59	46	20.3	71.2	
18-Jun-07	37	24	19	12	11	10	7	13	14	18	11	15	12	19	17	D	8	3	16	9	10	4	7	4	13.0	36.5	
19-Jun-07	4	3	6	6	23	16	9	9	10	8	C	C	C	C	0	0	5	3	4	6	5	3	3	3	6.2	22.8	
20-Jun-07	2	5	2	3	3	4	13	8	10	6	4	4	3	3	3	4	3	4	5	5	10	7	7	5.0	12.8		
21-Jun-07	3	5	2	3	4	3	8	10	3	4	3	2	1	3	2	2	2	4	4	5	4	3	4	3.9	10.4		
22-Jun-07	3	5	8	7	8	9	9	14	10	5	5	14	11	14	5	5	4	2	1	3	6	9	5	7.1	14.4		
23-Jun-07	2	3	3	4	3	2	3	2	3	2	2	2	3	2	2	2	1	2	3	3	4	4	3	2.7	4.4		
24-Jun-07	3	5	4	5	7	6	4	4	3	2	3	4	2	3	4	10	10	5	5	7	7	6	8	5.1	10.4		
25-Jun-07	5	5	6	4	4	6	6	5	5	5	4	6	3	3	2	4	4	11	8	9	12	6	5	5.6	11.7		
26-Jun-07	5	4	6	5	6	5	7	6	6	5	4	3	3	3	3	5	4	6	6	7	9	11	9	5.7	11.0		
27-Jun-07	5	3	3	4	5	6	7	P	C	C	C	C	C	5	8	6	11	9	9	15	15	9	7	7.5	15.2		
28-Jun-07	2	3	3	4	4	3	4	4	4	6	7	6	7	9	10	9	9	10	18	11	2	3	7	6.3	18.0		
29-Jun-07	2	3	4	5	4	6	7	9	7	7	8	6	5	5	5	8	27	7	P	7	3	3	13	6.8	26.8		
30-Jun-07	3	2	3	4	2	3	3	2	0	0	0	0	2	4	2	2	3	3	2	2	3	3	4	13	2.7	13.4	

Hourly Avg	14.9	16.3	10.0	9.2	12.2	9.2	10.3	11.2	12.3	11.4	10.4	12.2	13.1	13.7	12.5	12.3	13.4	13.7	14.3	12.7	14.2	13.7	25.8	14.0
Hourly Max	63.9	163.3	61.3	36.9	108.9	26.7	34.8	26.2	28.1	31.4	28.9	28.9	34.4	67.6	51.1	40.7	54.7	80.9	44.1	66.3	48.7	71.2	399.4	63.7



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

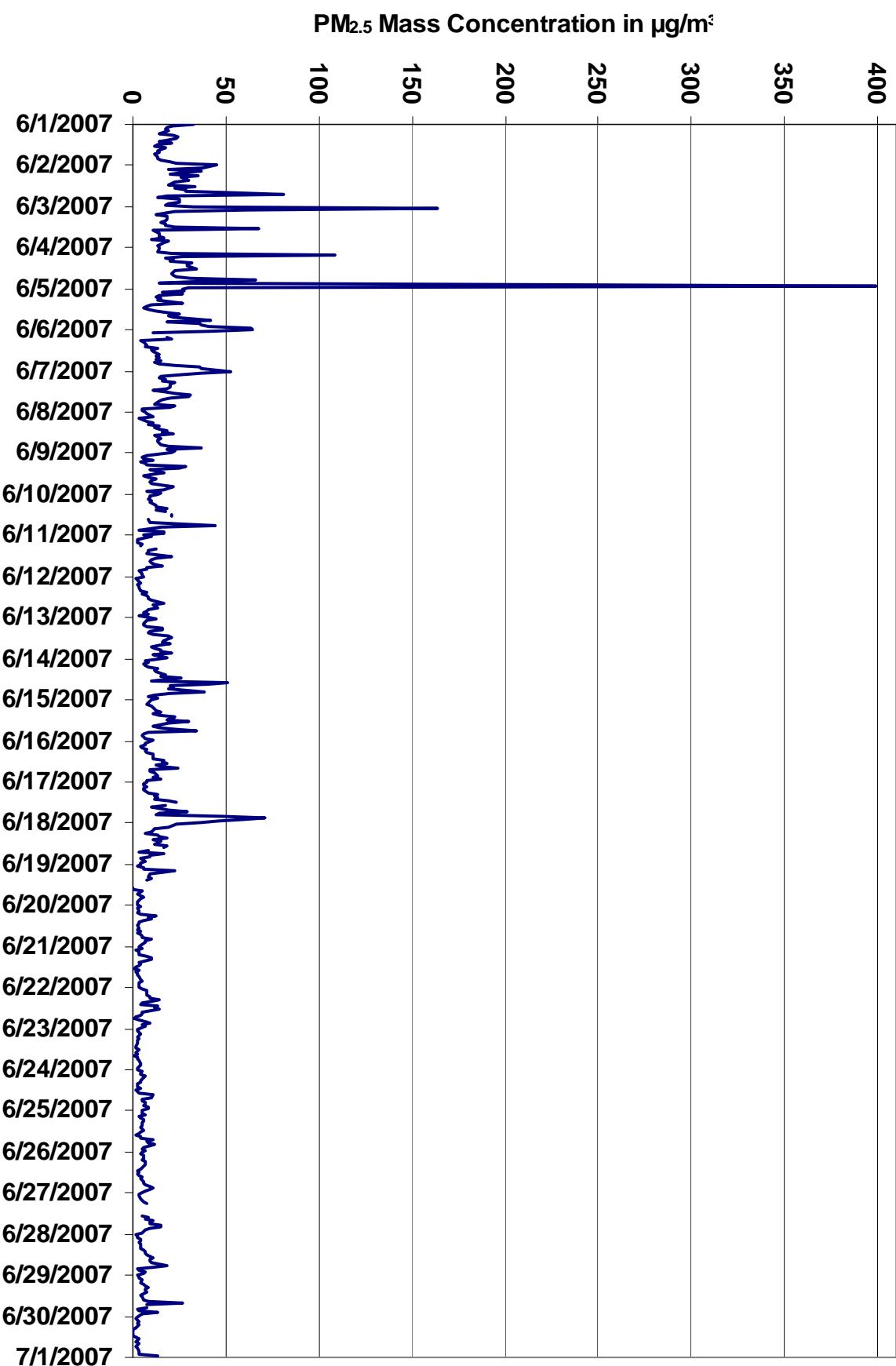
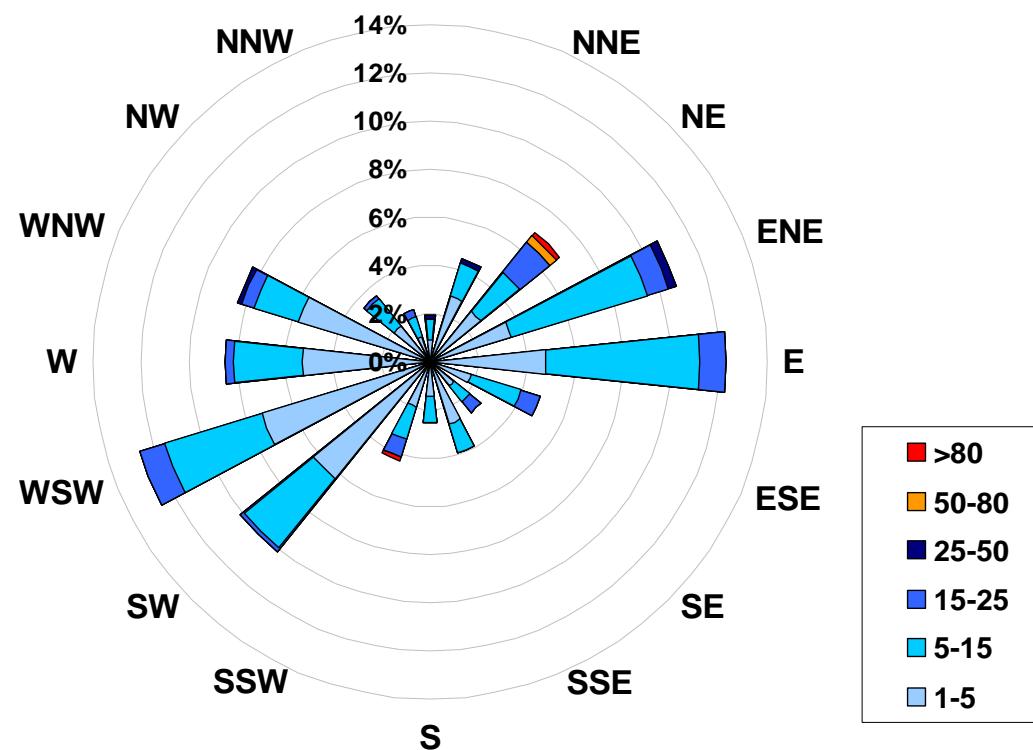


Figure 16. PASZA - Henry Pirker Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	<	5	430
5	to	15	217
15	to	25	47
25	to	50	5
50	to	80	2
>	80		2
Total Non-Zero Values		703	

PASZA - Henry Pirker - Relative Humidity Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

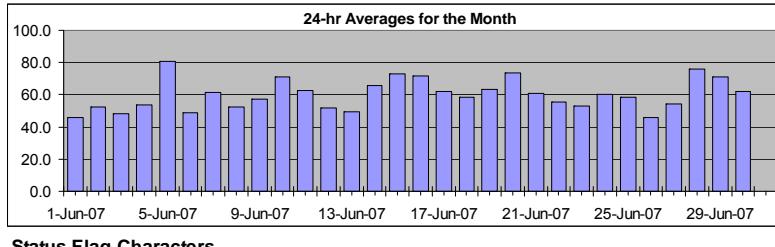
Maximum 1-hr Average:	94.5	%	21-Jun	4:00 5:00
Maximum 24-hr Value:	80.6	%	5-Jun	

AIC Time:	0 hrs	Operational Time:	719 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	92.5	90.1	74.4	60.2	45.1	30.8	26.0	60.0 %	60.2 %

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-Jun-07	58	65	72	78	77	78	69	59	55	43	30	26	24	24	26	28	26	27	31	35	41	47	50		45.6	78.4	
2-Jun-07	64	68	61	71	72	73	72	73	59	48	44	42	40	36	35	33	31	32	37	43	45	49	54		52.3	73.0	
3-Jun-07	59	65	72	79	77	71	66	61	57	52	46	45	40	34	30	27	26	25	28	28	35	40	43	46		48.1	79.3
4-Jun-07	51	56	60	62	64	65	62	59	57	54	50	46	41	39	38	39	42	43	45	54	62	60	68	71		53.5	70.8
5-Jun-07	71	72	75	82	84	81	78	79	89	94	92	88	83	81	81	80	79	81	83	78	77	79	76	71		80.6	93.6
6-Jun-07	71	74	71	60	64	69	68	65	67	55	46	36	35	31	30	30	29	27	27	29	34	43	51	61		48.9	74.5
7-Jun-07	69	79	80	88	90	88	80	76	70	59	47	36	33	37	45	53	57	53	53	52	57	60	58	61		61.7	90.5
8-Jun-07	64	66	67	69	65	63	62	60	56	55	50	45	47	45	42	40	39	38	37	37	41	50	56	69		52.7	69.1
9-Jun-07	69	68	69	68	72	71	65	62	57	53	52	49	46	42	40	38	38	39	44	51	65	71	65	71		56.9	71.9
10-Jun-07	78	82	85	88	91	92	91	89	85	74	63	55	54	68	57	47	47	48	53	58	67	69	76	90		71.1	92.0
11-Jun-07	86	87	90	90	91	89	80	69	64	59	52	50	48	46	42	40	37	38	50	56	60	59	60	61		62.6	91.4
12-Jun-07	63	61	60	63	66	65	63	61	60	56	54	53	50	46	43	42	40	40	37	36	37	41	48	52		51.6	66.3
13-Jun-07	55	63	65	66	66	66	60	56	50	41	36	32	31	32	29	37	42	41	44	46	48	54	61	68		49.5	68.2
14-Jun-07	69	71	72	73	76	78	79	77	74	64	56	50	45	47	45	52	48	49	54	68	79	82	82	88		65.6	88.0
15-Jun-07	89	91	90	90	91	90	84	80	71	59	57	56	52	47	40	39	44	62	85	85	82	78	86	93		72.6	92.5
16-Jun-07	93	93	93	91	88	89	80	75	71	65	60	56	57	56	47	48	53	64	64	66	69	77	82	88		72.0	93.5
17-Jun-07	91	92	93	92	92	89	83	76	71	59	50	40	49	41	37	34	33	37	42	39	44	61	71	72		62.1	92.5
18-Jun-07	80	80	80	85	80	82	81	70	60	56	51	45	45	49	52	48	42	39	39	41	45	49	52	57		58.7	84.8
19-Jun-07	62	63	66	65	74	78	80	74	68	61	54	51	47	47	38	39	50	53	51	66	75	81	85	85		63.0	85.1
20-Jun-07	83	84	88	90	91	90	86	83	81	78	70	67	63	56	55	52	50	53	56	61	71	83	89	91		73.8	91.3
21-Jun-07	91	91	92	94	94	93	90	91	88	68	56	52	42	35	33	31	30	30	31	32	41	47	50	60		60.8	94.5
22-Jun-07	58	69	65	71	74	74	62	51	56	57	54	45	42	53	61	48	45	42	37	35	43	55	64	70		55.5	74.1
23-Jun-07	66	69	76	81	77	72	70	66	67	64	56	48	40	36	33	32	29	29	31	34	40	46	52	58		52.9	80.6
24-Jun-07	63	66	71	79	79	74	63	57	52	46	39	36	34	34	33	50	67	70	66	61	64	75	82	88		60.4	87.5
25-Jun-07	89	90	88	85	82	82	75	71	66	62	54	46	45	40	34	37	31	38	42	46	49	42	48	55		58.2	89.8
26-Jun-07	65	68	72	71	72	68	63	56	50	42	37	32	29	28	27	26	26	26	29	31	39	43	47	50		45.7	72.1
27-Jun-07	50	50	56	59	63	65	63	P	54	52	51	44	36	34	33	31	29	34	50	61	80	76	83	86		53.9	85.5
28-Jun-07	82	81	86	89	89	88	80	73	73	69	66	64	65	63	64	62	62	63	76	87	85	82	84	85		75.9	89.1
29-Jun-07	79	84	88	90	91	91	83	70	65	60	58	58	53	51	46	49	68	75	74	74	71	75	80	80		71.4	90.9
30-Jun-07	80	85	83	87	91	92	91	88	81	73	63	54	46	44	43	40	39	39	41	39	42	49	52	50		62.2	92.3

HOURLY AVERAGE TABLE

Relative Humidity (RH)

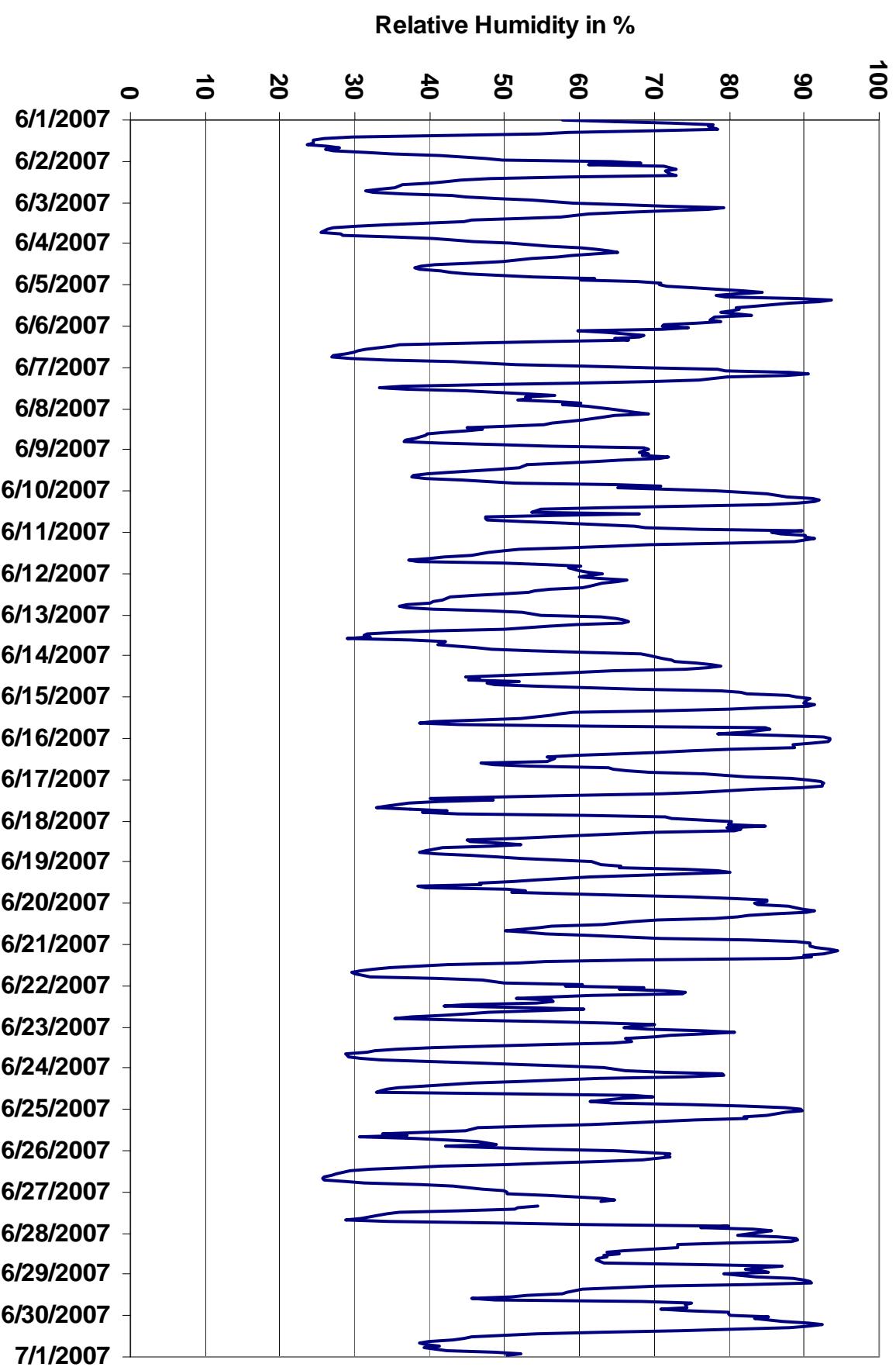


Status Flag Characters

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

Hourly Avg	71.6	74.4	76.2	78.5	79.5	78.9	74.3	69.9	66.3	59.6	53.2	48.2	45.5	44.2	41.8	41.8	42.7	44.5	47.6	50.7	56.1	60.3	65.0	69.4
Hourly Max	93.5	93.4	93.3	93.5	94.5	92.7	91.4	90.9	89.0	93.6	91.9	88.1	83.4	81.0	81.3	80.3	78.8	81.1	84.8	87.1	84.6	82.5	88.9	92.5

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



PASZA - Henry Pirker - Temperature Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	28.9	°C	4-Jun	14:00 15:00
Maximum 24-hr Value:	22.1	°C	4-Jun	

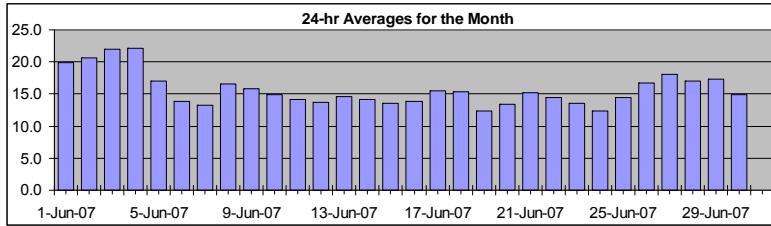
AIC Time:	0 hrs			Operational Time:	719 hrs						
Calibration Time:	0 hrs			AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	15.7 °C	Median	15.6 °C
	27.7	24.5	18.9	15.6	11.9	8.3	6.6				

Day Mountain Standard Time

	Hour Start 1:00	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	25:00	26:00	27:00	28:00	29:00	30:00	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	24:00	25:00	26:00	27:00	28:00	29:00	30:00					
1-Jun-07	14	13	12	11	11	11	13	16	18	22	23	25	26	27	28	27	26	27	26	24	23	21	19	18	19.9	27.5								
2-Jun-07	16	14	15	14	13	14	15	15	16	20	23	24	25	26	27	27	27	26	25	23	22	20	19	20.6	27.4									
3-Jun-07	18	16	15	13	13	15	18	20	21	23	25	25	27	28	28	28	28	28	27	26	24	22	21	20	22.0	28.3								
4-Jun-07	19	18	17	17	16	16	18	19	21	23	24	26	27	28	29	29	28	28	27	26	22	21	19	19	22.1	28.9								
5-Jun-07	18	18	18	17	16	17	17	17	15	14	15	16	17	18	19	19	19	19	19	18	17	16	17	16	17.0	19.1								
6-Jun-07	15	14	13	13	11	10	9	9	9	12	15	16	17	18	18	18	18	18	18	16	14	12	11	9	13.8	18.0								
7-Jun-07	8	7	6	5	5	6	9	10	12	15	17	18	19	19	18	17	16	17	17	16	16	15	14	14	13.3	19.4								
8-Jun-07	13	12	12	12	12	12	13	14	16	17	18	19	20	20	20	21	20	20	20	20	18	17	15	13	16.5	20.9								
9-Jun-07	13	13	12	11	10	10	12	14	15	16	17	18	19	20	21	21	21	20	19	18	16	15	15	14	15.8	20.8								
10-Jun-07	13	12	12	11	11	11	12	13	15	18	19	18	15	18	20	19	19	19	18	18	16	14	13	11	14.9	19.9								
11-Jun-07	10	11	10	9	9	9	11	12	14	15	17	17	18	18	19	19	19	20	19	16	15	14	14	13	13	14.2	20.1							
12-Jun-07	12	12	12	11	10	10	11	11	11	13	13	13	14	16	17	18	17	18	18	17	17	15	12	11	13.7	17.9								
13-Jun-07	10	8	7	7	7	7	10	12	15	18	19	20	21	20	21	19	19	19	18	17	16	15	13	11	14.6	21.5								
14-Jun-07	11	11	11	11	10	10	10	11	13	17	18	20	20	18	19	18	19	18	17	14	12	11	10	14.1	20.2									
15-Jun-07	9	9	8	8	7	7	10	13	15	18	18	20	20	21	22	22	18	14	12	12	12	11	10	9	13.5	22.1								
16-Jun-07	9	9	9	9	9	10	11	13	14	16	17	18	18	19	20	20	18	15	15	15	14	13	11	10	13.8	20.4								
17-Jun-07	9	9	8	8	8	8	10	13	15	18	20	21	19	20	21	22	22	21	20	21	18	15	14	13	15.5	21.9								
18-Jun-07	12	13	12	12	11	12	12	15	17	19	19	20	21	18	19	18	19	18	18	16	15	14	13	12	15.3	20.7								
19-Jun-07	9	8	7	7	8	8	9	10	12	14	16	16	17	17	20	18	15	15	15	15	13	12	11	10	12.4	19.5								
20-Jun-07	9	9	8	8	8	8	10	11	12	13	14	15	16	18	18	19	19	19	19	18	16	14	13	12	13.3	19.4								
21-Jun-07	12	11	11	10	10	10	11	12	13	16	18	19	20	20	20	20	20	20	19	19	17	14	13	11	15.2	20.0								
22-Jun-07	11	9	9	9	9	9	11	14	15	15	16	19	19	16	15	18	19	19	19	19	19	17	15	13	11	14.4	19.2							
23-Jun-07	12	11	9	9	9	9	10	11	11	12	14	16	16	18	18	18	19	19	19	19	18	16	14	12	10	13.6	18.7							
24-Jun-07	9	8	7	5	5	6	9	12	14	16	18	19	19	19	20	16	13	12	13	13	13	11	10	9	12.3	20.0								
25-Jun-07	8	9	9	8	7	7	9	11	12	15	16	19	20	20	22	19	22	20	19	18	17	17	15	12	10	14.5	21.6							
26-Jun-07	10	9	8	7	7	8	11	13	15	18	20	21	22	23	23	24	24	24	22	22	20	18	17	15	16.7	23.7								
27-Jun-07	15	15	14	13	12	12	13	P	17	18	19	22	24	24	24	25	26	24	21	18	15	14	14	14	18.0	25.6								
28-Jun-07	14	14	13	12	12	13	15	17	17	18	20	20	20	21	22	22	21	21	20	18	17	16	16	15	17.0	22.0								
29-Jun-07	14	13	12	12	11	11	14	18	19	21	21	22	22	23	24	24	24	20	18	19	17	16	16	15	17.3	24.3								
30-Jun-07	13	13	12	12	11	11	11	11	12	13	15	16	18	18	18	19	19	19	18	18	17	15	14	14	14.8	19.0								

HOURLY AVERAGE TABLE

Ambient Temperature (T)



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

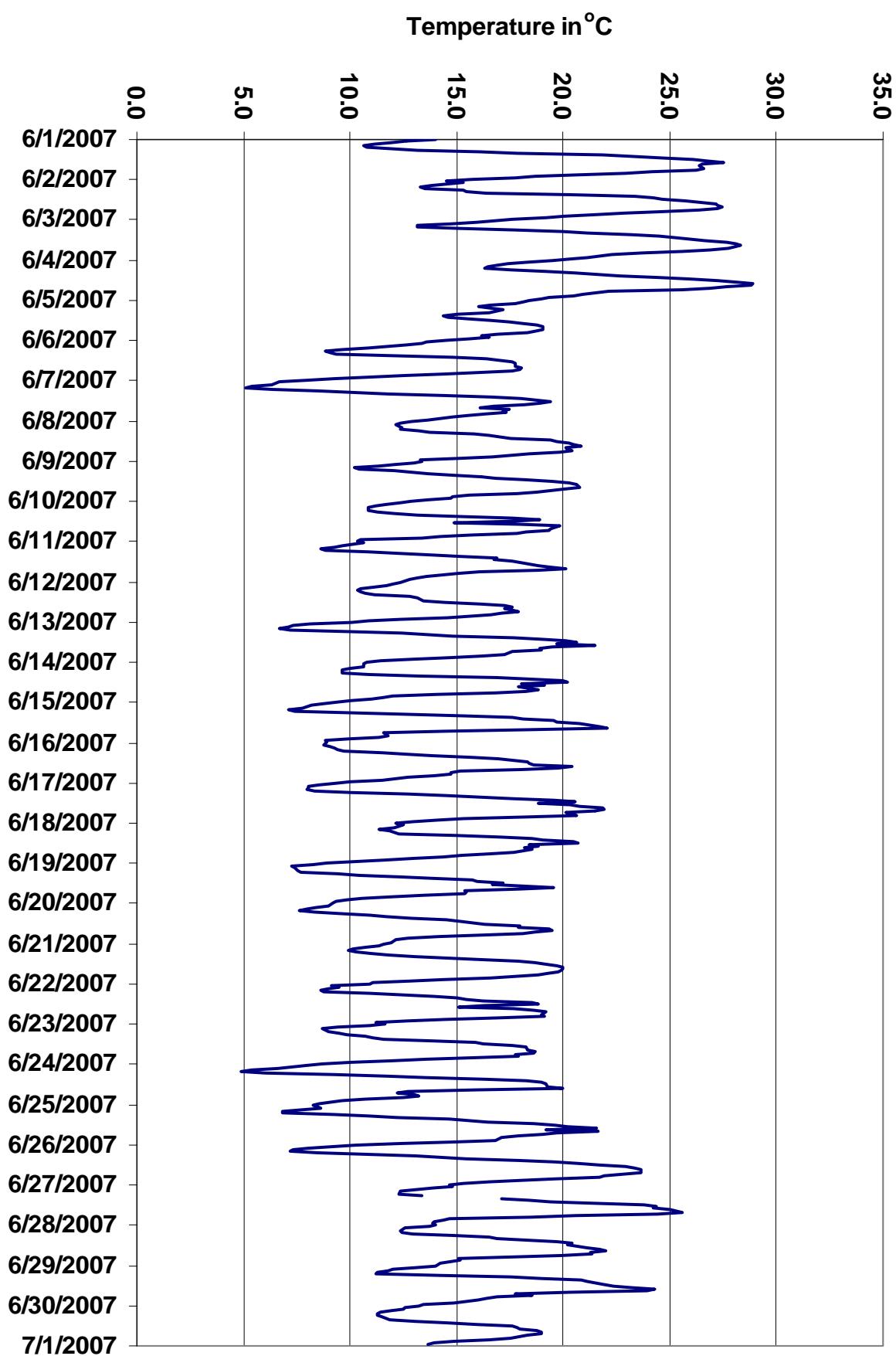


Figure 18. PASZA - Henry Pirker Temperature 1-hr Average Monthly Trend

PASZA - Henry Pirker - Solar Radiation Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	789.5	W/m ²	26-Jun	13:00 14:00
Maximum 24-hr Value:	307.4	W/m ²	26-Jun	

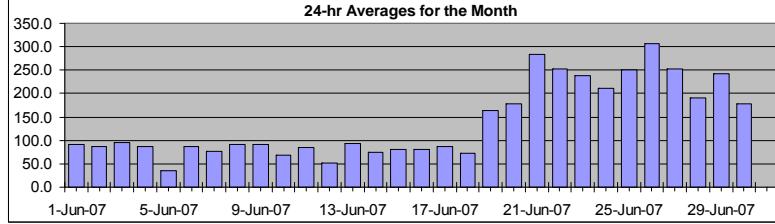
AIC Time:	0 hrs	Operational Time:	719 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	99.9%						
Percentile	99	95	75	50	25	5	1	Average	Median
	767.2	604.3	191.8	58.3	1.0	0.0	0.0	139.3 W/m ²	58.3 W/m ²

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	24:00	0:00	
1-Jun-07	0	0	0	0	4	17	55	79	103	160	183	299	298	276	245	135	127	104	64	21	18	2	0	0	91.3	299.4
2-Jun-07	0	0	0	0	4	17	41	39	71	151	187	236	289	286	236	165	142	115	75	25	8	1	0	0	87.0	289.2
3-Jun-07	0	0	0	0	4	23	59	88	110	134	181	278	295	285	242	171	134	115	87	45	13	1	0	0	94.5	294.9
4-Jun-07	0	0	0	0	5	23	60	88	111	130	179	265	294	298	263	197	93	45	10	3	3	0	0	0	86.2	298.3
5-Jun-07	0	0	0	0	6	28	28	14	3	6	35	52	82	110	123	120	90	78	44	11	4	0	0	0	34.7	123.4
6-Jun-07	0	0	0	0	1	2	4	10	24	130	221	292	294	284	230	157	149	122	91	44	13	2	0	0	86.2	294.4
7-Jun-07	0	0	0	0	6	32	66	94	108	145	170	257	265	202	142	90	57	117	50	36	8	1	0	0	76.9	265.2
8-Jun-07	0	0	0	0	2	12	55	71	118	134	181	287	269	287	232	174	115	100	83	48	11	2	0	0	90.9	286.7
9-Jun-07	0	0	0	0	4	25	74	87	110	127	167	267	286	283	240	176	149	116	48	26	5	1	0	0	91.4	286.1
10-Jun-07	0	0	0	1	2	16	22	42	86	144	160	212	112	165	218	156	103	83	64	49	8	2	0	0	68.6	218.4
11-Jun-07	0	0	1	0	3	26	64	86	111	139	187	195	234	291	194	170	159	81	53	29	11	2	0	0	84.8	290.7
12-Jun-07	0	0	0	0	1	5	14	34	53	122	104	71	96	131	170	138	84	77	65	25	31	5	0	0	51.1	170.1
13-Jun-07	0	0	0	0	3	24	72	102	121	138	155	272	318	232	242	114	155	141	66	49	22	3	0	0	93.0	318.1
14-Jun-07	0	0	0	0	3	5	12	67	133	160	175	248	215	69	163	134	151	126	95	14	6	2	0	0	74.1	247.7
15-Jun-07	0	0	0	1	5	25	63	82	107	118	171	271	234	281	241	178	93	40	5	15	11	2	0	0	81.0	281.5
16-Jun-07	0	0	1	0	6	20	42	73	118	135	161	270	226	186	261	155	89	76	60	39	14	5	0	0	80.7	269.8
17-Jun-07	0	1	0	0	6	26	66	101	112	124	148	234	233	232	211	156	127	140	103	69	12	2	0	0	87.6	234.4
18-Jun-07	1	0	0	0	1	7	26	81	105	122	147	225	207	169	154	84	164	132	83	25	17	3	0	1	73.2	225.3
19-Jun-07	0	0	0	0	4	23	34	80	121	143	385	433	551	383	769	380	107	219	171	91	43	7	0	0	164.4	769.1
20-Jun-07	0	0	0	0	9	53	145	153	145	263	411	389	518	531	399	517	368	188	115	69	8	1	0	0	178.5	530.9
21-Jun-07	0	0	0	0	6	22	8	125	229	549	611	708	788	788	744	667	567	445	314	191	34	9	0	0	283.5	788.4
22-Jun-07	0	0	0	0	9	45	147	230	431	360	472	758	783	352	453	543	504	438	304	179	51	8	0	0	252.9	783.2
23-Jun-07	0	0	0	0	5	18	46	81	151	215	569	580	484	729	733	610	575	429	232	194	36	5	0	0	237.2	733.2
24-Jun-07	0	0	0	1	8	34	197	308	469	604	687	734	749	504	433	52	31	97	94	57	24	5	0	0	212.1	749.2
25-Jun-07	0	0	1	0	6	50	178	239	346	430	435	710	785	684	677	260	524	298	240	98	40	10	0	0	250.5	784.9
26-Jun-07	0	1	0	0	7	33	193	306	460	596	689	754	785	789	725	641	557	420	208	173	31	6	0	0	307.4	789.5
27-Jun-07	1	0	0	0	9	69	131	409	411	387	653	714	781	548	548	539	322	253	47	2	2	0	0	0	253.3	780.6
28-Jun-07	0	0	0	0	15	56	172	292	304	427	406	627	449	533	522	424	169	103	19	2	42	4	0	0	190.3	627.5
29-Jun-07	0	0	0	0	11	51	201	297	448	576	667	728	670	727	746	308	118	30	185	49	10	2	0	0	242.7	746.0
30-Jun-07	0	0	0	1	1	7	15	41	58	125	261	380	676	628	534	520	388	314	210	91	23	5	0	0	178.3	675.8

HOURLY AVERAGE TABLE

Solar Radiation (SR)



Status Flag Characters

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

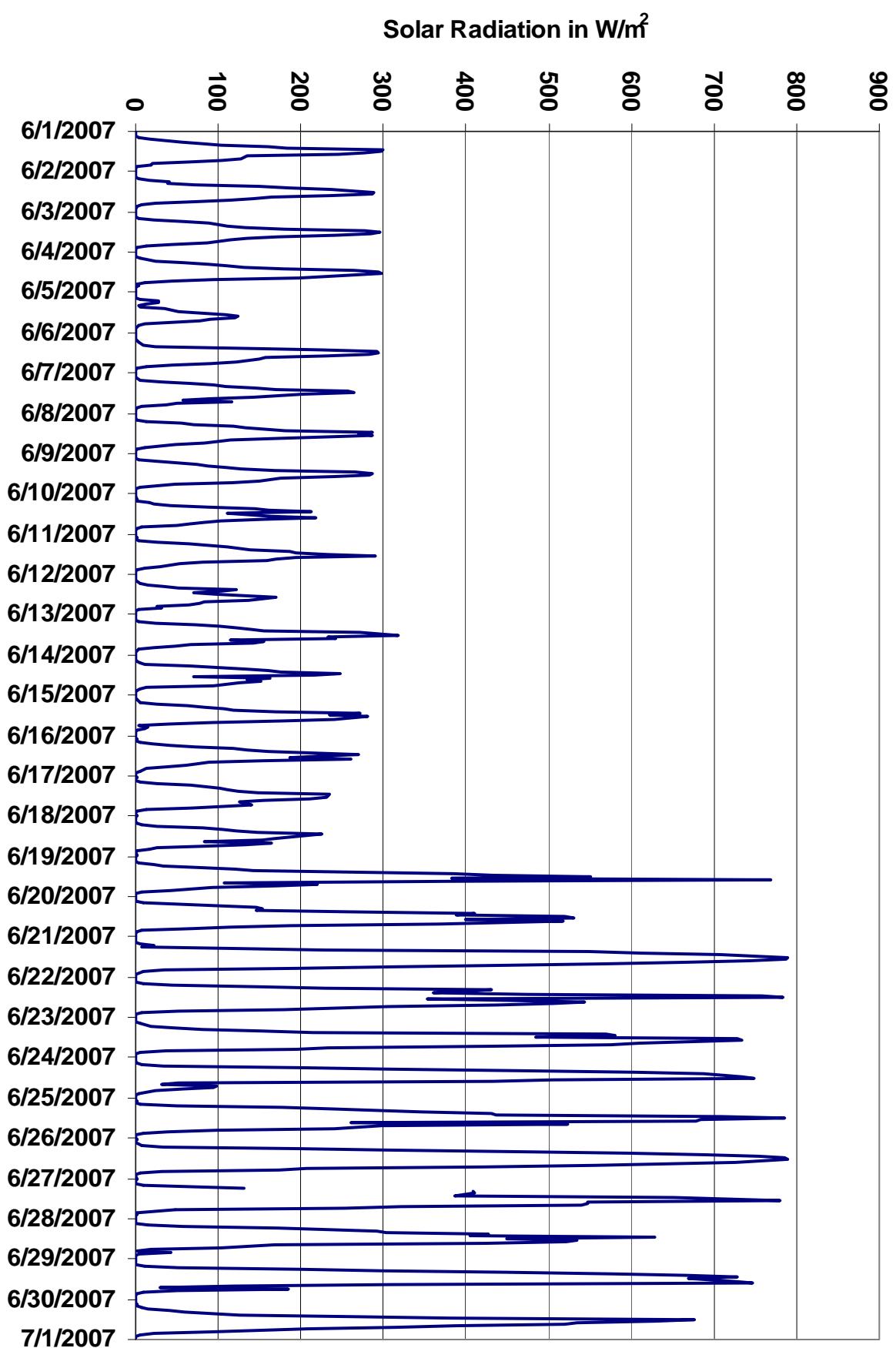


Figure 19. PASZA - Henry Pirker Solar Radiation 1-hr Average Monthly Trend

PASZA - Henry Pirker - Scalar Wind Speed Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	42.5 km/hr	30-Jun 13:00 14:00
Maximum 24-hr Value:	24.6 km/hr	30-Jun

Calm Time:	0 hrs	0% calms	Operational Time:	719 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	99.9%				
Percentile	99	95	75	50	25	5	1	AverageS
	32.3	22.9	14.4	11.2	8.5	5.9	5.0	12.2 km/hr

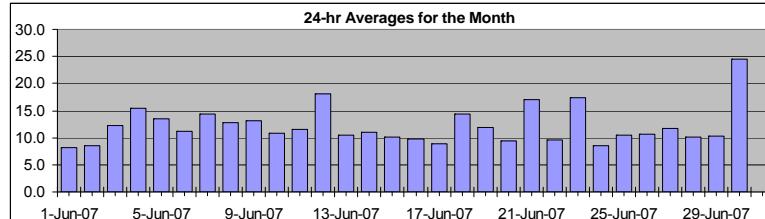
Day Mountain Standard Time

	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	6:00 7:00	7:00 8:00	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-hr Scalar Average	Daily Max
	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	0:00				
1-Jun-07	7	6	6	6	7	7	6	7	6	6	9	10	10	12	12	11	12	11	11	11	11	8	6	6	6	8.2	11.7		
2-Jun-07	5	5	4	5	4	5	7	6	7	9	12	13	13	12	10	10	9	12	11	10	8	9	8	9	8.5	13.2			
3-Jun-07	7	6	5	6	7	7	7	9	12	13	16	16	14	15	16	16	17	17	18	17	14	14	14	15	12.3	17.6			
4-Jun-07	14	13	12	13	14	15	16	18	17	18	21	21	22	21	19	21	20	18	17	11	9	7	6	9	15.5	21.8			
5-Jun-07	8	8	16	15	11	15	16	15	15	12	14	16	14	14	14	13	14	15	15	10	14	13	12	13	13.4	16.2			
6-Jun-07	11	11	14	15	17	15	12	10	11	11	12	12	12	12	12	12	12	12	11	9	10	9	7	6	6	11.2	16.8		
7-Jun-07	5	6	6	7	7	9	10	12	11	10	13	12	13	19	24	26	23	23	21	19	12	16	23	17	14.4	26.0			
8-Jun-07	14	14	11	11	12	11	13	14	13	12	11	12	13	15	17	17	16	15	12	12	8	9	14	7	12.7	17.1			
9-Jun-07	8	7	8	6	6	8	12	12	13	14	15	14	13	15	16	17	18	20	18	18	15	11	15	17	13.1	20.0			
10-Jun-07	15	14	13	14	11	9	7	7	8	8	8	9	11	13	11	9	8	9	11	15	13	13	12	13	10.9	14.9			
11-Jun-07	12	8	7	9	9	9	14	15	14	12	10	10	10	12	8	8	9	10	17	15	15	17	13	14	11.5	17.3			
12-Jun-07	19	19	19	19	21	20	21	19	17	18	20	17	16	16	18	18	16	14	17	21	23	20	13	12	18.1	22.9			
13-Jun-07	12	7	7	10	9	10	9	11	11	9	9	9	10	10	8	14	20	18	14	10	9	9	9	7	10.4	19.6			
14-Jun-07	7	8	9	10	11	10	11	13	12	12	11	9	9	9	12	12	13	17	17	14	15	10	7	7	11.0	17.1			
15-Jun-07	7	6	7	8	8	7	7	9	8	7	8	9	11	12	11	12	19	24	12	17	11	9	8	6	10.0	24.1			
16-Jun-07	7	7	8	9	9	7	9	9	10	9	10	11	12	12	14	15	15	11	9	8	8	8	7	9.8	15.3				
17-Jun-07	8	7	7	9	10	11	10	9	9	7	9	8	17	11	10	9	9	11	11	8	6	5	5	5	8.8	17.1			
18-Jun-07	6	6	9	8	12	9	7	7	7	8	9	8	14	18	19	19	30	33	32	27	18	14	12	13	14.4	33.3			
19-Jun-07	13	14	13	13	13	13	13	14	12	12	9	9	10	9	13	16	14	14	12	11	9	9	9	9	11.9	15.9			
20-Jun-07	9	8	7	5	6	8	8	7	7	9	13	13	13	12	13	12	10	10	11	12	9	8	8	7	9.4	13.2			
21-Jun-07	8	8	12	11	8	10	10	7	11	16	22	24	29	30	30	29	28	27	25	21	13	13	11	9	17.1	30.1			
22-Jun-07	8	7	6	6	6	5	9	8	10	12	9	10	10	19	15	10	9	9	7	6	9	16	13	10	9.6	19.3			
23-Jun-07	10	9	11	10	12	12	13	18	23	24	24	23	25	25	24	23	24	25	21	16	15	12	11	8	17.4	25.5			
24-Jun-07	8	7	5	7	8	8	9	10	13	10	9	9	11	9	8	10	11	12	9	10	7	5	6	5	8.6	13.2			
25-Jun-07	6	8	9	8	8	6	9	12	13	10	8	9	13	11	12	13	11	12	11	10	9	16	16	13	10.5	16.3			
26-Jun-07	8	8	6	6	6	8	10	13	15	16	13	14	13	10	10	9	9	9	12	14	12	11	11	11	10.7	16.1			
27-Jun-07	13	14	15	15	14	13	14	P	11	9	9	9	7	10	10	8	8	10	19	13	18	11	10	8	11.7	19.3			
28-Jun-07	13	7	6	6	6	6	7	8	8	7	6	11	13	13	11	9	13	10	13	19	13	18	11	10	10.1	16.7			
29-Jun-07	15	8	7	6	8	6	5	7	7	7	9	11	13	13	11	9	13	10	13	10	10	10	17	20	10.2	19.6			
30-Jun-07	19	15	14	14	13	15	16	15	18	21	31	33	41	42	40	38	35	32	32	30	26	16	16	19	24.6	42.5			

1-hr Average	9.9	9.0	9.4	9.6	9.8	9.8	10.5	11.0	11.8	11.6	11.6	12.7	12.9	14.3	15.0	14.9	14.9	15.5	15.9	15.2	14.2	12.3	11.2	10.9	10.6
Hourly Max	18.8	19.2	19.3	19.4	20.7	20.2	21.2	19.4	23.4	23.5	30.7	32.9	40.9	42.5	40.4	37.5	35.0	33.3	32.3	29.8	25.9	20.1	22.6	19.6	

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Status Flag Characters

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

PASZA - Henry Pirker - Vector Wind Speed Monthly Summary

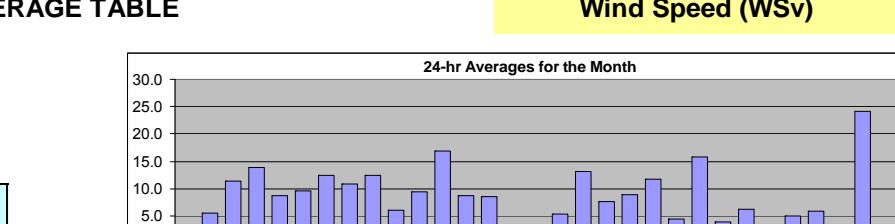
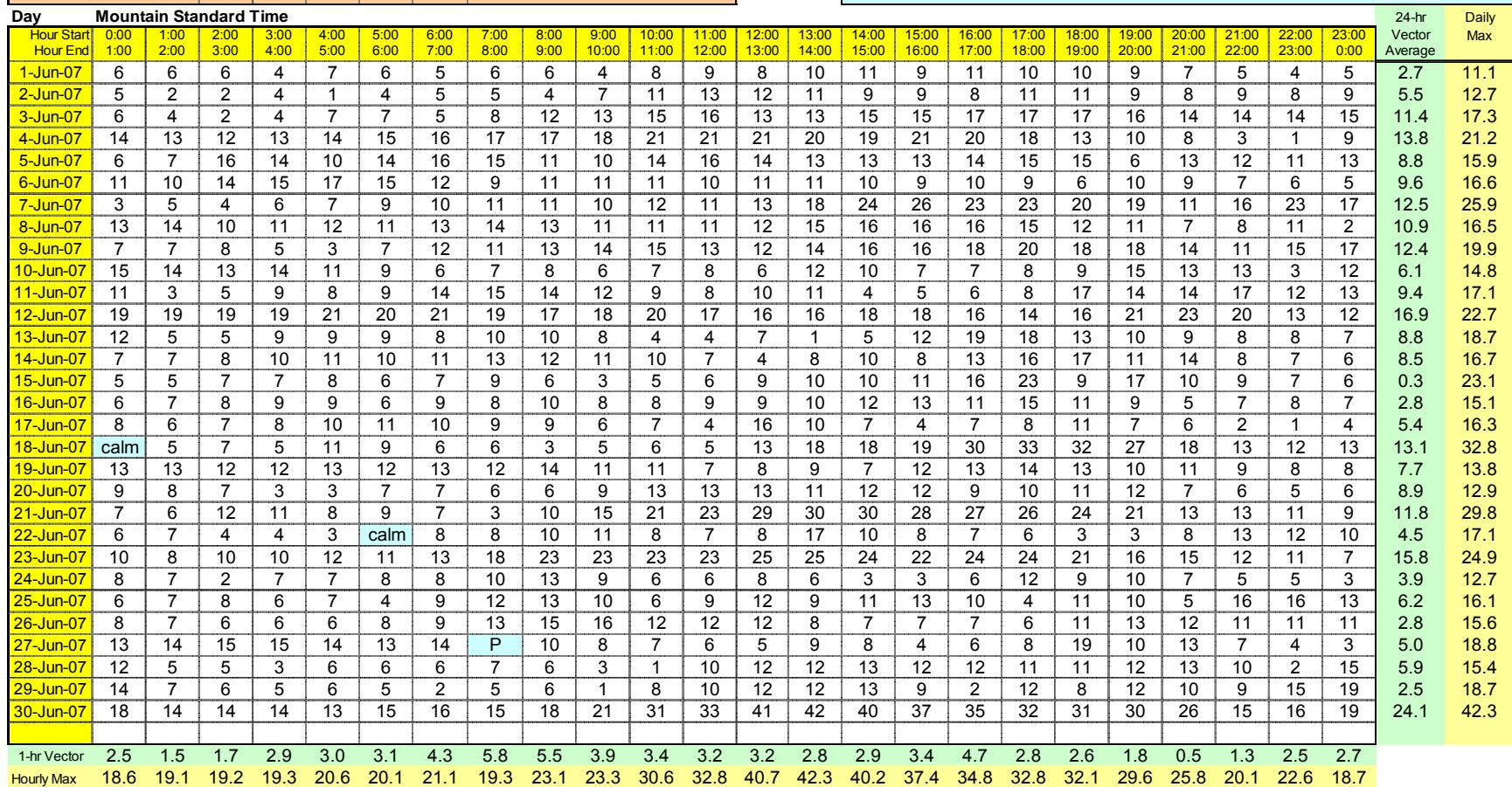
Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	42.3	km/hr	30-Jun	13:00 14:00
Maximum 24-hr Value:	24.1	km/hr	30-Jun	

Calm Time:	2 hrs	0% calms	Operational Time:	717 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	99.9%
Percentile				AverageV
99	95	75	50	25 5 1
32.1	22.6	13.8	10.4	7.0 3.6 1.8
				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

PASZA - Henry Pirker - Wind Direction Monthly Summary

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Hourly Average Wind Data													

Calm Time:	0 hrs	0% calms	Operational Time:	719 hrs									
Calibration Time:	0 hrs		AMD Operational Uptime:	99.9%									
Percentile	99	95	75	50	25	5	1	Average					
	345.5	315.8	261.3	222.3	83.2	35.6	13.2		251 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	0:00	
1-Jun-07	300	282	307	283	285	290	232	237	216	217	116	124	74	70	61	82	70	40	50	110	70	50	13	25	59	ENE	
2-Jun-07	290	326	129	194	110	346	196	251	245	36	36	40	58	58	51	69	53	56	61	70	57	45	55	61	53	NE	
3-Jun-07	52	36	41	292	11	20	68	83	93	91	88	90	79	88	81	72	67	74	79	78	75	70	69	75	74	ENE	
4-Jun-07	79	78	77	78	76	76	79	87	87	89	94	97	95	90	83	77	81	78	115	139	134	145	204	275	90	E	
5-Jun-07	342	227	247	245	258	255	257	272	241	249	256	286	273	284	277	271	267	284	284	343	64	64	24	44	276	W	
6-Jun-07	37	38	30	31	29	40	40	39	17	29	27	34	39	42	51	359	349	22	33	95	109	127	118	137	40	NE	
7-Jun-07	119	113	154	189	171	201	214	211	202	201	197	204	240	239	238	239	250	246	253	258	267	241	242	257	231	SW	
8-Jun-07	270	261	289	261	251	265	248	246	258	282	262	255	276	287	282	268	278	281	283	324	10	165	292	29	273	W	
9-Jun-07	32	26	20	24	56	74	89	73	87	80	76	83	77	79	72	76	76	77	80	76	94	111	82	97	94	78	ENE
10-Jun-07	95	91	95	100	108	117	120	167	157	175	232	254	227	123	118	88	146	145	80	74	79	83	316	329	110	ESE	
11-Jun-07	300	260	224	208	222	271	255	262	287	286	263	274	270	294	264	284	287	261	203	203	191	205	207	222	247	WSW	
12-Jun-07	228	236	238	239	239	237	237	246	256	267	277	281	282	284	285	282	301	282	274	254	244	242	233	235	256	WSW	
13-Jun-07	240	273	232	255	258	230	233	229	239	231	231	237	193	104	340	249	250	258	271	278	278	226	258	263	247	WSW	
14-Jun-07	285	256	263	240	231	227	213	230	247	261	256	276	302	77	129	218	238	237	231	205	290	296	222	220	242	WSW	
15-Jun-07	257	225	237	223	222	255	270	272	270	297	4	335	52	43	55	67	183	154	46	349	5	75	141	168	2	N	
16-Jun-07	312	303	322	330	329	321	22	44	102	74	67	79	54	49	45	42	103	158	168	248	191	183	272	290	47	NE	
17-Jun-07	301	278	214	236	245	239	231	225	218	221	217	290	294	261	206	256	312	342	16	16	38	353	337	300	270	W	
18-Jun-07	279	163	300	290	259	305	293	263	159	217	238	255	236	250	274	242	256	249	253	256	264	245	227	225	253	WSW	
19-Jun-07	223	224	261	251	255	252	269	243	273	296	303	273	278	272	281	293	250	222	232	5	31	51	54	55	268	W	
20-Jun-07	78	92	87	71	79	103	90	105	96	85	83	82	92	80	75	90	79	90	82	33	40	55	42	30	77	ENE	
21-Jun-07	56	74	85	114	103	117	195	265	271	243	234	253	251	244	243	249	255	259	265	270	287	279	298	318	253	WSW	
22-Jun-07	320	151	159	316	330	268	186	217	181	156	161	135	101	236	223	149	313	304	329	333	145	164	183	206	197	SSW	
23-Jun-07	226	222	155	154	193	226	234	243	261	269	271	260	255	259	245	249	243	251	242	227	223	221	226	241	242	WSW	
24-Jun-07	252	188	358	160	163	184	205	229	242	224	216	196	151	190	229	306	94	75	92	120	118	95	95	57	174	S	
25-Jun-07	74	145	210	217	265	193	235	238	244	264	278	284	280	290	279	302	271	67	104	146	196	261	256	279	253	WSW	
26-Jun-07	296	289	224	191	199	221	247	248	247	254	268	274	287	301	294	322	330	75	88	81	87	86	77	71	275	W	
27-Jun-07	68	73	76	81	83	87	90	P	119	161	193	274	264	296	328	24	64	78	321	348	318	64	35	329	45	NE	
28-Jun-07	64	82	135	127	328	3	28	59	116	81	101	74	80	80	77	77	68	63	13	308	345	7	314	288	47	NE	
29-Jun-07	317	315	254	162	248	298	267	223	241	151	79	78	93	83	72	44	234	355	37	53	55	23	289	282	4	N	
30-Jun-07	258	262	265	244	226	225	232	223	243	255	246	247	245	246	247	245	245	245	244	240	242	229	216	214	242	WSW	

Hourly Avg 305 236 236 221 238 241 227 236 231 240 241 260 261 267 268 278 260 253 271 288 315 157 258 278

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

Station: Henry Pirker
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	719 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	99.9%			
Percentile	99	95	75	50	25	5	1
	61.8	48.6	25.4	14.6	9.2	5.4	4.7

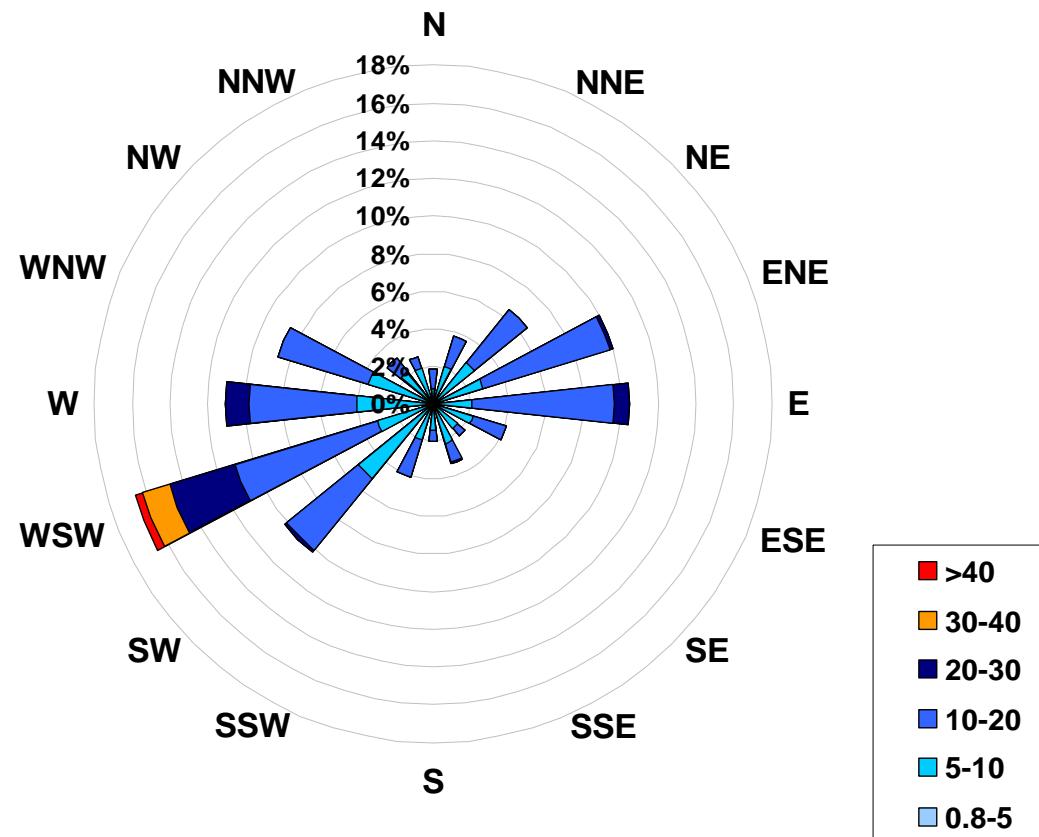
Status Flag Characters

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																								Daily Maximum	
	Hour Start 1:00	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-Jun-07	18	18	11	41	9	10	41	17	20	40	25	28	33	24	18	24	15	16	18	17	16	23	29	14	41.1	
2-Jun-07	16	49	36	16	28	17	24	25	64	32	20	15	17	22	27	24	29	17	15	10	8	9	9	9	64.4	
3-Jun-07	15	26	48	48	13	24	26	15	11	13	12	12	19	19	14	16	11	12	9	7	6	6	7	6	48.5	
4-Jun-07	6	5	5	5	4	5	6	8	9	10	10	10	10	14	12	8	8	5	21	12	20	39	40	14	40.1	
5-Jun-07	17	31	6	22	9	6	6	7	49	44	10	7	8	9	9	10	7	6	8	25	15	10	10	8	49.5	
6-Jun-07	15	12	10	10	9	10	11	15	11	18	27	24	27	26	32	35	25	28	46	15	11	9	13	32	45.7	
7-Jun-07	35	11	32	23	8	13	10	13	13	19	16	23	20	13	9	6	8	9	7	6	10	13	4	10	35.1	
8-Jun-07	5	8	19	6	7	9	9	7	10	13	17	20	20	19	16	14	9	9	14	12	14	15	14	54	54.4	
9-Jun-07	25	24	13	28	34	13	9	10	12	13	13	18	19	18	18	16	10	7	9	8	14	10	9	6	34.0	
10-Jun-07	6	6	7	8	11	10	14	20	17	35	38	31	37	16	19	30	27	31	22	8	7	6	33	18	37.7	
11-Jun-07	6	52	27	10	15	12	8	9	11	18	31	28	20	20	61	54	62	30	9	8	8	9	8	11	62.0	
12-Jun-07	8	6	5	5	5	5	6	7	8	7	6	6	10	10	10	7	10	7	7	5	4	7	7	10.1		
13-Jun-07	7	45	34	17	13	12	13	14	19	25	62	58	45	46	58	28	13	10	8	4	6	11	14	30	62.1	
14-Jun-07	21	23	15	12	13	10	10	9	12	17	24	39	58	23	25	24	20	15	11	19	7	14	18	19	57.7	
15-Jun-07	27	44	18	15	12	17	16	10	34	69	56	45	35	25	25	25	24	14	16	5	11	12	15	9	68.9	
16-Jun-07	31	16	6	7	9	15	16	19	19	30	36	34	28	29	19	17	20	8	14	12	26	13	12	14	35.6	
17-Jun-07	8	18	18	14	9	9	11	13	18	41	23	60	22	22	35	59	40	33	18	29	22	41	46	39	59.8	
18-Jun-07	81	38	40	72	11	9	16	26	58	51	46	61	29	11	14	11	8	8	5	5	5	7	7	6	80.5	
19-Jun-07	6	6	16	11	9	11	8	13	13	17	20	32	41	36	59	12	22	13	21	14	14	13	14	14	59.2	
20-Jun-07	8	10	14	42	41	29	18	28	32	23	11	12	14	19	14	18	25	19	11	14	48	34	52	23	51.8	
21-Jun-07	15	44	8	10	9	14	20	28	20	13	33	30	10	11	7	9	9	9	7	6	5	5	10	9	44.4	
22-Jun-07	50	23	39	42	55	59	30	15	15	15	24	47	30	32	44	33	40	45	53	48	14	29	12	9	58.7	
23-Jun-07	20	25	10	8	10	10	9	7	6	7	9	12	10	10	8	13	10	11	7	9	8	7	7	17	25.3	
24-Jun-07	14	22	45	9	9	9	20	12	14	23	48	51	49	40	58	42	26	10	15	14	10	18	21	46	58.3	
25-Jun-07	10	21	14	25	27	39	13	11	9	16	35	23	18	43	25	10	26	33	12	11	20	6	6	5	43.0	
26-Jun-07	12	19	20	15	30	17	21	10	13	13	21	22	24	52	58	43	39	48	18	10	7	5	5	5	57.6	
27-Jun-07	5	5	5	5	5	7	8	P	22	27	40	41	52	29	39	68	40	34	13	27	24	47	40	24	68.0	
28-Jun-07	9	40	22	23	22	28	21	27	34	43	60	20	18	19	17	15	14	11	11	27	34	11	25	8	59.8	
29-Jun-07	10	15	28	24	17	40	41	42	31	70	39	25	19	16	18	25	52	19	28	13	14	16	20	9	70.1	
30-Jun-07	10	9	6	7	8	7	6	7	6	6	5	6	6	5	5	5	5	17	6	5	5	5	9	8	7	16.7

Hourly Max 81 52 48 72 55 59 41 42 64 70 62 61 58 52 61 68 62 48 48 47 52 54

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



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

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	8
5	to	10	280
10	to	20	373
20	to	30	44
30	to	40	11
>	40		3
Total Non-Zero Values			719

PASZA – Evergreen Park Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Evergreen Park - Sulphur Dioxide Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

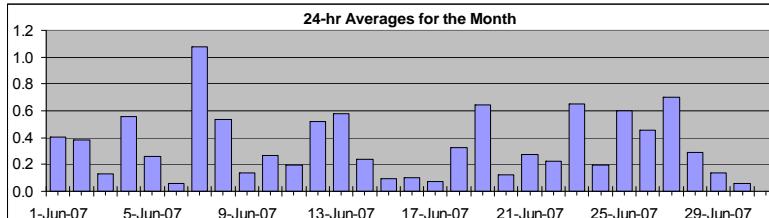
HOURLY AVERAGE TABLE

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary

Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	7.8 ppb
Maximum 24-hr Average:	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

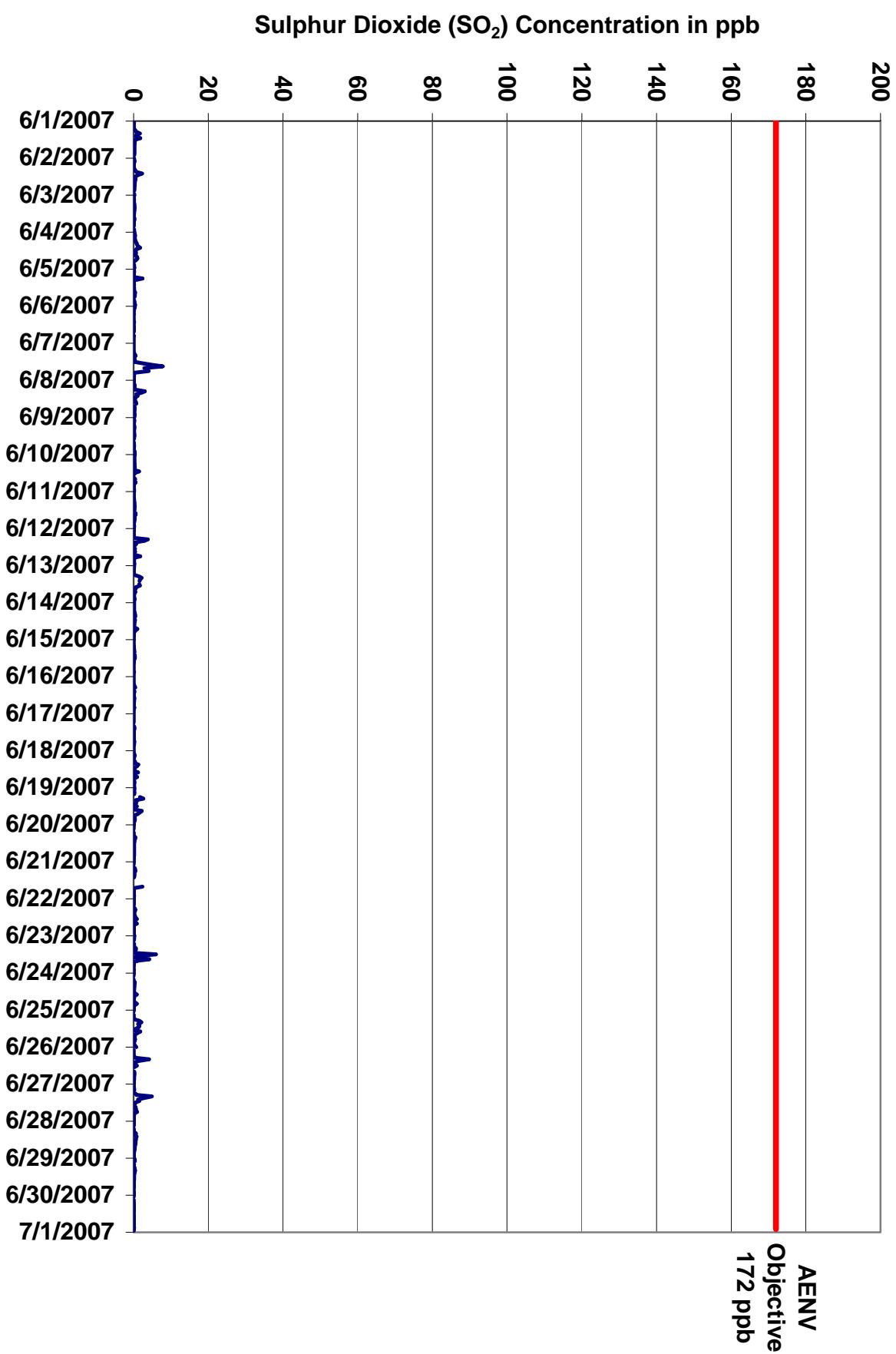


Figure 20. PASZA - Evergreen Park Sulphur Dioxide 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

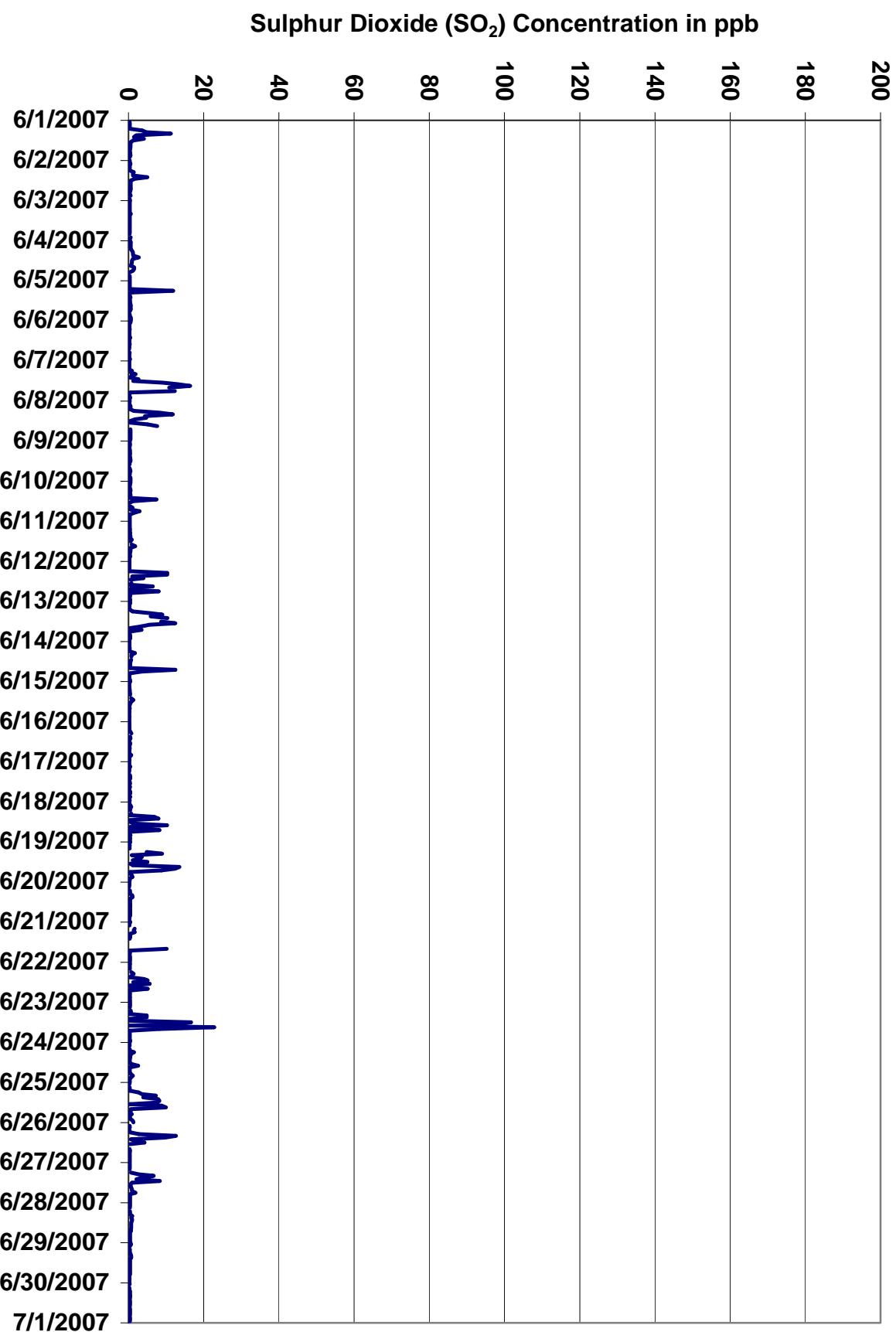
Maximum 1-hr Value:	22.8 ppb	23-Jun 15:00 16:00
Maximum 24-hr Value:	3.4 ppb	23-Jun

AIC Time:	32 hrs	Operational Time:	682 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	12.5 8.0 0.6 0.4 0.3 0.2 0.2	1.3 ppb	0.4 ppb

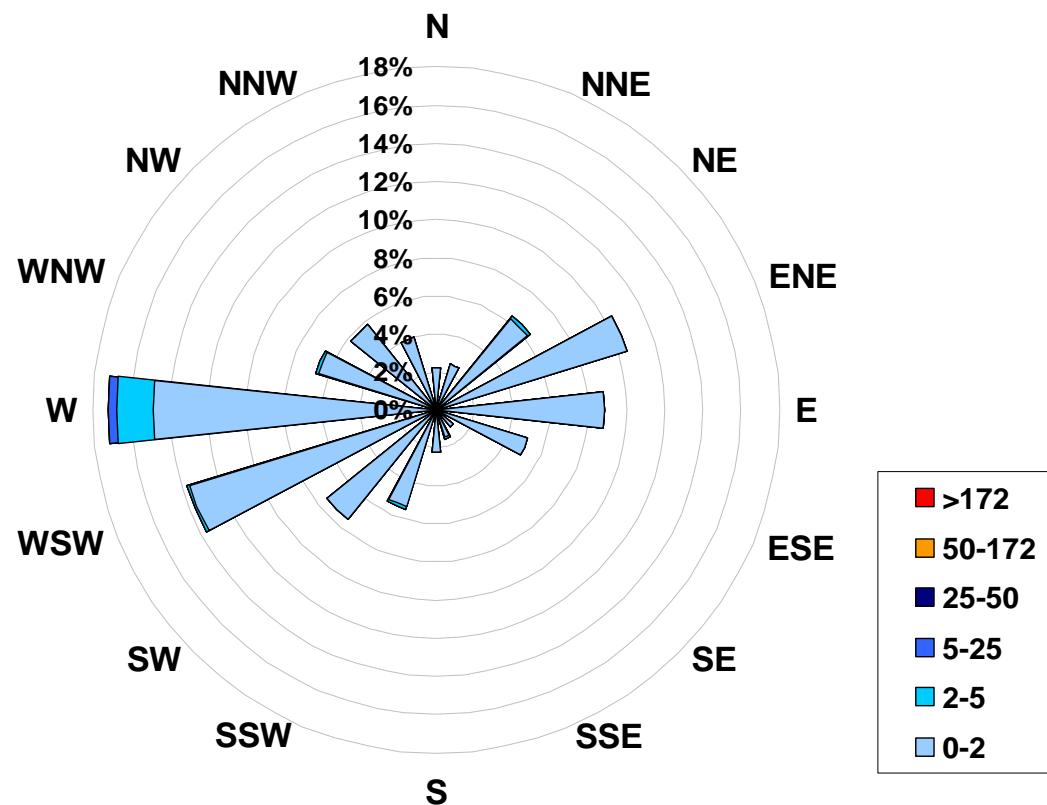
Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Jun-07	A 0:00 1:00	0	0	0	0	0	0	4	5	11	2	1	4	1	1	1	1	1	0	0	0	0	0	1	0	A	1.6	11.2
2-Jun-07	0 0:00 1:00	0	0	1	0	0	0	0	0	1	1	1	5	2	1	1	1	1	1	1	0	0	0	1	A	0.8	5.0	
3-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.6	
4-Jun-07	0 1:00 1:00	0	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	0	0	0	A	0.9	2.7	
5-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	12	1	0	0	1	0	0	0	1	1	1	0	A	0	0	1	1	0.9	11.9	
6-Jun-07	1 1:00 0:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.3	0.6	
7-Jun-07	0 0:00 0:00	0	0	0	0	0	0	1	1	2	1	0	3	1	9	13	16	11	A	12	1	0	0	0	0	0	3.2	16.4
8-Jun-07	0 0:00 0:00	0	0	0	1	1	1	1	8	12	4	5	2	1	1	5	8	A	1	1	1	1	1	1	1	2.3	11.8	
9-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	A	0	0	1	0	0	0	0	0.4	0.6		
10-Jun-07	1 1:00 0:00	1	1	0	0	0	1	1	0	1	1	0	7	1	0	A	0	1	1	3	1	0	0	0	0	0.9	7.4	
11-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	0	1	0	1	1	A	1	2	1	1	1	0	0	0	0	0	0	0.5	1.7	
12-Jun-07	0 0:00 0:00	0	0	0	0	0	0	10	10	1	4	0	A	1	0	6	1	0	8	0	0	0	0	0	0	2.0	10.3	
13-Jun-07	0 0:00 0:00	0	0	0	0	0	0	1	6	9	6	10	A	9	12	6	3	0	3	0	0	0	0	0	0	3.1	12.5	
14-Jun-07	0 0:00 0:00	0	0	0	0	0	0	2	1	1	A	1	1	0	0	0	0	0	12	4	0	0	0	0	0	1.1	12.4	
15-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	0	A	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.3		
16-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8	
17-Jun-07	0 0:00 0:00	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4	
18-Jun-07	0 0:00 0:00	0	0	0	1	0	0	A	1	0	7	8	0	0	0	1	10	0	0	8	0	0	0	0	0	1.8	10.2	
19-Jun-07	0 0:00 0:00	0	0	0	0	0	A	5	9	1	4	3	1	5	1	1	14	12	9	0	0	1	1	0	0	3.0	13.5	
20-Jun-07	0 0:00 0:00	0	0	0	0	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.0	
21-Jun-07	0 0:00 0:00	A	2	1	2	0	0	0	0	C	C	C	C	A	10	0	0	0	0	0	0	0	0	0	0	0	1.1	10.2
22-Jun-07	0 0:00 0:00	0	0	0	0	A	1	1	1	0	4	5	1	6	0	1	5	0	0	0	0	0	0	0	0	1.3	5.6	
23-Jun-07	0 0:00 0:00	0	0	0	0	A	1	1	0	5	5	0	0	17	14	0	23	8	0	0	0	0	0	0	0	3.4	22.8	
24-Jun-07	0 0:00 0:00	0	0	0	A	0	0	1	1	0	0	0	0	0	1	3	0	0	0	0	1	1	0	0	0	0.6	2.6	
25-Jun-07	0 0:00 0:00	0	0	A	0	0	0	3	4	7	4	8	8	8	0	9	10	1	1	0	1	0	0	0	0	2.9	10.0	
26-Jun-07	1 A 0:00 0:00	0	0	0	0	0	1	3	13	10	1	3	4	0	C	C	0	0	0	0	0	0	0	0	0	1.8	12.6	
27-Jun-07	0 0:00 0:00	0	0	0	0	A	1	3	7	4	2	8	1	1	1	1	1	1	2	0	0	0	0	0	0	1.5	8.3	
28-Jun-07	0 0:00 0:00	0	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0.6	1.0	
29-Jun-07	1 1:00 0:00	A	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7	
30-Jun-07	0 0:00 A 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5	
Hourly Avg	0.4	0.3	0.3	0.3	0.4	0.4	1.3	2.1	3.0	2.0	2.1	1.9	2.0	1.9	2.1	3.4	2.0	1.5	1.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Hourly Max	1.3	0.6	0.6	0.7	1.6	1.4	11.9	10.3	12.6	9.7	10.3	8.3	16.6	13.7	13.0	22.8	12.4	12.4	12.3	1.3	1.2	1.0	0.6	1.2				

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 June 2007**



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	<	2	661
2	to	5	18
5	to	25	3
25	to	50	0
50	to	172	0
>	172		0
Total Non-Zero Values			682

PASZA - Evergreen Park - Total Reduced Sulphur Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

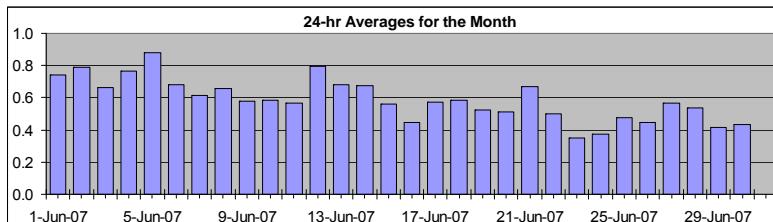
Objective Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
 Summary

Maximum 1-hr Average:	2.0	ppb	7-Jun	15:00 16:00
Maximum 24-hr Value:	0.9	ppb	5-Jun	

AIC Time:	32 hrs	Operational Time:	682 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.2	0.9	0.7	0.6	0.5	0.3	0.2	0.6 ppb	0.6 ppb

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	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-Jun-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	A	0.7	1.1
2-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	A	0.8	1.4	
3-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	1	1		
4-Jun-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	0.8	1.3
5-Jun-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	0.9	1.4
6-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.7	1.0
7-Jun-07	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	2	1	A	1	1	1	1	1	0	0	0.6	2.0
8-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	A	1	1	1	1	0	0	1	0.7	1.0
9-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	0	0	0	1	1	1	0	1	1	0.6	0.8
10-Jun-07	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	A	1	1	1	1	1	1	1	1	1	1	0.6	0.9
11-Jun-07	1	1	1	1	1	1	1	1	1	0	1	0	1	1	A	0	1	1	1	1	1	1	1	1	1	1	0.6	1.0
12-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0
13-Jun-07	1	1	1	1	1	1	0	1	1	1	1	1	1	1	A	0	1	1	1	1	1	1	1	1	1	1	0.7	1.0
14-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	0	1	1	1	1	1	1	1	1	1	0.7	1.0
15-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	0	0	0	0	0	0	0	1	0	0.6	1.1
16-Jun-07	0	1	1	0	0	0	0	0	0	0	0	0	0	0	A	0	1	1	0	0	0	0	0	0	1	0	0.4	0.6
17-Jun-07	1	1	1	1	1	1	1	1	A	0	0	1	1	1	1	1	1	1	0	0	0	1	0	0	1	1	0.6	0.8
18-Jun-07	1	1	1	1	1	1	1	A	1	1	0	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0.6	0.9
19-Jun-07	1	1	1	1	1	1	A	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0.5	0.7
20-Jun-07	1	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0.5	0.8
21-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	C	C	C	C	A	1	1	1	1	1	1	1	0.7	1.0
22-Jun-07	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0.5	0.8
23-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0.3	0.5
24-Jun-07	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.4	0.7
25-Jun-07	0	0	A	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0.5	0.7
26-Jun-07	1	A	0	1	0	0	1	1	0	0	1	1	0	0	0	C	C	0	0	0	0	0	0	0	0	0	0.4	0.7
27-Jun-07	0	0	0	0	A	1	1	2	1	0	1	0	1	1	1	1	1	1	0	0	1	0	1	1	1	0	0.6	1.7
28-Jun-07	1	1	0	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0.5	0.8
29-Jun-07	0	1	1	A	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
30-Jun-07	1	0	A	1	0	0	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	0.4	0.6

Hourly Avg	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.6
Hourly Max	1.4	1.4	1.4	1.3	1.1	1.1	1.2	1.1	1.7	1.1	0.9	0.9	0.7	0.9	1.2	2.0	0.9	1.0	0.9	0.8	1.0	1.0	0.8	0.8	1.3

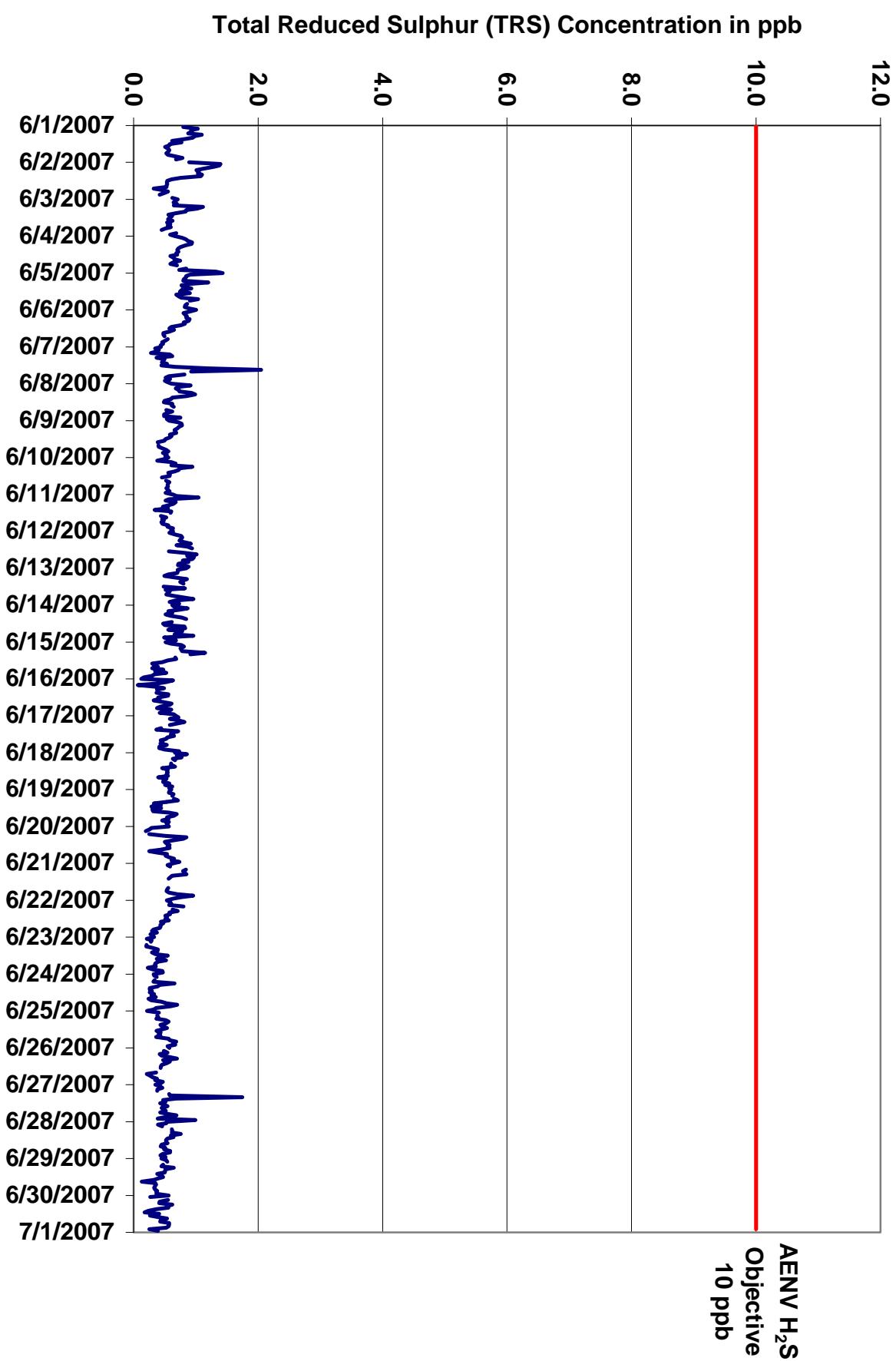


Figure 22. PASZA - Evergreen Park Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

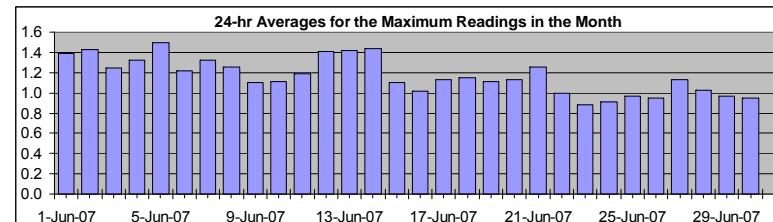
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	4.2 ppb	7-Jun 15:00 16:00
Maximum 24-hr Value:	1.5 ppb	5-Jun



AIC Time:	32 hrs	Operational Time:	682 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	2.3 1.7 1.3 1.1 1.0 0.8 0.7	1.2 ppb	1.1 ppb

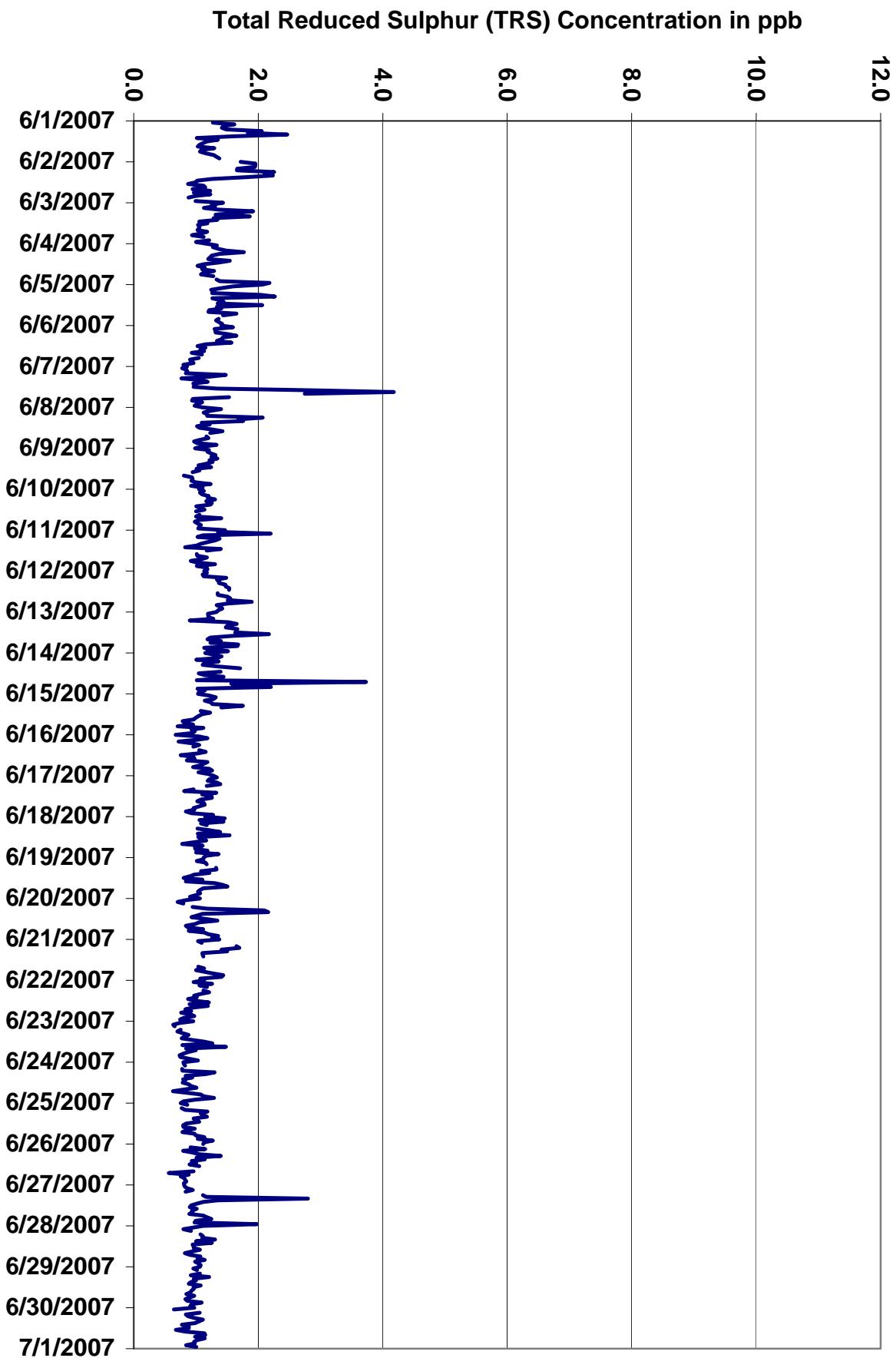
Status Flag Characters

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

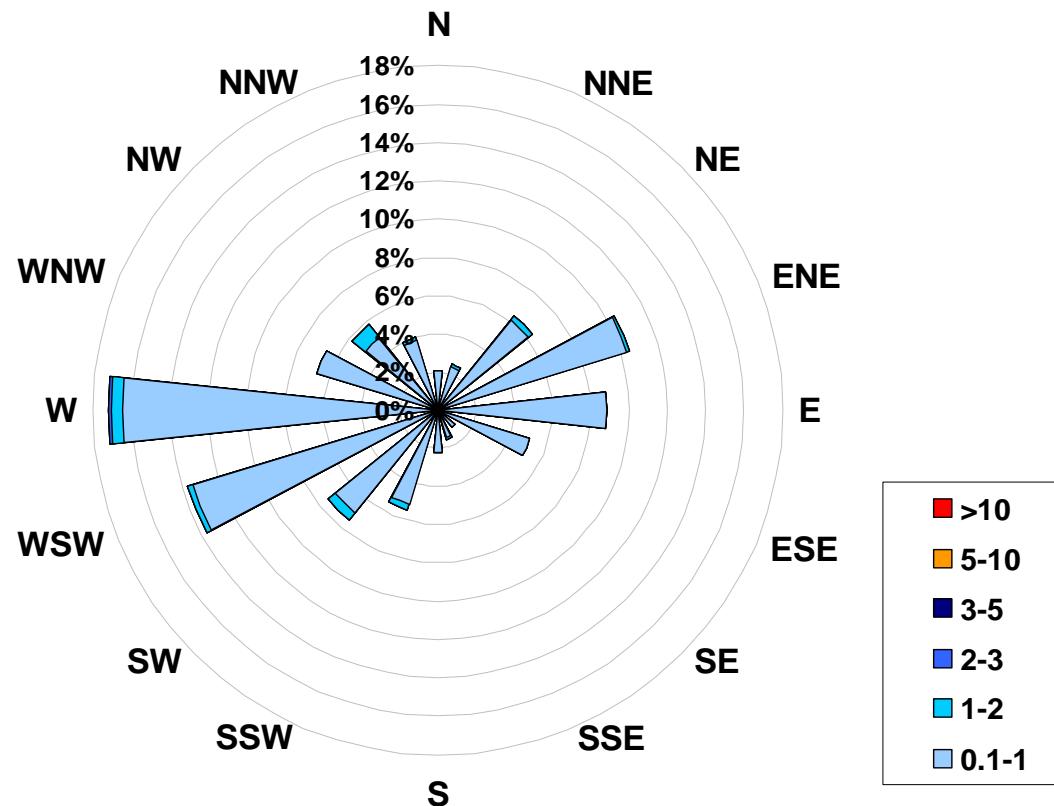
Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	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-Jun-07	A 1:00	1	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	2.5
2-Jun-07	2 2:00	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	2.3
3-Jun-07	1 1:00	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	1.9
4-Jun-07	1 1:00	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	1.3	2.2
5-Jun-07	2 2:00	2	1	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	2	1	A 1:00	1	1	1	1	1.5	2.3	
6-Jun-07	1 2:00	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1.2	1.6	
7-Jun-07	1 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	3	A 1:00	2	1	1	1	1	1	1	1.3	4.2	
8-Jun-07	1 1:00	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1.3	2.1		
9-Jun-07	1 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1.1	1.3		
10-Jun-07	1 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1.1	1.4		
11-Jun-07	1 1:00	1	2	1	1	1	1	1	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1.2	2.2		
12-Jun-07	1 1:00	1	1	1	1	1	1	1	1	1	2	2	A 1:00	1	1	2	2	2	2	2	2	1	1	1	1	1.4	1.9	
13-Jun-07	1 1:00	1	1	1	1	1	1	2	2	2	1	2	A 1:00	2	2	2	1	1	1	1	1	2	2	1	1	1.4	2.2	
14-Jun-07	1 1:00	1	1	1	1	1	1	1	1	2	A 1:00	1	1	1	1	1	4	2	2	2	2	1	1	1	1.4	3.7		
15-Jun-07	1 1:00	1	1	1	1	1	1	1	2	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.8		
16-Jun-07	1 1:00	1	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3		
17-Jun-07	1 1:00	1	1	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.4		
18-Jun-07	1 1:00	1	1	1	1	1	1	A 1:00	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.5	
19-Jun-07	1 1:00	1	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.1	1.5	
20-Jun-07	1 1:00	1	1	1	1	A 1:00	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.2	
21-Jun-07	1 1:00	A 2:00	2	2	1	1	1	1	1	C 1:00	A 1:00	1	1	1	1	1	1	1	1	1.3	1.7							
22-Jun-07	1 1:00	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3	
23-Jun-07	1 1:00	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.5	
24-Jun-07	1 1:00	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.3	
25-Jun-07	1 1:00	A 1:00	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	
26-Jun-07	1 1:00	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	C 1:00	C 1:00	1	1	1	1	1	1	1	0.9	1.4
27-Jun-07	1 1:00	1	1	1	1	1	A 1:00	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.8
28-Jun-07	1 1:00	1	1	1	1	A 1:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3
29-Jun-07	1 1:00	1	1	1	A 1:00	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-Jun-07	1 1:00	A 1:00	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
Hourly Avg		1.1	1.1	1.2	1.1	1.2	1.2	1.4	1.3	1.4	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Hourly Max		2.1	2.0	2.2	1.9	1.7	1.9	2.3	2.3	2.8	1.8	1.7	1.5	2.1	2.2	2.9	4.2	2.7	3.7	1.9	2.1	2.2	1.4	1.4	2.2			

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



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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	658
1	to	2	23
2	to	3	1
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			682

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

Station: Evergreen Park
Station Owner: PASZA

HOURLY AVERAGE TABLE

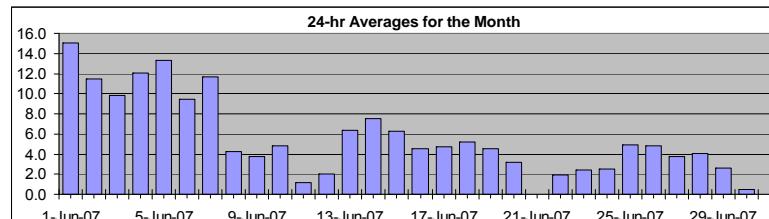
Particulate Matter (PM_{2.5})

Monitoring Dates: June 1, 2007 to July 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:	63.9	µg/m ³	1-Jun	0:00 1:00
Maximum 24-hr Value:	15.0	µg/m ³	1-Jun	



Status Flag Characters

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

AIC Time:	0 hrs			Operational Time:				699 hrs
Calibration Time:	12 hrs			AMD Operational Uptime:				98.8%
Percentile	99	95	75	50	25	5	1	Average / Median
	29.9	15.6	8.3	4.1	1.2	0.0	0.0	5.7 4 µg/m ³
								Geomean 4.6 µg/m ³

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start 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		
1-Jun-07	64	30	15	9	7	13	29	26	23	16	5	6	3	5	6	11	6	5	8	16	10	19	14	15	15.0	63.9
2-Jun-07	14	13	17	14	13	16	16	17	18	19	14	10	8	8	5	7	3	5	5	10	12	11	9	12	11.4	18.5
3-Jun-07	18	17	17	14	12	22	15	15	11	7	4	9	2	3	3	5	5	4	5	4	10	11	12	11	9.8	22.5
4-Jun-07	12	11	11	11	P	12	12	12	13	13	13	10	9	11	11	12	14	14	8	13	15	14	14	11	12.0	15.1
5-Jun-07	14	12	11	12	11	9	12	9	10	6	5	5	6	5	4	8	12	14	13	4	18	29	41	50	13.3	49.6
6-Jun-07	53	38	14	D	3	11	8	1	2	0	0	0	3	0	5	5	6	5	7	7	12	15	10	12	9.4	52.6
7-Jun-07	12	11	10	8	9	18	11	13	9	3	4	2	9	27	42	43	18	11	16	0	3	0	0	1	11.7	42.5
8-Jun-07	2	3	2	2	1	3	5	10	9	5	7	5	5	0	3	3	2	4	1	6	10	5	4	6	4.3	9.8
9-Jun-07	8	9	2	4	4	3	0	1	0	3	4	3	1	0	0	2	2	4	5	12	9	7	0	7	3.7	11.9
10-Jun-07	7	8	6	7	8	8	9	9	7	2	0	0	5	9	D	0	2	0	1	6	7	2	2	5	4.8	9.5
11-Jun-07	0	1	0	0	1	7	0	0	2	D	1	0	0	0	0	1	0	5	5	2	0	0	2	0	1.1	7.0
12-Jun-07	0	0	0	1	1	1	2	10	6	0	0	1	2	0	1	1	0	0	9	5	3	2	2	2	2.0	9.9
13-Jun-07	4	3	1	2	2	6	4	11	12	4	2	3	4	5	1	15	22	14	11	5	4	8	5	5	6.4	21.6
14-Jun-07	4	5	3	2	3	7	7	9	7	8	3	2	4	20	5	5	11	16	14	19	9	8	5	7	7.6	19.8
15-Jun-07	10	8	9	9	11	14	8	9	7	2	10	11	3	0	6	0	4	10	10	3	2	0	2	1	6.3	14.1
16-Jun-07	6	8	5	8	6	6	9	0	2	2	0	4	5	2	2	4	6	5	3	6	12	2	3	3	4.6	11.9
17-Jun-07	1	4	7	6	6	5	9	6	4	D	0	8	1	1	2	1	9	7	0	9	8	6	3	4.7	9.3	
18-Jun-07	12	8	8	4	4	6	10	9	3	10	3	1	12	8	1	0	D	6	5	2	3	0	2	1	5.2	12.2
19-Jun-07	3	3	3	2	3	8	14	14	3	0	1	0	0	1	0	6	18	9	1	9	6	4	0	1	4.5	17.9
20-Jun-07	2	2	0	2	1	8	12	2	6	5	1	0	0	3	3	1	0	5	5	0	11	5	1	3	3.2	12.1
21-Jun-07	0	0	0	0	3	4	6	12	2	D	0	D	1	C	C	C	C	C	C	D	0	0	0	0	N	12.1
22-Jun-07	0	0	1	1	3	4	4	7	3	0	0	1	11	1	0	1	0	0	0	3	0	1	0	1	1.9	11.1
23-Jun-07	0	0	1	1	0	0	2	1	4	2	0	2	14	3	3	11	3	2	4	1	0	1	0	1	2.4	14.4
24-Jun-07	1	1	1	2	5	8	11	1	0	1	1	1	1	0	2	4	4	3	1	2	5	3	1	1	2.5	10.6
25-Jun-07	4	6	4	1	3	6	6	11	10	7	7	5	3	1	8	11	2	2	4	4	3	3	4	5	4.9	11.1
26-Jun-07	3	3	3	3	3	5	8	9	18	10	7	3	7	2	C	C	C	C	C	0	0	2	2	2	4.8	17.7
27-Jun-07	1	0	0	0	1	2	2	3	5	7	11	5	2	2	7	5	4	6	8	5	2	2	1	3.7	10.9	
28-Jun-07	0	0	1	1	2	4	3	1	4	5	8	6	5	6	8	7	7	7	8	12	0	0	1	2	4.1	11.8
29-Jun-07	0	1	2	1	1	5	7	3	4	5	3	2	1	0	3	1	11	3	7	0	0	0	2	0	2.6	11.4
30-Jun-07	0	0	0	1	1	2	1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0.5	1.8

Hourly Avg	8.5	6.9	5.2	4.4	4.4	7.4	8.0	7.7	7.0	5.3	3.8	3.5	4.3	4.6	4.7	6.1	6.1	5.9	6.0	5.6	6.1	5.3	5.0	5.6
Hourly Max	63.9	38.3	16.9	14.4	12.9	22.5	29.5	26.3	23.4	18.5	14.2	11.2	14.4	27.4	42.2	42.5	21.6	15.8	16.0	18.6	18.5	28.8	41.1	49.6

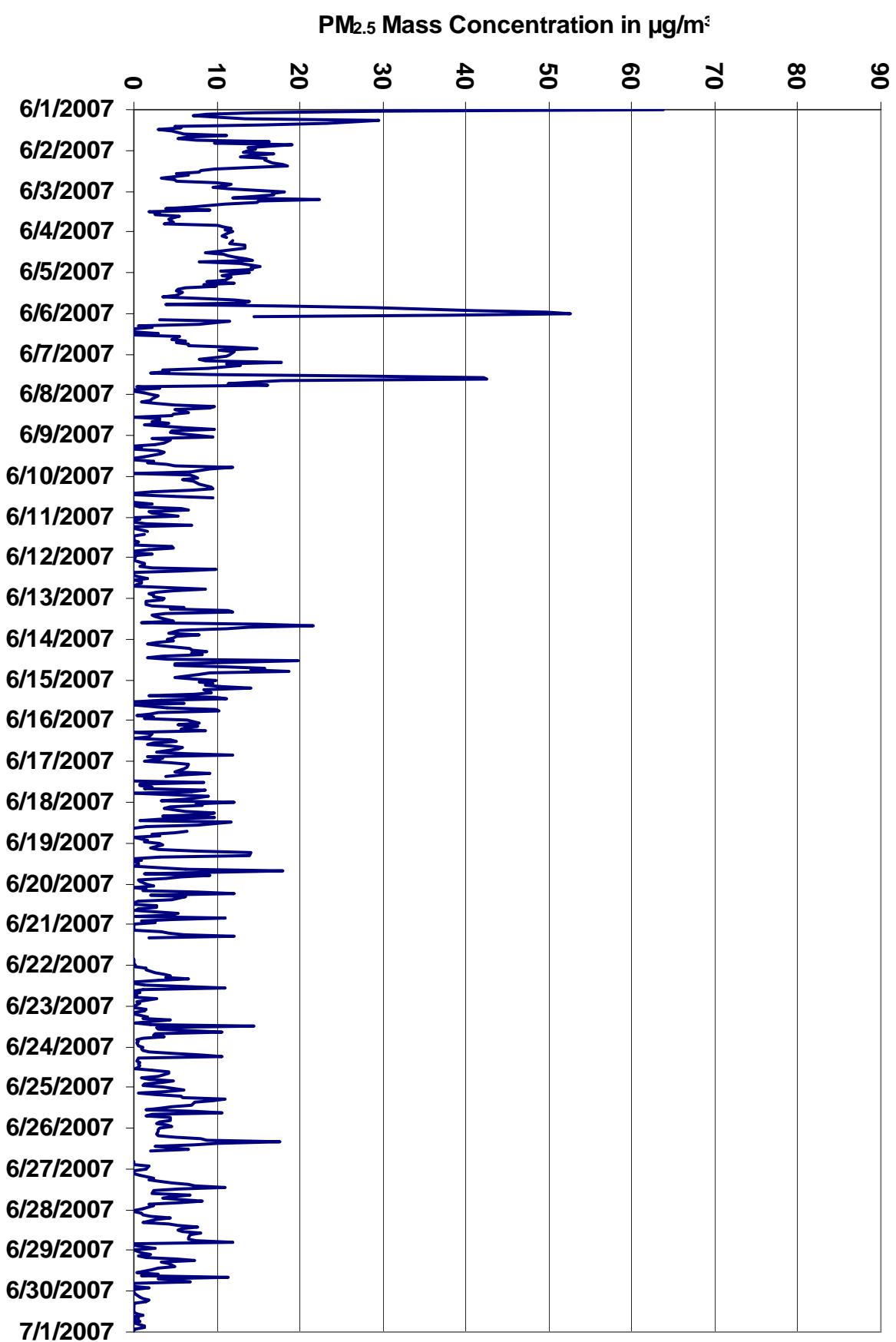


Figure 24. PASZA - Evergreen Park Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Evergreen Park
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: June 1, 2007 to July 1, 2007

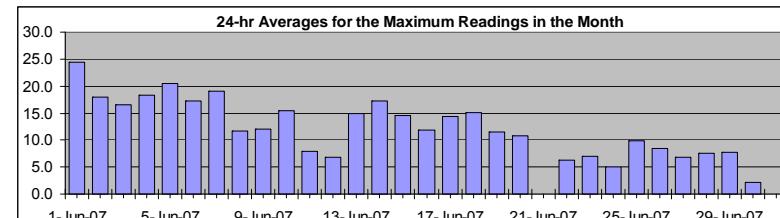
Summary

Maximum 1-hr Average:	77.4	µg/m ³	1-Jun	0:00 1:00
Maximum 24-hr Value:	24.4	µg/m ³	1-Jun	

AIC Time:	0 hrs	Operational Time:	699 hrs						
Calibration Time:	12 hrs	AMD Operational Uptime:	98.8%						
Percentile	99 55.3	95 28.2	75 15.7	50 10.2	25 5.6	5 2.1	1 0.6	Average / Median 12.3	Geomean 11.1 µg/m ³

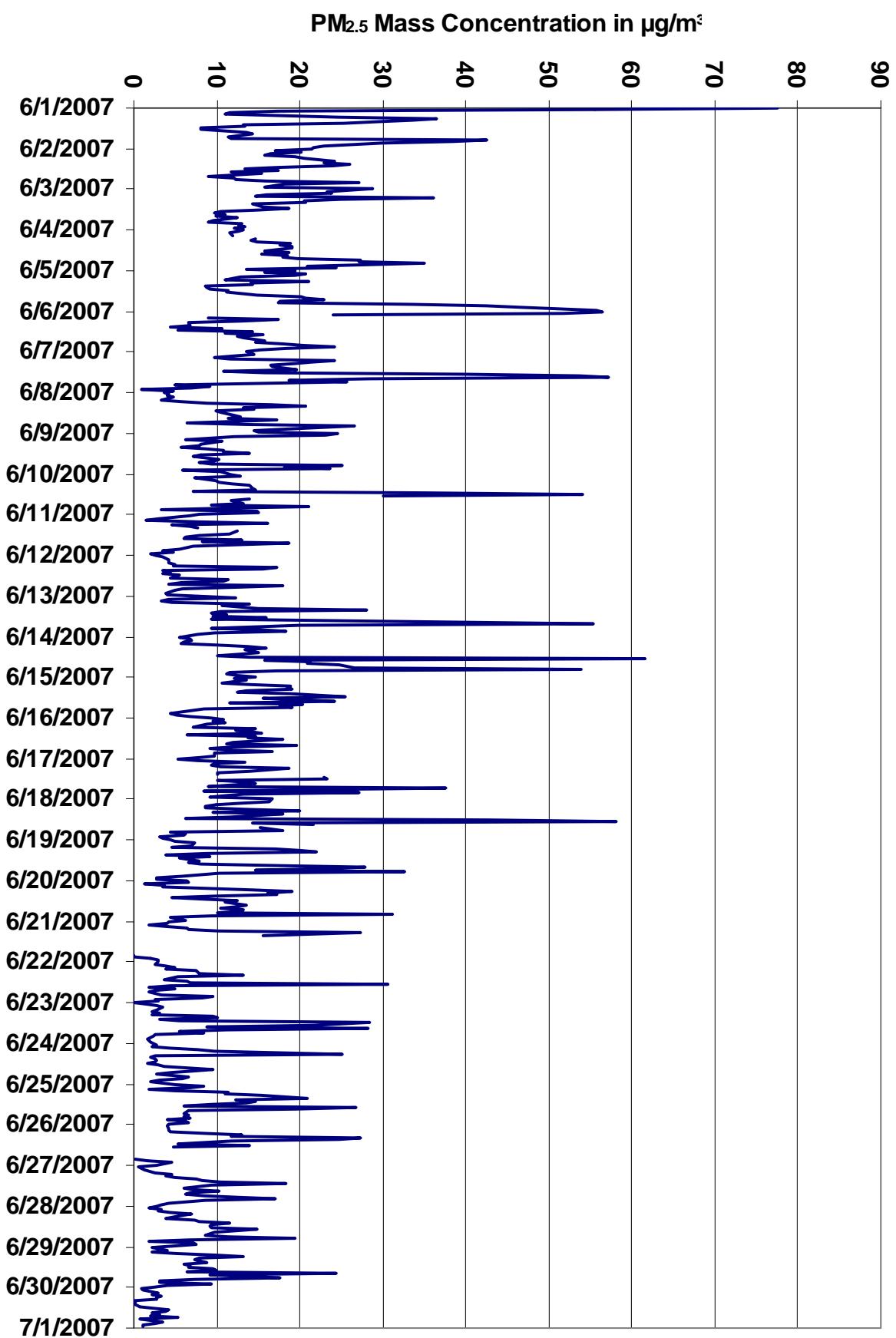
Day Mountain Standard Time

	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																									
1-Jun-07	77	56	17	12	11	25	37	34	29	25	13	13	8	8	14	14	13	11	12	43	38	30	23	22	24.4	77.4
2-Jun-07	21	17	20	16	16	19	20	24	23	26	24	17	13	17	12	15	9	12	12	16	27	18	17	16	17.9	27.1
3-Jun-07	29	23	24	16	15	36	25	20	21	14	16	19	15	10	10	11	10	12	9	9	13	13	13	12	16.5	36.1
4-Jun-07	13	13	12	12	P	15	14	15	19	18	19	19	16	19	15	19	18	20	27	27	35	21	24	14	18.3	35.0
5-Jun-07	19	16	21	19	13	11	21	14	14	9	9	9	11	11	15	20	21	23	18	17	34	43	47	56	20.4	55.7
6-Jun-07	56	52	24	D	9	17	13	7	7	4	11	5	14	11	16	12	13	16	15	18	20	24	18	15	17.3	56.4
7-Jun-07	14	15	12	10	12	24	22	19	16	17	20	11	16	40	54	57	28	19	26	5	9	7	1	5	19.0	57.2
8-Jun-07	4	4	4	5	3	6	9	16	21	13	15	10	10	12	13	11	17	12	6	14	27	19	15	15	11.7	26.5
9-Jun-07	24	23	12	9	6	11	8	8	6	9	11	11	14	8	7	10	10	8	9	25	18	24	6	10	12.0	25.2
10-Jun-07	12	13	7	9	10	10	12	14	14	15	7	35	54	30	D	14	12	13	9	21	11	3	15	15	15.5	54.2
11-Jun-07	8	7	3	1	8	16	5	7	8	D	12	12	8	6	6	13	8	19	13	7	5	4	5	2	7.9	18.6
12-Jun-07	3	4	4	4	4	5	5	17	16	3	4	4	6	4	11	11	6	4	18	12	6	5	4	4	6.8	18.0
13-Jun-07	9	12	4	3	5	14	11	15	28	10	9	11	9	16	9	40	55	20	15	9	15	18	10	8	14.9	55.3
14-Jun-07	6	7	7	6	6	10	14	16	13	15	13	10	14	62	16	21	21	25	27	54	17	12	11	12	17.2	61.6
15-Jun-07	15	12	14	11	14	19	18	19	14	12	19	25	16	20	24	12	20	18	19	8	6	4	5	7	14.6	25.5
16-Jun-07	9	11	10	11	9	7	15	12	14	15	6	15	14	18	12	11	20	12	9	11	17	10	10	8	11.9	19.7
17-Jun-07	5	8	13	10	9	10	19	14	10	10	D	23	23	10	14	15	9	37	22	9	27	13	11	9	14.4	37.5
18-Jun-07	17	16	13	10	9	9	14	20	10	18	12	6	43	58	14	22	D	15	18	4	6	6	3	3	15.0	58.1
19-Jun-07	4	5	7	7	5	17	20	22	9	4	9	6	8	7	8	18	28	23	15	33	10	6	3	3	11.4	32.5
20-Jun-07	6	7	1	4	3	14	19	16	17	10	4	8	12	11	14	12	10	13	13	10	31	9	4	6	10.8	31.2
21-Jun-07	4	4	2	4	6	7	10	27	16	D	17	D	18	C	C	C	C	C	C	D	0	0	2	3	N	27.4
22-Jun-07	3	3	4	5	4	7	8	8	13	5	4	6	7	31	4	2	5	3	2	3	9	8	3	3	6.2	30.6
23-Jun-07	0	2	3	3	3	2	3	2	9	10	3	5	29	22	9	28	11	6	9	3	2	2	2	2	7.1	28.5
24-Jun-07	2	3	2	4	8	10	25	3	2	3	3	3	2	3	4	9	7	5	3	5	7	6	3	2	5.1	25.1
25-Jun-07	5	8	7	2	5	11	11	15	21	12	15	14	9	6	27	19	7	6	7	6	7	4	6	7	9.9	26.7
26-Jun-07	4	4	4	4	4	9	13	12	27	25	12	5	14	5	C	C	C	C	C	C	0	2	5	4	8.5	27.3
27-Jun-07	3	1	1	1	3	5	4	5	7	8	10	18	9	6	7	10	7	6	8	13	17	9	4	3	6.9	18.3
28-Jun-07	3	2	3	3	4	7	6	4	7	8	12	9	9	9	15	10	9	9	11	19	7	2	7	8	7.6	19.4
29-Jun-07	2	3	4	2	5	10	13	8	7	9	6	7	7	10	10	6	24	9	18	7	3	3	9	4	7.8	24.4
30-Jun-07	3	1	1	3	2	3	3	3	0	0	0	1	2	4	4	2	3	2	5	1	3	3	1	1	2.1	5.3

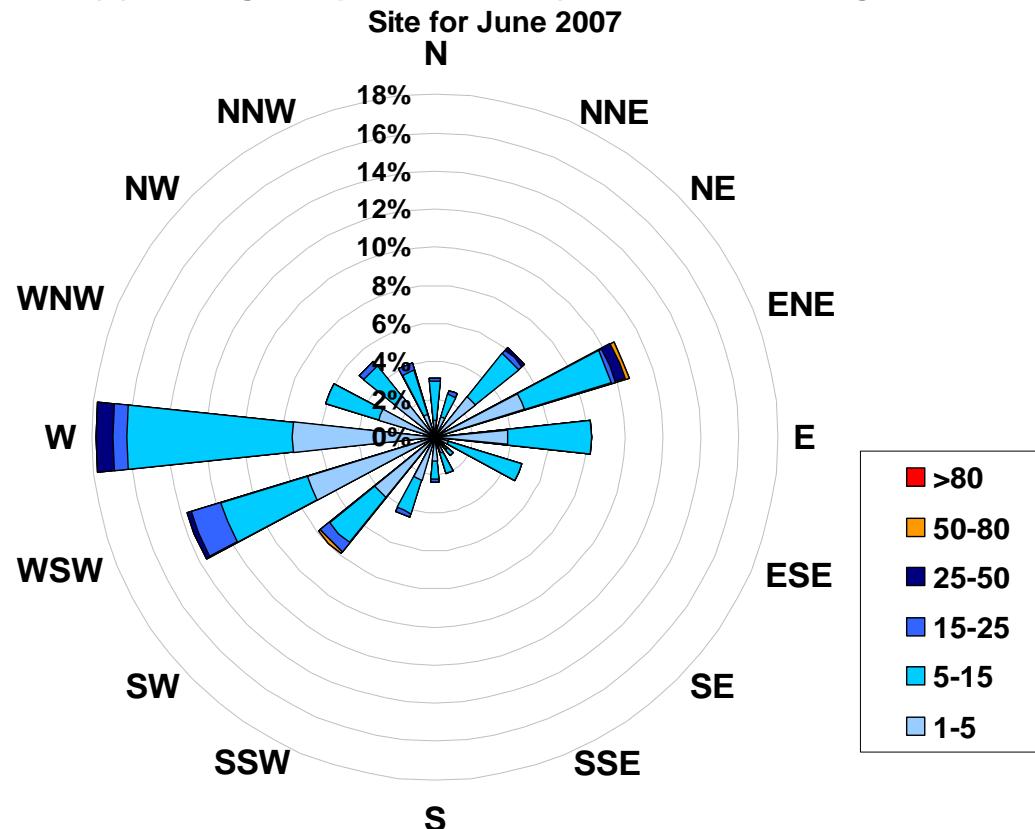


C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

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



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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			Frequency (hrs)
Range			
1.0	<	5	402
5	to	15	259
15	to	25	26
25	to	50	10
50	to	80	2
	>	80	0
Total Non-Zero Values			699

PASZA - Evergreen Park - Temperature Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

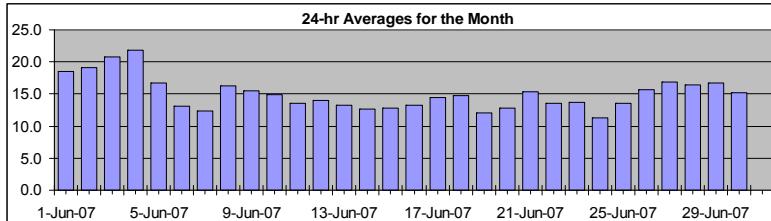
Maximum 1-hr Average:	29.3 °C	4-Jun 14:00 15:00
Maximum 24-hr Value:	21.8 °C	4-Jun

AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99 28.0	95 24.7	75 18.4	50 15.0	25 11.2	5 7.0	1 3.2	Average 15.0 °C	Median 15.0 °C

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-Jun-07	11	10	10	9	10	11	13	14	16	20	23	25	26	27	27	26	27	27	26	23	21	17	15	13	18.5	27.3	
2-Jun-07	13	12	11	11	11	11	13	15	17	21	23	25	25	25	26	27	27	27	27	24	21	18	16	14	19.2	27.5	
3-Jun-07	13	12	11	10	9	10	15	18	21	24	25	26	27	28	28	29	29	28	27	26	24	22	20	19	20.8	28.7	
4-Jun-07	18	17	17	15	14	15	17	19	21	23	25	27	28	29	29	29	28	27	25	21	21	19	18	19	21.8	29.3	
5-Jun-07	18	17	18	17	16	17	17	16	15	15	15	15	16	17	18	19	19	19	20	18	16	15	15	15	16.8	19.6	
6-Jun-07	14	13	13	13	11	10	9	9	9	11	14	16	16	17	17	18	17	18	18	18	17	14	9	6	5	13.1	17.7
7-Jun-07	3	3	2	2	2	4	8	10	12	14	16	18	19	19	19	17	16	17	18	18	17	16	15	14	12.4	18.9	
8-Jun-07	13	13	13	13	12	13	13	14	15	16	17	18	19	19	20	20	21	20	20	20	18	16	15	14	16.3	20.7	
9-Jun-07	13	11	11	10	9	9	12	14	15	17	18	19	20	20	21	21	21	20	19	17	14	13	14	13	15.5	21.0	
10-Jun-07	13	12	12	12	11	11	12	12	13	15	17	17	16	14	18	20	20	20	20	19	16	14	13	11	14.9	20.1	
11-Jun-07	11	10	9	8	8	9	11	12	13	14	15	15	17	17	17	18	19	18	16	15	14	13	13	13	13.6	18.9	
12-Jun-07	13	12	12	11	11	11	11	11	11	13	13	14	15	16	17	18	18	18	18	17	17	15	13	11	14.0	18.0	
13-Jun-07	10	7	5	3	2	3	8	11	14	16	17	18	19	20	20	20	19	18	18	17	17	14	12	9	13.2	20.1	
14-Jun-07	8	7	9	9	9	10	9	10	12	14	16	18	18	15	16	16	18	18	17	14	12	11	9	8	12.6	18.5	
15-Jun-07	8	8	8	8	8	8	9	12	14	16	17	18	19	20	21	21	17	13	11	11	10	9	8	12.8	21.3		
16-Jun-07	8	9	9	9	9	10	11	12	13	15	16	17	17	18	19	20	21	21	21	20	18	13	11	9	13.2	18.9	
17-Jun-07	8	8	8	8	8	8	9	10	13	16	18	20	19	19	20	21	21	21	20	20	18	13	11	9	14.5	21.5	
18-Jun-07	9	10	11	12	11	12	12	14	16	18	18	19	18	17	19	17	19	18	17	15	15	14	12	11	14.7	19.4	
19-Jun-07	10	9	8	7	7	7	8	9	12	13	15	15	16	16	18	18	16	16	16	15	12	10	9	8	12.0	17.8	
20-Jun-07	7	7	6	5	5	6	9	10	11	13	15	16	17	18	19	20	20	19	18	17	14	12	12	12	12.8	20.0	
21-Jun-07	11	11	10	10	10	11	11	12	13	15	17	19	19	20	20	20	20	20	19	18	16	13	12	12	15.3	20.0	
22-Jun-07	10	8	7	7	7	7	11	12	14	15	16	17	19	15	14	18	19	19	19	19	18	14	12	11	13.6	19.3	
23-Jun-07	11	9	8	8	9	9	10	11	11	12	14	16	17	18	18	18	19	18	18	18	17	14	13	11	13.7	18.7	
24-Jun-07	8	5	3	2	2	4	8	11	13	15	17	18	19	19	19	17	14	14	14	14	13	9	7	6	11.3	19.2	
25-Jun-07	5	6	8	6	5	6	9	10	12	14	16	18	18	19	20	18	19	20	18	17	17	15	13	13	13.6	20.3	
26-Jun-07	11	9	6	5	4	5	10	13	16	17	19	20	21	22	22	23	23	23	22	22	20	16	14	11	15.7	23.3	
27-Jun-07	10	11	11	11	10	11	14	15	18	19	19	21	22	23	24	24	25	24	21	16	15	13	13	13	16.8	25.0	
28-Jun-07	13	12	12	11	11	12	14	16	16	18	18	20	20	21	22	22	21	21	20	18	16	14	13	14	16.5	22.2	
29-Jun-07	14	13	12	11	10	11	13	16	18	19	21	22	23	24	25	24	17	16	18	16	15	14	15	14	16.7	24.8	
30-Jun-07	13	13	13	12	12	12	12	12	12	13	15	16	18	18	19	19	20	19	18	17	16	15	14	14	15.2	19.6	

HOURLY AVERAGE TABLE

Ambient Temperature (T)



Status Flag Characters

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

Hourly Avg	10.9	10.2	9.7	9.1	8.7	9.4	11.2	12.7	14.2	16.0	17.5	18.7	19.4	19.7	20.4	20.5	20.1	19.7	19.1	17.9	16.3	14.3	13.0	11.8
Hourly Max	17.8	17.4	17.7	16.7	16.2	16.7	17.2	19.2	21.3	23.6	25.2	26.8	27.9	29.0	29.3	29.2	28.6	28.0	27.4	25.9	23.7	22.0	20.3	19.2

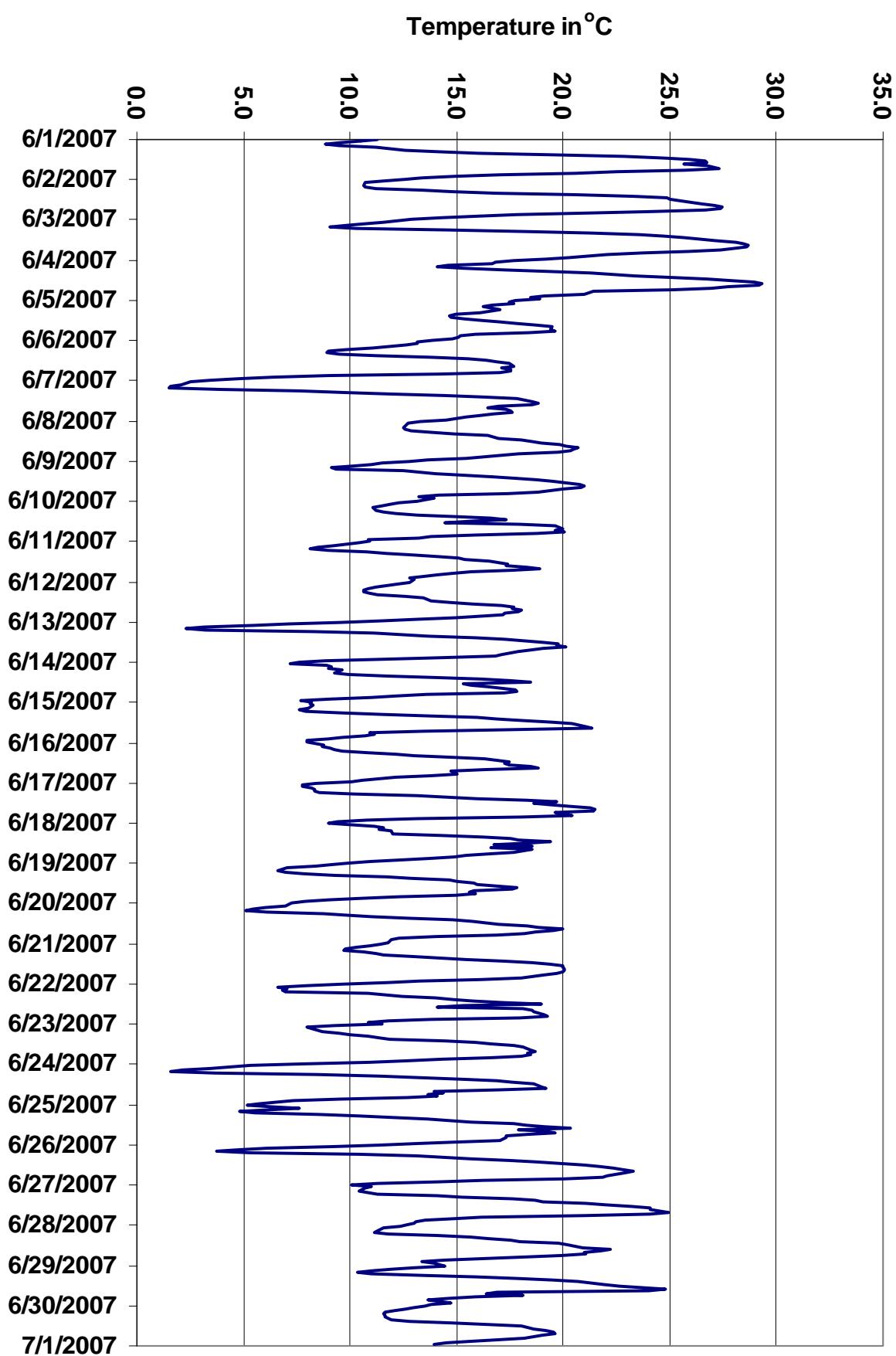


Figure 26. PASZA - Evergreen Park Temperature 1-hr Average Monthly Trend

PASZA - Evergreen Park - Scalar Wind Speed Monthly Summary

Station: Evergreen Park
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	32.6 km/hr	30-Jun 13:00 14:00
Maximum 24-hr Value:	18.1 km/hr	30-Jun

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%				
Percentile	99	95	75	50	25	5	1	AverageS
	23.9	17.3	10.2	7.3	5.1	2.7	2.3	8.2 km/hr

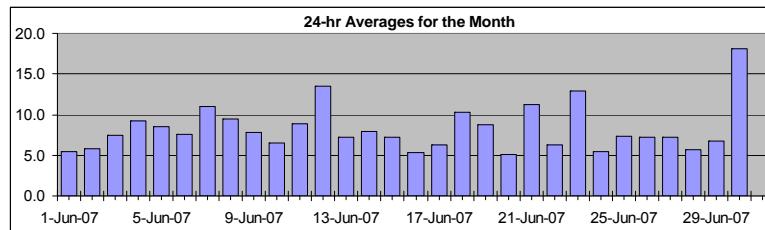
Day Mountain Standard Time

	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	6:00 7:00	7:00 8:00	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-hr Scalar Average	Daily Max
	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			
1-Jun-07	3	3	3	4	4	5	7	6	5	4	6	7	8	10	8	7	8	9	5	7	4	3	3	3	2	5.5	9.8		
2-Jun-07	2	2	2	3	2	3	6	5	5	6	9	10	11	10	9	8	8	9	8	4	4	4	4	4	4	4	5.7	10.9	
3-Jun-07	3	3	3	2	3	3	3	5	6	8	12	11	10	10	11	12	11	12	11	11	8	9	8	7	7	7.5	12.5		
4-Jun-07	5	6	6	6	7	7	7	10	12	11	13	14	14	13	14	15	13	9	11	7	7	3	5	5	5	9.2	15.2		
5-Jun-07	4	5	10	9	8	10	10	9	8	7	9	9	9	8	9	12	11	10	8	7	7	8	8	8	8	8.5	11.6		
6-Jun-07	8	9	10	13	14	12	6	6	5	5	8	10	9	10	9	9	8	7	6	5	4	2	3	2	7.5	13.9			
7-Jun-07	3	3	3	3	4	3	7	8	10	8	10	11	12	15	20	21	19	18	15	14	10	15	18	14	11.0	21.2			
8-Jun-07	7	8	9	7	8	9	11	12	11	11	12	11	10	11	11	12	11	11	9	6	4	10	11	6	6	9.5	12.4		
9-Jun-07	4	4	4	3	3	4	5	7	8	9	9	9	10	11	12	12	12	12	10	10	8	5	9	10	7.9	11.9			
10-Jun-07	9	8	7	6	5	3	3	4	6	6	7	6	7	6	7	6	7	4	6	10	7	6	10	9	6.5	10.1			
11-Jun-07	7	6	6	6	6	6	11	12	9	9	7	6	8	8	7	7	6	8	14	11	14	17	10	11	8.9	16.9			
12-Jun-07	16	18	17	18	20	19	17	14	12	12	14	12	9	11	11	12	10	10	11	16	17	13	10	7	13.5	19.8			
13-Jun-07	5	3	5	3	2	3	5	9	10	8	9	10	9	8	6	14	17	13	10	5	6	8	4	3	3	7.2	17.0		
14-Jun-07	3	3	4	6	7	7	8	7	10	11	11	9	6	5	8	11	14	16	13	9	7	5	4	3	3	7.9	16.2		
15-Jun-07	3	5	6	6	6	7	5	6	5	7	6	8	9	9	10	18	15	8	10	5	4	4	4	3	7.2	17.7			
16-Jun-07	3	3	2	4	3	4	4	4	5	5	6	7	7	7	8	9	10	9	7	5	5	4	4	5	5.4	9.7			
17-Jun-07	3	7	6	5	8	8	8	7	8	5	6	5	10	10	8	7	7	9	6	2	2	2	3	3	6.2	10.3			
18-Jun-07	3	4	5	6	7	5	6	6	5	7	7	6	11	9	14	15	23	26	24	17	9	12	9	9	10.3	26.3			
19-Jun-07	9	9	9	9	10	9	11	10	12	10	6	7	7	7	10	15	13	10	8	7	6	5	4	4	8.7	15.3			
20-Jun-07	4	3	2	3	3	3	3	3	4	6	7	8	8	7	7	7	6	6	8	7	5	5	5	3	3	5.1	8.4		
21-Jun-07	5	5	3	4	5	5	5	9	12	15	19	20	25	23	20	20	17	15	13	9	7	5	5	5	11.3	24.6			
22-Jun-07	4	4	3	3	4	5	5	7	6	6	6	6	17	7	7	10	8	5	5	7	11	7	6	6	6.3	17.3			
23-Jun-07	6	4	5	5	9	9	10	15	17	15	16	16	18	20	19	20	18	15	17	13	13	11	11	7	12.9	20.1			
24-Jun-07	4	3	3	2	3	3	4	7	11	8	7	7	7	8	13	8	7	4	5	3	3	2	2	2	5.4	12.8			
25-Jun-07	3	4	5	3	4	4	8	10	11	9	6	8	10	10	13	9	7	7	5	4	7	12	10	8	7.4	13.0			
26-Jun-07	5	5	4	2	2	3	9	9	13	14	11	10	10	9	10	7	7	8	7	8	6	6	5	4	7.2	13.7			
27-Jun-07	6	6	7	7	5	4	6	7	7	7	7	7	9	6	8	8	8	7	14	8	14	7	6	5	7.3	14.2			
28-Jun-07	8	5	4	4	3	3	4	4	4	4	5	7	7	8	8	8	6	6	6	8	6	5	5	10	5.7	9.9			
29-Jun-07	10	4	5	2	3	3	5	5	5	5	7	8	8	9	9	10	9	5	8	4	5	11	13	6.7	13.5				
30-Jun-07	12	10	8	10	9	13	13	12	15	18	22	22	27	33	29	28	24	24	23	20	15	14	15	17	18.1	32.6			

1-hr Average	5.6	5.4	5.6	5.4	5.8	6.0	7.1	7.6	8.5	8.4	9.2	9.4	10.2	11.0	10.8	11.5	11.7	11.1	10.1	9.0	7.5	7.3	7.1	6.5
Hourly Max	16.3	17.8	17.2	17.6	19.8	18.6	16.9	15.5	17.1	18.1	22.0	22.1	27.1	32.6	29.1	28.4	24.0	26.3	23.5	20.2	17.2	16.9	17.9	16.8

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Status Flag Characters

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

PASZA - Evergreen Park - Vector Wind Speed Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

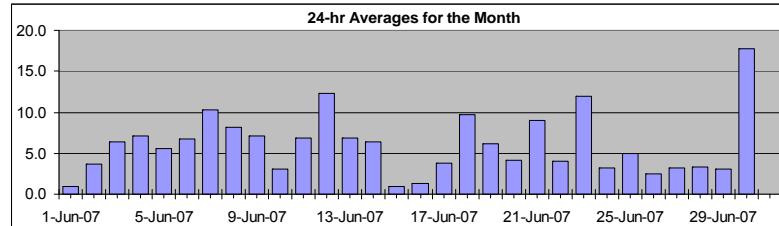
Maximum 1-hr Average:	32.2	km/hr	30-Jun	13:00 14:00
Maximum 24-hr Value:	17.8	km/hr	30-Jun	

Calm Time:	15 hrs	2% calms	Operational Time:	705 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%
Percentile				AverageV
99	95	75	50	25 5 1
23.5	17.1	9.5	6.4	4.2 1.5 1.0
				7.3 km/hr

Day	Mountain Standard Time																									24-hr Vector Average	Daily Max
	Hour Start 1:00	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-Jun-07	2	2	calm	3	4	5	6	6	5	4	4	4	6	9	7	7	8	7	5	2	4	1	2	1	1.0	9.2	
2-Jun-07	2	1	2	3	calm	calm	5	4	3	5	8	10	10	9	7	7	7	8	7	4	4	4	4	4	3.7	10.3	
3-Jun-07	1	1	2	2	3	2	1	4	3	7	11	10	9	8	10	11	10	12	11	10	8	8	8	7	6.4	11.9	
4-Jun-07	5	6	6	6	7	7	7	10	12	11	12	13	14	12	13	14	13	9	7	7	6	calm	1	4	7.2	14.2	
5-Jun-07	1	4	10	8	8	10	10	8	6	6	8	8	8	7	9	11	10	10	8	6	7	8	8	8	5.6	11.3	
6-Jun-07	8	8	10	13	14	12	6	6	4	5	7	9	9	9	7	8	7	6	6	4	3	1	1	1	6.8	13.6	
7-Jun-07	1	1	3	3	4	3	6	7	9	8	9	9	11	14	20	21	18	18	14	14	10	15	18	14	10.2	21.0	
8-Jun-07	7	8	9	6	7	9	11	12	11	10	10	10	9	10	9	9	11	11	8	5	3	9	8	4	8.1	12.1	
9-Jun-07	calm	3	1	calm	2	3	5	6	8	9	8	7	9	10	11	11	11	11	10	10	8	5	9	9	7.1	11.3	
10-Jun-07	8	8	7	6	3	2	3	4	6	5	5	4	2	4	5	4	3	3	4	9	7	6	8	5	3.1	9.1	
11-Jun-07	6	2	5	5	5	6	11	11	8	7	6	5	6	5	5	4	4	7	14	11	14	17	10	11	6.8	16.8	
12-Jun-07	16	18	17	18	20	19	17	13	11	12	13	11	9	10	10	11	10	9	11	15	17	13	10	7	12.3	19.8	
13-Jun-07	5	2	5	3	1	2	4	9	9	7	8	8	5	6	2	13	16	12	9	5	5	8	2	2	6.8	16.1	
14-Jun-07	2	3	4	5	7	7	7	7	10	10	10	8	4	2	7	11	13	15	13	4	6	4	4	3	6.4	15.5	
15-Jun-07	2	4	6	6	5	5	7	5	4	4	4	6	5	6	8	7	6	17	15	7	10	4	3	1	0.9	17.2	
16-Jun-07	3	3	2	4	2	4	2	4	3	4	4	5	6	7	7	8	8	9	6	4	4	3	3	4	1.4	8.8	
17-Jun-07	3	6	6	5	8	8	8	6	7	4	4	2	6	9	6	4	5	1	8	6	1	1	1	2	3.7	9.2	
18-Jun-07	calm	3	4	5	6	5	6	5	1	5	6	4	9	8	13	14	23	26	23	17	9	12	9	9	9.7	25.9	
19-Jun-07	9	9	8	8	10	8	11	10	12	9	3	5	6	5	5	9	15	13	10	1	7	5	4	4	6.2	14.8	
20-Jun-07	4	1	1	2	calm	1	2	calm	2	6	6	7	8	5	6	6	6	5	6	7	3	1	2	2	4.1	7.5	
21-Jun-07	5	4	4	2	3	4	4	3	8	11	14	18	20	24	23	20	19	17	14	13	8	7	4	1	9.0	24.0	
22-Jun-07	2	1	2	1	1	calm	4	4	6	6	5	3	3	16	4	5	8	6	3	4	5	8	7	6	4.1	15.9	
23-Jun-07	6	3	4	5	9	9	10	15	17	14	16	15	17	19	18	19	17	14	16	13	13	11	10	5	12.0	19.4	
24-Jun-07	3	2	1	calm	1	2	3	5	10	7	6	6	5	5	6	12	5	7	3	4	2	2	1	2	3.2	11.6	
25-Jun-07	calm	3	5	2	2	2	7	10	11	8	5	6	8	8	11	3	6	5	5	4	7	12	10	8	5.0	11.9	
26-Jun-07	5	4	4	1	1	2	9	9	13	13	10	8	9	6	8	4	6	7	6	7	6	6	5	4	2.5	13.2	
27-Jun-07	6	6	7	7	5	3	5	6	6	6	6	6	5	7	3	6	6	5	13	7	3	4	4	3	3.2	13.0	
28-Jun-07	7	2	3	calm	2	2	4	4	2	3	3	6	6	6	6	6	6	5	6	5	5	5	5	9	3.3	8.8	
29-Jun-07	10	1	4	1	2	2	4	4	3	1	6	6	8	7	8	9	3	7	5	7	3	4	9	12	3.0	11.9	
30-Jun-07	11	10	8	10	9	13	13	11	15	18	22	22	27	32	29	28	24	24	23	20	14	13	15	17	17.8	32.2	

HOURLY AVERAGE TABLE

Wind Speed (WSv)



Status Flag Characters

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

24-hr Vector Average Daily Max

PASZA - Evergreen Park - Wind Direction Monthly Summary

Station: Evergreen Park
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Calm Time:	0 hrs	0% calms	Operational Time:	720 hrs									
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%									
Percentile	99	95	75	50	25	5	1	Average					
	353.0	328.8	271.3	234.6	88.7	44.4	13.5		270 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		
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-Jun-07	236	243	210	240	275	269	279	268	267	256	152	149	64	50	62	60	72	92	115	7	54	22	355	327	49	NE	
2-Jun-07	339	334	243	229	19	222	235	304	320	42	48	58	58	82	68	86	62	81	74	72	52	65	68	82	59	ENE	
3-Jun-07	344	239	247	342	45	239	44	59	79	89	104	106	104	84	75	68	81	84	83	89	85	80	74	83	83	E	
4-Jun-07	78	88	89	79	76	80	87	101	110	109	120	117	115	109	93	103	97	90	177	185	203	245	341	309	107	ESE	
5-Jun-07	264	250	270	275	252	275	278	290	232	251	286	277	277	300	289	273	286	311	307	355	67	53	61	73	288	WNW	
6-Jun-07	63	59	53	55	51	61	59	60	40	58	48	58	72	55	51	46	59	40	67	102	147	186	154	215	60	ENE	
7-Jun-07	353	84	219	220	212	223	235	242	251	227	218	237	270	269	264	265	265	264	265	267	258	261	264	264	257	WSW	
8-Jun-07	298	299	282	281	271	274	279	276	282	282	276	272	313	302	310	310	322	313	353	48	210	307	49	294	WNW		
9-Jun-07	108	1	88	269	34	65	103	89	121	112	98	87	68	83	77	83	85	86	96	117	119	89	113	115	93	E	
10-Jun-07	117	116	112	113	117	151	180	205	204	216	196	288	232	130	134	209	82	100	168	94	97	99	244	344	147	SSE	
11-Jun-07	309	273	208	213	251	265	264	275	299	318	275	280	320	313	353	331	328	233	228	225	222	230	229	247	263	W	
12-Jun-07	251	253	252	254	255	257	256	262	280	293	298	312	312	321	308	311	312	306	278	265	264	259	249	250	273	W	
13-Jun-07	258	299	226	222	209	216	239	255	259	263	250	262	247	283	286	257	259	257	257	311	264	227	239	244	256	WSW	
14-Jun-07	207	237	270	228	235	247	217	249	271	280	272	280	326	178	204	239	219	254	249	348	307	228	212	222	251	WSW	
15-Jun-07	304	262	260	266	267	287	279	315	302	1	7	17	50	60	70	78	213	184	51	46	59	144	189	347	NNW		
16-Jun-07	341	329	339	7	349	23	90	110	148	86	36	54	53	62	68	73	156	196	218	286	193	235	292	299	72	ENE	
17-Jun-07	276	228	247	266	272	277	253	246	251	269	239	66	325	293	280	245	291	19	47	55	30	330	297	281	W		
18-Jun-07	350	192	253	261	295	290	285	293	273	254	294	290	270	249	268	235	271	268	268	281	280	258	242	267	W		
19-Jun-07	243	246	262	278	257	267	258	266	266	277	334	341	315	308	268	274	254	250	228	224	52	64	57	269	W		
20-Jun-07	68	33	13	327	6	142	61	159	59	70	85	108	96	93	75	86	122	110	77	60	19	29	16	33	73	ENE	
21-Jun-07	78	100	98	126	141	153	271	272	277	262	250	267	274	266	269	280	278	283	290	292	301	306	250	259	272	W	
22-Jun-07	180	206	222	331	335	187	229	217	217	206	210	172	209	252	186	181	285	319	32	75	183	201	200	239	220	SW	
23-Jun-07	235	195	188	192	219	238	235	253	278	286	288	272	278	271	274	271	277	264	259	265	243	253	246	251	262	W	
24-Jun-07	240	226	35	257	215	220	220	246	263	234	211	192	214	199	170	193	184	69	112	137	135	42	342	29	203	SSW	
25-Jun-07	52	204	230	212	250	222	291	271	260	278	286	286	306	293	281	265	119	100	138	166	247	267	269	287	266	W	
26-Jun-07	266	255	212	211	356	213	257	264	268	272	266	294	305	314	352	357	44	46	81	92	92	87	83	64	306	NW	
27-Jun-07	73	83	86	83	83	75	97	129	146	201	212	303	332	348	15	18	58	85	353	331	322	50	58	343	34	NE	
28-Jun-07	83	112	212	345	351	43	41	57	55	9	353	83	62	92	110	64	64	59	36	327	357	51	263	311	44	NE	
29-Jun-07	344	328	239	227	269	309	268	248	248	61	71	67	63	77	69	50	75	19	51	72	58	40	309	306	24	NNE	
30-Jun-07	279	279	271	261	252	252	253	250	254	255	262	264	262	265	268	263	260	248	255	254	240	241	233	230	257	WSW	
	Hourly Avg	294	251	243	258	266	255	257	260	261	268	266	286	307	297	301	281	268	276	268	306	265	244	259	280		N

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

Station: Evergreen Park
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Calm Time: 0 hrs 0% calms Operational Time: 720 hrs							
Calibration Time: 0 hrs AMD Operational Uptime: 100.0%							
Percentile	99	95	75	50	25	5	1
	68.4	56.4	34.6	21.5	13.4	7.2	5.4

Determined by the Yamartino 15-min interval calculation

Status Flag Characters

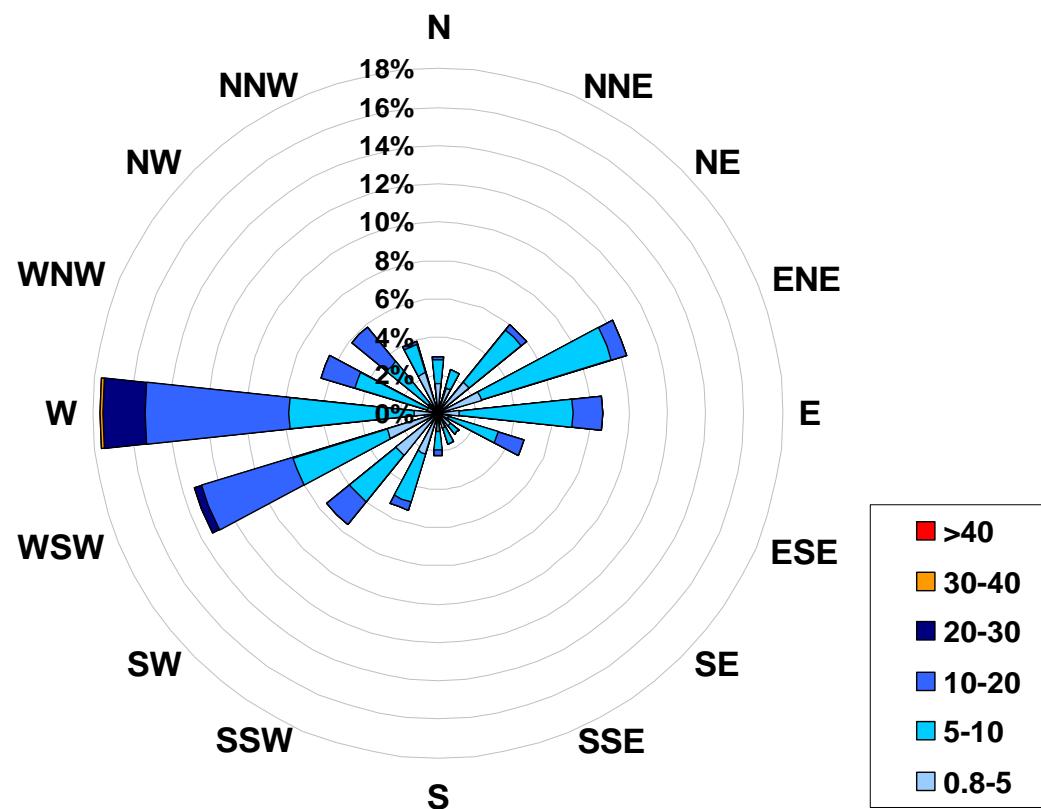
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

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	0:00	Daily Maximum
	Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Jun-07	17	18	39	17	8	12	15	17	25	44	43	47	37	21	28	23	25	24	23	58	18	32	16	21	57.9		
2-Jun-07	17	39	31	13	48	54	35	25	38	47	28	24	20	28	35	35	27	22	26	16	7	6	6	9	54.1		
3-Jun-07	50	41	50	42	31	30	27	25	60	33	18	25	24	27	24	19	20	17	19	17	14	18	14	12	59.8		
4-Jun-07	12	11	10	8	9	12	17	15	20	21	18	19	19	24	18	20	15	17	26	18	19	66	44	25	66.5		
5-Jun-07	44	45	12	21	9	10	11	18	44	32	16	15	14	19	17	14	16	17	19	21	19	12	11	14	44.9		
6-Jun-07	13	12	11	12	12	16	28	18	22	29	29	26	25	28	40	31	33	29	32	29	19	63	41	57	63.4		
7-Jun-07	35	31	25	13	13	15	13	15	15	20	15	26	27	20	12	9	8	10	11	10	8	7	6	7	34.8		
8-Jun-07	15	13	14	15	9	12	12	11	15	26	22	29	33	24	28	24	24	18	17	20	16	22	20	33	32.7		
9-Jun-07	52	23	31	76	45	23	26	25	25	19	29	36	26	28	20	23	24	18	19	14	15	19	15	13	75.5		
10-Jun-07	13	13	13	15	33	49	27	25	16	43	47	49	37	31	41	47	59	48	30	14	13	11	45	33	58.5		
11-Jun-07	15	34	53	20	15	14	9	13	26	29	36	42	54	37	48	59	54	22	8	8	5	5	9	12	58.6		
12-Jun-07	7	6	5	4	4	6	5	7	12	17	17	15	18	16	19	18	17	16	13	8	6	5	6	5	18.8		
13-Jun-07	10	65	9	37	48	45	40	12	19	23	34	45	46	46	72	22	17	13	15	14	12	8	38	59	72.2		
14-Jun-07	46	35	29	29	11	10	22	27	11	19	20	28	55	37	16	12	10	14	14	36	29	17	24	30	54.6		
15-Jun-07	34	16	9	12	15	17	15	26	31	47	35	39	36	30	30	47	10	17	27	12	17	21	10	64	63.7		
16-Jun-07	24	16	25	12	26	14	22	30	51	45	50	38	28	22	24	22	19	14	14	25	26	23	25	15	51.3		
17-Jun-07	21	10	11	14	10	12	9	17	16	33	46	71	60	22	32	54	53	47	13	19	31	29	21	56	70.9		
18-Jun-07	59	55	17	30	22	16	16	46	59	51	28	55	41	24	14	14	11	9	8	9	10	7	6	6	59.4		
19-Jun-07	6	7	18	11	6	11	8	12	12	18	69	55	42	38	48	29	17	13	13	41	15	17	15	10	69.2		
20-Jun-07	15	44	41	33	59	68	53	57	43	26	36	26	29	50	28	28	28	27	21	18	60	69	23	41	69.3		
21-Jun-07	19	30	16	47	42	34	39	59	19	15	13	13	13	10	12	12	14	14	15	13	13	12	20	44	59.0		
22-Jun-07	68	75	31	47	39	44	38	40	21	25	42	68	60	35	35	38	31	32	46	37	16	35	11	13	75.0		
23-Jun-07	26	27	19	11	8	8	7	7	11	13	16	18	15	15	17	14	15	18	13	10	8	7	7	25	27.5		
24-Jun-07	44	24	56	57	56	20	34	20	17	29	42	55	50	34	41	19	27	23	31	14	36	41	68	30	68.4		
25-Jun-07	42	32	14	46	37	62	17	12	13	21	31	40	33	23	21	36	28	44	21	21	15	7	8	11	61.8		
26-Jun-07	13	10	9	47	44	43	9	13	13	15	29	32	35	59	40	40	40	24	22	20	15	7	9	7	59.4		
27-Jun-07	8	11	12	10	11	19	22	22	32	27	25	34	42	41	54	32	45	28	13	26	38	37	51	32	53.9		
28-Jun-07	10	36	40	59	45	43	20	40	62	66	53	34	22	30	34	26	22	19	15	43	30	17	25	14	65.7		
29-Jun-07	13	46	25	63	23	29	19	29	56	65	31	36	24	38	27	23	39	32	40	13	25	21	25	13	65.2		
30-Jun-07	15	13	18	9	8	5	6	8	7	6	8	8	8	8	7	7	9	12	7	8	7	6	6	6	17.9		

Hourly Max 68 75 56 76 59 68 53 59 62 66 69 71 60 59 72 59 59 48 46 58 60 69 68 64

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



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	174
5	to	10	358
10	to	20	168
20	to	30	19
30	to	40	1
	>	40	0
Total Non-Zero Values			720

PASZA – Smoky Heights Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Smoky Heights - Sulphur Dioxide Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary

Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	7.0 ppb 19-Jun 0:00 1:00
Maximum 24-hr Average:	1.1 ppb 12-Jun

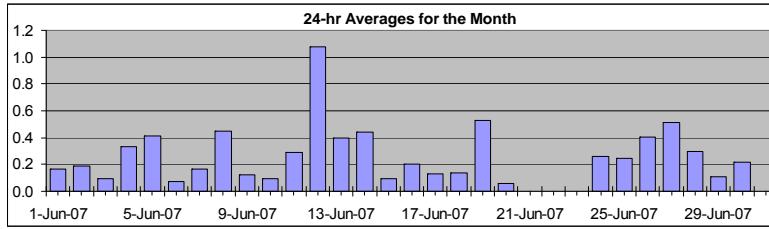
AIC Time:	29 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	93.2%						
Percentile	99 2.0	95 0.8	75 0.3	50 0.1	25 0.1	5 0.0	1 0.0	Average 0.3 ppb	Median 0.1 ppb

Day	Mountain Standard Time																									24-hour Average	Daily Maximum	
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00			
1-Jun-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	0.4
2-Jun-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
3-Jun-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	0.2
4-Jun-07	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.3	0.6
5-Jun-07	0	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	0.4	1.0
6-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
7-Jun-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	0	0.2	1.6
8-Jun-07	1	1	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.5
9-Jun-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	0	0.1	0.3
10-Jun-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	0	0.1	0.2
11-Jun-07	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.3
12-Jun-07	1	0	4	4	2	2	1	1	0	1	2	1	1	1	1	0	0	0	A	0	0	0	0	0	0	0	1.1	4.5
13-Jun-07	1	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	A	0	1	0	0	0	0	0	0	0.4	1.2
14-Jun-07	1	3	1	1	0	0	0	0	0	1	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.4	2.5
15-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.1	0.2
16-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.2	1.1
17-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.4
18-Jun-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0.1	0.8
19-Jun-07	7	1	1	2	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	7.0
20-Jun-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	0.1	0.1
21-Jun-07	0	0	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.3	
24-Jun-07	0	2	1	0	0	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.1
25-Jun-07	0	0	0	0	A	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0.2	0.8
26-Jun-07	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.1
27-Jun-07	0	0	A	1	1	1	1	C	C	C	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	1.4
28-Jun-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	0.3	0.5
29-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
30-Jun-07	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6

Hourly Avg	0.5	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4
Hourly Max	7.0	2.5	4.0	4.5	2.2	1.5	1.2	1.3	0.8	1.1	1.6	1.3	1.1	0.8	0.7	0.6	0.6	0.4	0.7	0.5	1.1	0.6	0.9	2.7	

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)



Status Flag Characters

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

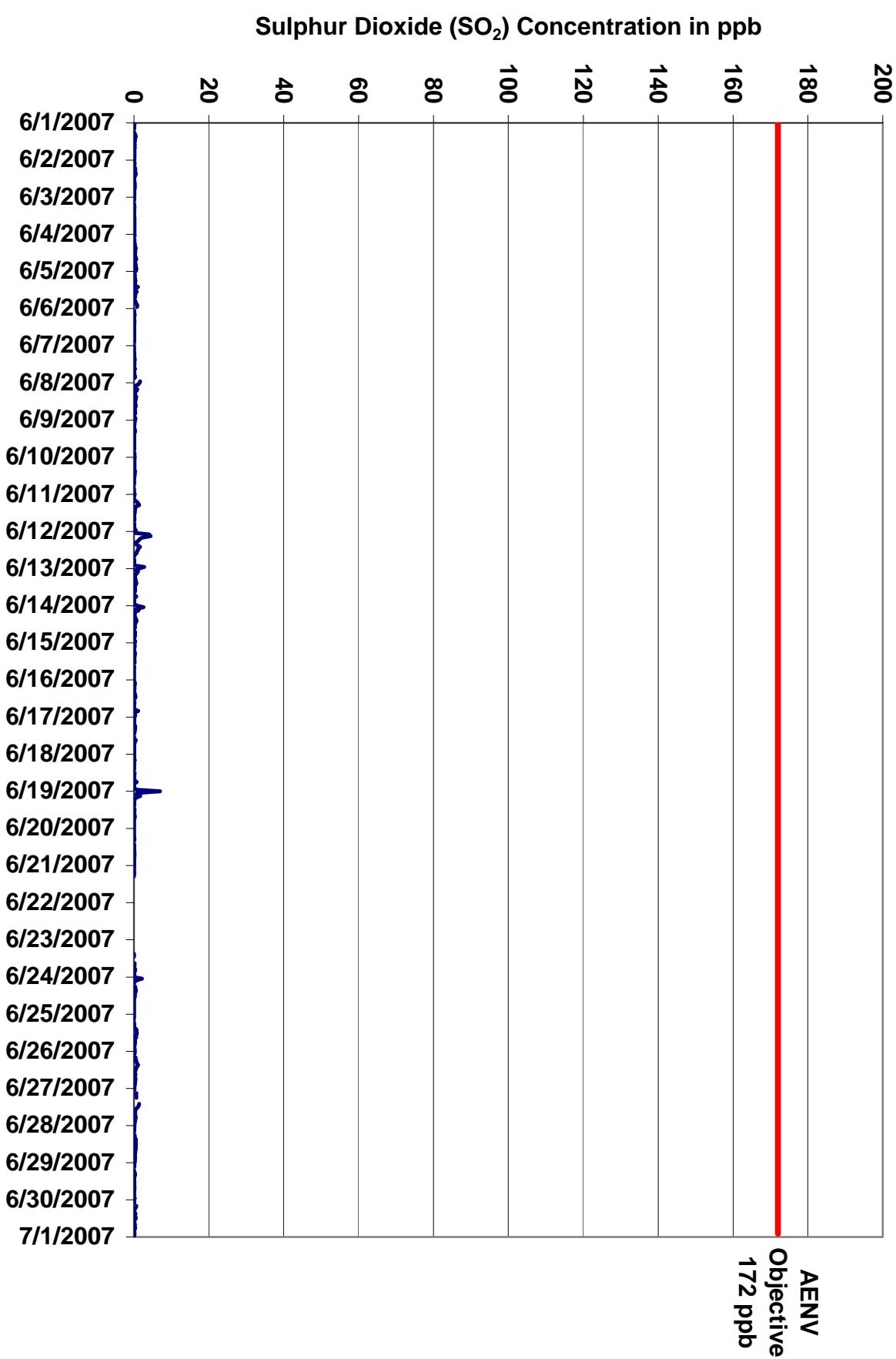


Figure 27. PASZA - Smoky Heights Sulphur Dioxide 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

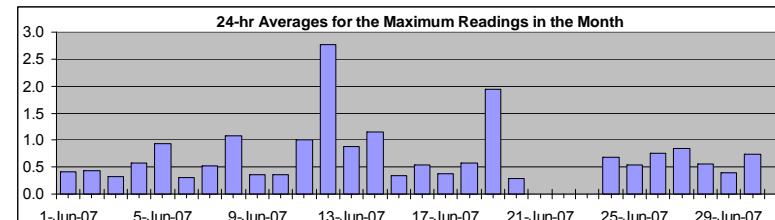
Summary

Maximum 1-hr Value:	20.2 ppb	19-Jun 0:00	1:00
Maximum 24-hr Value:	2.8 ppb	12-Jun	

AIC Time:	29 hrs	Operational Time:	637 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	93.2%
Percentile	99 95 75 50 25 5 1	Average	Median
	5.4 2.3 0.6 0.4 0.3 0.2 0.2	0.7 ppb	0.4 ppb

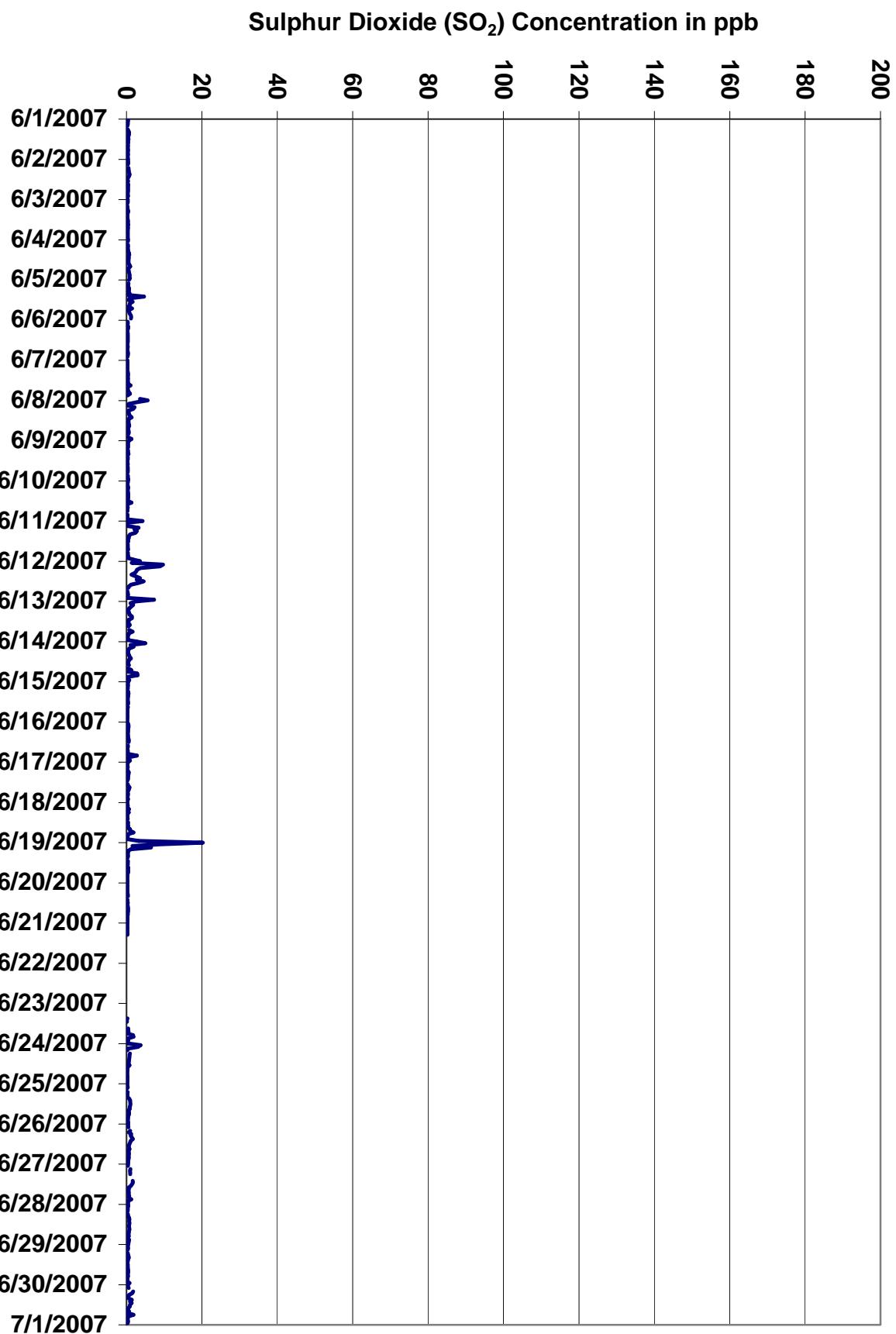
Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Jun-07	0:00 1:00	0	0	0	0	0	A	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0.4	0.7
2-Jun-07	0:00 1:00	0	0	0	0	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8
3-Jun-07	0:00 1:00	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	0.3	0.4
4-Jun-07	0:00 1:00	0	A	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0.6	1.0
5-Jun-07	1:00 2:00	A	1	0	0	1	1	1	1	0	5	1	1	1	2	1	1	0	1	0	1	1	1	1	1	1	0.9	4.6
6-Jun-07	0:00 1:00	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5	
7-Jun-07	0:00 1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	A	0.5	3.6	
8-Jun-07	6:00 7:00	3	1	0	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	5.6
9-Jun-07	1:00 2:00	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.6
10-Jun-07	0:00 1:00	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	0.4	1.3
11-Jun-07	4:00 5:00	0	0	0	3	2	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	A	0	0	0	1.0	4.2	
12-Jun-07	4:00 5:00	1	10	9	4	3	3	2	1	2	4	3	5	3	1	1	0	A	0	0	0	0	0	0	0	2.8	9.7	
13-Jun-07	2:00 3:00	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	0	A	1	2	1	1	0	0	0	0.9	2.4	
14-Jun-07	3:00 4:00	5	1	2	1	0	0	0	1	1	1	1	1	1	1	0	1	A	0	1	0	3	0	0	1	1.2	5.0	
15-Jun-07	0:00 1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0.3	0.5	
16-Jun-07	0:00 1:00	0	0	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.5	2.7	
17-Jun-07	0:00 1:00	0	0	0	0	0	0	1	1	0	0	0	0	0	A	0	0	1	1	0	0	0	0	0	0	0.4	0.8	
18-Jun-07	0:00 1:00	0	0	0	0	1	0	0	0	0	0	A	0	0	0	0	1	1	2	0	0	0	0	0	0	0.6	3.3	
19-Jun-07	20:00 21:00	9	2	7	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	20.2	
20-Jun-07	0:00 1:00	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4	
21-Jun-07	0:00 1:00	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.3	
22-Jun-07	0:00 1:00	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
23-Jun-07	0:00 1:00	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	A	0	0	1	0	2	0	0	1.8	
24-Jun-07	0:00 1:00	0	4	3	0	0	A	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.7	3.7	
25-Jun-07	0:00 1:00	0	0	0	0	A	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.5	1.1	
26-Jun-07	0:00 1:00	0	0	1	A	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.7	
27-Jun-07	0:00 1:00	0	0	A	1	1	1	1	C	C	C	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.7	
28-Jun-07	0:00 1:00	0	0	0	0	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.8	
29-Jun-07	0:00 1:00	0	0	0	0	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.8	
30-Jun-07	0:00 1:00	0	0	1	A	2	2	1	0	0	1	1	1	1	0	0	1	0	2	0	0	0	0	0	0	0.7	1.8	

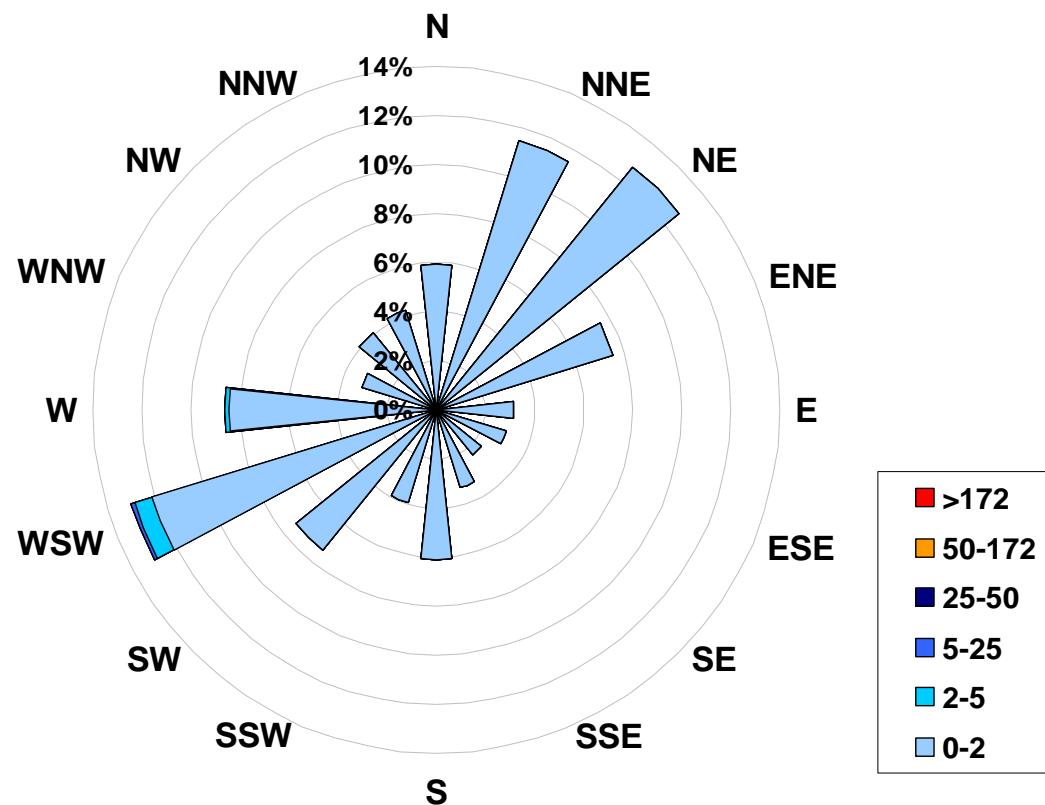


C Calibration	A AIC - Zero / Span Check
S Instrument out of Service	X Filter Exchange
N No Data	M Equipment Maintenance
D Excessive Instrument Drift	P Power Failure

Figure 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 June 2007**



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	<	2	630
2	to	5	6
5	to	25	1
25	to	50	0
50	to	172	0
>	172		0
Total Non-Zero Values			637

PASZA - Smoky Heights - Total Reduced Sulphur Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

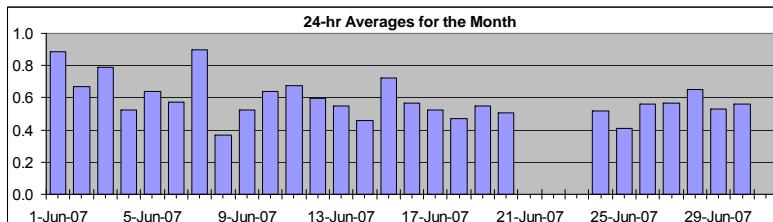
Maximum 1-hr Average:	2.9	ppb	7-Jun	3:00 4:00
Maximum 24-hr Value:	0.9	ppb	7-Jun	

AIC Time:	29 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	93.2%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.6	1.1	0.7	0.5	0.4	0.3	0.3	0.6 ppb	0.5 ppb

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-Jun-07	1	1	1	1	3	A	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0.9	2.5
2-Jun-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0.7	1.1
3-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	2	1	1	0.8	1.7
4-Jun-07	1	1	A	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0.5	0.9
5-Jun-07	0	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	0.6	1.1
6-Jun-07	A	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	1	A	0.6	1.3
7-Jun-07	1	1	2	3	2	1	2	2	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	A	0.9	2.9
8-Jun-07	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	A	0.4	0.6
9-Jun-07	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	A	0.5	1.0
10-Jun-07	0	1	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	1	A	1	1	1	0.6	1.4
11-Jun-07	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.1
12-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	A	1	1	0	0	0	0.6	0.9
13-Jun-07	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0	1	0.5	1.1
14-Jun-07	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0.5	0.8
15-Jun-07	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	A	1	1	0	1	1	1	1	1	1	0.7	1.4
16-Jun-07	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	A	1	0	0	0	0	0	0	0	1	0.6	1.0
17-Jun-07	1	1	1	1	1	1	1	1	1	0	0	0	0	A	0	0	0	0	0	0	0	0	1	1	1	0.5	1.0
18-Jun-07	1	1	1	0	1	0	1	0	0	1	0	A	0	0	0	0	0	0	0	0	0	0	0	0	1	0.5	0.6
19-Jun-07	1	1	1	1	1	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.6	0.9
20-Jun-07	1	1	1	1	0	0	0	0	0	1	A	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0.5	1.2
21-Jun-07	0	1	0	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.7	
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	A	0	0	0	0	0	0	0	0	N	0.6	
24-Jun-07	1	1	1	1	1	A	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0.5	1.1
25-Jun-07	1	0	0	1	A	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.8
26-Jun-07	0	0	0	A	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.6	1.4
27-Jun-07	0	0	A	1	1	1	1	C	C	C	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.6	0.7
28-Jun-07	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.8
29-Jun-07	1	1	1	1	A	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0.5	0.7
30-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	0	0	1	0.6	0.8

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)



Status Flag Characters

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

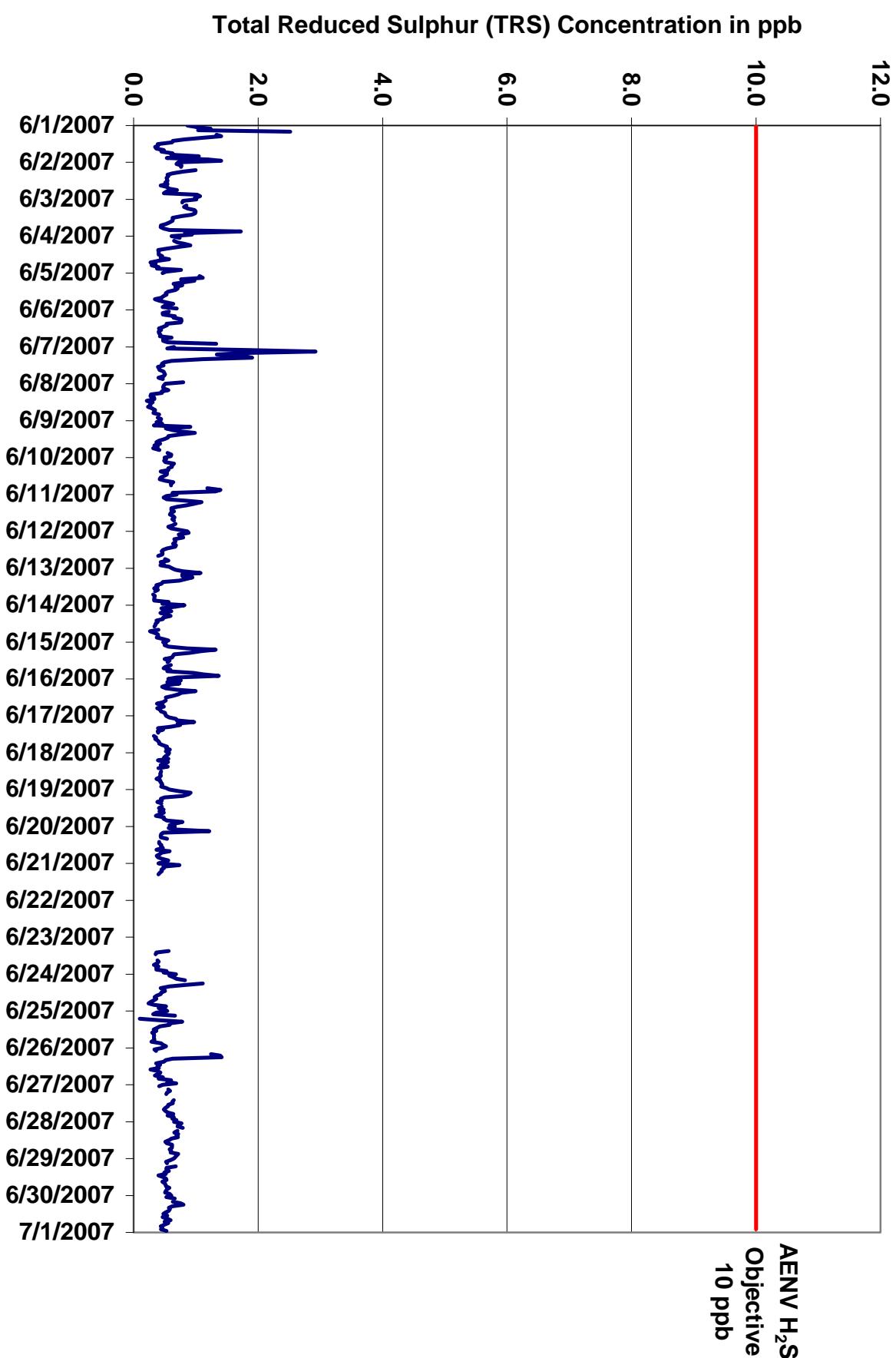


Figure 29. PASZA - Smoky Heights Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

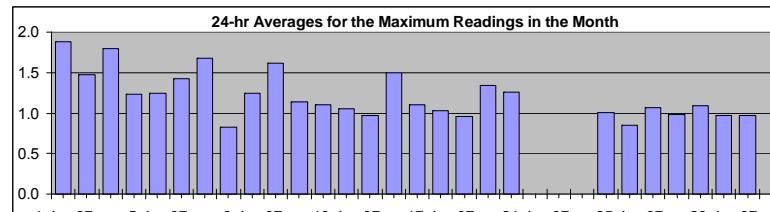
Maximum 1-hr Value:	9.3 ppb	6-Jun 22:00	23:00
Maximum 24-hr Value:	1.9 ppb	1-Jun	

AIC Time:	29 hrs	Operational Time:	637 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	93.2%						
Percentile	99 5.1	95 2.4	75 1.2	50 1.0	25 0.9	5 0.7	1 0.6	Average 1.2 ppb	Median 1.0 ppb

Day Mountain Standard Time

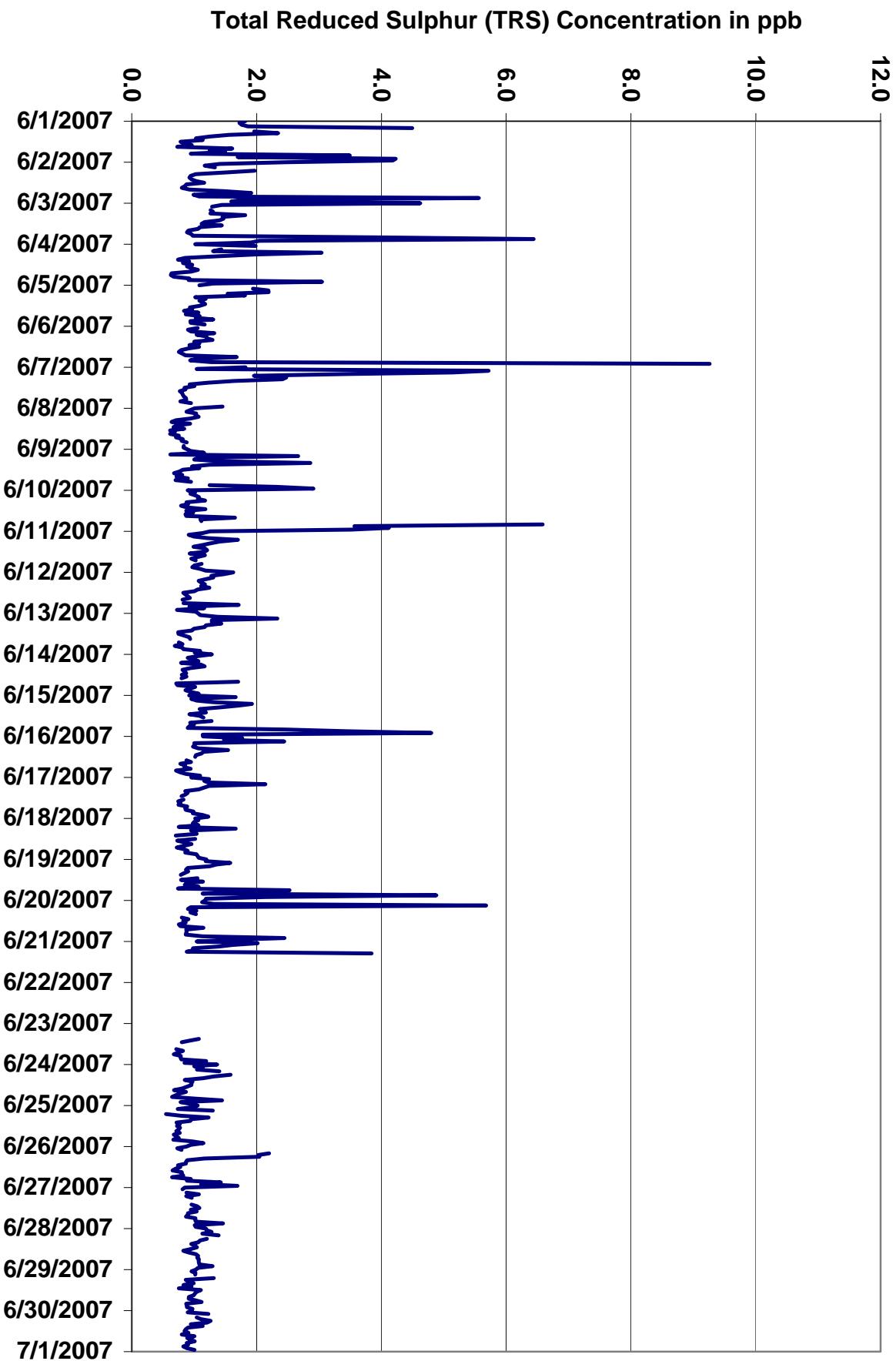
	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum			
1-Jun-07	2 1:00	2	2	2	2	4	A	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	3	2	4	4	1.9	4.5		
2-Jun-07	2 2:00	1	1	1	1	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	6	2	2	1.5	5.6	
3-Jun-07	5 3:00	1	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	6	2	2	1.8	6.4	
4-Jun-07	1 4:00	1	2	A	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1.2	3.0	
5-Jun-07	1 5:00	1	A	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	2.2	
6-Jun-07	A 6:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	9	A	1.4	9.3
7-Jun-07	2 7:00	1	1	6	5	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1.7	5.7	
8-Jun-07	1 8:00	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	0.8	1.1	
9-Jun-07	1 9:00	1	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	2	3
10-Jun-07	1 10:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	A	7	4	4	1.6	6.6	
11-Jun-07	1 11:00	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.1	1.7	
12-Jun-07	2 12:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	2	1	1	1	1	1	1.1	1.7		
13-Jun-07	1 13:00	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1.1	2.3		
14-Jun-07	1 14:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	2	1	1	1	1	1	1	1	1.0	1.7		
15-Jun-07	1 15:00	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	2	3	5	1	1.5	4.8	
16-Jun-07	1 16:00	1	2	1	2	1	1	1	1	2	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1.1	2.4	
17-Jun-07	1 17:00	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	1	1.0	2.1	
18-Jun-07	1 18:00	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1.0	1.7	
19-Jun-07	1 19:00	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	A	1	1	1	1	1	3	2	1	5	2	1	
20-Jun-07	1 20:00	1	1	1	6	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.3	5.7	
21-Jun-07	1 21:00	1	2	2	1	1	1	1	4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	3.8			
22-Jun-07	P 22:00	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0		
23-Jun-07	P 23:00	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	A	1	1	1	1	1	1	1	N	1.2	
24-Jun-07	1 00:00	1	1	1	1	1	A	2	1	1	1	1	1	1	1	1	1	1	C	C	A	1	1	1	1	1	1	1	1.0	1.6
25-Jun-07	1 01:00	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	0.9	1.3	
26-Jun-07	1 02:00	1	1	1	1	A	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.2	
27-Jun-07	1 03:00	1	1	A	1	1	1	1	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.5	
28-Jun-07	1 04:00	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.4	
29-Jun-07	1 05:00	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	1.0	1.3	
30-Jun-07	1 06:00	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.3	

Hourly Avg	1.3	1.2	1.4	1.6	1.6	1.3	1.3	1.3	1.2	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	1.0	1.0	1.0	1.4	1.8	2.0	1.4
Hourly Max	4.6	2.0	5.7	5.7	4.5	3.0	2.5	3.8	2.9	1.5	1.4	1.2	1.2	1.4	1.2	1.3	1.7	1.5	2.5	1.7	6.6	6.4	9.3	4.2				

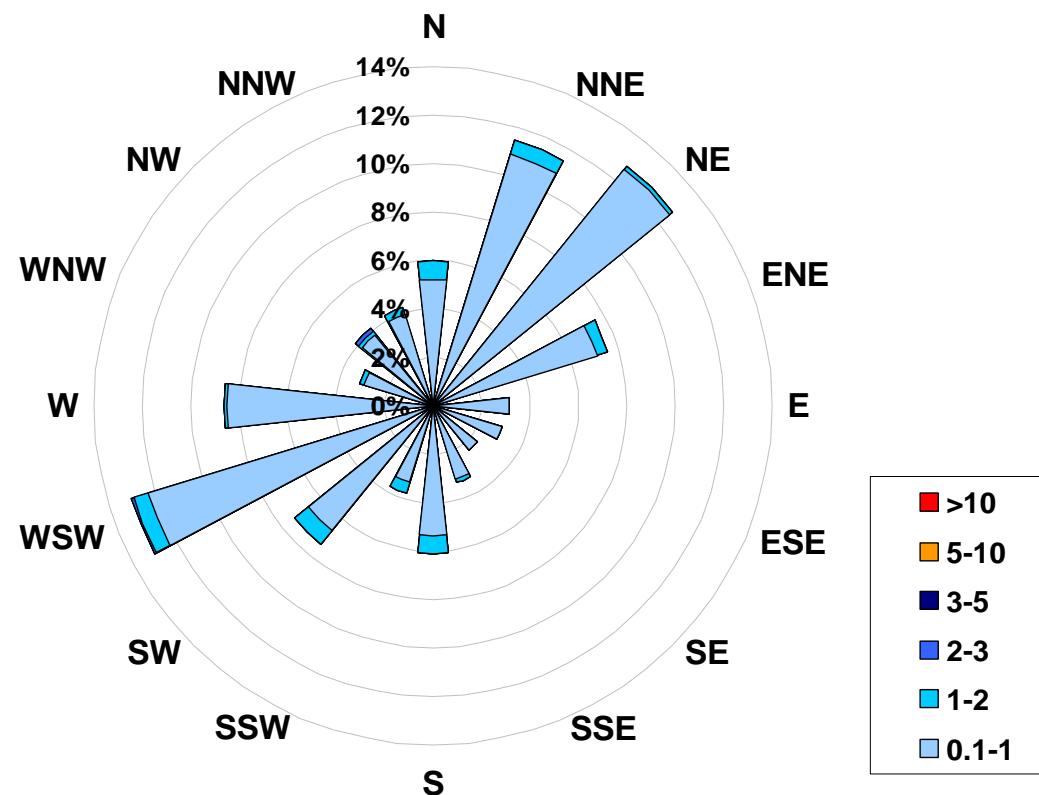


C Calibration	A AIC - Zero / Span Check
S Instrument out of Service	X Filter Exchange
N No Data	M Equipment Maintenance
D Excessive Instrument Drift	P Power Failure

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 June 2007



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	599
1	to	2	36
2	to	3	2
3	to	5	0
5	to	10	0
>	10		0
Total Non-Zero Values			637

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

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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

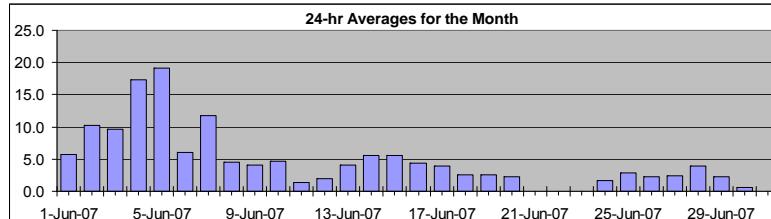
Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	78.8 $\mu\text{g}/\text{m}^3$ 4-Jun 2:00 3:00
Maximum 24-hr Value:	19.2 $\mu\text{g}/\text{m}^3$ 5-Jun

AIC Time:	0 hrs	Operational Time:	653 hrs							
Calibration Time:	9 hrs	AMD Operational Uptime:	91.9%							
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean	
	28.0	14.2	6.6	3.5	1.6	0.0	0.0	5.2	3 $\mu\text{g}/\text{m}^3$	4.0 $\mu\text{g}/\text{m}^3$

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-Jun-07	3	6	3	3	6	8	16	6	6	6	0	3	5	3	5	5	5	7	7	6	14	3	6	6	5.8	15.6
2-Jun-07	6	7	8	9	11	12	14	11	15	10	10	8	4	6	7	6	6	6	6	9	7	13	36	15	10.2	36.4
3-Jun-07	12	8	8	21	9	11	12	10	11	11	7	5	8	6	6	8	10	9	10	11	10	10	10	11	9.6	20.9
4-Jun-07	12	12	79	13	11	11	12	14	16	9	11	12	9	14	8	9	11	10	12	10	14	16	15	74	17.2	78.8
5-Jun-07	24	18	14	18	14	14	13	17	P	12	11	8	12	10	14	13	19	11	9	25	27	29	48	61	19.2	60.7
6-Jun-07	31	17	0	2	14	2	0	3	0	1	0	3	2	4	6	5	5	6	6	7	7	7	7	8	6.0	31.2
7-Jun-07	6	7	6	4	5	10	9	13	14	11	7	16	16	8	15	26	18	18	19	16	13	12	8	5	11.8	26.4
8-Jun-07	6	5	5	3	3	3	0	0	3	4	3	0	5	6	12	7	2	5	6	6	6	2	8	6	4.5	11.8
9-Jun-07	5	2	3	2	7	5	3	6	5	3	2	3	2	4	1	3	2	2	6	5	4	4	4	15	4.1	14.8
10-Jun-07	9	7	6	6	5	5	6	7	8	5	7	6	D	6	5	3	4	0	2	3	1	2	3	2	4.7	9.0
11-Jun-07	0	0	2	0	3	1	2	2	1	1	0	3	0	4	2	1	0	3	2	4	0	3	0	1	1.4	4.3
12-Jun-07	3	0	0	1	1	1	1	4	1	1	3	3	0	0	0	0	7	3	4	4	9	0	0	D	2.0	8.6
13-Jun-07	0	0	1	2	1	3	4	6	6	1	0	0	0	0	0	7	2	3	5	3	5	14	14	4	4.0	14.2
14-Jun-07	4	4	2	6	4	5	5	8	4	6	4	6	1	5	3	4	7	11	13	P	12	7	3	8	5.6	12.9
15-Jun-07	2	3	1	2	3	4	9	5	6	7	9	8	11	0	5	7	12	12	10	5	6	2	2	3	5.6	12.0
16-Jun-07	2	7	2	4	3	5	4	0	5	7	7	2	3	3	5	4	1	4	8	11	5	3	5	3	4.3	10.8
17-Jun-07	1	4	2	5	5	11	5	6	7	0	0	0	1	3	5	2	0	9	2	3	12	1	9	4	4.0	11.6
18-Jun-07	2	2	4	6	1	2	3	3	3	0	1	0	0	1	7	D	4	D	0	14	0	2	0	D	2.6	13.5
19-Jun-07	1	2	1	1	4	1	1	2	4	3	3	2	4	2	1	5	2	3	7	5	3	2	0	2	2.5	6.6
20-Jun-07	3	0	1	1	1	4	7	3	3	4	4	2	0	2	3	2	1	3	1	0	2	8	0	0	2.2	8.1
21-Jun-07	3	2	0	0	0	3	2	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	2.7	
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	C	C	C	C	0	0	0	0	1	5	2	2	3	N	5.2
24-Jun-07	1	1	1	1	3	3	2	3	2	3	2	1	0	1	1	3	5	2	2	1	1	1	0	1.7	5.2	
25-Jun-07	1	2	0	1	2	2	3	4	3	5	3	3	4	3	2	3	4	3	5	3	2	5	3	3	2.8	5.1
26-Jun-07	1	2	1	1	3	3	3	3	3	2	2	1	1	2	2	2	2	2	4	5	3	2	2	3	2.3	4.5
27-Jun-07	2	2	2	3	3	4	5	C	C	C	C	C	0	0	0	0	1	1	4	4	6	7	2	3	2.5	7.2
28-Jun-07	1	1	0	2	1	2	4	4	5	4	5	5	5	6	5	5	4	5	5	5	5	5	3	3.9	6.2	
29-Jun-07	4	0	0	0	0	2	0	3	2	1	1	2	2	3	3	5	6	6	7	0	2	1	0	2	2.2	7.0
30-Jun-07	3	0	0	0	0	1	1	0	1	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0.6	3.0	

HOURLY AVERAGE TABLE

Particulate Matter (PM_{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

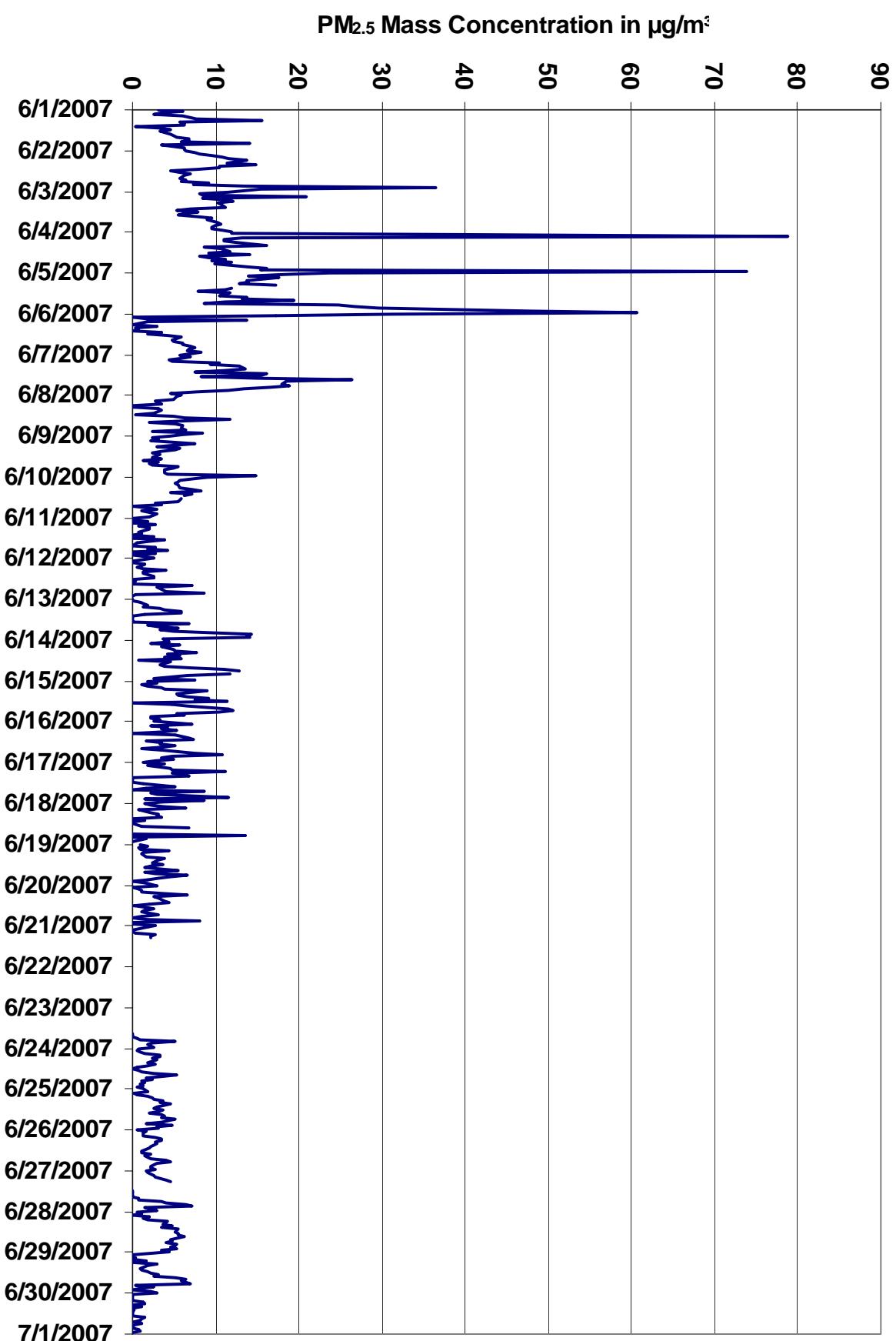


Figure 31. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Smoky Heights
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	211.0	µg/m ³	4-Jun	23:00 0:00
Maximum 24-hr Value:	34.9	µg/m ³	4-Jun	

AIC Time:	0 hrs	Operational Time:	653 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	91.9%
Percentile	99 95 75 50 25 5 1	Average / Median	Geomean
	56.0 28.7 15.4 9.4 5.3 2.3 1.2	12.3 9 µg/m ³	10.6 µg/m ³

Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Jun-07	14 1:00	10 2:00	10 3:00	11 4:00	14 5:00	14 6:00	37 7:00	11 8:00	13 9:00	14 10:00	10 11:00	18 12:00	13 13:00	11 14:00	14 15:00	14 16:00	13 17:00	17 18:00	15 19:00	11 20:00	45 21:00	22 22:00	18 23:00	13	15.9	45.4		
2-Jun-07	13 1:00	10 2:00	11 3:00	12 4:00	14 5:00	19 6:00	23 7:00	19 8:00	22 9:00	20 10:00	19 11:00	20 12:00	10 13:00	14 14:00	16 15:00	12 16:00	11 17:00	14 18:00	13 19:00	16 20:00	16 21:00	20 22:00	69 23:00	55	19.5	68.9		
3-Jun-07	17 1:00	12 2:00	16 3:00	65 4:00	13 5:00	14 6:00	16 7:00	13 8:00	15 9:00	17 10:00	17 11:00	28 12:00	29 13:00	15 14:00	16 15:00	20 16:00	20 17:00	19 18:00	14 19:00	14 20:00	12 21:00	13 22:00	13 23:00	13	18.3	65.1		
4-Jun-07	14 1:00	14 2:00	202 3:00	17 4:00	13 5:00	14 6:00	16 7:00	19 8:00	24 9:00	17 10:00	18 11:00	26 12:00	22 13:00	34 14:00	19 15:00	18 16:00	21 17:00	21 18:00	18 19:00	13 20:00	20 21:00	26 22:00	20 23:00	211	34.9	211.0		
5-Jun-07	43 1:00	36 2:00	19 3:00	23 4:00	23 5:00	20 6:00	18 7:00	25 8:00	P 9:00	16 10:00	24 11:00	20 12:00	19 13:00	20 14:00	21 15:00	25 16:00	30 17:00	29 18:00	20 19:00	33 20:00	35 21:00	37 22:00	63 23:00	66	29.0	66.0		
6-Jun-07	57 1:00	35 2:00	11 3:00	6 4:00	22 5:00	12 6:00	9 7:00	9 8:00	9 9:00	7 10:00	12 11:00	8 12:00	11 13:00	14 14:00	15 15:00	16 16:00	17 17:00	11 18:00	19 19:00	14 20:00	16 21:00	10 22:00	17 23:00	17.9	57.2	15.1		
7-Jun-07	11 1:00	9 2:00	13 3:00	7 4:00	9 5:00	14 6:00	14 7:00	18 8:00	19 9:00	22 10:00	17 11:00	24 12:00	21 13:00	14 14:00	27 15:00	34 16:00	27 17:00	23 18:00	31 19:00	21 20:00	19 21:00	19 22:00	11 23:00	8	17.9	33.9		
8-Jun-07	9 1:00	10 2:00	9 3:00	7 4:00	5 5:00	8 6:00	8 7:00	6 8:00	11 9:00	16 10:00	17 11:00	7 12:00	14 13:00	15 14:00	23 15:00	19 16:00	9 17:00	10 18:00	13 19:00	14 20:00	15 21:00	9 22:00	17 23:00	11.9	23.1	11.9		
9-Jun-07	7 1:00	5 2:00	6 3:00	5 4:00	14 5:00	11 6:00	11 7:00	10 8:00	10 9:00	10 10:00	10 11:00	10 12:00	13 13:00	15 14:00	12 15:00	7 16:00	7 17:00	8 18:00	8 19:00	6 20:00	6 21:00	6 22:00	11 23:00	22.3	9.7	22.3		
10-Jun-07	17 1:00	12 2:00	8 3:00	7 4:00	7 5:00	8 6:00	8 7:00	10 8:00	13 9:00	11 10:00	16 11:00	14 12:00	D 13:00	31 14:00	19 15:00	26 16:00	25 17:00	12 18:00	19 19:00	8 20:00	11 21:00	6 22:00	4 23:00	8 24:00	8 25:00	13.1	31.3	13.1
11-Jun-07	14 1:00	5 2:00	7 3:00	3 4:00	4 5:00	2 6:00	8 7:00	7 8:00	10 9:00	13 10:00	8 11:00	9 12:00	10 13:00	13 14:00	14 15:00	14 16:00	8 17:00	18 18:00	16 19:00	21 20:00	4 21:00	8 22:00	4 23:00	7 24:00	7 25:00	9.5	21.2	8.4
12-Jun-07	4 1:00	3 2:00	3 3:00	3 4:00	7 5:00	5 6:00	9 7:00	4 8:00	6 9:00	7 10:00	7 11:00	10 12:00	5 13:00	7 14:00	6 15:00	31 16:00	12 17:00	12 18:00	14 19:00	18 20:00	24 21:00	5 22:00	D 23:00	31.0	31.0	45.8		
13-Jun-07	3 1:00	1 2:00	2 3:00	4 4:00	2 5:00	7 6:00	9 7:00	9 8:00	12 9:00	10 10:00	9 11:00	10 12:00	10 13:00	15 14:00	21 15:00	13 16:00	25 17:00	11 18:00	14 19:00	46 20:00	31 21:00	30 22:00	9 23:00	9 24:00	13.0	45.8	13.6	
14-Jun-07	10 1:00	8 2:00	7 3:00	12 4:00	5 5:00	7 6:00	11 7:00	11 8:00	13 9:00	11 10:00	13 11:00	16 12:00	14 13:00	14 14:00	17 15:00	13 16:00	20 17:00	40 18:00	22 19:00	P 20:00	22 21:00	9 22:00	11 23:00	13 24:00	13.6	39.8	13.7	
15-Jun-07	8 1:00	9 2:00	4 3:00	4 4:00	8 5:00	7 6:00	22 7:00	13 8:00	13 9:00	19 10:00	13 11:00	19 12:00	9 13:00	9 14:00	23 15:00	22 16:00	41 17:00	26 18:00	20 19:00	7 20:00	15 21:00	4 22:00	5 23:00	6 24:00	6 25:00	41.4	41.4	13.1
16-Jun-07	7 1:00	9 2:00	6 3:00	7 4:00	8 5:00	8 6:00	12 7:00	13 8:00	13 9:00	17 10:00	13 11:00	15 12:00	22 13:00	22 14:00	16 15:00	10 16:00	12 17:00	34 18:00	31 19:00	12 20:00	6 21:00	8 22:00	5 23:00	5 24:00	33.9	40.5	16.0	
17-Jun-07	6 1:00	7 2:00	5 3:00	7 4:00	9 5:00	19 6:00	20 7:00	12 8:00	26 9:00	16 10:00	10 11:00	8 12:00	14 13:00	25 14:00	12 15:00	19 16:00	22 17:00	9 18:00	22 19:00	9 20:00	17 21:00	40 22:00	29 23:00	10 24:00	10 25:00	40.5	40.5	12.1
18-Jun-07	6 1:00	6 2:00	13 3:00	10 4:00	7 5:00	7 6:00	12 7:00	12 8:00	14 9:00	10 10:00	12 11:00	26 12:00	15 13:00	15 14:00	26 15:00	D 16:00	13 17:00	13 18:00	D 19:00	3 20:00	46 21:00	4 22:00	2 23:00	D 24:00	45.7	45.7	12.1	
19-Jun-07	5 1:00	5 2:00	3 3:00	2 4:00	8 5:00	6 6:00	5 7:00	7 8:00	12 9:00	10 10:00	11 11:00	8 12:00	9 13:00	9 14:00	18 15:00	10 16:00	9 17:00	10 18:00	9 19:00	22 20:00	11 21:00	5 22:00	4 23:00	3 24:00	5 25:00	8.0	22.0	8.0
20-Jun-07	6 1:00	3 2:00	2 3:00	3 4:00	7 5:00	11 6:00	7 7:00	8 8:00	13 9:00	13 10:00	10 11:00	12 12:00	12 13:00	14 14:00	14 15:00	15 16:00	13 17:00	7 18:00	46 19:00	4 20:00	6 21:00	2 22:00	2 23:00	19.0	19.0	8.9		
21-Jun-07	6 1:00	5 2:00	2 3:00	5 4:00	7 5:00	7 6:00	P 7:00	P 8:00	P 9:00	P 10:00	P 11:00	P 12:00	P 13:00	P 14:00	P 15:00	P 16:00	P 17:00	P 18:00	P 19:00	P 20:00	P 21:00	P 22:00	P 23:00	P 24:00	N	7.5	N	
22-Jun-07	P 1:00	P 2:00	P 3:00	P 4:00	P 5:00	P 6:00	P 7:00	P 8:00	P 9:00	P 10:00	P 11:00	P 12:00	P 13:00	P 14:00	P 15:00	P 16:00	P 17:00	P 18:00	P 19:00	P 20:00	P 21:00	P 22:00	P 23:00	P 24:00	N	0.0	N	
23-Jun-07	P 1:00	P 2:00	P 3:00	P 4:00	P 5:00	P 6:00	P 7:00	P 8:00	P 9:00	P 10:00	C 11:00	C 12:00	C 13:00	C 14:00	C 15:00	C 16:00	C 17:00	C 18:00	C 19:00	C 20:00	C 21:00	C 22:00	C 23:00	C 24:00	N	12.9	N	
24-Jun-07	2 1:00	3 2:00	2 3:00	4 4:00	6 5:00	5 6:00	5 7:00	4 8:00	5 9:00	4 10:00	5 11:00	4 12:00	5 13:00	5 14:00	5 15:00	6 16:00	6 17:00	9 18:00	5 19:00	7 20:00	3 21:00	2 22:00	3 23:00	4 24:00	4.2	8.6	4.2	
25-Jun-07	3 1:00	3 2:00	2 3:00	3 4:00	4 5:00	5 6:00	5 7:00	5 8:00	5 9:00	6 10:00	5 11:00	5 12:00	5 13:00	5 14:00	6 15:00	6 16:00	7 17:00	5 18:00	9 19:00	8 20:00	5 21:00	6 22:00	7 23:00	7 24:00	5.4	9.8	5.4	
26-Jun-07	3 1:00	4 2:00	3 3:00	4 4:00	5 5:00	5 6:00	4 7:00	7 8:00	4 9:00	4 10:00	4 11:00	5 12:00	4 13:00	5 14:00	8 15:00	4 16:00	4 17:00	6 18:00	7 19:00	7 20:00	7 21:00	5 22:00	4 23:00	5 24:00	4.9	8.3	4.9	
27-Jun-07	4 1:00	4 2:00	4 3:00	4 4:00	5 5:00	6 6:00	8 7:00	C 8:00	C 9:00	C 10:00	C 11:00	C 12:00	C 13:00	C 14:00	1 15:00	1 16:00	1 17:00	5 18:00	7 19:00	6 20:00	7 21:00	7 22:00	5 23:00	6 24:00	5.6	17.3	5.6	
28-Jun-07	3 1:00	4 2:00	1 3:00	4 4:00	3 5:00	6 6:00	6 7:00	6 8:00	10 9:00	7 10:00	7 11:00	8 12:00	8 13:00	8 14:00	9 15:00	9 16:00	7 17:00	6 18:00	8 19:00	8 20:00	8 21:00	8 22:00	8 23:00	6.5	9.7	6.5		
29-Jun-07	7 1:00	2 2:00	3 3:00	2 4:00	3 5:00	6 6:00	6 7:00	5 8:00	6 9:00	6 10:00	5 11:00	5 12:00	5 13:00	6 14:00	6 15:00	9 16:00	9 17:00	9 18:00	10 19:00	2 20:00	5 21:00	4 22:00	3 23:00	5 24:00	5.5	18.7	5.5	
30-Jun-07	5 1:00	3 2:00	4 3:00	1 4:00	1 5:00	3 6:00	4 7:00	1 8:00	C 9:00	C 10:00	C 11:00	C 12:00	C 13:00	C 14:00	1 15:00	3 16:00	2 17:00	3 18:00	3 19:00	3 2								

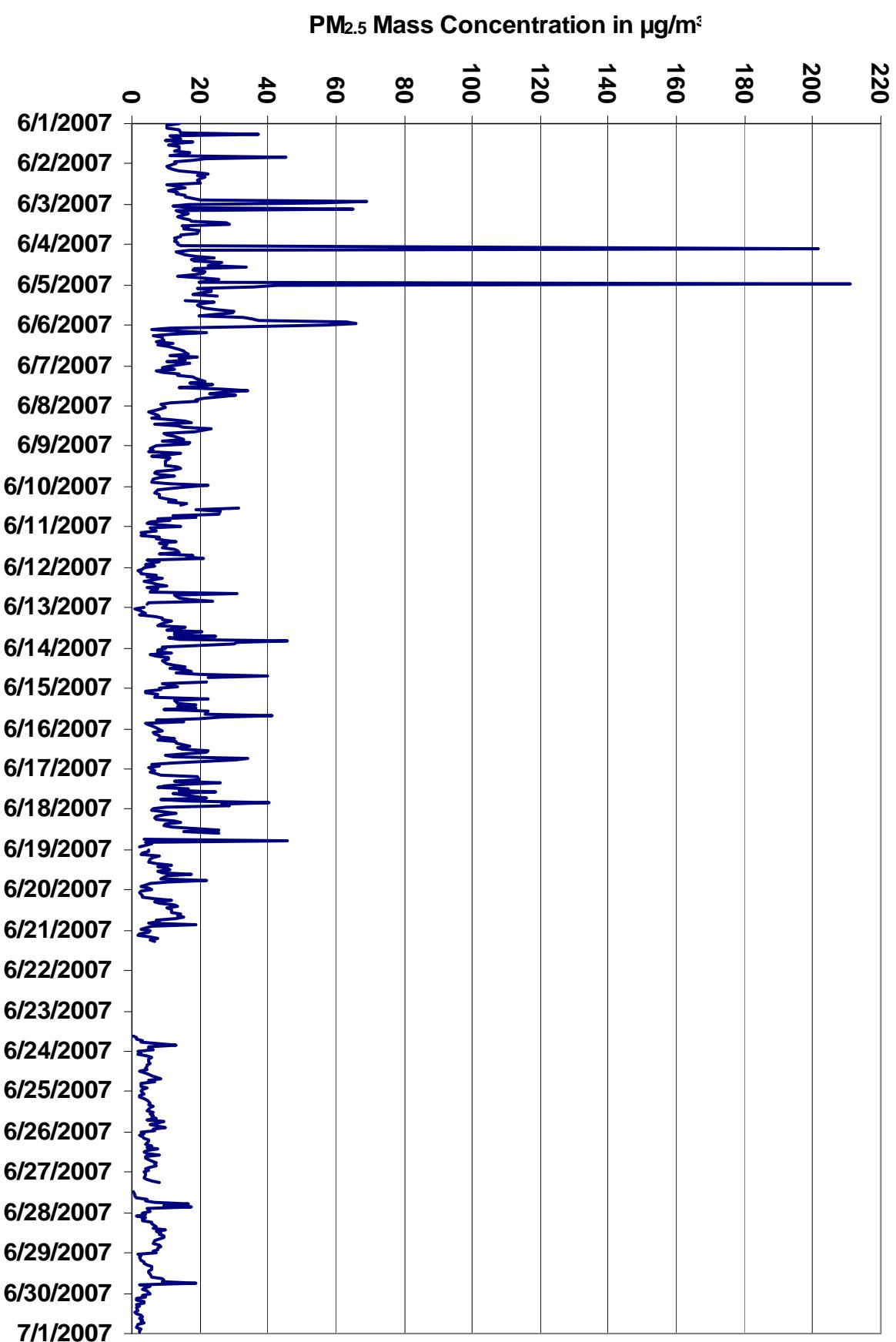
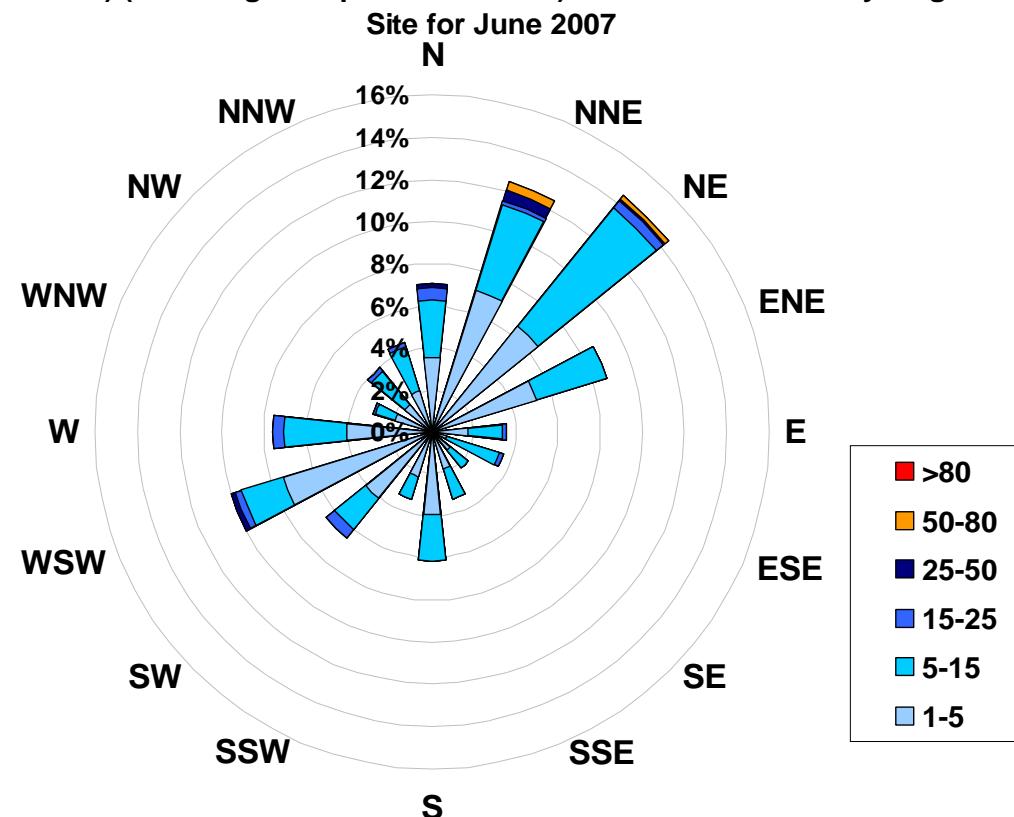


Figure 32. PASZA - Smoky Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



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

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	<	5	409
5	to	15	216
15	to	25	19
25	to	50	6
50	to	80	3
> 80		0	
Total Non-Zero Values		653	

PASZA - Smoky Heights - Temperature Monthly Summary

Station: Smoky Heights
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	28.0	°C	4-Jun	16:00 17:00
Maximum 24-hr Value:	22.0	°C	4-Jun	

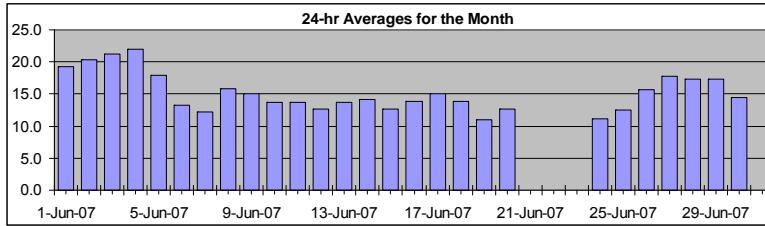
AIC Time:	0 hrs	Operational Time:	672 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	93.3%						
Percentile	99	95	75	50	25	5	1	Average	Median
	27.1	23.9	18.3	15.0	11.6	7.0	4.5	15.1 °C	15.0 °C

Day Mountain Standard Time

	Hour Start 1:00	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	25:00	26:00	27:00	28:00	29:00	30:00	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	24:00	25:00	26:00	27:00	28:00	29:00	30:00					
1-Jun-07	16	13	12	10	10	10	13	13	16	20	23	24	25	26	26	27	26	26	25	23	21	21	19	17	17	19.2	27.3							
2-Jun-07	18	16	15	15	16	16	17	18	19	22	21	22	22	24	25	26	26	26	26	24	22	19	17	16	20.4	26.2								
3-Jun-07	16	16	16	15	14	15	17	18	19	21	23	25	26	26	27	27	27	27	26	25	23	21	20	19	21.3	27.2								
4-Jun-07	19	18	16	14	14	15	17	18	21	23	25	26	27	28	28	28	28	28	26	25	24	22	21	20	22.0	28.0								
5-Jun-07	19	17	17	17	16	16	17	17	16	18	19	20	21	21	22	22	20	18	17	16	17	16	15	17.9	21.9									
6-Jun-07	14	14	13	11	10	9	9	9	12	13	14	15	16	16	17	17	17	17	17	16	14	10	8	6	13.2	17.3								
7-Jun-07	4	3	3	2	2	4	6	9	13	15	17	17	18	18	19	18	17	16	16	16	16	14	14	14	12.2	18.7								
8-Jun-07	13	13	12	12	12	12	14	16	16	16	17	17	19	19	19	20	21	20	19	18	17	15	11	14	15.9	20.5								
9-Jun-07	13	12	11	11	10	10	10	12	13	15	16	17	18	19	19	20	19	19	19	17	17	16	15	14	15.0	19.6								
10-Jun-07	12	12	11	11	11	11	12	12	12	14	15	16	17	16	13	17	17	17	16	16	15	13	11	11	13.7	17.3								
11-Jun-07	10	11	10	9	9	9	10	12	13	13	14	15	16	17	17	17	18	18	18	17	15	13	13	12	13.7	18.4								
12-Jun-07	13	12	12	12	11	11	11	10	10	10	10	11	12	13	15	17	17	17	17	15	14	12	11	11	12.6	16.9								
13-Jun-07	10	9	7	6	5	5	8	10	13	15	17	18	18	19	19	20	19	19	19	18	16	14	12	12	13.7	20.1								
14-Jun-07	12	12	12	11	10	9	10	11	13	15	17	17	17	18	20	21	20	20	17	14	13	12	10	10	14.2	20.8								
15-Jun-07	11	9	8	7	7	6	9	12	14	14	14	15	17	20	21	22	21	13	11	12	11	10	9	9	12.7	22.1								
16-Jun-07	9	9	9	9	9	10	10	12	12	14	16	18	18	19	19	19	19	18	18	16	15	13	12	11	13.8	19.5								
17-Jun-07	10	9	7	7	7	8	11	14	16	18	19	19	20	20	20	21	18	18	19	18	16	14	14	13	15.0	20.7								
18-Jun-07	12	11	12	11	12	12	11	12	13	14	15	18	19	19	17	19	15	16	16	14	13	12	10	8	13.8	19.3								
19-Jun-07	8	7	7	7	7	9	10	11	11	12	12	14	14	15	15	16	16	15	12	11	10	10	9	8	11.0	15.8								
20-Jun-07	9	8	7	7	7	7	9	10	11	13	13	13	15	16	17	18	18	18	18	17	15	14	12	12	12.6	18.4								
21-Jun-07	11	11	11	10	10	11	12	12	12	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	11.7								
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0								
23-Jun-07	P	P	P	P	P	P	P	P	11	11	12	13	15	16	17	18	18	18	17	17	15	12	10	8	N	17.7								
24-Jun-07	7	7	5	5	4	5	8	10	13	14	16	17	18	18	18	17	18	12	12	12	13	12	10	9	11.1	18.5								
25-Jun-07	6	7	6	5	5	5	6	8	9	12	15	17	17	18	17	18	18	17	17	17	16	16	14	14	12.5	18.3								
26-Jun-07	14	10	8	7	6	8	11	13	14	16	18	19	20	21	21	22	22	22	21	19	17	14	14	14	15.7	22.0								
27-Jun-07	13	14	14	13	12	13	14	15	17	19	20	21	22	23	23	24	23	25	23	21	19	15	14	13	17.8	24.5								
28-Jun-07	13	13	12	12	12	12	14	16	17	18	19	19	20	21	22	22	22	21	20	19	19	18	17	17	17.3	22.0								
29-Jun-07	15	14	12	12	11	13	14	14	18	20	21	21	23	24	25	24	23	22	21	17	15	15	14	14	17.3	24.7								
30-Jun-07	15	14	13	12	12	12	12	11	11	12	12	14	15	16	16	17	18	18	17	17	16	16	14	14	14.4	18.0								

HOURLY AVERAGE TABLE

Ambient Temperature (T)



Status Flag Characters

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

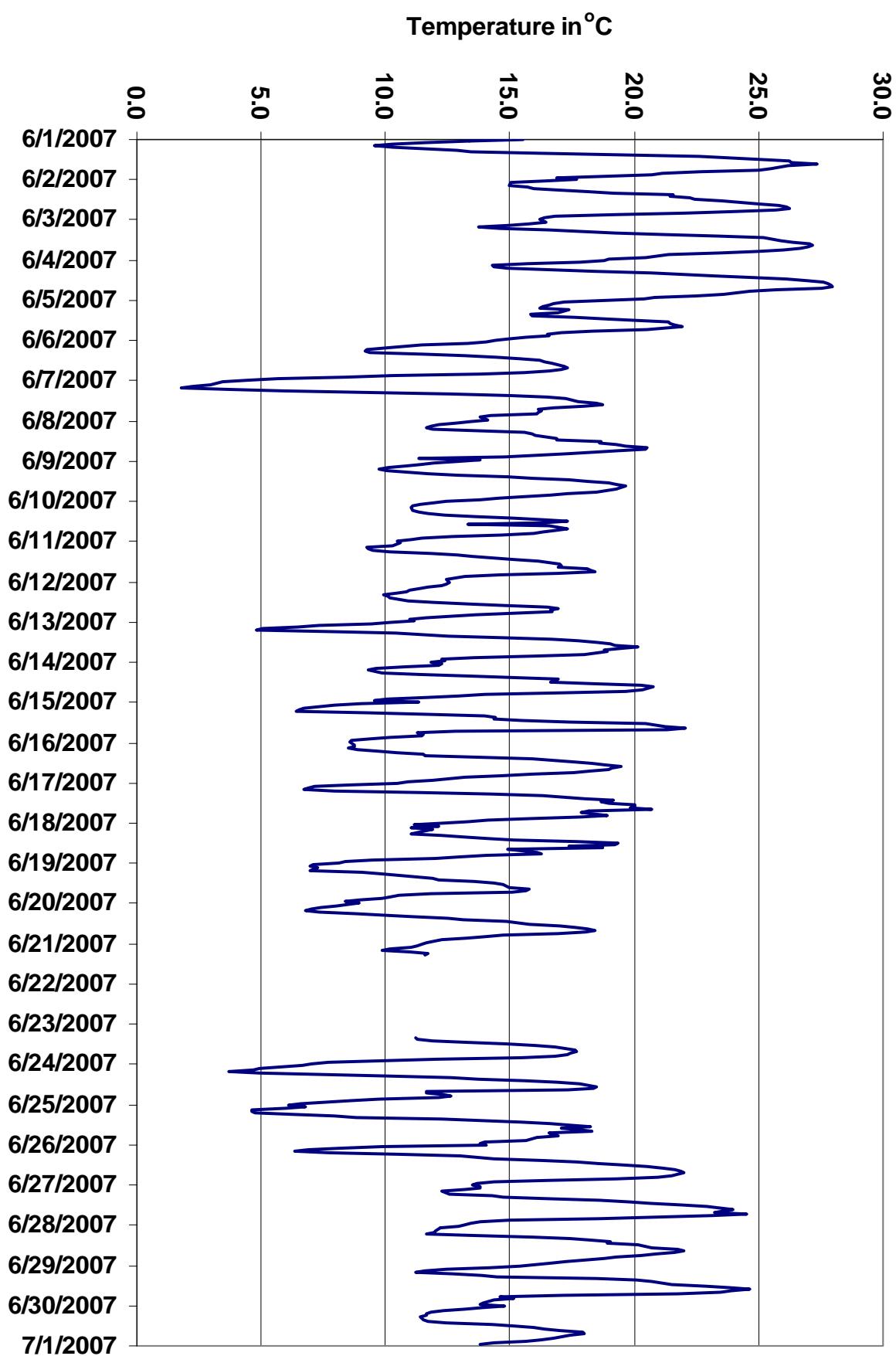


Figure 33. PASZA - Smoky Heights Temperature 1-hr Average Monthly Trend

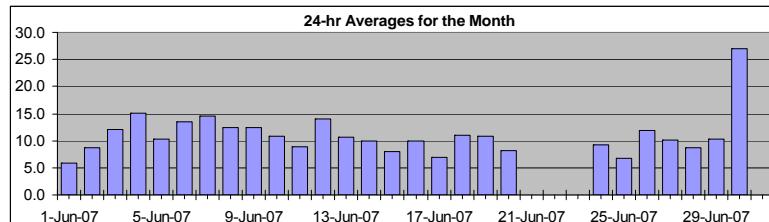
PASZA - Smoky Heights - Scalar Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Summary

Maximum 1-hr Average: 38.5 km/hr 30-Jun 17:00 18:00
Maximum 24-hr Value: 26.9 km/hr 30-Jun

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	93.3%
Percentile	99	95	75	AverageS
	33.8	24.1	13.6	9.8
			5	4.0
			1	3.1
				11.2 km/hr

Day Mountain Standard Time

	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	6:00 7:00	7:00 8:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Max
1-Jun-07	8	4	4	4	4	3	4	7	4	3	7	7	7	7	7	7	8	6	9	9	8	6	6	6	6	5	5.9	9.1
2-Jun-07	7	7	5	5	3	3	4	4	7	14	18	20	16	14	12	10	10	10	8	6	6	6	5	6	6	6	8.7	19.8
3-Jun-07	6	8	8	8	7	8	11	11	11	11	14	14	16	16	17	16	16	17	18	15	12	9	10	10	10	12.1	18.2	
4-Jun-07	12	11	9	10	9	12	13	11	11	19	26	24	23	24	26	25	22	19	14	11	9	11	7	7	7	15.1	26.2	
5-Jun-07	5	4	5	4	5	7	12	8	12	15	18	11	9	12	14	12	14	8	10	17	7	11	12	13	10.3	18.3		
6-Jun-07	15	17	20	26	21	16	14	13	15	14	17	19	20	17	14	12	12	9	9	8	6	4	6	4	13.6	25.9		
7-Jun-07	4	4	6	3	5	6	8	12	15	18	20	18	21	20	23	27	32	21	18	12	14	10	13	17	14.5	32.1		
8-Jun-07	17	16	15	14	15	12	11	10	9	11	10	10	10	12	20	16	17	15	13	9	6	9	7	12	12.4	20.2		
9-Jun-07	9	8	11	8	6	8	5	7	10	12	11	13	16	16	19	20	20	20	19	13	14	12	10	12	12.4	20.4		
10-Jun-07	11	13	17	13	9	8	8	9	9	11	8	8	7	14	12	10	13	17	14	13	10	11	8	9	10.9	16.8		
11-Jun-07	20	14	9	8	8	4	7	8	8	12	8	7	7	5	7	6	5	5	5	7	15	11	12	13	8.9	20.0		
12-Jun-07	18	18	20	16	10	20	21	12	19	18	15	13	17	18	15	17	10	6	11	8	5	6	7	15	14.0	21.4		
13-Jun-07	16	16	12	6	8	9	10	9	9	11	9	12	15	11	8	7	9	8	17	18	12	5	7	10	10.6	17.9		
14-Jun-07	11	14	11	7	7	4	6	6	6	5	4	7	9	7	8	8	7	9	19	26	24	16	11	9	9.9	25.7		
15-Jun-07	10	7	4	5	5	4	3	3	6	9	10	6	8	11	14	13	15	13	10	12	8	6	4	4	8.0	15.4		
16-Jun-07	5	4	4	6	6	10	10	13	10	11	11	13	15	14	14	13	11	8	7	9	11	11	12	12	9.9	14.8		
17-Jun-07	10	3	3	4	5	6	4	4	8	6	7	5	6	5	10	13	6	23	14	7	3	5	4	7	7.0	23.2		
18-Jun-07	4	4	5	5	13	19	8	4	8	7	6	4	6	7	11	22	22	26	30	18	12	4	8	11	11.0	29.8		
19-Jun-07	12	12	13	14	15	20	23	21	12	12	9	8	9	6	4	11	11	9	10	9	6	5	4	5	10.8	23.1		
20-Jun-07	6	7	4	5	5	6	6	9	11	12	8	9	11	10	11	11	11	12	9	6	7	8	8.2	11.7				
21-Jun-07	8	9	8	8	4	5	9	16	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	15.8			
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0			
23-Jun-07	P	P	P	P	P	P	P	P	24	32	33	38	27	24	22	25	23	22	23	19	10	7	4	4	N	37.5		
24-Jun-07	6	9	8	6	7	8	8	13	12	11	11	12	10	10	8	10	27	15	8	8	2	4	7	5	9.3	27.4		
25-Jun-07	5	5	4	4	7	5	5	7	5	6	6	7	9	6	10	10	6	7	10	6	6	6	11	6.7	11.4			
26-Jun-07	19	14	11	6	11	11	11	16	18	20	18	19	14	10	12	11	11	9	7	6	7	6	6	6	11.8	19.9		
27-Jun-07	6	12	9	8	9	7	5	10	12	17	13	12	12	11	8	7	5	5	8	11	7	27	12	9	10.1	26.9		
28-Jun-07	9	10	7	5	6	6	7	8	6	6	8	8	9	12	12	11	13	13	15	11	9	8	6	6	8.8	15.4		
29-Jun-07	12	11	10	6	4	9	11	14	4	5	6	5	9	8	8	13	11	11	27	23	12	11	6	11	10.3	26.9		
30-Jun-07	13	10	8	15	22	19	21	25	20	25	25	31	32	34	35	37	34	39	37	33	34	37	29	30	26.9	38.5		

1-hr Average	10.1	9.6	8.9	8.1	8.4	9.1	9.5	10.2	10.7	12.6	12.8	12.8	12.9	13.6	14.2	14.4	13.9	14.3	12.8	10.2	9.7	8.5	9.7	
Hourly Max	20.0	18.4	19.8	25.9	22.4	20.0	23.1	24.9	24.1	32.0	32.8	37.5	32.1	33.6	35.4	36.9	34.5	38.5	37.1	33.5	33.5	36.7	28.8	30.4

PASZA - Smoky Heights - Vector Wind Speed Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	38.4 km/hr	30-Jun 17:00 18:00
Maximum 24-hr Value:	26.5 km/hr	30-Jun

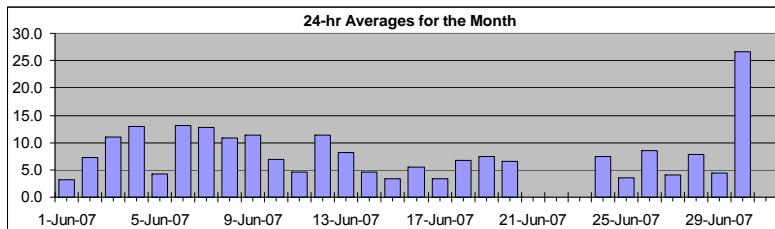
Calm Time:	3 hrs	0% calms	Operational Time:	669 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	93.3%				
Percentile	99	95	75	50	25	5	1	AverageV
	33.7	23.8	13.2	9.1	5.7	2.8	1.1	3.9 km/hr

Day	Mountain Standard Time																									24-hr Vector Average	Daily Max
	Hour Start 1:00	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-Jun-07	4	2	4	4	3	1	2	6	4	calm	5	6	5	5	7	7	5	8	9	8	2	4	5	5	3.2	8.9	
2-Jun-07	7	7	4	5	2	2	3	3	7	13	18	20	16	14	12	9	9	9	10	8	6	6	5	6	7.3	19.5	
3-Jun-07	5	8	7	8	7	8	11	11	11	11	14	14	15	14	17	16	16	17	18	15	12	9	10	10	11.0	17.7	
4-Jun-07	11	10	9	9	9	11	13	11	10	18	26	24	23	24	25	25	22	19	14	11	8	10	6	6	12.9	25.9	
5-Jun-07	5	3	5	2	3	6	12	6	12	15	18	10	9	11	14	11	13	7	10	17	6	11	12	13	4.3	18.0	
6-Jun-07	14	17	20	26	20	16	14	13	15	14	17	18	19	16	13	11	11	8	8	8	6	3	6	4	13.2	25.8	
7-Jun-07	4	4	5	2	5	6	8	11	15	18	19	18	20	20	22	26	32	21	17	12	14	10	13	17	12.9	32.0	
8-Jun-07	17	16	15	14	15	12	11	9	8	11	9	8	7	11	20	16	16	15	13	9	6	8	4	10	10.8	19.8	
9-Jun-07	8	8	10	8	6	7	5	7	9	11	11	12	15	16	18	20	19	20	18	13	14	12	10	11	11.3	19.9	
10-Jun-07	11	13	16	13	9	8	7	9	9	10	7	7	5	12	10	9	13	17	14	12	10	10	8	4	6.9	16.6	
11-Jun-07	19	12	7	5	8	3	6	8	7	11	7	6	5	4	6	5	2	2	4	1	15	11	12	13	4.6	19.0	
12-Jun-07	18	18	20	16	9	20	21	10	19	18	14	12	16	18	15	17	6	5	11	8	4	5	6	15	11.3	21.3	
13-Jun-07	16	16	12	4	8	9	10	8	9	10	7	10	14	9	4	2	8	6	17	18	12	3	7	10	8.2	17.7	
14-Jun-07	11	14	11	3	6	4	6	5	5	4	1	6	8	6	8	7	3	5	17	24	24	16	9	8	4.7	24.5	
15-Jun-07	8	4	3	4	4	3	3	1	6	9	9	5	7	11	13	12	12	8	10	11	6	6	4	4	3.4	13.3	
16-Jun-07	4	3	3	6	6	10	10	13	10	10	10	12	14	13	13	12	10	8	6	9	9	11	11	12	5.5	14.5	
17-Jun-07	6	1	calm	3	4	6	4	3	3	4	6	3	5	2	9	12	4	23	14	7	3	5	1	6	3.4	22.7	
18-Jun-07	4	4	4	1	13	19	8	3	7	7	5	2	1	6	6	22	21	24	30	17	11	2	7	10	6.7	29.7	
19-Jun-07	12	11	13	14	14	19	23	21	12	12	8	6	8	4	2	10	10	9	4	8	5	5	2	4	7.5	22.8	
20-Jun-07	5	7	3	4	5	3	5	5	9	11	7	8	10	10	11	10	10	11	11	9	4	6	7	7	6.6	11.3	
21-Jun-07	8	9	6	8	calm	4	8	15	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	15.1		
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0		
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	37.2		
24-Jun-07	5	9	8	6	7	8	7	12	11	10	9	11	8	8	5	10	27	14	4	8	1	3	6	4	7.4	26.7	
25-Jun-07	5	4	4	3	4	5	4	7	5	7	4	4	2	5	8	5	8	10	5	6	8	2	3	11	3.5	10.7	
26-Jun-07	19	14	11	5	11	11	11	16	18	20	17	18	13	8	11	10	10	10	7	6	6	7	6	6	8.5	19.6	
27-Jun-07	5	11	9	8	9	6	4	10	12	17	13	11	11	10	6	5	5	5	8	6	4	25	10	7	4.1	25.2	
28-Jun-07	8	10	6	5	5	6	7	7	6	6	8	8	8	11	11	10	12	13	15	11	7	6	6	4	7.8	15.3	
29-Jun-07	9	11	10	5	4	9	11	13	1	3	4	4	8	7	7	12	11	10	18	22	11	11	6	11	4.5	21.6	
30-Jun-07	13	10	4	15	22	19	21	25	20	25	25	31	32	33	35	37	34	38	37	33	33	37	29	30	26.5	38.4	

1-hr Vector	5.5	3.1	2.8	1.0	2.2	3.1	2.8	2.6	1.9	1.8	0.8	1.2	0.9	0.3	1.2	1.8	0.7	1.4	2.1	2.9	2.3	2.0	1.8	2.8
Hourly Max	19.0	18.3	19.7	25.8	22.4	19.8	22.8	24.8	23.9	31.8	32.6	37.2	32.0	33.4	35.3	36.8	34.3	38.4	36.9	33.3	33.5	36.6	28.8	30.3

HOURLY AVERAGE TABLE

Wind Speed (WSv)



Status Flag Characters

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

PASZA - Smoky Heights - Wind Direction Monthly Summary

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Wind Data Summary													

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs									
Calibration Time:	0 hrs		AMD Operational Uptime:	93.3%									
Percentile	99	95	75	50	25	5	1	Average					
	354.8	332.8	256.9	182.2	51.5	13.7	5.5		289 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	0:00	
1-Jun-07	330	214	236	279	310	26	245	175	180	93	41	57	53	16	51	45	41	48	37	8	331	64	11	4	27	NNE	
2-Jun-07	12	33	355	135	211	258	196	80	7	13	22	30	44	58	47	61	53	51	43	22	15	7	7	11	34	NE	
3-Jun-07	355	6	356	7	7	11	14	31	33	33	35	51	61	78	53	62	67	64	70	79	68	58	51	48	48	NE	
4-Jun-07	63	59	33	28	35	38	48	44	47	106	118	96	109	113	126	124	112	112	106	92	119	113	55	54	94	E	
5-Jun-07	3	333	338	324	165	275	299	236	204	214	260	286	323	322	314	314	280	313	60	95	54	23	27	31	315	NW	
6-Jun-07	25	25	22	24	31	29	25	28	30	31	35	35	30	40	50	7	15	14	42	73	80	76	24	5	30	NNE	
7-Jun-07	340	328	287	249	187	208	185	199	215	224	225	229	222	226	237	257	257	264	285	275	268	257	254	251	244	WSW	
8-Jun-07	262	267	256	265	257	267	280	306	331	323	320	333	268	273	262	276	279	310	334	330	319	331	230	326	287	WNW	
9-Jun-07	23	3	0	353	39	14	32	29	34	58	52	55	76	66	67	59	63	64	79	66	73	58	71	111	56	NE	
10-Jun-07	113	128	131	107	98	102	128	153	174	168	173	155	216	188	167	89	40	53	63	52	64	46	56	13	107	ESE	
11-Jun-07	288	313	248	147	230	236	186	205	290	324	331	323	318	333	350	133	299	115	66	213	227	212	234	248	262	W	
12-Jun-07	254	254	247	247	249	237	245	253	255	252	255	254	259	259	267	277	308	35	13	48	109	175	231	252	256	WSW	
13-Jun-07	260	260	259	164	186	200	191	187	168	185	180	211	224	226	333	182	179	214	245	258	262	309	266	261	228	SW	
14-Jun-07	259	262	277	209	145	188	187	213	234	266	96	77	90	137	39	30	68	275	217	231	262	258	261	124	235	SW	
15-Jun-07	309	186	225	234	223	232	190	147	35	41	82	35	53	34	33	31	52	166	333	314	17	33	30	325	28	NNE	
16-Jun-07	352	8	7	353	2	351	7	27	36	38	27	39	43	37	26	25	37	60	59	254	204	205	254	271	17	NNE	
17-Jun-07	272	58	161	277	272	156	189	184	58	64	33	2	351	328	237	256	222	280	292	277	355	309	263	356	287	WNW	
18-Jun-07	356	11	6	237	333	337	12	15	179	210	226	214	199	147	277	258	224	244	250	302	307	266	190	241	264	W	
19-Jun-07	251	259	242	256	285	299	306	299	294	283	314	16	35	181	346	356	10	350	340	33	28	27	303	303	WNW		
20-Jun-07	266	258	261	20	17	41	52	38	33	40	58	53	45	48	56	49	53	44	11	8	14	345	57	18	32	NNE	
21-Jun-07	20	60	45	75	175	266	227	247	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-	
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-	
24-Jun-07	277	239	210	185	231	206	202	233	215	172	174	187	211	193	151	173	185	208	92	125	127	214	258	289	198	SSW	
25-Jun-07	29	346	332	259	229	209	162	171	162	136	173	178	153	151	221	193	143	174	214	221	284	350	187	278	198	SSW	
26-Jun-07	294	264	258	220	241	257	240	232	237	245	241	243	256	243	250	222	217	232	163	116	69	59	44	33	244	WSW	
27-Jun-07	48	91	79	79	83	66	76	101	115	133	138	159	183	198	179	207	152	134	117	339	336	248	343	72	124	SE	
28-Jun-07	15	57	53	14	15	15	358	24	12	22	55	51	43	44	48	51	47	44	50	38	22	288	43	115	37	NE	
29-Jun-07	267	358	21	34	321	269	260	267	82	91	99	69	46	28	42	52	52	43	258	324	21	30	343	252	347	NNW	
30-Jun-07	283	261	259	228	250	242	245	242	235	241	241	246	248	246	237	243	245	238	241	232	229	231	228	228	240	WSW	

Hourly Avg 305 309 298 289 270 283 266 251 251 242 246 304 316 269 292 293 270 279 305 311 313 294 301 289

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

Station: Smoky Heights
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|--|

Calm Time:	0 hrs	0% calms	Operational Time:	672 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	93.3%			
Percentile	99	95	75	50	25	5	1
	56.1	46.0	23.0	12.9	7.7	4.0	2.9

Determined by the Yamartino 15-min interval calculation

Status Flag Characters

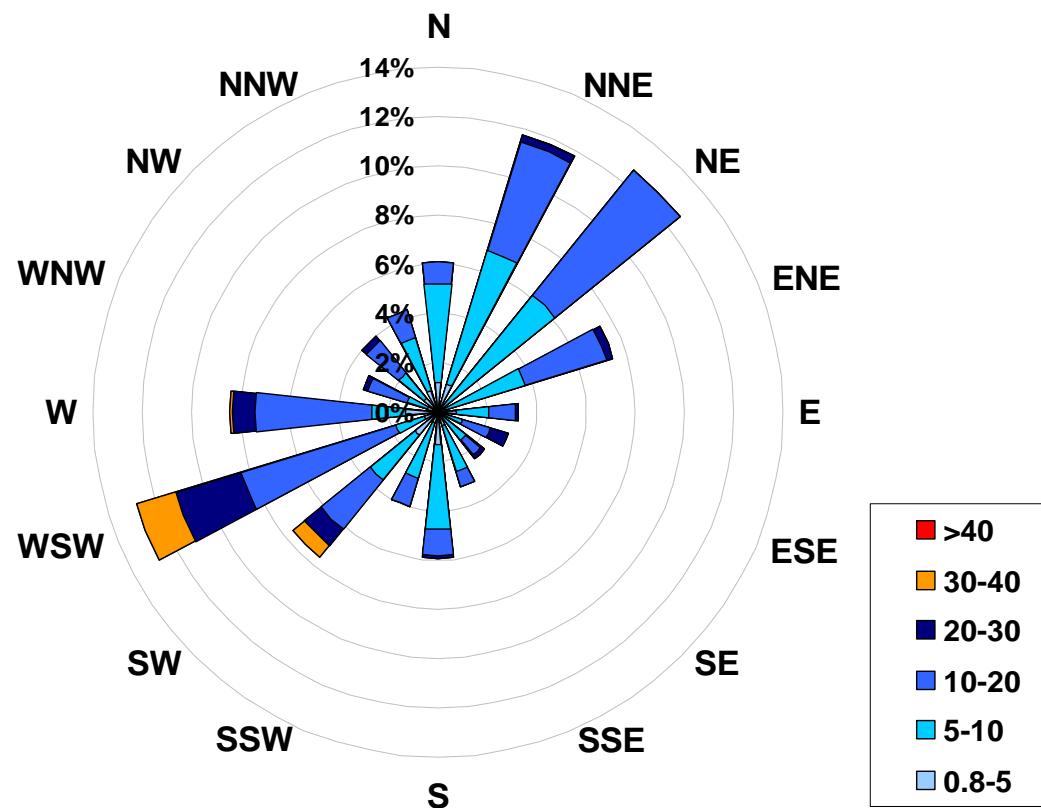
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

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	0:00	Daily Maximum
Hour End	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Jun-07	16	31	26	31	28	38	36	8	21	46	25	24	44	51	26	26	31	13	7	6	28	36	9	7	50.8	
2-Jun-07	8	10	34	23	52	31	30	14	12	11	8	7	10	11	16	20	16	19	9	6	5	6	8	8	52.2	
3-Jun-07	13	8	10	5	7	8	6	8	10	10	12	13	13	19	12	13	12	10	8	5	6	7	7	6	18.7	
4-Jun-07	9	7	11	6	6	5	7	7	8	13	7	10	10	10	10	9	12	8	5	6	13	17	18	19	18.7	
5-Jun-07	21	35	17	44	23	18	9	21	4	6	9	15	18	23	10	10	8	20	22	8	27	7	5	5	44.1	
6-Jun-07	4	4	5	4	6	5	6	7	9	11	9	12	14	16	26	28	25	27	18	10	7	33	5	17	33.2	
7-Jun-07	9	9	12	38	12	6	6	8	8	9	13	14	13	14	13	8	5	4	14	7	5	5	4	5	38.0	
8-Jun-07	4	5	5	5	3	20	5	18	23	11	25	31	57	24	12	15	16	13	10	7	6	5	20	20	57.5	
9-Jun-07	6	10	11	8	17	37	16	17	13	13	15	15	18	14	11	12	10	8	8	6	6	5	11	12	36.8	
10-Jun-07	12	10	8	8	10	12	10	8	10	9	25	52	63	18	15	18	10	6	10	6	6	6	8	35	63.4	
11-Jun-07	12	11	45	15	8	26	14	18	23	14	28	42	41	41	22	29	43	49	32	36	3	4	4	5	49.2	
12-Jun-07	3	3	3	4	10	6	5	22	8	7	13	38	12	4	5	8	33	24	9	10	22	50	32	2	49.8	
13-Jun-07	2	2	21	37	6	4	4	9	15	14	29	27	22	31	41	36	16	36	8	9	4	23	12	12	40.9	
14-Jun-07	15	5	7	41	9	21	9	12	24	53	47	22	15	39	25	27	53	46	13	7	3	3	22	16	53.5	
15-Jun-07	26	37	44	17	14	10	16	34	19	13	14	30	36	17	14	15	30	29	9	22	29	9	14	9	43.7	
16-Jun-07	23	38	47	14	10	7	9	7	11	15	16	16	12	17	14	13	14	12	35	6	14	12	7	4	46.8	
17-Jun-07	54	42	32	18	11	15	11	40	28	39	30	52	34	68	31	14	32	10	6	12	15	12	36	14	67.8	
18-Jun-07	46	17	15	49	10	7	14	28	16	12	19	66	61	40	40	9	9	14	4	14	9	15	11	3	65.9	
19-Jun-07	5	7	2	3	6	8	7	6	12	12	21	35	25	56	36	20	19	19	50	14	15	17	35	14	55.8	
20-Jun-07	18	18	19	17	7	24	13	18	9	10	9	17	16	11	15	11	13	8	9	10	8	42	37	13	42.2	
21-Jun-07	7	13	25	11	31	49	12	9	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	48.5		
22-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0.0		
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	54.1		
24-Jun-07	35	13	12	16	6	12	9	9	13	14	23	27	29	47	32	18	7	17	45	9	51	50	9	18	50.8	
25-Jun-07	27	21	27	54	24	14	16	9	19	11	44	47	58	47	36	21	22	11	16	28	48	44	27	15	57.5	
26-Jun-07	5	5	3	31	3	2	6	6	8	10	15	37	25	34	25	29	24	18	13	10	7	7	11	11	37.5	
27-Jun-07	14	6	10	9	7	13	22	6	8	11	18	16	15	20	37	35	22	33	15	17	43	10	16	16	42.6	
28-Jun-07	15	9	10	16	15	14	9	11	23	23	20	17	22	15	20	15	10	7	5	6	23	29	16	23	29.1	
29-Jun-07	20	12	9	35	26	11	5	6	57	56	51	37	30	30	28	14	12	8	30	6	7	6	23	13	56.7	
30-Jun-07	10	8	35	6	4	4	4	4	4	4	4	5	5	4	4	4	4	5	4	3	4	4	3	4	35.3	

Hourly Max 54 42 47 54 52 49 36 40 57 56 51 66 63 68 41 36 53 49 50 36 51 50 37 54

1-hr Average Wind Rose (in km/hr) Located at the Smoky Heights Site for June 2007



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	77
5	to	10	267
10	to	20	266
20	to	30	46
30	to	40	16
> 40			0
Total Non-Zero Values			672

PASZA – Beaverlodge Station Monthly Summary Tables, Graphs, and Roses

PASZA - Beaverlodge - AQI Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Air Quality Index (AQI)

Monitoring Dates: June 1, 2007 to July 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:	603
Number of 1-hr Fair Readings:	28
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day Mountain Standard Time

Hour Start	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	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-Jun-07	16	14	11	13	N	8	8	13	16	19	22	24	25	26	30	31	28	27	24	22	21	20	20	21		
2-Jun-07	19	18	14	15	N	15	28	25	21	21	24	28	29	40	30	29	29	26	23	24	21	21	21	21		
3-Jun-07	21	20	18	18	N	15	46	29	20	26	25	25	25	24	24	24	31	24	24	23	22	20	20	20		
4-Jun-07	18	18	17	17	N	20	17	17	20	23	26	30	32	32	34	35	33	34	31	22	22	22	31	18		
5-Jun-07	14	13	15	16	N	14	13	11	11	12	10	12	N	N	4	5	10	14	15	N	20	20	23	19		
6-Jun-07	15	14	14	15	N	18	18	18	16	16	17	19	20	21	21	22	22	22	20	19	15	15	15	16		
7-Jun-07	13	12	11	8	N	9	8	9	8	11	17	20	19	18	17	16	14	13	12	12	13	12	11	12		
8-Jun-07	12	13	13	14	N	13	13	14	15	15	15	15	17	17	18	18	18	18	17	16	19	18	17	17		
9-Jun-07	16	16	16	16	N	13	13	13	14	16	18	20	20	20	20	19	19	18	18	15	16	18	18	18		
10-Jun-07	17	16	15	13	N	11	8	10	12	14	16	N	N	18	18	18	N	18	19	18	17	17	16	14		
11-Jun-07	13	13	8	10	N	7	7	11	13	N	N	N	N	N	N	N	N	N	N	N	N	N	N			
12-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	13	13	14	14	14	13	13	13	12	12	12		
13-Jun-07	10	11	9	9	8	7	8	N	12	13	14	15	15	15	15	16	16	16	16	15	13	12	11	11		
14-Jun-07	10	9	9	9	9	10	8	N	11	12	15	15	17	19	19	19	21	17	19	18	16	18	18	17		
15-Jun-07	16	11	12	5	N	7	8	8	11	14	17	18	20	20	20	20	20	19	18	18	18	16	12	12		
16-Jun-07	13	13	12	13	N	12	11	11	12	14	15	16	16	17	17	17	17	16	14	15	14	13	11	11		
17-Jun-07	9	12	9	6	N	5	5	8	8	12	N	N	18	18	19	19	18	18	17	18	15	15	16	16		
18-Jun-07	13	10	9	10	N	10	9	14	16	17	17	18	16	15	N	14	13	14	15	15	14	13	12			
19-Jun-07	12	12	12	10	N	7	8	11	13	14	N	15	15	15	15	15	16	17	15	14	N	14	14			
20-Jun-07	14	13	11	10	N	8	5	8	7	8	12	11	N	16	17	19	19	18	17	16	14	13	13	13		
21-Jun-07	14	12	10	9	N	9	N	11	12	14	N	N	18	N	18	N	19	19	19	18	17	15	16	16		
22-Jun-07	15	14	13	8	N	10	10	11	14	14	N	17	17	21	22	21	20	20	20	17	16	15	15	15		
23-Jun-07	14	14	15	13	N	12	11	13	15	13	14	N	N	14	N	N	15	15	14	13	12	11	12			
24-Jun-07	10	10	10	9	N	7	8	10	12	13	N	N	16	16	16	15	15	16	14	15	14	12	14	14		
25-Jun-07	14	11	7	7	N	8	5	7	9	12	14	15	15	15	15	15	15	15	15	15	16	14	13	13		
26-Jun-07	12	12	11	8	N	7	8	10	12	N	N	N	N	N	16	16	16	16	17	17	16	15	15	15	15	
27-Jun-07	15	16	14	13	N	9	8	11	13	14	15	19	19	20	20	20	20	19	18	18	17	15	11	10		
28-Jun-07	11	13	8	8	N	12	14	17	15	16	N	17	19	21	22	20	20	19	19	16	18	18	15	16		
29-Jun-07	15	13	10	11	N	11	8	9	13	14	18	20	22	23	20	21	19	16	16	17	17	18	18	16		
30-Jun-07	15	14	12	14	N	9	9	11	13	13	13	13	13	13	13	13	13	13	13	13	14	13	14	13		

PASZA - Beaverlodge - Sulphur Dioxide Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary

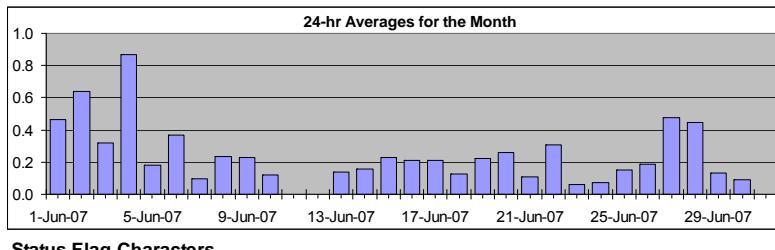
Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	2.5 ppb 1-Jun 8:00 9:00
Maximum 24-hr Average:	0.9 ppb 4-Jun

AIC Time:	30 hrs	Operational Time:	653 hrs						
Calibration Time:	9 hrs	AMD Operational Uptime:	96.1%						
Percentile	99 1.6	95 1.0	75 0.3	50 0.1	25 0.1	5 0.0	1 0.0	Average 0.2 ppb	Median 0.1 ppb

Day	Mountain Standard Time																									24-hour Average	Daily Maximum	
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00			
1-Jun-07	0	0	0	0	A	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	2.5
2-Jun-07	0	1	1	1	A	1	0	0	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0.6	1.8
3-Jun-07	0	0	1	1	A	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9
4-Jun-07	0	1	1	1	A	1	1	1	1	1	2	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0.9	1.9
5-Jun-07	0	0	0	0	A	0	0	0	0	0	C	C	C	A	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
6-Jun-07	0	0	0	0	A	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.4
7-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
8-Jun-07	0	0	0	0	A	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
9-Jun-07	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.0
10-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
11-Jun-07	0	0	0	0	A	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.4		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.2		
13-Jun-07	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	0.1	0.3
14-Jun-07	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	0.2	0.5
15-Jun-07	0	0	0	0	A	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.9
16-Jun-07	0	0	0	0	A	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.8
17-Jun-07	0	0	0	0	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.4
18-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
19-Jun-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	1.8
20-Jun-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	0.3	1.4
21-Jun-07	0	0	0	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.6
22-Jun-07	2	2	1	1	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.9
23-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
24-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
25-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
26-Jun-07	0	0	0	0	A	0	0	0	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6
27-Jun-07	0	0	0	0	A	0	1	1	1	1	1	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0.5	1.9
28-Jun-07	0	0	0	0	A	0	0	1	C	C	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.4	1.3
29-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
30-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)



Status Flag Characters

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

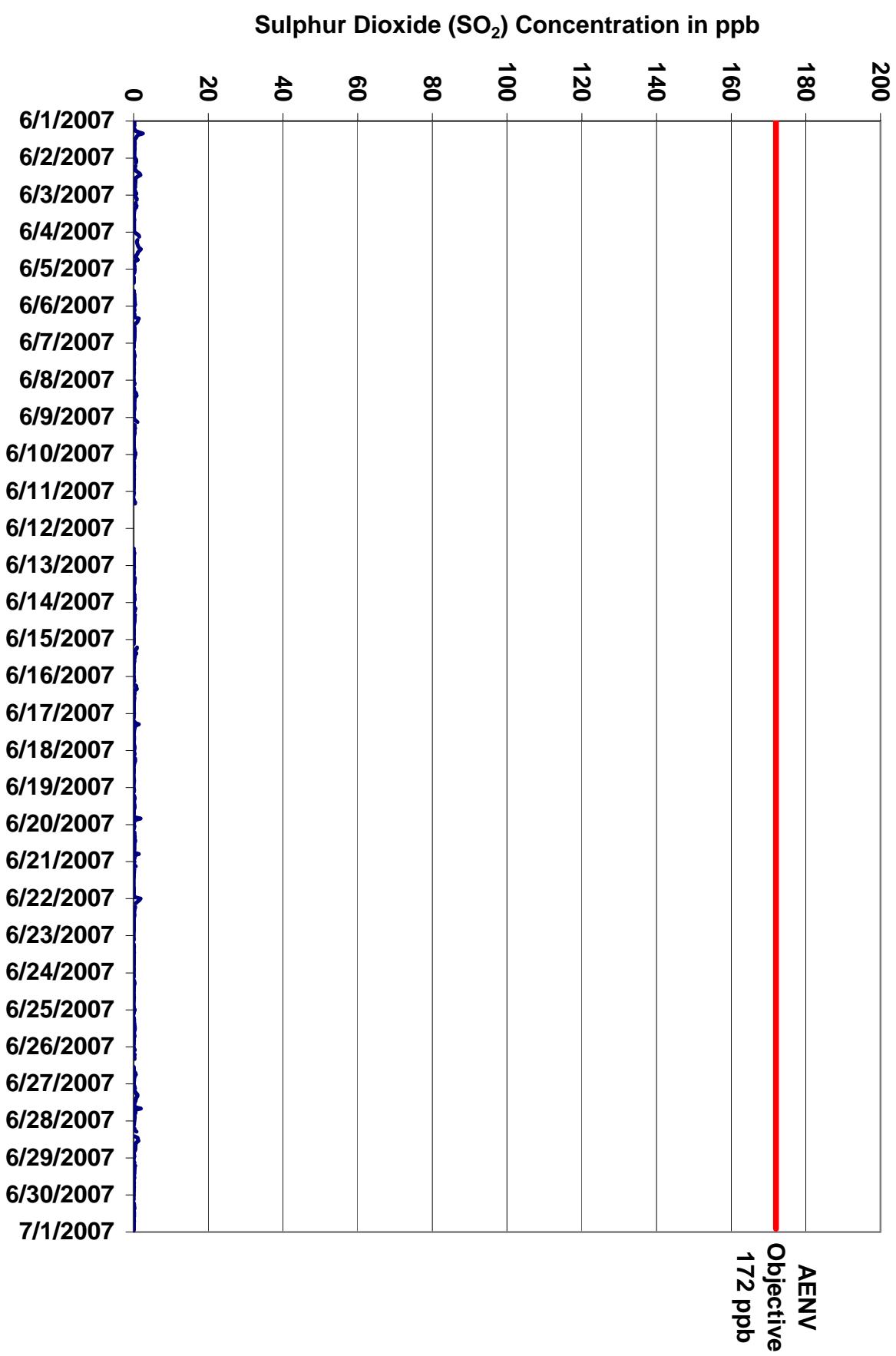


Figure 34. PASZA - Beaverlodge Sulphur Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

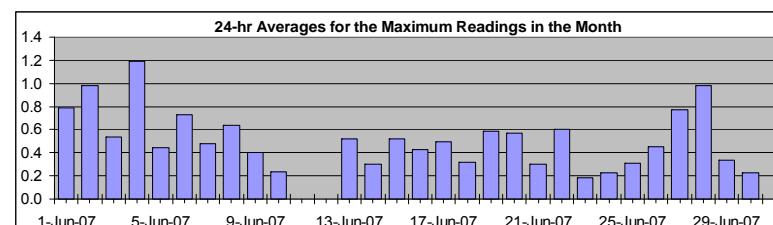
Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	7.4 ppb	28-Jun	10:00 11:00
Maximum 24-hr Value:	1.2 ppb	4-Jun	

AIC Time:	30 hrs	Operational Time:	653 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	96.1%
Percentile	99 95 75 50 25 5 1	Average	Median
	3.0 1.6 0.5 0.3 0.2 0.1 0.1	0.5 ppb	0.3 ppb

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-Jun-07	0:00 1:00	0	0	0	0	A	1	1	3	4	2	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0.8	3.6	
2-Jun-07	1:00 2:00	1	1	1	1	A	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	0	0	1	1	1	1.0	2.9	
3-Jun-07	2:00 3:00	1	1	1	1	A	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	1.2	
4-Jun-07	3:00 4:00	0	1	2	2	A	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	0	0	0	0	0	1.2	2.9
5-Jun-07	4:00 5:00	1	1	0	0	A	0	0	0	0	0	C	C	A	0	0	0	0	0	1	0	1	1	1	1	1	0.4	1.1	
6-Jun-07	5:00 6:00	0	0	1	1	A	0	0	1	2	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0.7	2.2	
7-Jun-07	6:00 7:00	0	0	0	0	A	0	0	1	2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.5	2.3	
8-Jun-07	7:00 8:00	0	0	0	0	A	0	0	0	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.1	
9-Jun-07	8:00 9:00	0	0	1	1	A	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.5	
10-Jun-07	9:00 10:00	1	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.7	
11-Jun-07	10:00 11:00	0	0	0	0	A	0	0	1	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.7		
12-Jun-07	11:00 12:00	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.4		
13-Jun-07	12:00 13:00	0	0	0	0	0	0	0	A	3	1	1	0	0	2	0	0	0	0	0	0	1	1	1	0	0.5	2.7		
14-Jun-07	13:00 14:00	0	0	0	0	1	1	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.7		
15-Jun-07	14:00 15:00	0	0	0	0	A	1	1	1	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	3.7	
16-Jun-07	15:00 16:00	0	0	0	0	A	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.9	
17-Jun-07	16:00 17:00	0	0	0	0	A	0	2	3	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.5	2.7	
18-Jun-07	17:00 18:00	0	0	0	0	A	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0.3	0.8	
19-Jun-07	18:00 19:00	0	1	1	0	A	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.5	
20-Jun-07	19:00 20:00	0	0	0	0	A	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	4	1	1	0	0.6	3.9		
21-Jun-07	20:00 21:00	0	0	0	2	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.7		
22-Jun-07	21:00 22:00	3	3	2	1	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.5	
23-Jun-07	22:00 23:00	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	0.5	
24-Jun-07	23:00 00:00	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	0.9	
25-Jun-07	00:00 01:00	1	0	0	0	A	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.3	0.6	
26-Jun-07	01:00 02:00	0	0	1	0	A	1	0	0	0	C	C	C	C	0	0	0	0	2	1	0	0	0	0	0	0	0.5	2.0	
27-Jun-07	02:00 03:00	0	0	0	1	A	1	1	1	1	1	1	1	1	0	1	3	1	1	1	1	1	1	1	0	0.8	2.7		
28-Jun-07	03:00 04:00	0	0	0	0	A	0	1	1	C	C	7	1	1	2	1	1	1	1	1	1	1	1	1	0	1.0	7.4		
29-Jun-07	04:00 05:00	0	0	0	1	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0.3	1.0		
30-Jun-07	05:00 06:00	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		



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

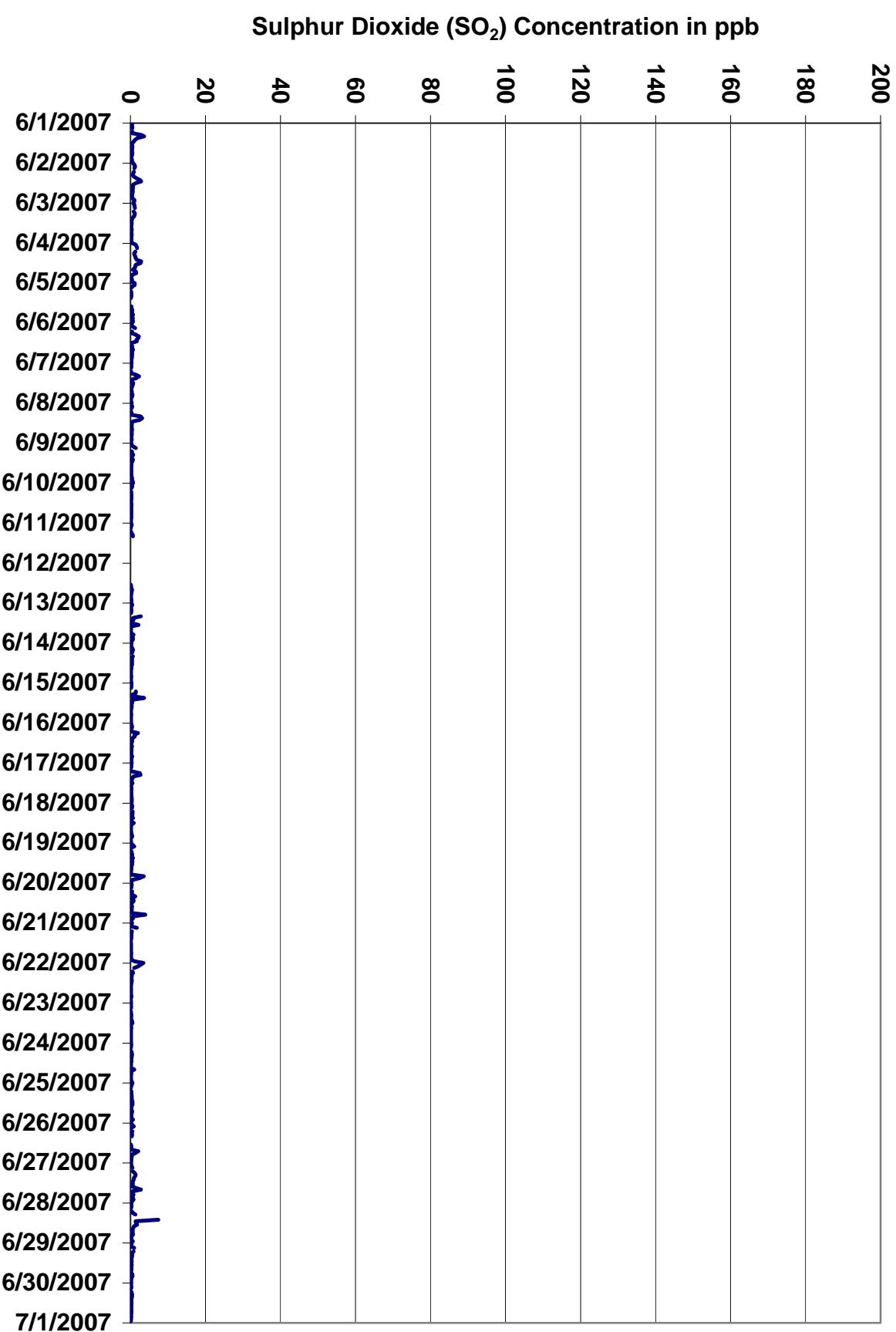
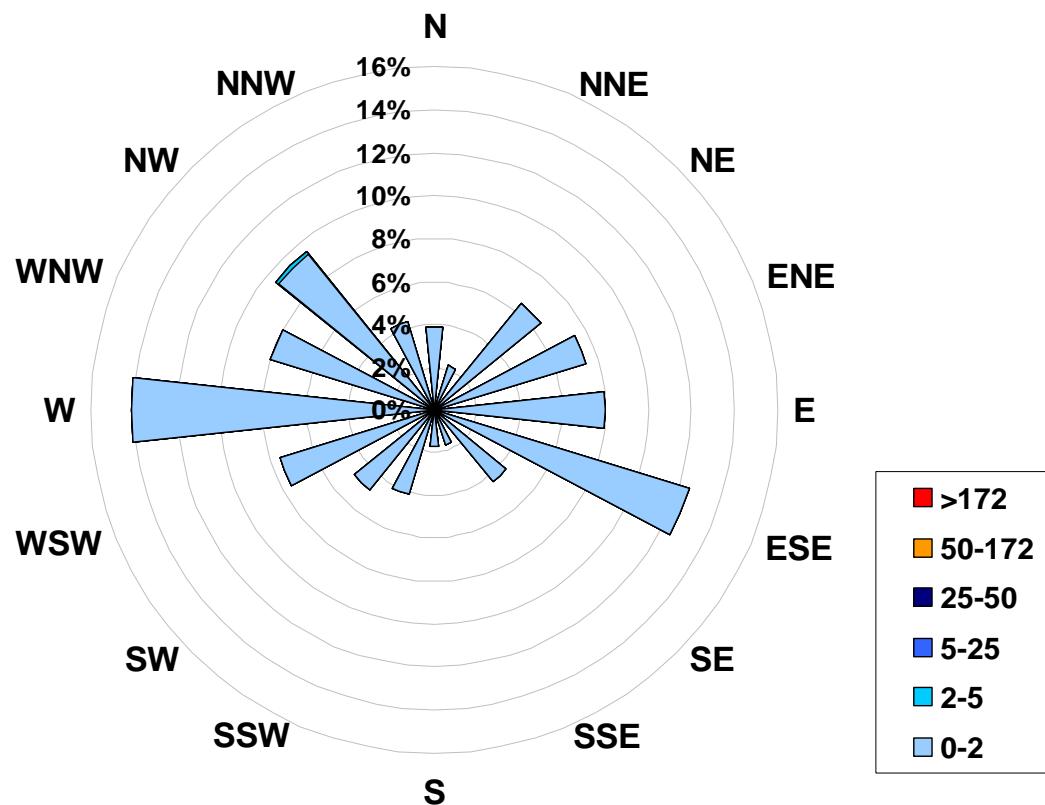


Figure 35. PASZA - Beaverlodge Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	<	2	652
2	to	5	1
5	to	25	0
25	to	50	0
50	to	172	0
>	172		0
Total Non-Zero Values			653

PASZA - Beaverlodge - Nitrogen Dioxide Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

HOURLY AVERAGE TABLE

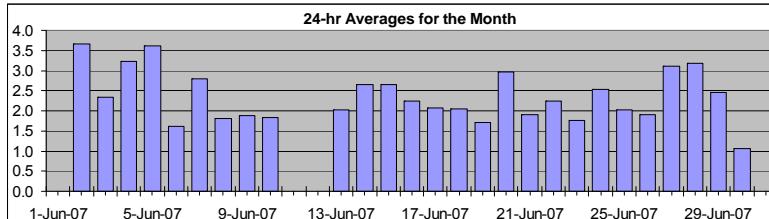
Nitrogen Dioxide (NO_2)

Monitoring Dates: June 1, 2007 to July 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:	8.5	ppb	5-Jun
Maximum 24-hr Average:	3.7	ppb	2-Jun



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	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-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	4	4	4	N	4.3	
2-Jun-07	4	5	6	5	A	8	8	6	7	4	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3.7	
3-Jun-07	2	3	4	4	A	4	7	5	4	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	2.3	
4-Jun-07	2	2	3	3	A	3	3	4	4	3	3	C	C	C	A	2	2	3	4	4	4	4	5	5	3.2	
5-Jun-07	8	9	5	4	A	5	5	5	6	3	6	3	2	2	2	2	2	2	2	3	2	2	2	3	3.6	
6-Jun-07	2	2	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	4	3	3	1.6	
7-Jun-07	4	5	5	5	A	6	5	4	6	4	2	1	2	2	2	2	1	1	1	1	1	1	1	1	2.8	
8-Jun-07	2	1	1	1	A	3	4	2	2	4	3	1	1	1	1	1	1	1	1	2	3	2	2	2	1.8	
9-Jun-07	3	2	2	2	A	4	3	2	3	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.9	
10-Jun-07	2	2	3	3	A	3	3	4	3	2	2	2	1	1	1	1	1	1	1	1	2	1	1	2	1.8	
11-Jun-07	2	2	4	3	A	3	3	1	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.8	
13-Jun-07	2	2	2	2	2	3	4	A	3	1	2	1	1	1	1	1	1	1	1	1	2	2	3	4	2.0	
14-Jun-07	4	3	4	4	3	3	4	A	2	2	1	1	2	2	3	2	2	4	2	3	4	2	2	2	2.7	
15-Jun-07	3	3	2	6	A	4	3	4	3	3	2	2	2	2	2	1	1	2	2	2	2	2	4	5	2.6	
16-Jun-07	3	3	3	3	A	3	3	2	2	2	2	1	1	1	1	1	1	2	2	2	2	4	4	4	2.2	
17-Jun-07	5	3	3	4	A	4	3	3	2	2	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2.1	
18-Jun-07	4	5	7	4	A	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6.6	
19-Jun-07	1	1	2	4	A	6	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1.7	
20-Jun-07	1	2	3	3	A	4	6	4	6	4	2	4	3	2	2	2	1	2	2	2	3	4	3	2	3.0	
21-Jun-07	2	3	4	4	A	4	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2	1.9	
22-Jun-07	2	3	4	5	A	4	5	4	2	1	1	1	1	2	1	1	1	1	1	1	1	2	3	3	2.2	
23-Jun-07	2	3	3	2	A	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1.7	
24-Jun-07	4	4	3	3	A	5	5	3	2	1	1	1	1	1	1	1	1	2	2	3	2	3	5	4	4.5	
25-Jun-07	4	3	5	4	A	3	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2.5	
26-Jun-07	2	3	2	3	A	3	3	2	2	C	C	C	C	1	1	1	1	1	1	1	2	2	2	2	2.0	
27-Jun-07	2	2	2	2	A	6	7	5	3	4	4	3	2	1	1	1	1	2	2	2	3	4	6	6	3.1	
28-Jun-07	5	5	6	5	A	4	3	2	3	3	3	3	2	2	3	3	2	2	2	2	3	4	2	5.7		
29-Jun-07	2	3	5	4	A	2	3	3	2	3	2	1	2	3	2	3	3	2	2	3	2	1	1	2.5		
30-Jun-07	2	2	3	1	A	3	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1.1		
Hourly Avg	2.9	3.0	3.4	3.4	N	3.8	4.0	3.1	2.8	2.3	1.9	1.5	1.4	1.3	1.3	1.3	1.3	1.5	1.5	1.8	2.1	2.4	2.6	2.5		
24-hr Std Dev	0.5	0.5	0.6	0.6	N	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.5	

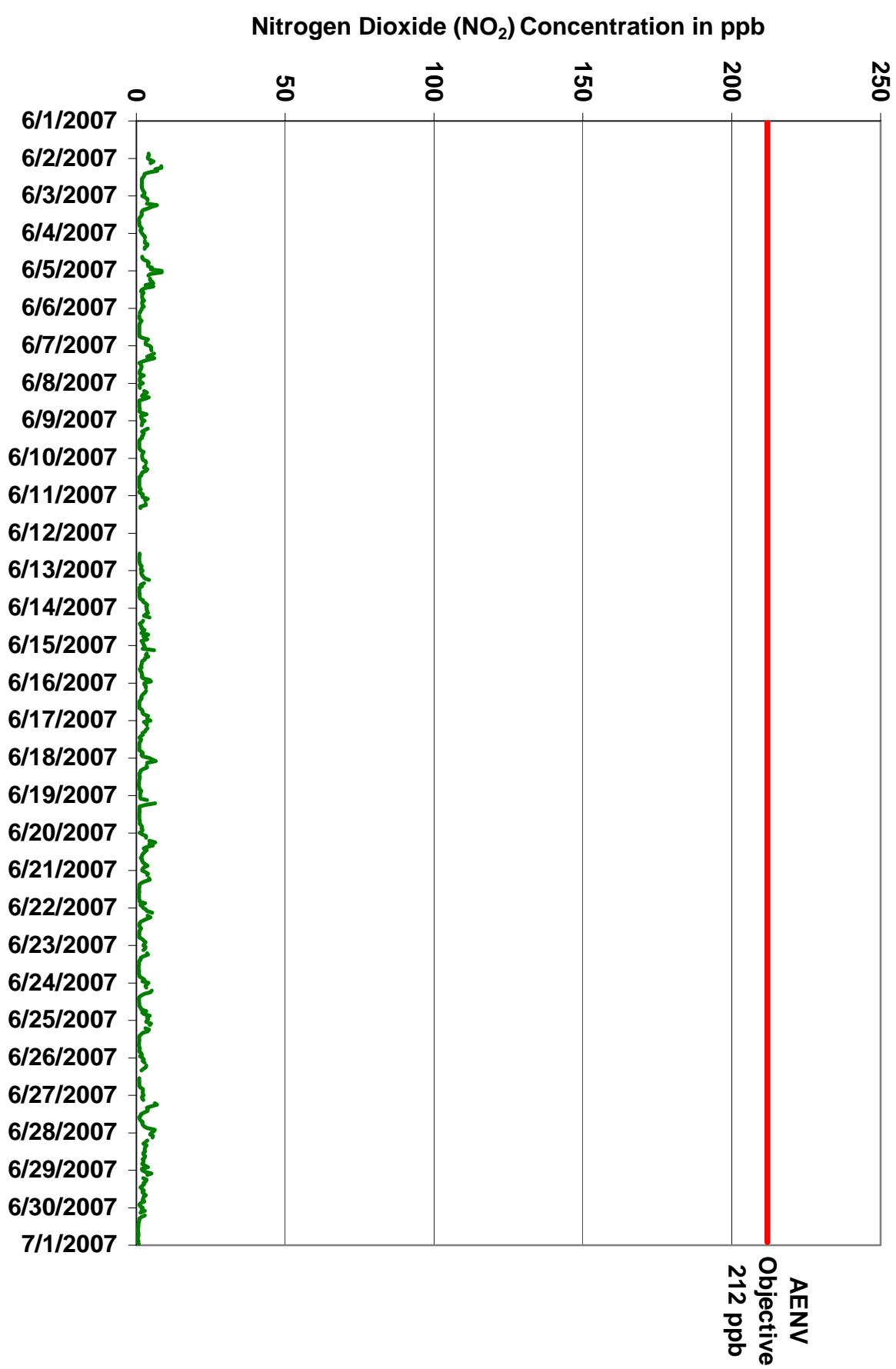


Figure 36. PASZA - Beaverlodge Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

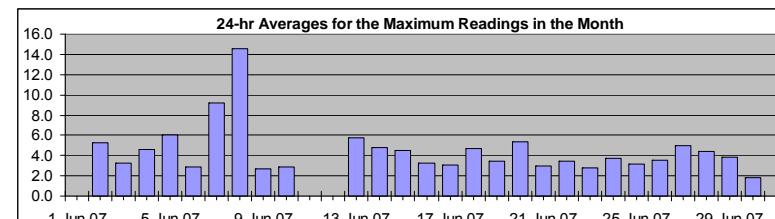
Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	156.3 ppb	8-Jun 9:00 10:00
Maximum 24-hr Value:	14.6 ppb	8-Jun

AIC Time:	30 hrs	Operational Time:	635 hrs
Calibration Time:	9 hrs	AMD Operational Uptime:	93.6%
Percentile	99 95 75 50 25 5 1	Average	Median
	27.6 9.1 5.0 3.0 2.0 1.0 1.0	4.5 ppb	3.0 ppb

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-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	5	5	9		
2-Jun-07	5	9	9	7	A	15	14	8	9	7	4	4	3	2	2	2	2	2	3	4	3	3	3	4	5.3	15.5	
3-Jun-07	3	4	5	5	A	5	11	7	6	3	2	2	2	2	4	1	2	2	2	2	2	2	3	2	2	3.3	10.6
4-Jun-07	3	3	3	4	A	3	4	4	4	4	4	4	C	C	C	A	3	3	3	3	5	2	2	3	3	4.6	9.7
5-Jun-07	15	16	7	5	A	8	9	9	12	4	13	5	3	3	4	3	3	3	3	5	2	2	2	3	3	6.1	15.9
6-Jun-07	2	2	2	2	A	2	2	2	2	3	2	2	1	2	2	2	2	2	5	12	6	5	4	2.9	12.0		
7-Jun-07	6	6	5	6	A	7	6	29	73	21	3	2	7	9	6	3	2	2	2	6	3	3	2	4	9.2	72.9	
8-Jun-07	4	2	2	3	A	6	7	5	31	156	87	2	1	1	2	2	2	2	2	10	3	2	2	2	14.6	156.3	
9-Jun-07	5	3	2	3	A	7	4	2	3	3	2	2	2	2	2	1	2	2	2	2	4	4	3	2	2	2.7	7.0
10-Jun-07	3	3	5	4	A	13	4	5	4	3	2	2	1	1	1	1	1	1	1	2	3	2	1	3	2.8	13.0	
11-Jun-07	3	5	5	3	A	5	6	2	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	5.9		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.1		
13-Jun-07	7	2	2	3	3	4	6	A	27	2	33	3	2	1	1	2	2	2	3	5	5	7	5	5	5.7	33.3	
14-Jun-07	5	6	5	6	6	6	7	A	3	4	2	2	2	3	5	3	9	9	5	4	6	3	6	4	4.8	9.0	
15-Jun-07	5	4	3	9	A	6	4	5	5	17	4	2	4	2	2	3	2	3	2	3	2	3	2	4	4.5	17.1	
16-Jun-07	4	4	6	8	A	5	3	3	2	2	2	2	1	1	1	1	1	3	3	3	3	6	5	6	3.2	8.0	
17-Jun-07	7	4	7	4	A	4	4	5	3	3	2	1	4	2	3	1	2	1	1	2	3	3	2	4	3.1	7.0	
18-Jun-07	8	9	17	7	A	4	5	4	2	28	1	1	3	2	2	1	1	1	2	2	2	2	3	2	4.7	28.0	
19-Jun-07	3	2	3	8	A	12	6	2	2	3	9	1	2	1	2	2	2	2	2	3	2	3	5	3	3.4	11.9	
20-Jun-07	2	4	5	8	A	10	8	7	22	5	3	7	6	4	3	2	2	3	2	3	5	7	4	3	5.4	22.0	
21-Jun-07	2	6	5	5	A	6	8	6	3	2	1	1	1	1	2	1	1	1	2	2	2	6	2	2	2.9	8.0	
22-Jun-07	4	4	5	7	A	5	7	6	3	3	2	1	2	3	3	2	1	1	1	2	4	5	4	4	3.4	7.0	
23-Jun-07	3	5	4	5	A	6	5	5	3	3	1	1	1	2	1	1	2	1	1	2	2	3	4	3	2.8	5.8	
24-Jun-07	6	5	4	7	A	7	7	4	3	2	1	1	1	1	1	2	3	2	6	3	4	7	5	5	3.7	7.1	
25-Jun-07	4	5	7	6	A	5	6	5	3	2	4	1	2	2	1	1	2	2	2	2	4	3	2	2	3.2	7.0	
26-Jun-07	5	4	4	4	A	5	4	4	13	C	C	C	C	4	1	1	1	1	3	4	3	4	3	3	3.5	12.6	
27-Jun-07	3	2	2	3	A	10	10	7	5	4	4	3	4	7	1	2	5	4	3	4	4	6	11	10	5.0	11.0	
28-Jun-07	7	10	7	7	A	4	5	4	6	4	3	3	3	3	3	3	4	3	3	3	5	5	4	4.4	9.9		
29-Jun-07	2	5	6	8	A	4	6	5	3	4	3	2	3	3	4	6	6	3	3	3	4	3	1	3	3.9	7.6	
30-Jun-07	3	3	7	3	A	5	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.9	6.6	



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

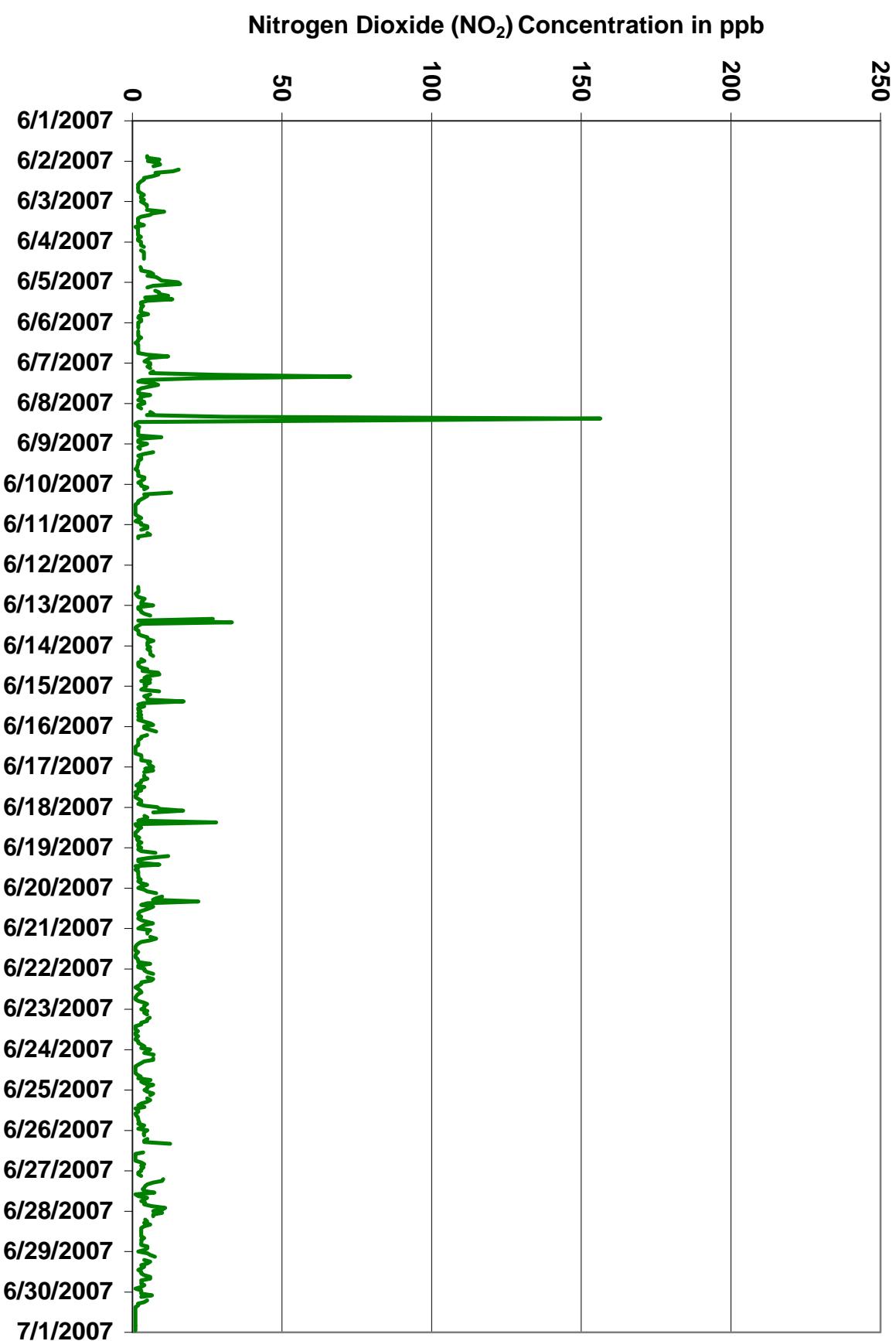
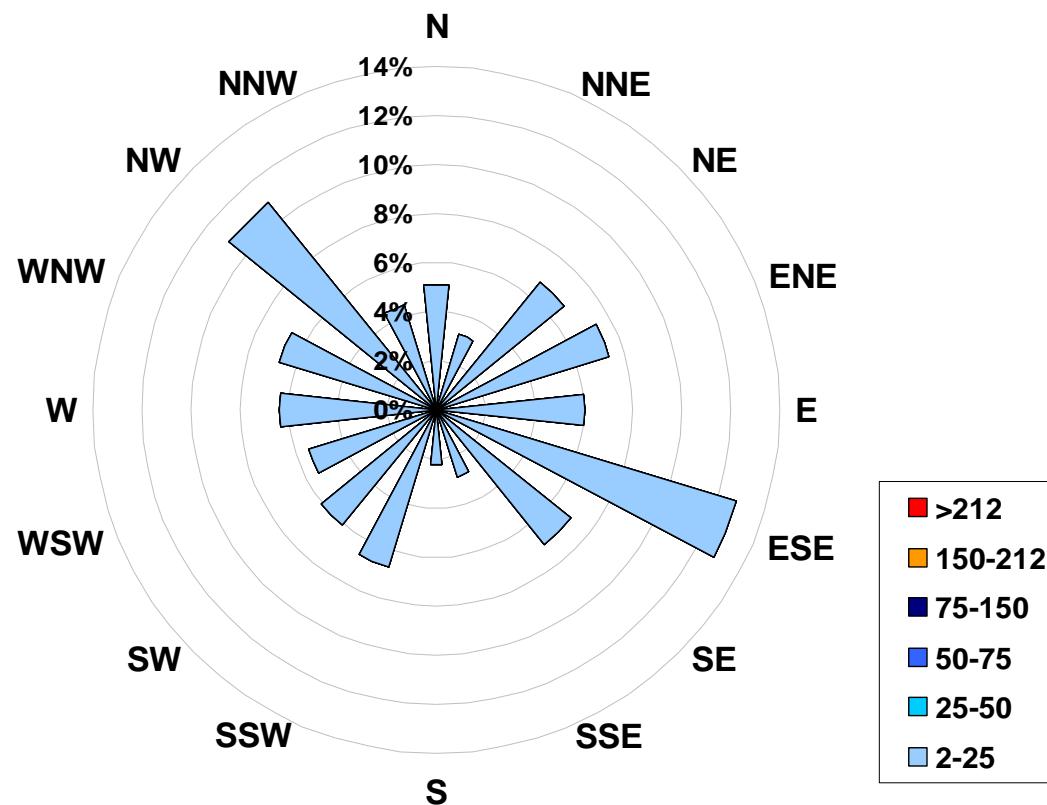


Figure 37. PASZA - Beaverlodge Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range	<	25	
2.0	<	25	635
25	to	50	0
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			635

PASZA - Beaverlodge - Nitric Oxide Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

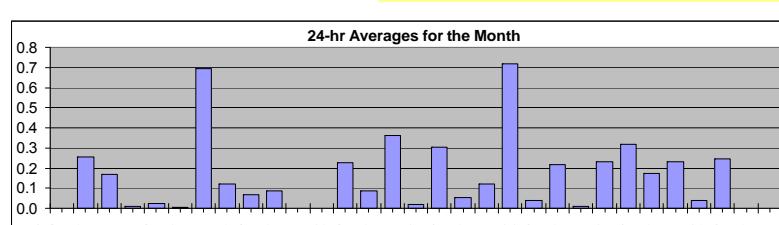
Guideline Limit: 1-hr na ppb 24-hr na ppb

Summary

Maximum 1-hr Average:	3.9	ppb	7-Jun	8:00 9:00
Maximum 24-hr Average:	0.7	ppb	20-Jun	

AIC Time:	30 hrs	Operational Time:	635 hrs						
Calibration Time:	9 hrs	AMD Operational Uptime:	93.6%						
Percentile	99	95	75	50	25	5	1	Average	Median
	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.2 ppb	0.0 ppb

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-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	0	0	0	0	N	0.0
2-Jun-07	0	0	0	0	A	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.1
3-Jun-07	0	0	0	0	A	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.2
4-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0	0.0	0.1
5-Jun-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
6-Jun-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	0.1
7-Jun-07	0	0	0	0	A	1	2	3	4	3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0.7	3.9
8-Jun-07	0	0	0	0	A	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.3
9-Jun-07	0	0	0	0	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
10-Jun-07	0	0	0	0	A	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
11-Jun-07	0	0	0	0	A	1	2	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.6	
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.1	
13-Jun-07	0	0	0	0	0	0	2	A	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.4
14-Jun-07	0	0	0	0	0	0	0	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.9
15-Jun-07	0	0	0	0	A	1	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2.4
16-Jun-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	0.1
17-Jun-07	0	0	0	0	A	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.3
18-Jun-07	0	0	0	0	A	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.7
19-Jun-07	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	0.1	1.2
20-Jun-07	0	0	0	0	A	3	4	1	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0.7	3.9
21-Jun-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	0.4
22-Jun-07	0	0	0	0	A	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.8
23-Jun-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
24-Jun-07	0	0	0	0	A	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.1
25-Jun-07	0	0	0	0	A	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.9
26-Jun-07	0	0	0	0	A	1	1	1	0	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.0
27-Jun-07	0	0	0	0	A	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.1
28-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.5
29-Jun-07	0	0	0	0	A	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.8
30-Jun-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	0.0



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

PASZA - Beaverlodge - Oxides of Nitrogen Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

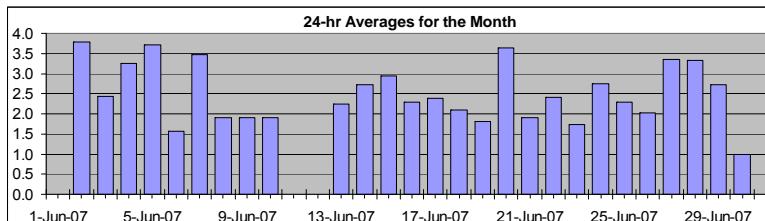
Guideline Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
Summary

Maximum 1-hr Average:	10.2	ppb	20-Jun	6:00 7:00
Maximum 24-hr Average:	3.8	ppb	2-Jun	

AIC Time:	30 hrs	Operational Time:	635 hrs						
Calibration Time:	9 hrs	AMD Operational Uptime:	93.6%						
Percentile	99	95	75	50	25	5	1	Average	Median
	8.6	6.0	3.3	2.0	1.1	0.8	0.6	2.5 ppb	2.0 ppb

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)



Status Flag Characters

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

Day	Mountain Standard Time																									24-hour Average	Daily Maximum
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
1-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	2	2	2	N	2.3
2-Jun-07	3	4	5	4	A	9	10	8	9	5	3	3	2	2	2	2	2	1	2	2	2	2	3	3	3.8	9.9	
3-Jun-07	2	3	4	4	A	4	9	6	5	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2.4	9.4	
4-Jun-07	2	2	3	3	A	3	3	4	4	3	3	C	C	A	2	2	3	4	4	4	4	4	5	5	3.3	5.2	
5-Jun-07	9	9	5	4	A	5	5	6	6	3	6	3	2	2	3	2	2	2	2	3	2	2	2	2	3.7	8.6	
6-Jun-07	2	2	1	1	A	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	4	3	3	1.6	3.9	
7-Jun-07	4	5	5	5	A	7	7	6	10	6	3	1	2	3	2	2	1	1	1	1	3	1	1	1	3.5	10.1	
8-Jun-07	2	1	1	1	A	3	4	3	3	4	4	1	1	1	1	1	1	1	1	1	2	3	1	1	1.9	4.4	
9-Jun-07	3	2	2	2	A	4	3	2	3	3	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1.9	4.0	
10-Jun-07	2	2	3	3	A	3	3	4	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1.9	4.4	
11-Jun-07	2	2	4	3	A	4	5	2	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.8		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.8		
13-Jun-07	2	1	2	2	2	3	6	A	5	2	3	1	1	1	1	1	1	1	1	2	2	3	4	3	2.2	6.1	
14-Jun-07	3	3	3	4	3	3	5	A	3	2	1	2	2	2	3	2	2	4	3	3	4	2	2	2	2.7	4.6	
15-Jun-07	3	3	2	6	A	4	4	6	4	5	2	2	2	1	2	2	2	2	2	2	2	4	5	2.9	6.2		
16-Jun-07	3	3	3	3	A	3	3	3	2	2	2	1	1	1	1	1	1	2	2	2	2	4	4	4	2.3	3.9	
17-Jun-07	5	2	3	4	A	5	5	5	4	3	2	1	2	2	1	1	1	1	1	1	2	2	2	2	2.4	5.4	
18-Jun-07	4	5	6	4	A	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2.1	6.5	
19-Jun-07	1	1	1	4	A	7	5	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1.8	7.2	
20-Jun-07	1	2	3	3	A	7	10	6	8	5	3	5	4	3	2	2	1	2	2	2	3	4	3	2	3.7	10.2	
21-Jun-07	2	3	4	4	A	4	5	3	2	1	1	1	1	1	1	1	1	1	1	1	3	1	2	1.9	4.8		
22-Jun-07	2	3	3	5	A	4	6	5	3	2	1	1	1	2	1	1	1	1	1	1	2	2	3	3	2.4	6.3	
23-Jun-07	2	3	3	2	A	4	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1.7	4.3	
24-Jun-07	4	3	3	3	A	6	7	4	3	1	1	1	1	1	1	2	2	4	2	3	4	4	4	2.7	6.9		
25-Jun-07	4	3	5	4	A	4	7	7	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2.3	6.8		
26-Jun-07	2	2	2	3	A	4	4	3	2	C	C	C	C	1	1	1	1	1	1	1	1	2	2	2	2.0	4.4	
27-Jun-07	2	2	2	2	A	7	8	6	4	5	4	3	2	2	1	1	1	2	2	2	3	4	6	6	3.3	8.1	
28-Jun-07	5	5	6	6	A	4	3	3	4	3	3	3	3	3	3	2	3	3	2	3	4	2	2	3.3	5.7		
29-Jun-07	2	3	5	4	A	3	5	5	3	3	2	1	1	2	3	3	2	2	3	1	1	1	1	2.7	5.2		
30-Jun-07	2	2	3	1	A	3	2	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1.0	2.9		

Hourly Avg	2.8	2.9	3.3	3.3	N	4.3	5.2	4.1	3.7	2.8	2.2	1.6	1.5	1.4	1.3	1.3	1.3	1.5	1.5	1.8	2.1	2.3	2.4	2.4
Hourly Max	8.5	8.6	6.5	6.2	3.1	9.4	10.2	7.7	10.1	6.3	6.2	5.2	4.0	2.9	3.0	2.9	3.3	4.5	3.8	4.1	3.9	4.5	6.2	6.0

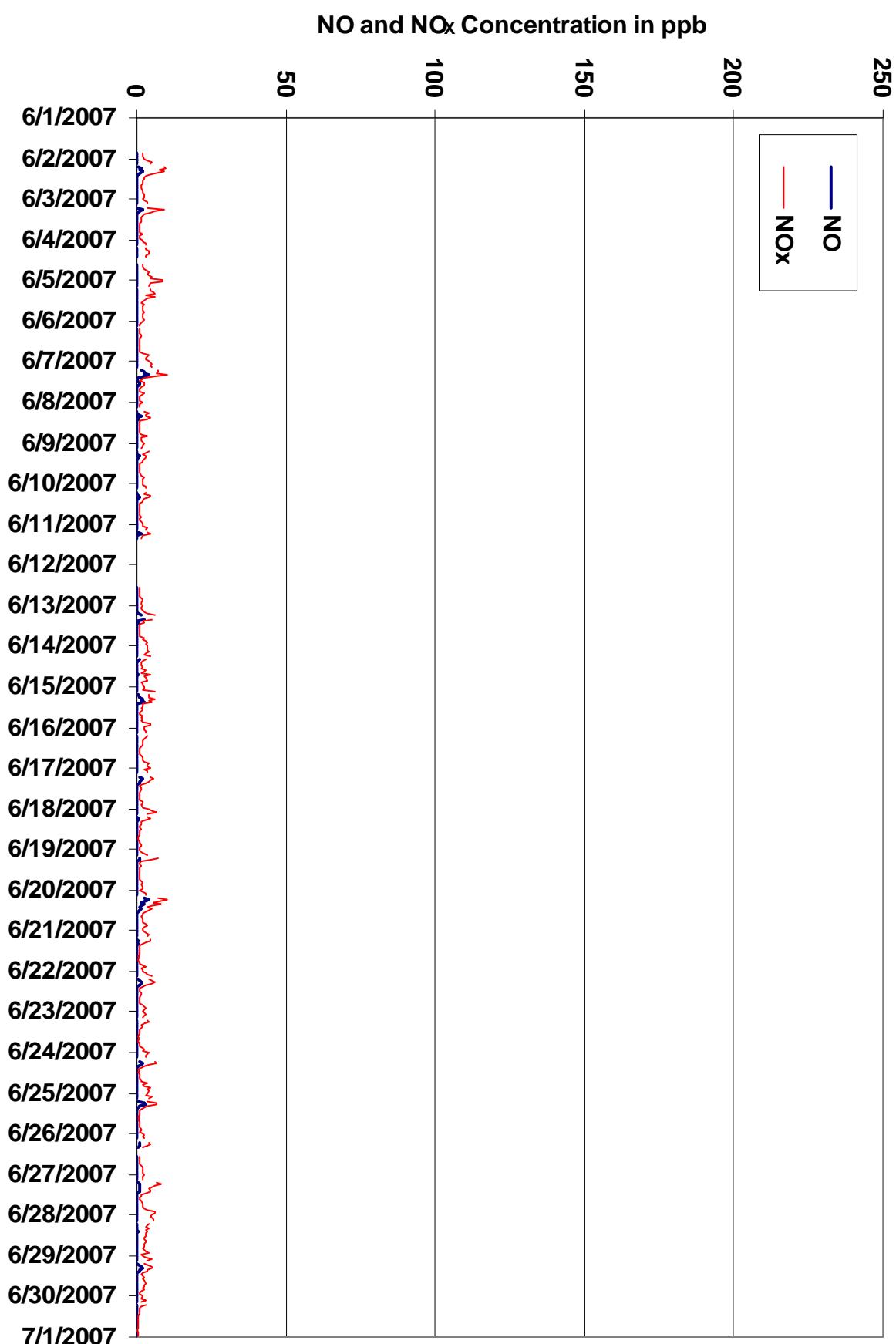


Figure 38. PASZA - Beaverlodge Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Beaverlodge
Station Owner: PASZA

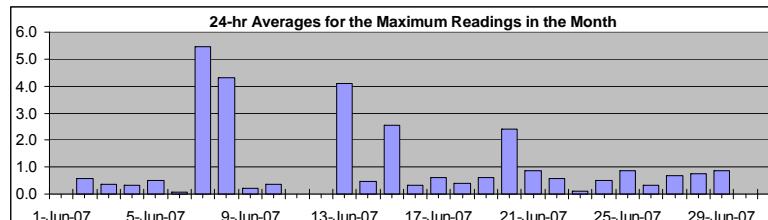
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value: 73.9 ppb 13-Jun 8:00 9:00
Maximum 24-hr Value: 5.5 ppb 7-Jun



AIC Time:	30 hrs				Operational Time:			635 hrs	
Calibration Time:	9 hrs				AMD Operational Uptime:			93.6%	
Percentile	99	95	75	50	25	5	1	Average	Median
	18.2	3.2	0.9	0.0	0.0	0.0	0.0	1.1 ppb	0.0 ppb

C	Calibration	A	AIC - Zero / Span Check
S	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			
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-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	0	0	0	N	0.0	0.0	
2-Jun-07	0	0	0	0	0	A	3	4	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.9	
3-Jun-07	0	0	0	0	0	A	0	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	4.9	
4-Jun-07	0	0	0	0	0	A	0	0	1	1	0	4	C	C	C	A	0	0	0	0	0	0	0	0	0.3	3.9		
5-Jun-07	1	1	0	0	A	0	1	1	1	0	1	1	0	0	1	0	1	0	0	3	0	0	0	0	0.5	2.9		
6-Jun-07	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0.1	1.0		
7-Jun-07	0	0	0	0	A	2	4	16	43	19	1	0	23	10	7	0	0	0	0	0	1	0	0	0	0	5.5	42.7	
8-Jun-07	0	0	0	0	A	1	1	4	64	1	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.3	64.1	
9-Jun-07	0	0	0	0	A	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.0	
10-Jun-07	0	0	0	0	A	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	2.9	
11-Jun-07	0	0	0	0	A	2	5	1	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.9		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.0		
13-Jun-07	1	0	0	0	0	2	3	A	74	1	11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4.1	73.9	
14-Jun-07	0	0	0	0	0	0	0	A	2	1	2	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0.5	1.9	
15-Jun-07	0	1	1	1	A	2	1	3	3	40	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	2.6	40.2	
16-Jun-07	0	0	1	0	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.2	
17-Jun-07	1	0	0	1	A	2	3	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.9	
18-Jun-07	0	0	0	0	A	0	2	1	1	2	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0.4	2.1	
19-Jun-07	0	0	0	0	A	3	3	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.9	
20-Jun-07	0	0	0	0	A	17	8	2	14	3	1	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0	2.4	17.0
21-Jun-07	0	0	0	0	A	0	15	1	1	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0.9	14.6	
22-Jun-07	0	0	0	0	A	1	3	5	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.6	4.9	
23-Jun-07	0	0	0	0	A	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.1	1.0	
24-Jun-07	0	0	0	0	A	2	3	2	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.5	3.0	
25-Jun-07	0	1	0	0	A	2	4	4	2	1	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0.9	4.0	
26-Jun-07	0	0	0	0	A	1	2	2	1	C	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.0	
27-Jun-07	0	0	0	0	A	2	2	2	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0.7	2.2	
28-Jun-07	0	1	1	1	A	1	1	1	1	1	1	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0.7	4.0	
29-Jun-07	0	0	0	0	A	2	6	5	1	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.9	5.9	
30-Jun-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	0.1	
Hourly Avg	0.2	0.1	0.1	0.1	N	1.7	2.8	2.4	8.0	3.2	2.4	0.6	1.3	0.5	0.5	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1		
Hourly Max	1.0	1.0	1.2	1.0	0.1	17.0	14.6	16.3	73.9	40.2	27.3	5.1	23.2	9.5	6.7	1.0	1.0	1.0	1.0	2.9	1.0	0.4	0.3	1.0	0.0	1.0		

Station: Beaverlodge
Station Owner: PASZA

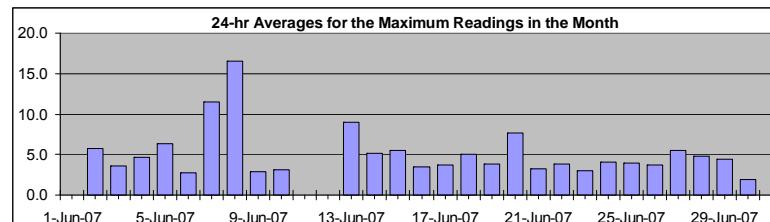
Monitoring Dates: June 1, 2007 to July 1, 2007

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

Summary

Maximum 1-hr Value:	155.7 ppb	8-Jun 9:00 10:00
Maximum 24-hr Value:	16.6 ppb	8-Jun



AIC Time:	30 hrs	Operational Time:	635 hrs						
Calibration Time:	9 hrs	AMD Operational Uptime:	93.6%						
Percentile	99 39.8	95 11.1	75 5.0	50 3.0	25 2.0	5 1.0	1 0.9	Average 5.1 ppb	Median 3.0 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

	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Maximum
Hour Start	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
1-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	A	2	3	8	N	7.6
2-Jun-07	4	8	9	7	A	18	18	10	12	8	4	4	3	2	2	2	2	2	2	4	3	3	3	4	5.7	17.7
3-Jun-07	3	4	5	5	A	5	15	8	7	3	2	2	2	2	4	1	1	2	2	2	2	3	2	2	3.6	14.7
4-Jun-07	3	3	3	3	A	3	4	5	5	4	4	C	C	C	A	2	3	3	6	7	5	7	9	10	4.6	9.7
5-Jun-07	16	17	7	5	A	8	9	10	13	4	15	5	3	3	4	3	3	3	3	6	2	2	3	3	6.4	17.0
6-Jun-07	2	2	2	2	A	1	2	2	2	3	2	2	1	2	1	1	1	1	2	5	13	6	5	4	2.7	13.0
7-Jun-07	6	6	5	6	A	8	10	45	77	27	5	2	12	17	10	3	2	2	2	7	3	3	2	4	11.5	76.9
8-Jun-07	4	2	2	2	A	7	8	6	46	156	114	2	2	1	2	2	2	2	2	10	3	2	2	2	16.6	155.7
9-Jun-07	5	3	2	3	A	7	5	3	4	4	3	2	2	2	2	1	2	2	2	2	4	4	2	2	2.9	7.0
10-Jun-07	2	3	5	4	A	15	5	5	6	3	2	3	1	1	1	1	1	1	1	2	3	2	1	3	3.1	15.3
11-Jun-07	2	5	5	3	A	6	11	2	3	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	10.9	
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	3	2	2	2	1	2	3	4	3	3	N	4.4
13-Jun-07	8	2	2	3	3	6	9	A	83	3	42	3	3	1	1	2	2	3	3	5	5	7	5	5	8.9	82.8
14-Jun-07	5	6	5	6	6	6	8	A	5	5	2	2	2	3	6	4	10	10	6	5	6	3	6	4	5.2	10.0
15-Jun-07	5	4	3	9	A	8	5	9	8	29	6	2	5	2	2	3	2	3	2	3	2	4	6	7	5.6	29.0
16-Jun-07	4	4	6	8	A	5	4	4	3	3	2	2	1	1	2	1	1	3	3	3	3	6	5	6	3.5	8.0
17-Jun-07	7	4	7	5	A	6	7	9	4	4	3	2	5	3	3	1	2	1	1	2	3	3	2	4	3.8	8.5
18-Jun-07	8	9	17	7	A	4	7	5	3	30	1	1	3	2	2	1	2	1	3	2	2	3	2	2	5.1	30.0
19-Jun-07	3	2	3	8	A	15	8	3	3	5	10	1	2	2	2	2	2	2	2	3	2	3	5	3	3.9	15.0
20-Jun-07	2	4	5	8	A	27	16	9	36	8	4	11	8	5	3	2	2	3	3	3	5	7	4	3	7.7	35.7
21-Jun-07	2	6	5	5	A	6	8	7	4	2	2	1	2	2	3	2	1	1	2	3	2	6	2	2	3.2	7.9
22-Jun-07	3	4	5	7	A	6	10	11	4	4	2	1	2	3	4	2	2	1	1	2	4	5	4	4	3.9	10.5
23-Jun-07	3	5	4	5	A	6	5	5	4	4	2	1	1	2	2	1	2	2	2	2	3	4	3	3	3.0	5.9
24-Jun-07	5	5	4	8	A	9	9	6	4	2	1	1	1	1	2	3	3	7	3	4	7	5	5	4.1	8.9	
25-Jun-07	4	6	7	6	A	8	9	8	5	2	7	1	2	2	1	2	2	3	3	3	2	4	3	2	3.9	8.9
26-Jun-07	5	4	4	4	A	6	6	5	14	C	C	C	C	4	1	1	1	1	3	4	3	3	3	3.8	13.5	
27-Jun-07	3	2	2	3	A	12	12	9	6	5	5	4	4	9	1	2	5	4	3	5	4	6	12	10	5.5	12.0
28-Jun-07	7	10	7	7	A	5	6	4	7	4	4	6	4	3	4	3	4	3	3	3	5	5	4	4.8	10.0	
29-Jun-07	2	5	6	7	A	6	11	10	4	5	3	2	3	3	4	6	7	3	3	3	4	3	1	4.5	10.9	
30-Jun-07	3	3	7	3	A	5	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.9	6.6

Hourly Avg	4.4	4.9	5.1	5.3	N	8.0	8.2	7.7	13.2	12.6	9.5	2.5	2.9	3.0	2.6	1.9	2.4	2.3	1.9	2.6	3.2	3.8	4.1	3.8	4.0
Hourly Max	16.0	17.0	17.0	8.9	6.0	27.0	17.7	45.0	82.8	155.7	114.3	11.3	12.4	17.2	10.4	6.0	9.5	10.0	7.0	7.0	13.0	7.2	12.0	10.0	

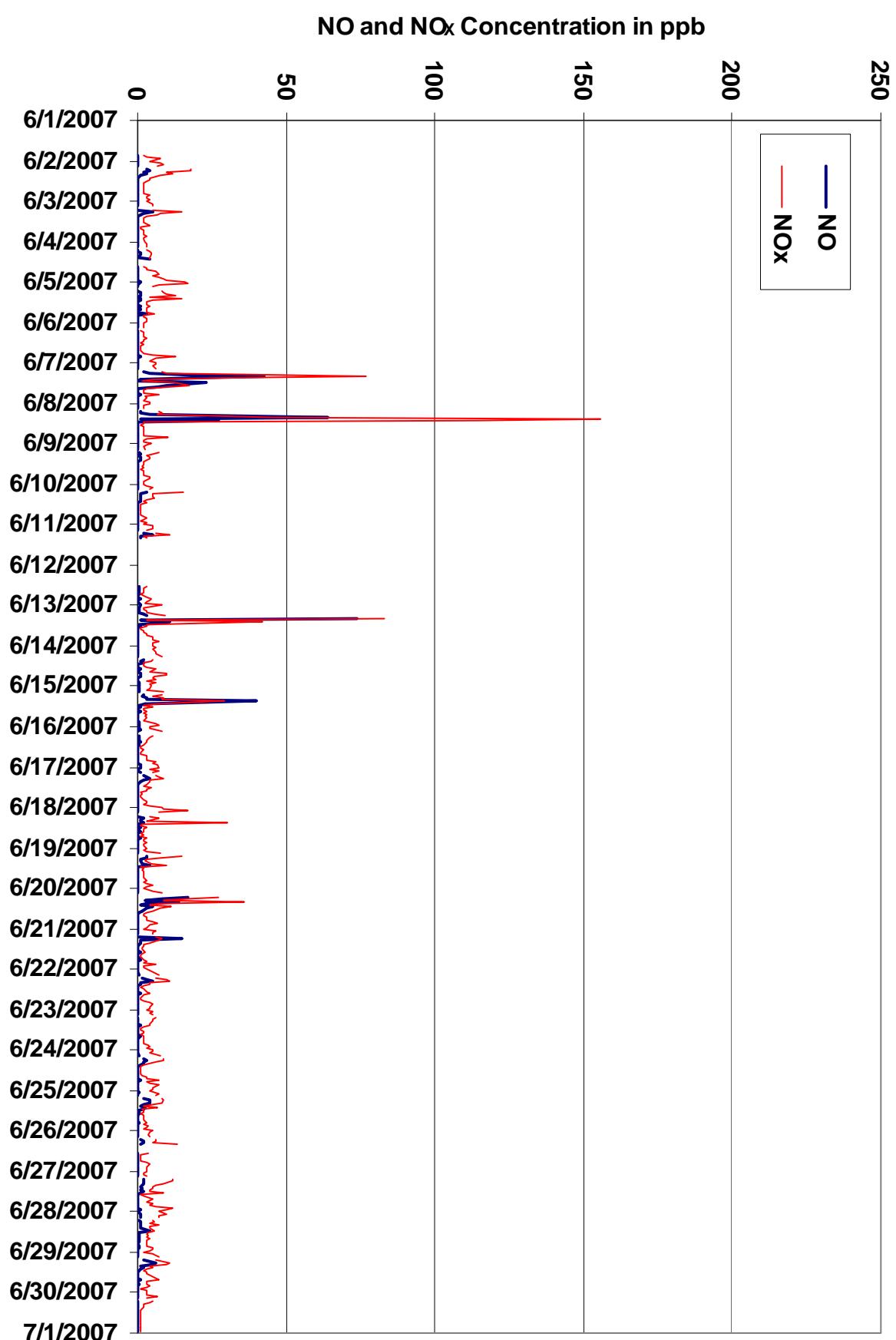


Figure 39. PASZA - Beaverlodge Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Beaverlodge - Ozone Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

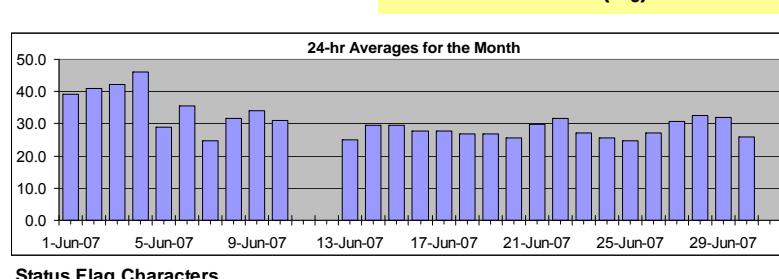
Objective Limit: Alberta Environment: 1-hr 82 ppb 24-hr na ppb

Summary

Number of 1-hr Exceedances:	0
Maximum 1-hr Average:	61.5 ppb 4-Jun 15:00 16:00
Maximum 24-hr Average:	46.0 ppb 4-Jun

AIC Time:	30 hrs	Operational Time:	656 hrs						
Calibration Time:	6 hrs	AMD Operational Uptime:	96.1%						
Percentile	99	95	75	50	25	5	1	Average	Median
	57.5	48.1	35.9	29.9	25.0	16.4	11.5	30.5 ppb	29.9 ppb

Day	Mountain Standard Time												24-hour Daily Maximum													
	Hour Start 0:00 1:00	1:00 2:00 3:00	2:00 3:00 4:00	3:00 4:00 5:00	4:00 5:00 6:00	5:00 6:00 7:00	6:00 7:00 8:00	7:00 8:00 9:00	8:00 9:00 10:00	9:00 10:00 11:00	10:00 11:00 12:00	11:00 12:00 13:00	12:00 13:00 14:00	13:00 14:00 15:00	14:00 15:00 16:00	15:00 16:00 17:00	16:00 17:00 18:00	17:00 18:00 19:00	18:00 19:00 20:00	19:00 20:00 21:00	20:00 21:00 22:00	21:00 22:00 23:00	22:00 23:00 24:00	23:00 24:00 0:00		
1-Jun-07	31	29	21	27	A	13	14	26	31	38	45	49	50	51	56	58	54	53	49	44	42	40	40	42	39.2	57.5
2-Jun-07	39	32	28	29	A	18	15	20	28	41	49	54	55	54	54	55	55	55	51	45	40	43	42	42	40.9	55.2
3-Jun-07	43	39	36	35	A	29	19	27	40	51	50	50	50	49	48	48	48	48	47	46	43	41	40	39	42.0	51.1
4-Jun-07	36	36	35	35	A	34	34	34	40	45	51	56	58	59	61	62	59	61	57	44	44	43	38	36	46.0	61.5
5-Jun-07	28	25	30	32	A	27	25	21	22	24	20	24	C	C	C	C	A	28	30	32	40	40	39	32	28.9	40.5
6-Jun-07	29	28	28	30	A	36	36	35	31	32	34	38	41	41	42	43	44	44	44	41	32	29	29	32	35.6	44.3
7-Jun-07	27	21	19	15	A	11	11	12	17	23	33	39	38	35	34	31	28	26	24	27	23	22	23	23	24.6	39.4
8-Jun-07	24	26	26	28	A	26	26	28	31	30	30	33	34	36	36	36	37	36	35	32	38	37	34	31.7	38.2	
9-Jun-07	31	32	32	31	A	26	25	27	28	31	36	40	40	40	39	39	37	35	31	33	36	36	36	34.0	40.5	
10-Jun-07	34	32	30	27	A	21	17	20	23	28	32	34	37	36	36	36	37	37	37	36	34	33	32	29	31.2	37.5
11-Jun-07	26	26	16	19	A	14	14	22	26	P	P	P	P	P	P	P	P	P	P	P	P	P	N	26.0		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	27.8	
13-Jun-07	20	22	18	17	17	15	17	A	24	27	28	30	30	30	30	33	32	33	29	26	24	22	22	25.1	32.7	
14-Jun-07	20	19	19	18	18	20	16	A	22	25	30	31	34	39	39	39	41	34	39	36	32	36	37	29.4	41.2	
15-Jun-07	32	21	24	10	A	14	17	16	22	29	35	36	40	40	39	40	40	38	37	36	35	33	25	29.6	39.9	
16-Jun-07	27	26	24	26	A	24	22	22	25	28	31	32	32	34	33	34	34	31	28	29	28	25	22	23	27.8	34.4
17-Jun-07	19	23	17	12	A	9	10	16	17	25	34	36	35	36	39	38	37	37	35	36	31	29	32	27.6	38.6	
18-Jun-07	25	21	19	19	A	19	19	28	33	34	35	35	31	30	25	27	27	28	30	31	29	25	25	24	26.9	35.5
19-Jun-07	25	24	23	21	A	13	15	22	26	27	28	29	30	30	30	31	32	35	30	28	29	28	28	26.8	34.6	
20-Jun-07	27	25	22	20	A	15	7	15	15	17	24	23	28	32	35	37	37	36	33	33	28	26	26	25.6	37.5	
21-Jun-07	28	24	21	19	A	17	17	21	24	27	29	34	36	36	36	37	38	38	37	35	34	31	32	29.7	38.0	
22-Jun-07	30	28	26	17	A	21	19	23	27	28	32	34	34	34	41	43	41	40	41	40	33	33	29	31.5	43.4	
23-Jun-07	28	28	29	26	A	24	22	26	30	27	28	28	29	29	29	29	30	30	31	28	26	24	22	27.2	30.9	
24-Jun-07	20	19	19	18	A	14	16	19	23	25	29	31	31	32	32	32	31	31	28	30	29	24	28	27	25.7	32.5
25-Jun-07	27	21	14	14	A	15	11	13	19	25	28	30	31	31	30	30	30	30	29	29	32	28	26	26	24.6	31.6
26-Jun-07	25	23	22	16	A	13	17	19	24	29	31	30	30	C	C	32	32	33	33	34	33	30	31	30	27.0	33.7
27-Jun-07	31	31	28	26	A	17	16	22	25	28	31	37	38	40	39	41	41	38	37	36	34	29	21	30.7	40.8	
28-Jun-07	22	26	16	17	A	25	28	34	31	31	31	35	37	42	43	44	41	40	39	33	35	35	30	33	32.5	43.9
29-Jun-07	29	27	20	22	A	21	16	18	26	29	36	40	45	46	40	42	38	32	33	33	35	36	33	31.8	45.9	
30-Jun-07	30	28	25	29	A	18	19	23	26	26	27	27	26	26	26	26	26	26	27	28	27	27	26	25.8	29.6	



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

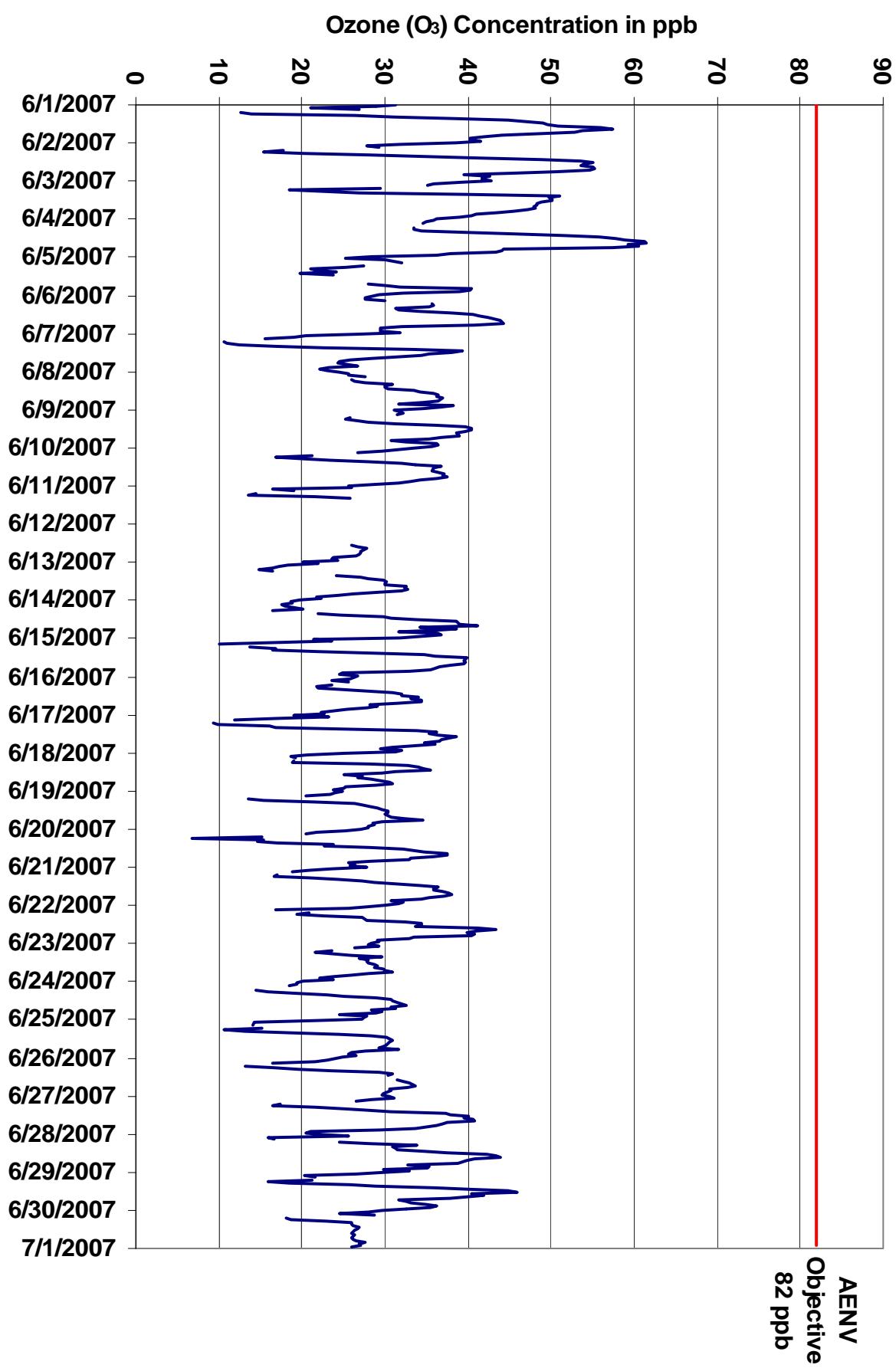


Figure 40. PASZA - Beaverlodge Ozone 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

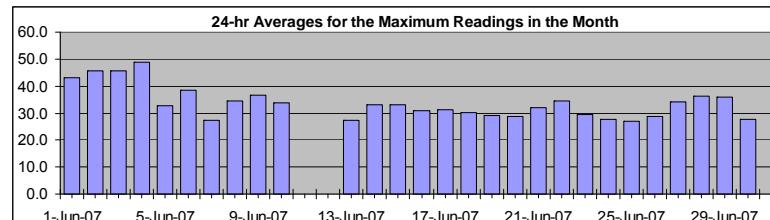
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	65.4 ppb	4-Jun 18:00 19:00
Maximum 24-hr Value:	49.0 ppb	4-Jun



AIC Time:	30 hrs	Operational Time:	656 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	96.1%
Percentile	99 95 75 50 25 5 1	Average	Median
	59.9 50.3 38.6 32.4 27.6 20.0 15.4	33.5 ppb	32.4 ppb

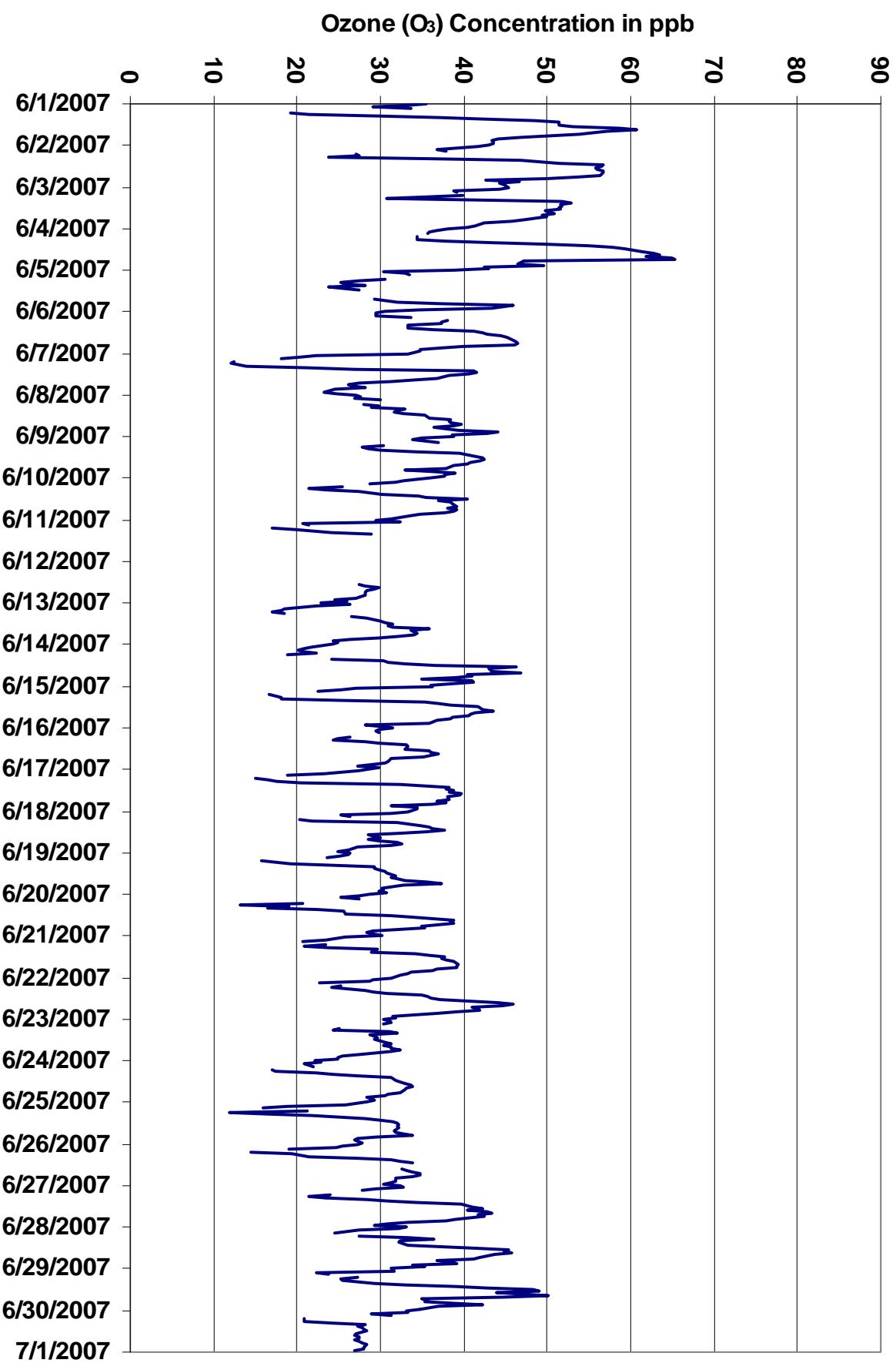
Status Flag Characters

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

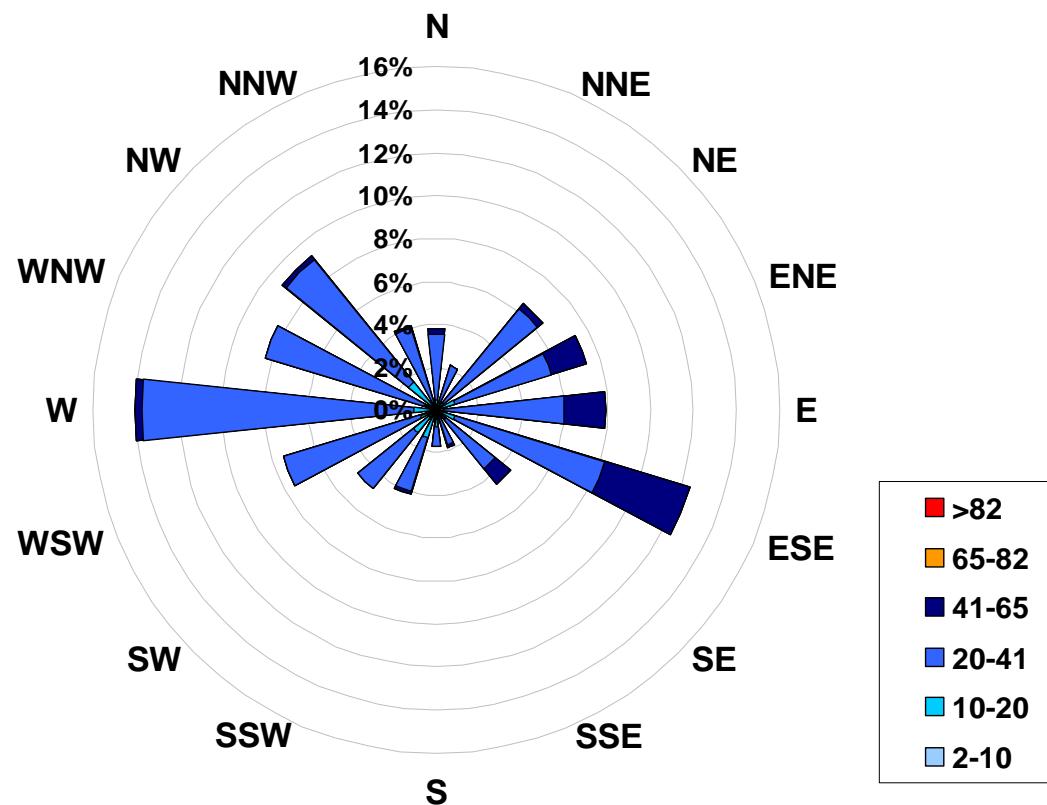
Day Mountain Standard Time

	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-Jun-07	36	33	29	34	A	19	21	30	37	43	49	51	51	53	59	61	57	55	54	47	44	43	43	44	43.2	60.7	
2-Jun-07	43	42	37	38	A	27	27	24	37	47	51	57	57	56	56	57	57	56	54	50	43	47	44	45	45.6	56.7	
3-Jun-07	45	44	39	39	A	40	36	31	52	53	52	52	51	52	50	51	49	50	49	47	46	42	41	40	45.7	52.9	
4-Jun-07	38	37	36	36	A	34	34	38	44	50	55	58	59	62	63	63	62	65	65	47	46	49	42	43	49.0	65.4	
5-Jun-07	39	30	33	33	A	31	27	25	26	28	24	27	C	C	C	C	A	29	32	37	46	45	43	35	32.8	45.9	
6-Jun-07	31	30	29	34	A	38	37	37	33	33	36	41	42	43	44	45	46	46	46	40	37	35	35	38.5	46.5		
7-Jun-07	33	22	20	18	A	12	12	14	21	27	41	42	41	38	37	34	31	27	26	27	28	25	23	25	27.2	41.6	
8-Jun-07	27	28	27	30	A	28	30	29	33	32	32	33	35	36	38	38	38	40	39	36	39	44	43	39	34.5	44.0	
9-Jun-07	39	35	34	37	A	30	28	28	30	34	40	41	42	42	42	41	40	39	38	33	36	39	38	38	36.7	42.5	
10-Jun-07	36	33	32	29	A	25	21	23	27	30	35	35	40	37	38	39	39	38	39	39	38	35	33	31	33.6	40.4	
11-Jun-07	29	32	21	21	A	17	20	24	29	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	32.4		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	29.9		
13-Jun-07	23	26	22	19	18	17	18	A	26	28	30	31	31	31	31	36	34	34	32	30	26	24	25	27.3	35.9		
14-Jun-07	24	22	21	20	21	22	19	A	24	30	31	33	37	46	43	43	47	40	41	39	35	41	41	36	32.9	46.8	
15-Jun-07	36	27	25	23	A	17	18	18	25	35	37	38	42	42	44	41	41	41	41	39	38	37	36	28	30	32.9	43.5
16-Jun-07	31	30	29	30	A	26	25	24	28	30	33	33	33	36	36	37	36	35	31	31	31	29	27	30	31.0	36.9	
17-Jun-07	29	27	23	19	A	15	16	18	20	32	38	38	39	38	40	39	38	38	37	38	36	31	34	34	31.3	39.7	
18-Jun-07	33	31	25	26	A	20	22	32	35	36	36	38	35	32	29	30	29	30	32	33	31	27	26	25	30.2	37.7	
19-Jun-07	26	26	25	24	A	16	19	24	29	29	30	31	31	32	31	32	33	36	37	33	31	30	30	31	28.9	37.3	
20-Jun-07	29	27	25	27	A	21	13	19	16	22	26	26	31	34	36	39	38	39	35	35	32	29	28	29	28.6	38.9	
21-Jun-07	30	26	23	21	A	23	21	24	30	29	34	36	38	37	38	39	39	39	39	37	36	34	33	32	32.1	39.3	
22-Jun-07	31	29	29	23	A	25	24	28	29	31	35	36	36	37	44	46	45	41	42	42	39	37	32	32	34.4	45.9	
23-Jun-07	30	31	31	30	A	25	24	31	32	29	29	30	29	31	31	30	31	31	32	31	27	25	25	25	29.3	32.3	
24-Jun-07	22	23	21	22	A	17	17	22	24	27	31	32	32	33	34	34	33	33	32	31	31	28	29	29	27.7	33.9	
25-Jun-07	28	26	19	16	A	21	12	16	22	28	30	31	32	32	32	32	32	32	33	34	30	27	27	28	26.9	33.8	
26-Jun-07	27	26	25	19	A	14	19	21	27	31	32	34	C	C	33	33	34	35	35	34	32	31	30	30	28.8	34.8	
27-Jun-07	32	33	29	28	A	24	21	23	28	31	34	40	41	42	40	43	43	42	42	42	39	38	33	31	34.3	43.3	
28-Jun-07	33	32	27	25	A	27	33	36	32	32	33	37	42	45	45	46	44	42	41	37	39	39	34	35	36.4	45.8	
29-Jun-07	31	32	22	24	A	27	25	25	29	33	39	43	48	49	44	50	45	35	36	35	39	42	37	35	35.9	50.1	
30-Jun-07	33	33	29	31	A	21	21	24	28	27	28	28	27	27	27	27	27	27	28	28	28	28	27	27	27.6	33.2	

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 June 2007**



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	<	10	3
10	to	20	76
20	to	41	509
41	to	65	68
65	to	82	0
> 82			0
Total Non-Zero Values			656

PASZA - Beaverlodge - Ozone Eight Hour Average Summary

Station: Beaverlodge
Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

Ozone (O₃)

Monitoring Dates: June 1, 2007 to July 1, 2007

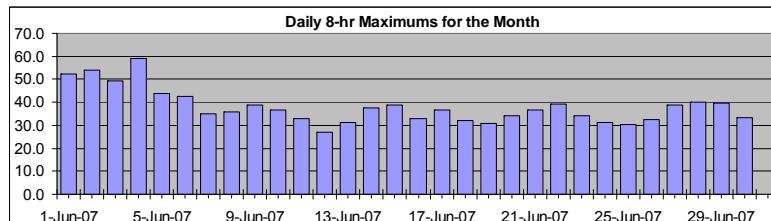
Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:

0

Maximum 8-hr Average: 59.1 ppb 4-Jun 18:00 19:00



Status Flag Characters

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

Day Mountain Standard Time

	Hour Start 1:00	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	Daily Maximum
1-Jun-07	41	39	36	34	33	29	25	23	23	24	28	31	33	38	43	47	50	52	52	52	51	49	47	45	52.3		
2-Jun-07	43	41	38	36	36	32	29	26	24	26	29	32	35	40	44	49	52	54	54	53	51	50	48	46	54.0		
3-Jun-07	45	43	41	40	40	38	35	33	32	34	36	38	39	42	46	48	49	49	49	48	47	46	45	44	49.3		
4-Jun-07	43	41	40	38	37	36	35	35	35	37	39	42	44	47	51	54	56	58	59	58	56	54	51	48	59.1		
5-Jun-07	44	40	36	35	33	31	29	27	26	26	24	23	23	N	N	N	N	N	N	N	N	N	N	N	35		
6-Jun-07	34	34	33	32	32	31	32	32	32	33	35	35	36	37	38	39	41	42	43	42	40	38	37	42.6			
7-Jun-07	35	32	29	26	25	22	19	17	15	15	17	21	23	26	29	31	33	33	32	30	29	27	26	25	34.8		
8-Jun-07	24	24	24	25	25	25	26	26	27	28	28	29	29	30	32	33	33	34	35	35	36	36	36	36	35.9		
9-Jun-07	35	34	34	33	34	32	30	29	29	29	30	32	33	35	37	38	39	39	38	37	36	36	35	35	38.8		
10-Jun-07	35	34	33	33	33	31	28	26	24	24	24	25	26	28	31	33	34	36	36	37	36	36	35	34	36.6		
11-Jun-07	33	32	29	27	26	23	21	20	20	N	N	N	N	N	N	N	N	N	N	N	N	N	N	33.0			
12-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	27.0			
13-Jun-07	25	24	23	22	21	20	19	18	18	19	21	22	24	27	28	29	30	31	31	31	30	29	28	31.2			
14-Jun-07	26	24	23	21	20	20	19	18	19	20	21	23	25	28	31	32	35	36	37	38	37	37	36	37.5			
15-Jun-07	35	33	31	28	28	24	22	19	18	19	20	24	26	29	32	35	37	38	39	39	38	37	35	33	38.6		
16-Jun-07	32	30	29	27	26	25	25	24	24	24	25	26	27	28	30	31	32	33	32	32	30	29	28	32.8			
17-Jun-07	26	25	23	21	20	18	16	15	15	15	18	21	23	26	30	32	35	36	37	37	36	35	34	33	36.6		
18-Jun-07	32	30	28	26	25	24	22	21	22	24	27	29	29	31	31	31	30	30	29	29	28	28	27	27	32.0		
19-Jun-07	27	27	26	25	24	22	21	20	21	21	22	23	24	26	28	29	29	30	31	31	31	30	30	30	31.0		
20-Jun-07	30	29	27	26	26	24	21	19	17	16	16	16	18	20	24	26	29	32	33	34	34	33	32	31	34.0		
21-Jun-07	29	28	26	25	24	23	22	21	20	21	22	24	26	28	30	32	34	35	37	37	36	35	35	36	36.7		
22-Jun-07	34	32	31	29	28	26	25	23	23	23	24	26	27	29	32	34	36	38	39	39	39	38	38	36	39.4		
23-Jun-07	34	33	31	30	29	28	27	26	26	26	26	26	26	27	28	28	29	29	29	28	27	27	27	34.3			
24-Jun-07	26	24	23	22	21	20	19	18	19	19	19	21	22	24	26	28	29	30	31	31	31	30	29	29	31.1		
25-Jun-07	28	27	25	23	22	21	19	17	15	16	18	20	21	23	26	28	29	30	30	30	29	29	28	28	30.4		
26-Jun-07	28	27	26	24	23	22	20	19	19	20	21	23	23	N	N	N	N	N	N	32	32	32	32	32	32.4		
27-Jun-07	31	31	30	30	28	26	25	24	23	24	24	25	27	30	33	35	37	38	39	39	38	37	35	32	38.8		
28-Jun-07	30	28	26	23	22	21	22	24	25	26	28	31	32	34	36	37	38	39	40	40	39	37	36	36	40.1		
29-Jun-07	34	33	30	29	28	26	24	22	21	22	24	27	29	32	35	38	39	40	39	39	37	36	35	34	39.8		
30-Jun-07	33	33	32	31	31	28	26	24	24	24	24	24	24	25	26	26	26	26	26	26	26	27	27	27	33.3		

Hourly Max 44.9 43.0 41.1 39.8 39.9 38.0 35.4 34.7 35.2 36.6 39.0 42.0 44.0 47.1 50.6 54.0 56.4 58.3 59.1 57.6 55.9 54.0 51.1 47.9

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

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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

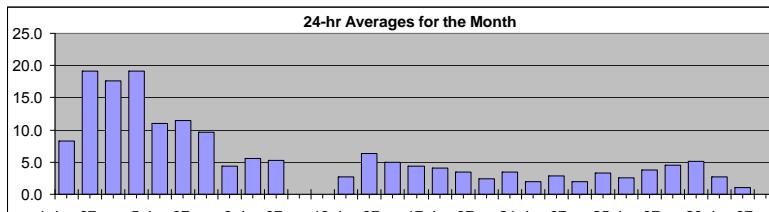
Number of 24-hr Exceedances (draft):	0
Maximum 1-hr Average:	72.5 $\mu\text{g}/\text{m}^3$ 3-Jun 6:00 7:00
Maximum 24-hr Value:	19.1 $\mu\text{g}/\text{m}^3$ 2-Jun

AIC Time:	0 hrs	Operational Time:	662 hrs							
Calibration Time:	6 hrs	AMD Operational Uptime:	92.8%							
Percentile	99	95	75	50	25	5	1	Average / Median	Geomean	
	36.3	18.1	8.3	4.1	1.9	0.0	0.0	6.2	4 $\mu\text{g}/\text{m}^3$	4.8 $\mu\text{g}/\text{m}^3$

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-Jun-07	5	6	8	8	8	9	10	1	14	10	7	5	5	5	9	8	6	9	8	13	13	10	11	10	8.4	14.4	
2-Jun-07	10	21	12	12	15	18	36	31	25	18	16	17	12	60	39	12	9	10	11	18	28	11	8	11	19.1	60.3	
3-Jun-07	11	11	14	12	11	13	73	38	21	9	7	7	11	9	8	27	42	21	15	15	12	15	12	13	17.7	72.5	
4-Jun-07	13	14	13	18	36	24	15	17	19	18	18	18	18	15	15	17	23	27	20	9	9	25	41	17	19.1	41.0	
5-Jun-07	12	14	12	12	8	7	10	11	8	4	3	7	2	5	5	7	12	12	11	P	16	24	28	23	10.9	28.1	
6-Jun-07	15	14	6	0	2	12	13	13	7	1	3	1	6	10	12	12	17	20	17	21	23	18	16	15	11.4	22.8	
7-Jun-07	15	15	13	10	12	11	10	11	8	2	2	14	21	16	16	12	7	8	10	2	4	2	4	9.6	21.1		
8-Jun-07	4	4	2	1	3	2	2	4	1	3	2	1	0	21	6	2	11	6	3	4	6	7	8	2	4.4	21.0	
9-Jun-07	9	8	5	3	4	4	5	0	6	0	0	5	2	6	2	1	3	3	15	10	10	15	9	7	5.5	14.9	
10-Jun-07	8	10	11	10	8	7	8	7	5	3	0	D	D	4	5	0	D	0	2	2	2	10	3	2	5.2	11.0	
11-Jun-07	5	0	2	1	0	2	1	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	5.0		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.3	
13-Jun-07	4	3	3	2	1	3	3	6	2	1	1	0	4	6	0	0	4	1	2	5	4	4	5	5	2.8	6.3	
14-Jun-07	6	4	3	4	5	4	6	7	3	2	2	2	0	11	18	14	4	5	13	13	16	1	1	5	6.3	17.8	
15-Jun-07	6	5	8	2	7	8	7	7	6	3	6	7	7	7	7	0	2	3	7	3	3	3	4	3	5.0	8.1	
16-Jun-07	5	5	5	4	4	2	5	4	2	2	2	5	5	2	5	3	3	12	7	3	5	4	6	4	4.4	12.0	
17-Jun-07	5	6	2	2	3	5	5	9	9	3	D	D	9	1	0	1	0	2	5	2	8	4	3	4	4.0	9.1	
18-Jun-07	7	8	9	6	5	6	6	4	0	0	0	3	7	3	D	0	0	0	1	2	2	1	3	3	3.4	8.6	
19-Jun-07	2	3	1	2	5	7	6	0	0	0	D	0	0	0	0	4	2	3	2	11	5	D	0	0	2.4	10.5	
20-Jun-07	5	3	2	2	5	4	6	5	5	6	0	3	D	4	3	0	2	1	3	1	10	4	3	2	3.4	9.5	
21-Jun-07	2	2	1	5	5	5	P	2	0	0	D	D	0	D	0	D	0	0	2	1	3	3	3	3	2.0	5.1	
22-Jun-07	4	3	3	4	3	2	3	3	2	0	D	0	5	6	0	1	4	0	0	0	6	5	3	9	2.9	9.0	
23-Jun-07	3	2	1	3	3	3	4	0	3	1	0	D	D	0	D	D	D	1	0	5	1	1	3	4	2.0	5.0	
24-Jun-07	3	3	1	2	0	0	3	2	7	0	D	D	D	1	2	1	9	13	4	3	3	7	4	3.4	13.2		
25-Jun-07	3	1	5	0	0	5	3	3	4	0	0	0	0	0	0	1	3	7	1	3	9	3	7	6	2.6	9.1	
26-Jun-07	4	3	5	2	7	1	3	1	5	C	C	C	C	C	C	0	0	0	0	3	7	13	6	7	3	3.7	13.1
27-Jun-07	3	3	2	2	4	4	4	7	8	5	9	12	9	5	0	1	6	4	2	3	5	4	4	3	4.5	12.4	
28-Jun-07	3	3	5	5	3	4	4	5	0	6	C	6	6	9	8	10	10	10	9	7	0	0	6	0	5.2	9.9	
29-Jun-07	1	3	5	4	3	6	5	6	1	3	3	2	2	3	2	0	2	0	2	4	1	1	2	4	2.7	6.4	
30-Jun-07	2	2	2	2	3	3	1	0	0	0	0	0	0	0	0	0	1	1	0	3	5	2	1	1.1	4.9		

HOURLY AVERAGE TABLE

Particulate Matter (PM_{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

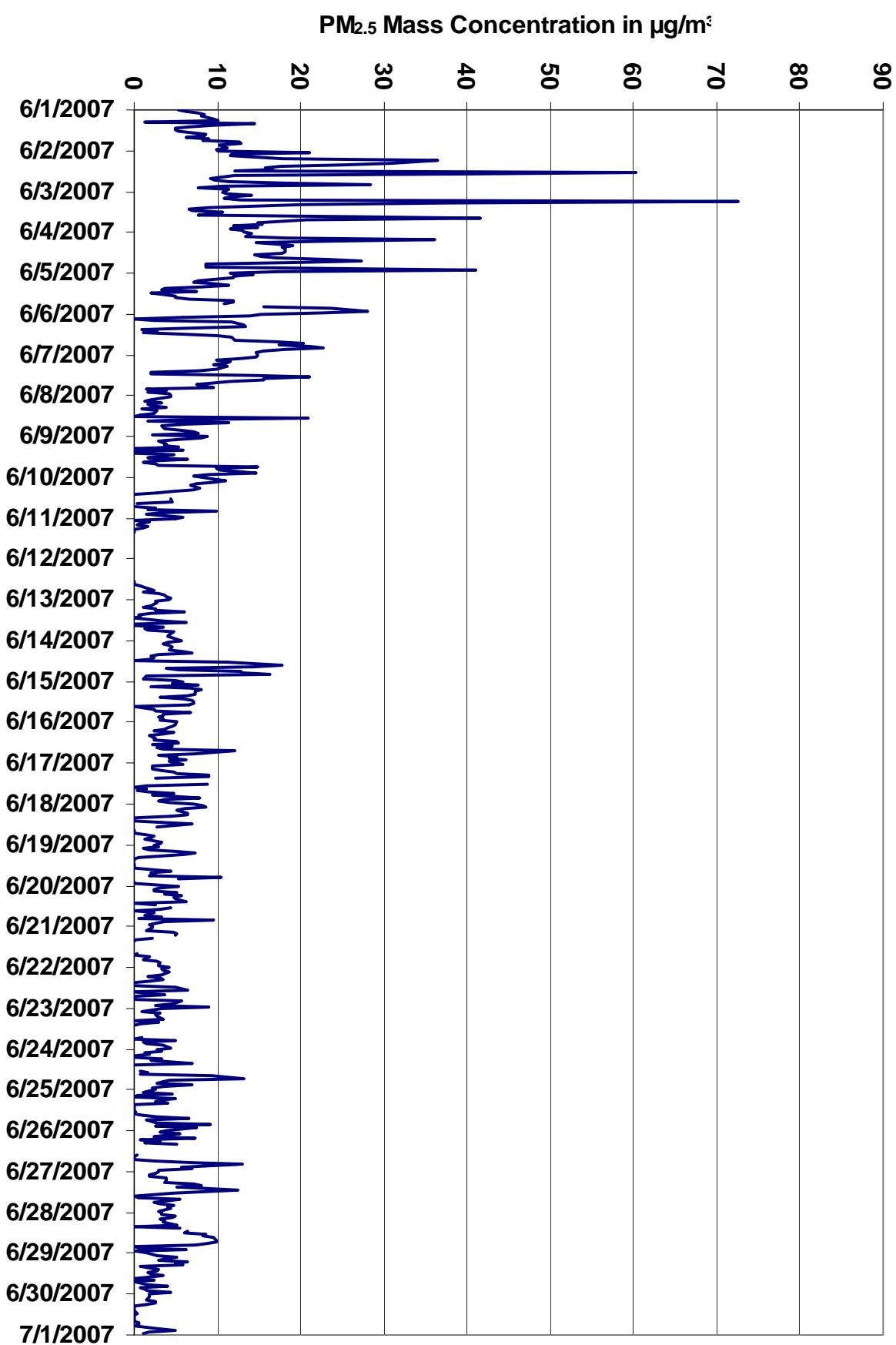


Figure 42. PASZA - Beaverlodge Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Beaverlodge
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter (PM_{2.5})

Monitoring Dates: June 1, 2007 to July 1, 2007

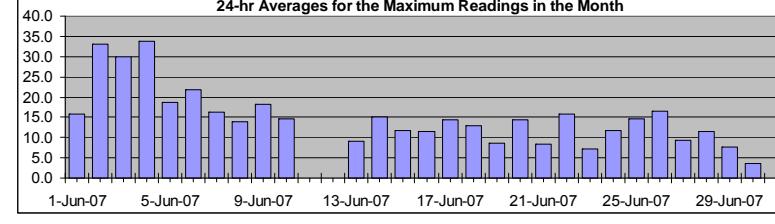
Summary

Maximum 1-hr Average:	143.3	µg/m ³	3-Jun	6:00 7:00
Maximum 24-hr Value:	33.8	µg/m ³	4-Jun	

AIC Time:	0 hrs	Operational Time:	662 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	92.8%
Percentile	99 95 75 50 25 5 1	Average / Median	Geomean
	67.6 38.2 18.1 11.1 7.3 3.9 2.1	14.9 11 µg/m ³	13.5 µg/m ³

Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum
1-Jun-07	9 1:00	8 2:00	12 3:00	11 4:00	14 5:00	12 6:00	16 7:00	23 8:00	48 9:00	16 10:00	11 11:00	20 12:00	11 13:00	12 14:00	11 15:00	14 16:00	13 17:00	16 18:00	21 19:00	20 20:00	22 21:00	13 22:00	13 23:00	15 24:00	15.8	48.2	
2-Jun-07	14 1:00	71 2:00	18 3:00	16 4:00	19 5:00	27 6:00	50 7:00	57 8:00	44 9:00	26 10:00	27 11:00	30 12:00	23 13:00	104 14:00	66 15:00	17 16:00	14 17:00	16 18:00	17 19:00	45 20:00	49 21:00	15 22:00	12 23:00	18 24:00	33.1	103.9	
3-Jun-07	14 1:00	18 2:00	17 3:00	14 4:00	13 5:00	17 6:00	143 7:00	48 8:00	38 9:00	15 10:00	12 11:00	13 12:00	19 13:00	16 14:00	15 15:00	90 16:00	70 17:00	40 18:00	19 19:00	18 20:00	15 21:00	21 22:00	17 23:00	17 24:00	30.0	143.3	
4-Jun-07	14 1:00	15 2:00	15 3:00	30 4:00	60 5:00	56 6:00	18 7:00	20 8:00	24 9:00	24 10:00	27 11:00	28 12:00	29 13:00	27 14:00	61 15:00	28 16:00	35 17:00	35 18:00	26 19:00	19 20:00	17 21:00	60 22:00	86 23:00	55 24:00	33.8	86.3	
5-Jun-07	22 1:00	25 2:00	15 3:00	15 4:00	10 5:00	10 6:00	14 7:00	15 8:00	13 9:00	8 10:00	6 11:00	18 12:00	18 13:00	28 14:00	22 15:00	14 16:00	18 17:00	19 18:00	15 19:00	P 20:00	24 21:00	30 22:00	39 23:00	31 24:00	18.6	39.1	
6-Jun-07	18 1:00	17 2:00	13 3:00	3 4:00	6 5:00	20 6:00	21 7:00	24 8:00	27 9:00	4 10:00	8 11:00	12 12:00	14 13:00	23 14:00	21 15:00	20 16:00	25 17:00	43 18:00	30 19:00	30 20:00	44 21:00	37 22:00	35 23:00	26 24:00	21.7	44.2	
7-Jun-07	18 1:00	17 2:00	15 3:00	12 4:00	15 5:00	16 6:00	12 7:00	17 8:00	21 9:00	21 10:00	12 11:00	9 12:00	28 13:00	32 14:00	24 15:00	20 16:00	18 17:00	14 18:00	20 19:00	21 20:00	6 21:00	6 22:00	6 23:00	9 24:00	16.2	32.4	
8-Jun-07	7 1:00	7 2:00	5 3:00	3 4:00	7 5:00	5 6:00	7 7:00	6 8:00	8 9:00	11 10:00	10 11:00	7 12:00	45 13:00	33 14:00	13 15:00	32 16:00	22 17:00	13 18:00	14 19:00	24 20:00	25 21:00	20 22:00	8 23:00	8 24:00	13.9	45.0	
9-Jun-07	17 1:00	16 2:00	7 3:00	9 4:00	7 5:00	11 6:00	11 7:00	7 8:00	9 9:00	8 10:00	5 11:00	19 12:00	21 13:00	16 14:00	15 15:00	15 16:00	12 17:00	14 18:00	72 19:00	43 20:00	20 21:00	54 22:00	19 23:00	10 24:00	18.2	72.0	
10-Jun-07	10 1:00	11 2:00	13 3:00	12 4:00	11 5:00	10 6:00	11 7:00	12 8:00	10 9:00	20 10:00	D 11:00	D 12:00	25 13:00	15 14:00	25 15:00	D 16:00	9 17:00	13 18:00	14 19:00	54 20:00	8 21:00	4 22:00	9 23:00	9 24:00	14.7	54.2	
11-Jun-07	11 1:00	8 2:00	8 3:00	3 4:00	3 5:00	6 6:00	7 7:00	5 8:00	P 9:00	P 10:00	P 11:00	P 12:00	P 13:00	P 14:00	P 15:00	P 16:00	P 17:00	P 18:00	P 19:00	P 20:00	P 21:00	P 22:00	P 23:00	P 24:00	N	10.6	
12-Jun-07	P 1:00	P 2:00	P 3:00	P 4:00	P 5:00	P 6:00	P 7:00	P 8:00	P 9:00	P 10:00	P 11:00	P 12:00	P 13:00	P 14:00	P 15:00	P 16:00	P 17:00	P 18:00	P 19:00	P 20:00	P 21:00	P 22:00	P 23:00	P 24:00	N	9.6	
13-Jun-07	6 1:00	4 2:00	4 3:00	4 4:00	3 5:00	7 6:00	8 7:00	12 8:00	12 9:00	5 10:00	9 11:00	15 12:00	5 13:00	24 14:00	9 15:00	10 16:00	12 17:00	8 18:00	6 19:00	12 20:00	7 21:00	7 22:00	8 23:00	8 24:00	9.2	26.5	
14-Jun-07	10 1:00	6 2:00	5 3:00	5 4:00	7 5:00	6 6:00	10 7:00	13 8:00	9 9:00	7 10:00	8 11:00	32 12:00	36 13:00	47 14:00	22 15:00	22 16:00	23 17:00	19 18:00	18 19:00	29 20:00	15 21:00	12 22:00	7 23:00	7 24:00	15.2	47.1	
15-Jun-07	8 1:00	10 2:00	14 3:00	10 4:00	12 5:00	12 6:00	10 7:00	12 8:00	12 9:00	18 10:00	17 11:00	15 12:00	18 13:00	15 14:00	20 15:00	10 16:00	10 17:00	14 18:00	11 19:00	8 20:00	9 21:00	6 22:00	5 23:00	11.6	19.6		
16-Jun-07	8 1:00	7 2:00	7 3:00	6 4:00	6 5:00	8 6:00	7 7:00	12 8:00	12 9:00	10 10:00	14 11:00	18 12:00	13 13:00	15 14:00	18 15:00	22 16:00	19 17:00	7 18:00	15 19:00	6 20:00	10 21:00	11 22:00	11 23:00	11.5	22.2		
17-Jun-07	11 1:00	12 2:00	9 3:00	6 4:00	9 5:00	12 6:00	20 7:00	24 8:00	18 9:00	11 10:00	D 11:00	D 12:00	23 13:00	11 14:00	16 15:00	17 16:00	22 17:00	15 18:00	10 19:00	10 20:00	21 21:00	9 22:00	9 23:00	16 24:00	14.4	24.1	
18-Jun-07	25 1:00	17 2:00	14 3:00	11 4:00	7 5:00	8 6:00	28 7:00	30 8:00	9 9:00	6 10:00	4 11:00	27 12:00	32 13:00	17 14:00	D 15:00	11 16:00	3 17:00	8 18:00	5 19:00	9 20:00	9 21:00	3 22:00	5 23:00	5 24:00	12.9	31.8	
19-Jun-07	5 1:00	5 2:00	4 3:00	5 4:00	9 5:00	11 6:00	8 7:00	4 8:00	6 9:00	6 10:00	D 11:00	6 12:00	7 13:00	5 14:00	6 15:00	22 16:00	6 17:00	7 18:00	7 19:00	22 20:00	8 21:00	8 22:00	5 23:00	8 24:00	8.7	23.2	
20-Jun-07	14 1:00	8 2:00	12 3:00	36 4:00	11 5:00	9 6:00	16 7:00	11 8:00	10 9:00	24 10:00	9 11:00	D 12:00	24 13:00	16 14:00	10 15:00	10 16:00	20 17:00	12 18:00	10 19:00	10 20:00	23 21:00	17 22:00	11 23:00	7 24:00	14.4	35.6	
21-Jun-07	7 1:00	6 2:00	5 3:00	11 4:00	8 5:00	P 6:00	11 7:00	11 8:00	D 9:00	11 10:00	D 11:00	D 12:00	10 13:00	10 14:00	D 15:00	14 16:00	5 17:00	11 18:00	5 19:00	7 20:00	7 21:00	7 22:00	7 23:00	8.5	13.8		
22-Jun-07	6 1:00	5 2:00	11 3:00	13 4:00	8 5:00	21 6:00	20 7:00	31 8:00	17 9:00	7 10:00	D 11:00	9 12:00	35 13:00	32 14:00	21 15:00	12 16:00	19 17:00	12 18:00	10 19:00	7 20:00	8 21:00	8 22:00	8 23:00	15.9	34.7		
23-Jun-07	9 1:00	7 2:00	4 3:00	6 4:00	5 5:00	9 6:00	5 7:00	8 8:00	10 9:00	6 10:00	6 11:00	D 12:00	6 13:00	D 14:00	D 15:00	D 16:00	12 17:00	7 18:00	13 19:00	4 20:00	5 21:00	8 22:00	7 23:00	7.1	13.3		
24-Jun-07	6 1:00	9 2:00	4 3:00	7 4:00	3 5:00	8 6:00	9 7:00	23 8:00	5 9:00	D 10:00	D 11:00	D 12:00	17 13:00	10 14:00	12 15:00	10 16:00	23 17:00	13 18:00	9 19:00	13 20:00	9 21:00	10 22:00	9 23:00	11.6	41.8		
25-Jun-07	8 1:00	4 2:00	8 3:00	5 4:00	12 5:00	20 6:00	6 7:00	9 8:00	10 9:00	8 10:00	12 11:00	9 12:00	14 13:00	14 14:00	29 15:00	17 16:00	23 17:00	28 18:00	22 19:00	25 20:00	23 21:00	11 22:00	18 23:00	16 24:00	14.7	29.1	
26-Jun-07	7 1:00	11 2:00	12 3:00	27 4:00	43 5:00	43 6:00	7 7:00	19 8:00	46 9:00	C 10:00	C 11:00	C 12:00	C 13:00	C 14:00	C 15:00	C 16:00	C 17:00	C 18:00	C 19:00	C 20:00	C 21:00	C 22:00	C 23:00	16.6	45.8		
27-Jun-07	6 1:00	5 2:00	3 3:00	6 4:00	7 5:00	6 6:00	7 7:00	18 8:00	13 9:00	11 10:00	14 11:00	21 12:00	15 13:00	9 14:00	6 15:00	9 16:00	11 17:00	7 18:00	11 19:00	8 20:00	7 21:00	6 22:00	6 23:00	9.3	21.1		
28-Jun-07	5 1:00	5 2:00	8 3:00	8 4:00	5 5:00	6 6:00	31 7:00	12 8:00	16 9:00	C 10:00	33 11:00	10 12:00	13 13:00	13 14:00	12 15:00	15 16:00	14 17:00	14 18:00	14 19:00	2 20:00	8 21:00	14 22:00	5 23:00	11.6	33.5		
29-Jun-07	4 1:00	6 2:00	9 3:00	6 4:00	5 5:00	10 6:00	9 7:00	8 8:00	7 9:00	6 10:00	6 11:00	10 12:00	1 13:00	1 14:00	4 15:00	3 16:00	7 17:00	7 18:00	8 19:00	7 20:00	12 21:00	11 22:00	4 23:00	7.6	12.2		
30-Jun-07	8 1:00	5 2:00	4 3:00	6 4:00	5 5:00	4 6:00	3 7:00	2 8:00	1 9:00	0 10:00	2 11:00	3 12:00	1 13:00	1 14:00	4 15:00	3 16:00	4 17:00	3 18:00	3 19:00	2 20:00	5 21:00	7 22:00	3 23:00	3.5	8.5		



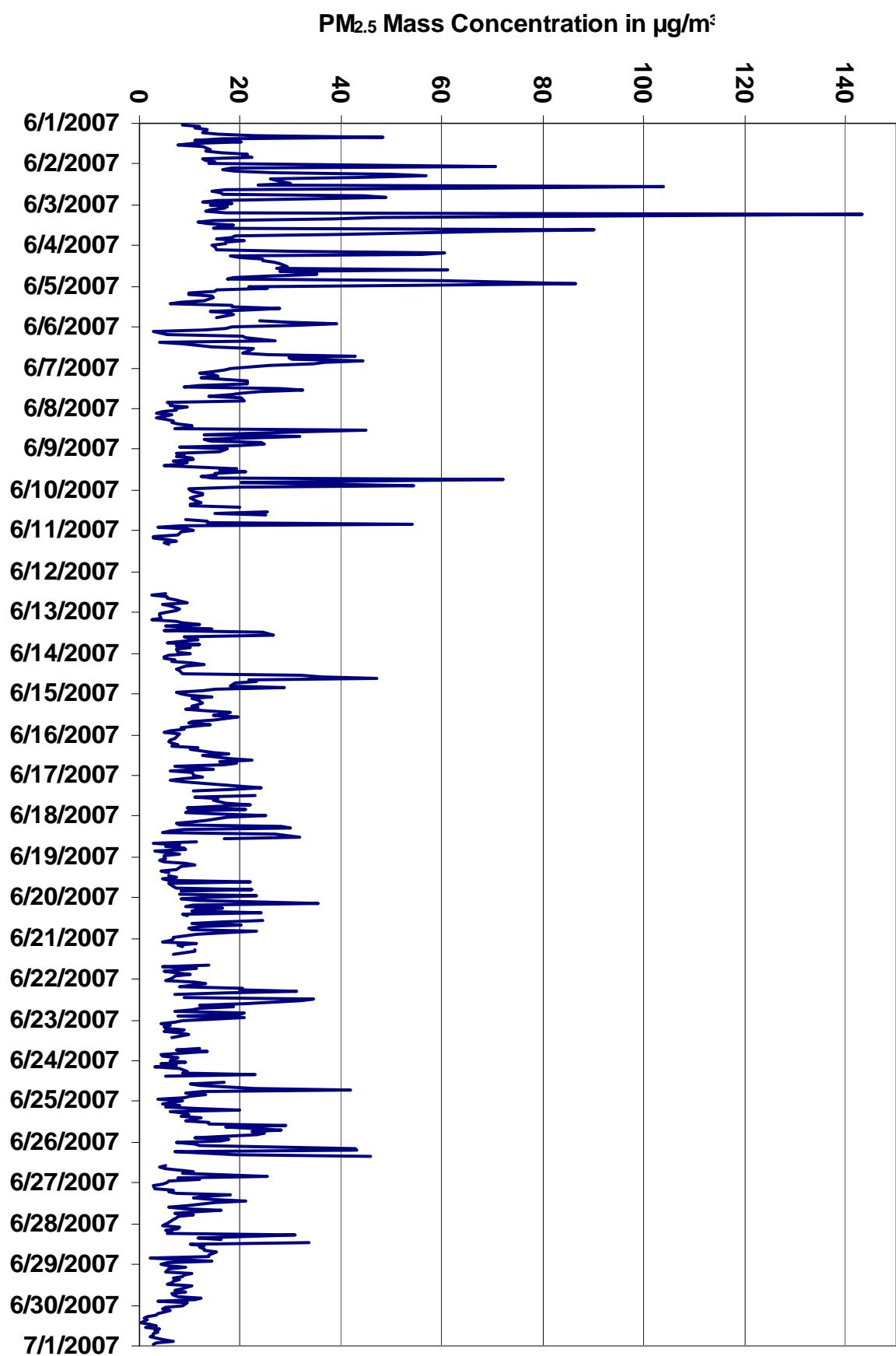
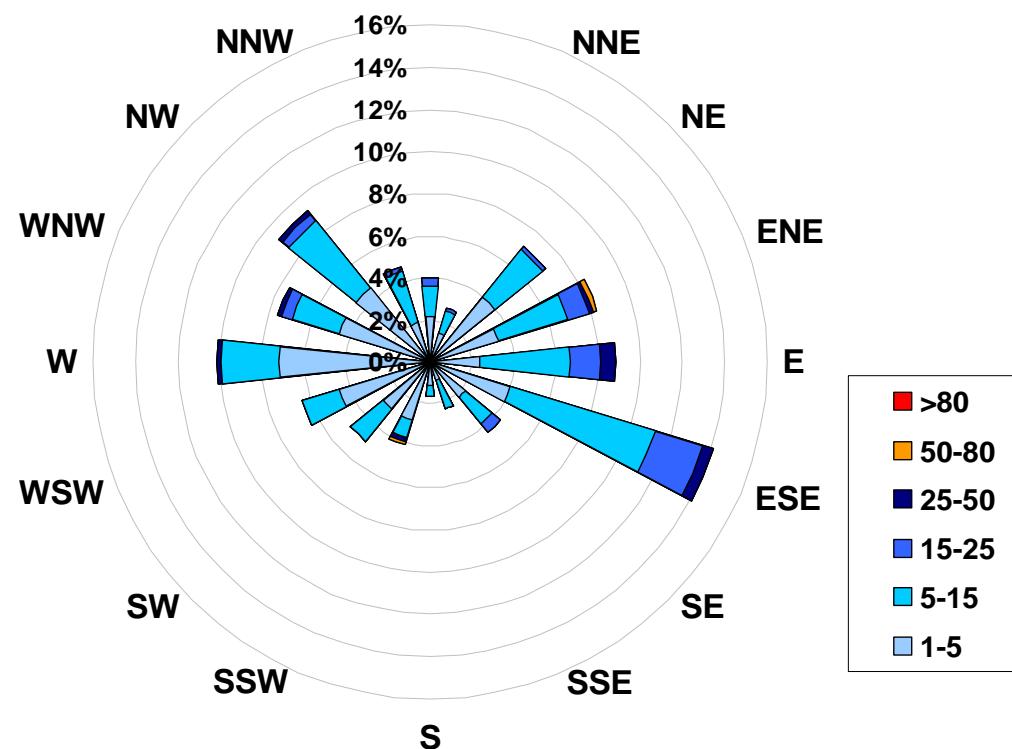


Figure 43. PASZA - Beaverton Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of PM _{2.5} in µg/m ³			
Range		Frequency (hrs)	
1.0	<	5	384
5	to	15	224
15	to	25	40
25	to	50	12
50	to	80	2
>	80	0	0
Total Non-Zero Values		662	

PASZA - Beaverlodge - Relative Humidity Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	95.6 %	21-Jun 4:00	5:00
Maximum 24-hr Value:	80.8 %	5-Jun	

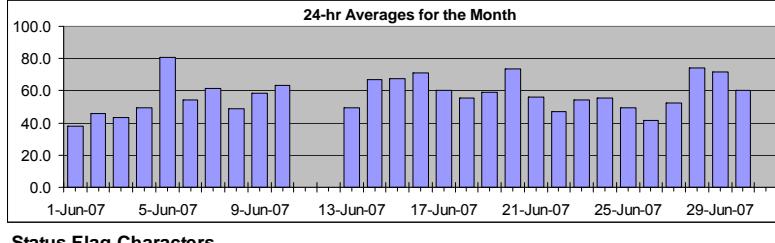
AIC Time:	0 hrs	Operational Time:	692 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	96.1%
Percentile	99	95	75
	94.0	89.9	73.6
Percentile	50	25	5
	57.2	40.4	27.7
Percentile	1		
	22.8		
		Average	
		57.4 %	
		Median	
		57.2 %	

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start 1:00	0:00 2:00	1:00 3:00	2:00 4:00	3:00 5:00	4:00 6:00	5:00 7:00	6:00 8:00	7:00 9:00	8:00 10:00	9:00 11:00	10:00 12:00	11:00 13:00	12:00 14:00	13:00 15:00	14:00 16:00	15:00 17:00	16:00 18:00	17:00 19:00	18:00 20:00	19:00 21:00	20:00 22:00	21:00 23:00	22:00 0:00		
1-Jun-07	42	47	62	60	63	71	61	42	37	33	27	25	23	22	23	23	23	23	27	34	38	37	39	39	38.2	70.8
2-Jun-07	43	50	55	56	64	68	73	65	54	44	44	39	38	32	31	30	28	29	32	36	45	47	50	48	46.0	72.6
3-Jun-07	52	57	61	62	62	67	69	61	49	44	39	34	33	32	29	27	27	28	31	32	36	37	40		43.2	69.1
4-Jun-07	46	50	53	57	59	59	58	56	53	50	46	41	39	36	34	34	38	42	44	46	58	57	64	66	49.4	66.5
5-Jun-07	71	75	75	77	72	72	81	87	90	94	93	86	83	81	80	80	82	87	85	81	80	77			80.8	94.5
6-Jun-07	73	76	72	63	64	71	71	77	68	55	48	37	36	33	32	31	31	31	31	37	50	60	62	57	54.4	76.9
7-Jun-07	66	79	84	88	91	82	83	77	68	59	43	33	36	43	48	53	52	50	49	50	50	60	64	65	61.4	91.4
8-Jun-07	65	64	64	60	61	60	57	50	47	51	49	48	41	36	33	30	31	31	32	34	44	50	61	67	48.6	67.3
9-Jun-07	69	72	73	76	73	72	62	60	58	54	49	46	44	42	40	38	36	39	50	57	60	75	76	77	58.1	76.6
10-Jun-07	80	83	86	90	91	90	90	88	81	73	65	55	43	38	38	34	35	31	28	29	57	66	70	74	63.2	91.2
11-Jun-07	86	86	94	93	91	84	81	63	57	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	93.7	
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	53.2
13-Jun-07	62	61	70	72	73	67	57	55	41	37	34	34	32	30	31	34	37	36	40	45	52	59	64	66	49.5	73.0
14-Jun-07	71	77	76	75	74	75	78	83	76	67	58	54	45	52	53	63	63	67	59	63	70	68	69	75	67.2	83.1
15-Jun-07	80	87	89	93	93	83	80	75	68	57	49	54	49	46	47	36	41	49	56	73	76	72	82	85	67.5	93.3
16-Jun-07	87	89	89	87	87	82	82	80	67	57	55	57	52	47	47	43	47	67	77	80	77	81	87	89	71.4	89.4
17-Jun-07	90	93	93	94	95	89	82	74	70	59	46	37	56	57	38	30	32	32	37	34	48	54	52	55	60.3	94.6
18-Jun-07	64	69	70	75	74	76	75	55	52	49	46	52	64	55	45	40	38	36	38	39	43	54	57	60	55.2	76.3
19-Jun-07	62	65	64	65	74	80	79	70	62	55	47	44	41	39	35	43	44	46	48	62	69	71	73	58.9	79.8	
20-Jun-07	82	85	87	86	90	87	87	83	82	77	68	67	57	53	52	46	44	51	65	64	85	92	89	89	73.7	92.3
21-Jun-07	87	91	93	95	96	95	94	89	75	65	55	44	34	31	29	28	27	27	27	29	37	37	37	37	56.1	95.6
22-Jun-07	41	44	50	66	70	54	47	45	45	48	41	32	35	67	56	39	35	33	30	30	46	52	61	66	47.2	69.7
23-Jun-07	67	67	72	74	74	78	75	81	75	58	46	37	33	30	29	29	30	28	35	43	51	59	59		54.0	81.3
24-Jun-07	66	69	74	75	76	71	67	58	52	46	33	32	29	29	29	31	45	54	60	62	64	68	68	71	55.3	75.6
25-Jun-07	76	85	86	81	76	73	76	68	56	45	36	34	32	30	26	27	25	28	28	26	37	45	47	47	49.5	85.9
26-Jun-07	50	57	61	71	74	71	59	52	47	32	28	27	25	23	22	21	21	24	27	30	39	43	47	46	41.5	73.6
27-Jun-07	43	42	47	51	56	62	63	59	53	50	45	33	30	30	27	29	34	63	56	67	71	76	81	83	52.2	83.3
28-Jun-07	83	83	90	90	87	86	78	70	75	69	65	67	66	60	62	63	66	63	66	80	77	76	79	76	74.1	90.2
29-Jun-07	83	87	91	93	95	92	89	80	69	61	51	49	52	55	58	56	59	66	59	59	78	78	79	82	71.8	94.9
30-Jun-07	91	91	93	92	90	91	90	83	70	63	55	47	41	42	38	34	34	38	40	38	40	44	48	52	60.2	93.3

Hourly Avg	68.3	71.6	74.8	76.4	77.3	76.0	73.7	67.9	62.3	56.4	49.3	45.5	42.8	41.9	39.5	37.9	38.8	42.1	43.8	47.7	55.0	59.9	63.3	64.7
Hourly Max	91.4	92.9	93.7	94.7	95.6	94.8	94.0	89.0	86.7	89.5	94.5	93.2	86.5	82.9	81.4	80.6	79.8	79.6	81.5	86.9	85.0	92.3	89.5	89.0

HOURLY AVERAGE TABLE

Relative Humidity (RH)



Status Flag Characters

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

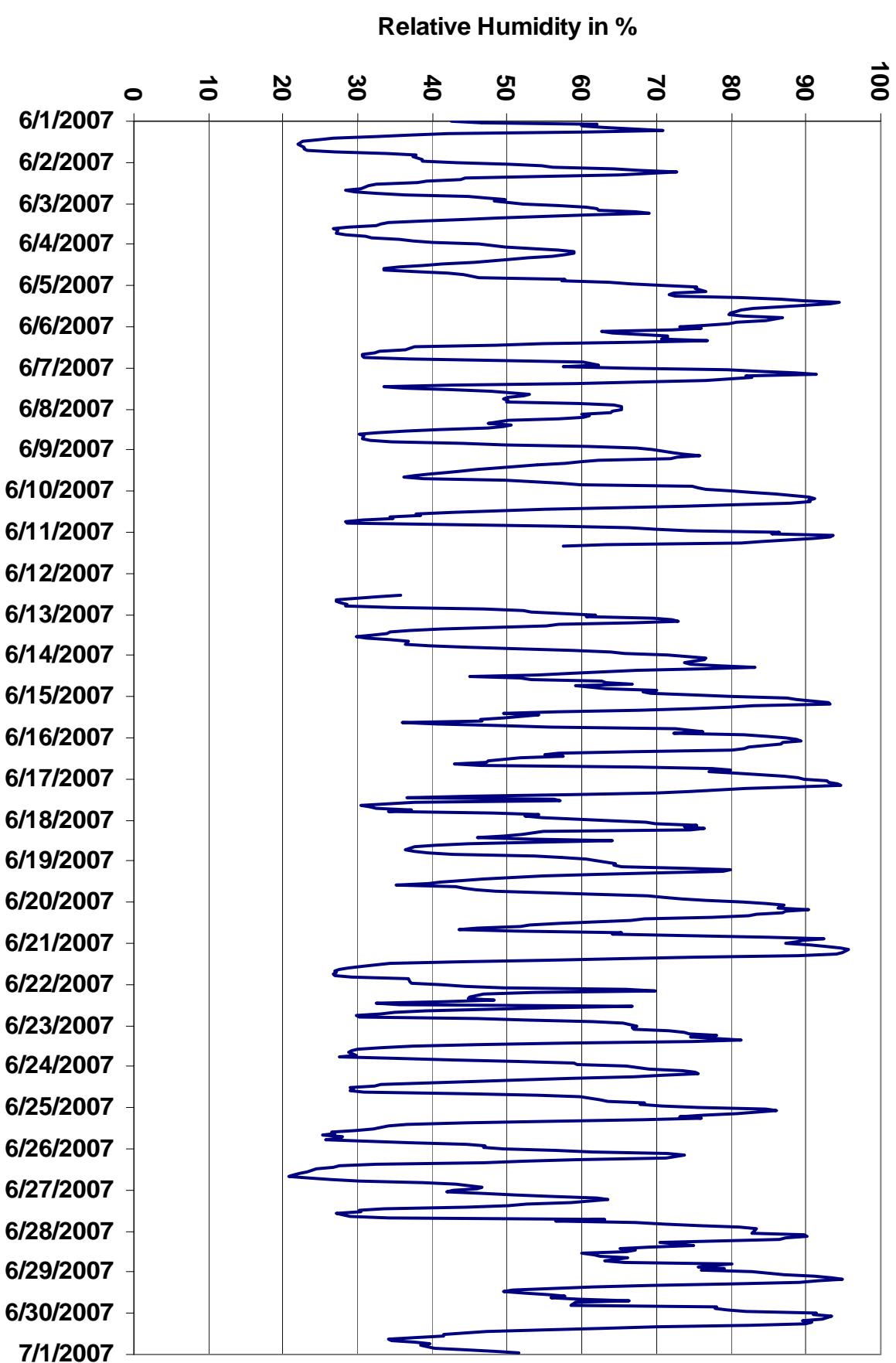


Figure 44. PASZA - Beaverlodge Relative Humidity 1-hr Average Monthly Trend

PASZA - Beaverlodge - Temperature Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	28.6 °C	4-Jun 15:00 16:00
Maximum 24-hr Value:	22.0 °C	3-Jun

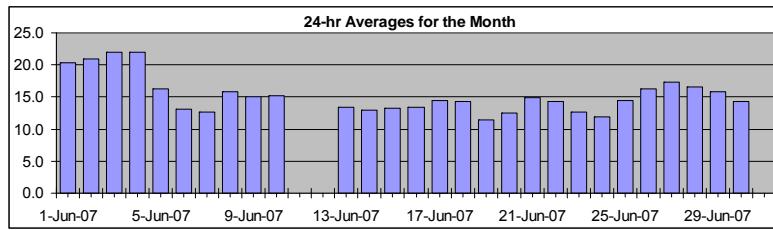
AIC Time:	0 hrs	Operational Time:	692 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	96.1%						
Percentile	99 26.8	95 24.5	75 18.5	50 15.4	25 11.4	5 7.3	1 5.4	Average 15.2 °C	Median 15.4 °C

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	
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-Jun-07	16	15	12	11	11	10	14	19	21	22	25	25	25	26	26	26	26	26	25	23	22	20	20	20	20	20.3	26.4
2-Jun-07	19	17	16	15	14	14	15	16	19	22	23	25	25	26	26	27	26	26	25	22	20	19	19	19	19	20.9	26.6
3-Jun-07	18	17	16	16	16	16	16	18	22	23	24	25	26	27	27	27	27	27	26	25	24	22	22	21	21	22.0	27.4
4-Jun-07	20	19	18	18	17	17	18	19	21	22	24	25	27	28	28	29	27	27	26	25	22	20	20	19	19	21.9	28.6
5-Jun-07	18	17	16	16	17	17	17	16	15	15	14	15	15	16	17	17	18	18	18	17	16	16	16	15	15	16.3	18.4
6-Jun-07	14	13	13	12	10	9	9	9	8	10	13	14	15	16	17	17	17	17	17	16	15	12	11	10	10	13.1	17.4
7-Jun-07	9	7	6	5	5	7	7	9	11	14	16	17	18	18	17	16	16	17	17	17	16	14	13	12	12	12.6	17.8
8-Jun-07	11	12	11	12	12	12	12	14	15	16	17	18	19	20	20	21	20	20	20	19	17	15	14	12	12	15.8	20.8
9-Jun-07	12	12	11	11	10	11	13	14	15	16	17	18	19	20	20	20	19	19	17	16	16	13	13	13	13	15.0	19.8
10-Jun-07	12	12	12	11	11	11	12	12	13	15	16	17	18	20	20	21	20	20	21	21	16	13	12	11	13	15.2	21.0
11-Jun-07	10	10	8	8	8	9	9	9	13	14	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	13.7	
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	18.9	
13-Jun-07	7	7	5	5	4	6	9	11	15	16	18	18	19	20	20	18	18	18	17	16	15	13	12	11	13	13.3	20.1
14-Jun-07	10	9	9	9	10	10	10	10	12	14	16	18	20	17	16	14	14	14	15	15	13	13	11	10	12.9	19.8	
15-Jun-07	9	7	8	6	6	9	10	12	15	17	19	18	19	20	20	21	18	16	15	12	11	12	10	9	13.3	20.8	
16-Jun-07	9	9	9	9	10	10	11	11	14	17	17	17	18	19	19	19	18	14	13	12	13	12	10	10	13.4	19.0	
17-Jun-07	9	8	7	6	5	7	10	12	14	17	19	19	15	15	19	22	21	20	19	21	18	15	15	14	14.5	21.7	
18-Jun-07	13	12	12	11	11	11	12	16	17	18	18	17	15	18	19	18	17	16	15	14	14	11	9	8	14.3	18.7	
19-Jun-07	7	6	6	6	5	6	9	11	12	13	15	15	16	16	17	16	15	15	15	13	12	11	10	9	11.5	17.0	
20-Jun-07	9	8	7	7	7	8	8	9	10	13	14	15	16	17	18	19	19	19	18	15	14	12	11	11	12.5	19.3	
21-Jun-07	12	11	11	10	10	10	11	12	14	16	17	17	18	18	19	19	19	19	19	19	17	14	13	13	14.9	18.9	
22-Jun-07	12	11	10	7	7	10	13	15	15	15	17	19	18	12	15	18	19	19	20	20	16	14	11	10	14.3	19.9	
23-Jun-07	10	10	9	8	9	9	9	9	9	11	14	15	16	17	17	18	18	18	17	16	14	12	10	9	12.7	17.8	
24-Jun-07	8	7	6	5	5	6	8	10	13	15	17	17	18	18	19	18	19	18	15	14	13	13	12	11	11	11.9	18.6
25-Jun-07	9	7	7	7	7	8	8	10	14	17	18	18	19	20	20	20	21	20	20	20	17	14	13	12	14.4	20.9	
26-Jun-07	11	10	9	6	6	7	11	13	15	18	19	20	22	22	23	23	23	23	22	21	19	17	15	15	16	16.3	23.4
27-Jun-07	15	16	15	14	13	13	13	14	16	17	20	23	23	24	24	22	17	17	19	16	15	15	14	13	17.3	24.4	
28-Jun-07	13	13	12	11	12	12	15	16	16	17	19	18	19	21	20	20	21	21	21	19	17	15	15	14	16.5	21.1	
29-Jun-07	13	12	11	10	9	12	12	15	17	19	21	22	21	21	20	20	18	19	17	18	16	14	13	12	15.8	21.6	
30-Jun-07	11	11	11	11	11	11	11	11	13	14	15	16	18	17	18	19	19	18	17	17	15	14	13	12	14.3	18.8	

Hourly Avg	11.9	11.2	10.5	9.8	9.6	10.3	11.3	13.0	14.7	16.3	17.9	18.6	19.1	19.4	20.0	20.1	19.7	19.0	18.6	17.7	16.0	14.3	13.2	12.6
Hourly Max	19.6	19.0	18.3	17.5	17.2	17.3	18.0	19.1	22.5	23.1	24.6	25.4	26.6	27.6	28.1	28.6	27.3	26.7	26.1	24.9	23.6	22.1	21.5	20.9

HOURLY AVERAGE TABLE

Ambient Temperature (T)



Status Flag Characters

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

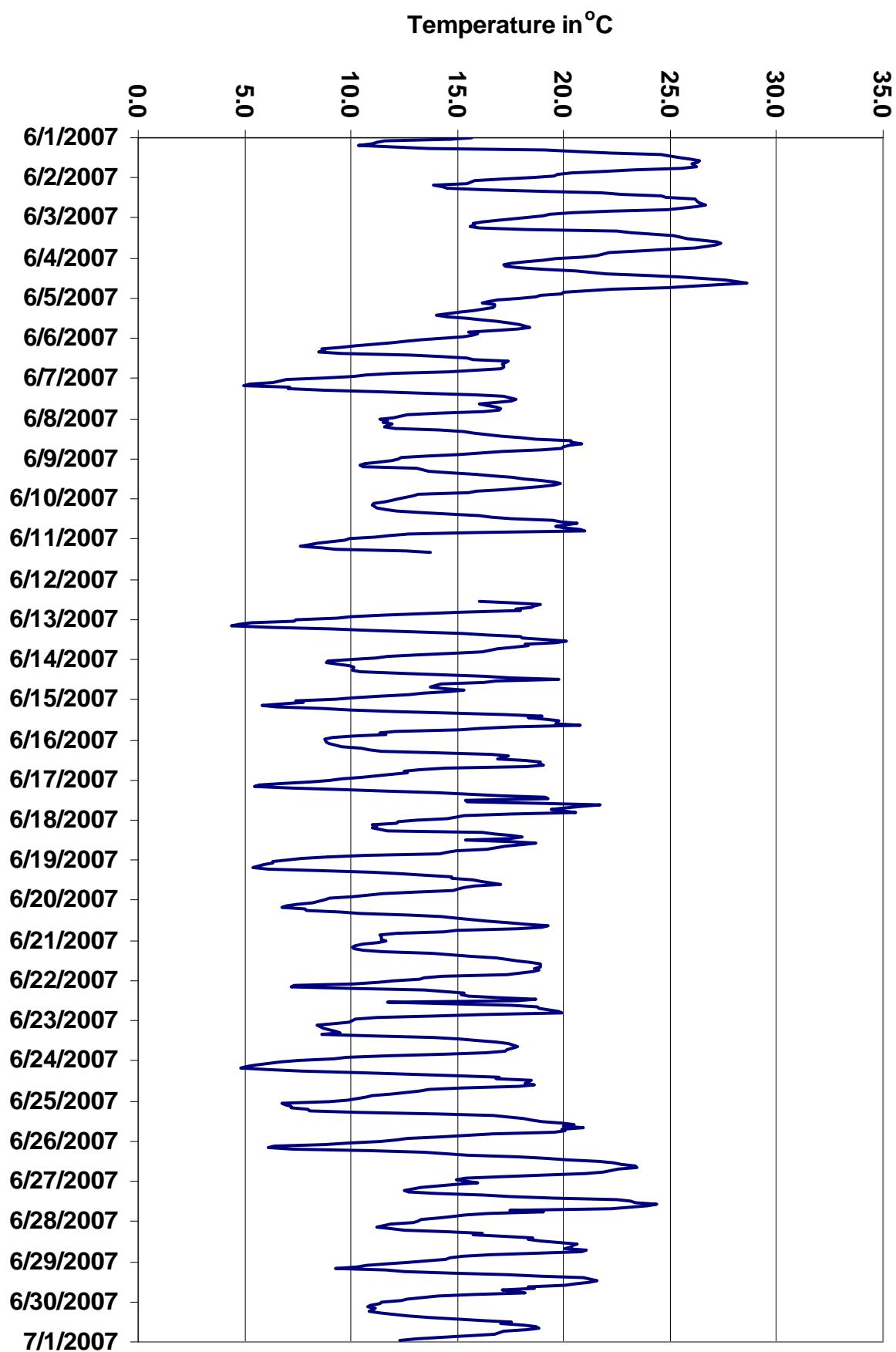


Figure 45. PASZA - Beaverlodge Temperature 1-hr Average Monthly Trend

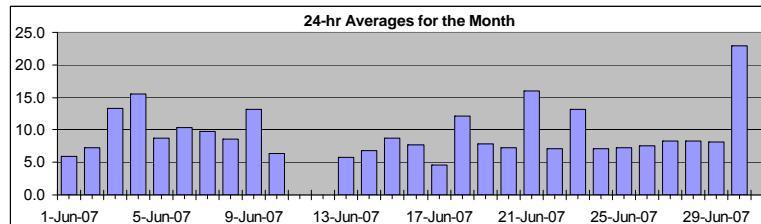
PASZA - Beaverlodge - Scalar Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Summary

Maximum 1-hr Average: 40.1 km/hr 30-Jun 15:00 16:00
Maximum 24-hr Value: 22.9 km/hr 30-Jun

Calm Time:	0 hrs	0% calms	Operational Time:	692 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	96.1%				
Percentile	99	95	75	50	25	5	1	AverageS
	32.3	21.8	11.8	7.6	4.7	2.6	1.6	9.5 km/hr

Day Mountain Standard Time

	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	6:00 7:00	7:00 8:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Max
1-Jun-07	4	5	3	5	4	2	4	5	5	6	4	5	7	8	9	9	9	7	10	12	6	5	3	3	5.9	12.4		
2-Jun-07	2	4	5	4	4	5	8	2	7	10	10	9	9	8	8	10	9	8	10	8	6	10	9	8	7.2	10.5		
3-Jun-07	5	5	8	5	2	6	4	3	5	15	17	17	16	17	19	20	21	21	20	16	15	18	21	21	13.2	21.4		
4-Jun-07	17	16	14	13	14	14	17	19	18	19	20	22	22	20	21	21	20	17	14	10	8	6	8	4	15.5	22.4		
5-Jun-07	4	7	7	8	7	8	8	7	6	3	7	10	10	8	7	8	9	10	11	11	13	12	11	18	8.8	18.4		
6-Jun-07	18	18	18	19	21	19	14	13	8	7	7	12	10	12	8	7	7	6	7	5	3	2	3	4	10.3	21.0		
7-Jun-07	4	2	2	2	2	2	4	4	5	7	10	11	15	17	18	19	19	19	15	12	15	14	10	8	9.8	18.9		
8-Jun-07	7	8	7	12	11	8	8	6	10	8	8	7	10	8	10	14	12	7	6	3	8	10	12	7	8.6	14.1		
9-Jun-07	6	7	6	4	5	3	2	9	10	11	14	14	16	18	20	21	20	19	23	17	21	16	19	16	13.2	22.8		
10-Jun-07	13	11	10	5	2	1	1	3	3	6	6	10	9	6	8	6	8	7	4	4	9	9	7	5	6.4	12.5		
11-Jun-07	4	5	4	2	4	3	2	2	5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.9			
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	20.9		
13-Jun-07	3	3	3	4	5	2	3	6	2	4	4	5	5	7	13	9	19	13	5	7	7	8	4	2	5.8	19.0		
14-Jun-07	2	1	4	5	7	8	4	5	8	11	9	8	5	7	5	14	7	6	13	10	7	10	7	3	6.9	13.9		
15-Jun-07	3	4	5	4	5	4	8	5	5	4	4	6	7	10	14	15	18	18	16	21	18	7	5	4	8.7	20.7		
16-Jun-07	4	3	4	6	6	4	6	6	2	4	7	11	12	14	16	16	17	14	8	7	5	3	3	7.7	17.1			
17-Jun-07	5	3	4	2	1	1	1	4	4	3	5	6	11	9	7	4	4	7	8	6	5	4	4	4	4.6	10.5		
18-Jun-07	5	8	9	8	7	7	5	4	4	6	7	8	11	12	20	28	27	29	27	17	12	11	10	10	12.2	28.9		
19-Jun-07	9	7	4	6	6	4	6	10	8	8	8	7	7	4	6	9	12	14	10	11	12	10	5	4	7.8	14.0		
20-Jun-07	6	2	4	1	3	5	4	4	6	7	9	10	10	11	9	6	6	10	17	14	4	9	10	6	7.2	16.5		
21-Jun-07	9	11	9	8	4	5	3	9	7	15	23	29	36	35	29	28	27	26	21	17	11	9	6	5	16.0	35.7		
22-Jun-07	5	6	6	4	2	7	3	6	8	10	10	6	9	26	9	8	5	4	3	3	7	9	6	8	7.2	25.6		
23-Jun-07	6	6	7	6	7	5	4	10	13	11	12	17	22	22	23	22	21	22	21	14	11	7	7	13.1	22.9			
24-Jun-07	3	3	2	3	2	4	5	6	9	7	8	8	10	9	6	7	18	14	14	12	7	5	4	7.2	18.1			
25-Jun-07	3	3	4	8	6	3	4	5	3	4	7	8	7	6	11	11	12	8	7	16	15	11	8	5	7.2	16.2		
26-Jun-07	5	5	3	3	3	3	3	5	11	15	13	11	8	7	8	6	5	9	13	10	8	9	7	8	7.5	15.1		
27-Jun-07	12	19	16	13	10	4	3	7	5	5	3	4	6	7	6	10	8	13	11	13	10	5	4	6	8.2	18.5		
28-Jun-07	3	4	4	4	6	5	4	7	6	2	4	11	11	11	12	10	12	12	13	17	13	7	10	11	8.3	17.5		
29-Jun-07	9	7	6	5	5	4	4	5	4	4	4	8	11	9	8	15	6	10	9	8	12	15	15	11	8.1	15.2		
30-Jun-07	9	6	8	7	5	5	7	13	23	26	30	31	34	37	36	40	35	32	31	30	31	25	26	24	22.9	40.1		

1-hr Average	6.3	6.5	6.4	6.1	5.7	5.2	5.3	6.5	7.2	8.5	9.7	11.1	12.3	13.0	13.0	14.3	14.3	13.8	13.3	12.3	10.9	9.8	8.7	7.7
Hourly Max	18.0	18.5	18.1	19.4	21.0	18.5	17.1	18.5	22.7	25.5	30.2	31.2	35.7	36.6	35.9	40.1	35.1	32.1	30.8	29.5	30.8	25.5	25.7	23.8

PASZA - Beaverlodge - Vector Wind Speed Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

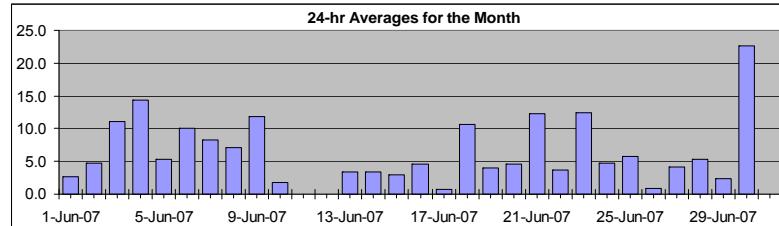
Maximum 1-hr Average:	40.0	km/hr	30-Jun	15:00 16:00
Maximum 24-hr Value:	22.6	km/hr	30-Jun	

Calm Time:	5 hrs	1% calms	Operational Time:	687 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	96.1%
Percentile				AverageV
99	95	75	50	25 5 1
32.2	21.7	11.5	7.0	4.0 1.7 1.0
				1.2 km/hr

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max	
	Hour Start 1:00	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-Jun-07	3	4	1	5	1	1	2	2	5	6	3	3	6	7	8	9	8	7	10	12	6	5	3	3	2.7	11.8	
2-Jun-07	1	3	4	4	3	2	2	1	7	9	10	6	9	6	8	9	9	8	10	8	5	10	9	8	4.7	10.4	
3-Jun-07	5	2	8	3	1	6	2	3	4	14	17	17	16	17	18	20	21	21	20	16	15	17	21	21	11.1	21.3	
4-Jun-07	17	16	14	13	13	14	17	18	18	19	19	22	22	20	20	20	20	17	14	10	7	2	8	2	14.3	22.2	
5-Jun-07	3	6	7	8	7	8	8	7	4	1	7	9	9	8	7	8	9	10	11	10	10	13	12	10	18	5.3	18.2
6-Jun-07	18	18	18	19	21	18	14	13	7	7	7	11	9	11	7	7	5	5	6	5	3	2	3	4	10.0	20.9	
7-Jun-07	4	2	2	2	2	1	4	4	5	7	10	11	14	17	18	19	19	18	15	12	15	14	10	8	8.3	18.7	
8-Jun-07	6	7	6	12	11	8	8	5	9	7	7	6	9	7	10	14	11	6	6	3	8	6	11	7	7.1	13.9	
9-Jun-07	4	6	6	3	4	1	2	9	10	11	14	14	16	17	19	20	20	19	22	17	21	15	19	16	11.9	22.2	
10-Jun-07	13	11	10	3	2	calm	1	2	3	6	6	9	8	4	5	5	7	7	3	4	2	8	7	4	1.7	12.5	
11-Jun-07	2	2	4	1	2	3	2	2	4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	4.3		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	20.6	
13-Jun-07	3	2	2	3	5	2	2	5	1	3	2	3	4	6	12	4	18	12	5	7	6	8	3	1	3.5	18.5	
14-Jun-07	calm	1	3	4	6	7	4	4	8	11	8	7	3	5	4	13	6	6	13	10	3	10	5	2	3.5	13.1	
15-Jun-07	2	3	5	3	4	3	7	5	5	3	2	5	6	9	14	15	14	17	13	20	18	2	3	4	2.9	20.3	
16-Jun-07	4	3	4	6	6	4	6	6	2	2	6	10	12	13	16	16	17	12	7	7	6	5	3	2	4.5	16.8	
17-Jun-07	4	3	2	calm	calm	calm	1	4	4	3	4	3	6	9	6	1	3	7	7	6	5	4	4	4	0.7	8.6	
18-Jun-07	4	6	8	5	7	7	5	3	3	6	7	6	11	11	19	27	27	29	27	17	12	11	10	10	10.7	28.6	
19-Jun-07	9	6	3	5	6	4	6	10	8	7	7	6	6	4	5	9	12	14	10	11	12	10	5	3	4.0	13.8	
20-Jun-07	6	2	2	1	3	4	4	1	2	6	8	9	9	11	9	6	4	9	16	14	2	7	9	5	4.6	16.4	
21-Jun-07	9	11	9	8	3	4	2	4	7	15	23	29	35	34	29	28	27	26	21	17	11	9	6	5	12.3	35.5	
22-Jun-07	5	6	5	3	1	7	2	6	8	9	9	4	8	25	7	7	4	3	1	3	7	9	6	7	3.7	25.4	
23-Jun-07	5	6	7	6	7	5	4	9	12	11	17	21	22	21	23	21	21	22	20	14	11	7	6	12.4	22.6		
24-Jun-07	3	1	2	2	2	4	5	5	9	7	8	7	9	7	5	6	18	14	14	12	7	5	4	4.8	17.9		
25-Jun-07	2	2	4	7	5	1	4	5	3	3	6	7	6	4	10	11	12	5	6	16	15	11	8	5	5.8	16.1	
26-Jun-07	5	5	2	3	3	3	5	10	15	13	11	6	5	7	2	3	8	13	10	8	9	7	8	0.9	14.7		
27-Jun-07	12	18	16	13	10	3	2	6	4	4	2	2	5	6	4	9	1	8	11	9	9	4	1	4.2	18.5		
28-Jun-07	2	3	2	4	6	5	4	7	5	1	3	10	11	11	12	10	12	11	12	17	12	3	10	5.4	17.3		
29-Jun-07	9	5	5	5	5	4	2	4	4	2	3	7	10	9	8	11	4	9	8	7	11	14	15	9	2.3	15.1	
30-Jun-07	9	6	8	7	5	5	7	13	23	25	30	31	34	36	36	40	35	32	31	29	31	25	26	24	22.6	40.0	

HOURLY AVERAGE TABLE

Wind Speed (WSv)



Status Flag Characters

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

1-hr Vector	1.7	1.3	1.3	1.2	1.6	1.1	0.8	1.7	3.3	3.1	2.7	2.0	2.4	1.6	2.4	1.9	3.4	2.3	1.3	1.2	0.6	1.9	1.0	1.1
Hourly Max	18.0	18.5	18.1	19.3	20.9	18.4	17.0	18.5	22.6	25.4	30.1	31.1	35.5	36.3	35.6	40.0	34.9	31.9	30.8	29.5	30.7	25.4	25.7	23.7

PASZA - Beaverlodge - Wind Direction Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Wind Direction (WD)													

Calm Time:	0 hrs	0% calms	Operational Time:	692 hrs									
Calibration Time:	0 hrs		AMD Operational Uptime:	96.1%									
Percentile	99	95	75	50	25	5	1	Average					
	355.7	333.4	279.1	216.2	99.5	37.4	8.6		281 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	0:00	
1-Jun-07	28	312	342	50	24	263	351	324	311	304	278	192	124	97	94	105	100	86	102	129	73	91	78	355	78	ENE	
2-Jun-07	327	357	11	25	5	20	267	94	314	9	58	81	93	69	103	122	107	115	112	105	79	37	53	64	67	ENE	
3-Jun-07	67	305	311	307	347	54	197	208	138	114	123	110	113	100	96	96	93	96	98	105	103	105	100	106	102	ESE	
4-Jun-07	116	117	118	116	108	105	112	117	114	111	116	127	122	117	119	111	110	107	130	154	130	73	290	310	116	ESE	
5-Jun-07	252	255	288	294	302	298	285	277	313	335	291	315	316	321	310	307	305	311	323	1	49	95	61	60	327	NNW	
6-Jun-07	66	58	53	54	52	62	58	52	28	32	39	56	83	71	56	67	59	65	90	84	87	87	79	87	60	ENE	
7-Jun-07	154	147	80	105	160	180	217	218	211	220	228	232	259	287	283	285	280	276	275	271	272	259	254	258	262	W	
8-Jun-07	279	312	300	281	278	294	303	298	307	305	326	313	311	322	300	283	290	333	353	356	265	330	36	69	309	NW	
9-Jun-07	350	42	59	9	39	208	112	115	112	125	124	114	89	96	101	97	99	99	122	111	131	117	113	121	106	ESE	
10-Jun-07	122	125	131	127	72	44	98	202	196	212	229	243	263	287	295	336	317	293	254	277	154	330	318	262	243	WSW	
11-Jun-07	271	357	206	42	246	266	202	236	291	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-	
13-Jun-07	69	4	113	78	68	118	200	220	212	207	205	262	214	251	256	313	256	278	343	304	296	256	225	208	261	W	
14-Jun-07	173	75	54	305	317	321	306	223	262	267	291	292	304	53	345	39	341	221	255	263	109	12	273	9	305	NW	
15-Jun-07	282	322	341	284	335	339	333	320	316	275	76	66	79	84	65	87	179	196	134	62	50	343	163	138	75	ENE	
16-Jun-07	48	46	22	18	22	43	46	41	66	125	123	96	102	91	74	78	86	152	236	271	333	309	40	11	75	ENE	
17-Jun-07	324	343	313	326	35	220	227	268	242	243	241	270	297	189	201	261	338	53	56	64	94	90	79	68	307	NW	
18-Jun-07	358	328	10	304	308	324	324	271	226	229	258	246	233	317	273	266	277	272	274	276	268	262	261	264	277	W	
19-Jun-07	268	256	304	310	306	292	314	314	306	311	318	339	320	5	302	256	237	235	249	48	54	54	66	85	307	NW	
20-Jun-07	92	143	7	311	34	29	229	1	261	105	128	114	130	130	104	105	140	87	52	50	38	360	52	75	81	E	
21-Jun-07	114	133	150	155	146	186	321	307	256	245	261	266	260	265	266	265	267	271	279	291	284	295	345	334	264	W	
22-Jun-07	356	336	334	110	203	292	250	212	233	237	227	186	218	232	310	277	326	52	197	118	123	148	197	202	233	SW	
23-Jun-07	222	223	269	210	219	231	251	258	293	295	293	278	270	271	275	264	263	259	259	249	246	238	248	243	261	W	
24-Jun-07	178	124	137	115	169	189	200	231	247	240	244	244	216	230	250	193	167	123	146	189	158	82	96	77	186	S	
25-Jun-07	110	114	194	276	285	64	209	220	242	274	298	311	300	269	289	277	279	320	296	277	267	277	298	342	281	W	
26-Jun-07	316	284	284	76	76	72	219	240	253	282	286	307	313	326	304	36	96	107	104	98	98	115	97	104	351	N	
27-Jun-07	104	110	112	116	120	188	126	140	183	257	269	328	351	70	67	73	0	358	44	316	34	26	96	70	74	ENE	
28-Jun-07	22	299	278	51	44	43	59	117	127	151	49	58	104	117	112	103	85	103	108	104	65	318	314	360	80	E	
29-Jun-07	36	352	317	299	66	71	127	211	226	221	91	112	105	106	112	138	335	28	26	40	121	308	327	299	45	NE	
30-Jun-07	248	284	271	291	276	225	243	259	269	276	274	274	272	267	270	262	264	263	256	257	264	260	255	251	265	W	
	Hourly Avg	73	41	23	15	21	10	270	243	261	255	254	262	246	264	290	272	262	257	230	292	104	325	352	59		

PASZA - Beaverlodge - Standard Deviation of Wind Direction Monthly Summary

Station: Beaverlodge
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|--|

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	692 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	96.1%			
Percentile	99	95	75	50	25	5	1
	56.5	47.4	27.3	13.9	7.7	3.4	2.6

Status Flag Characters

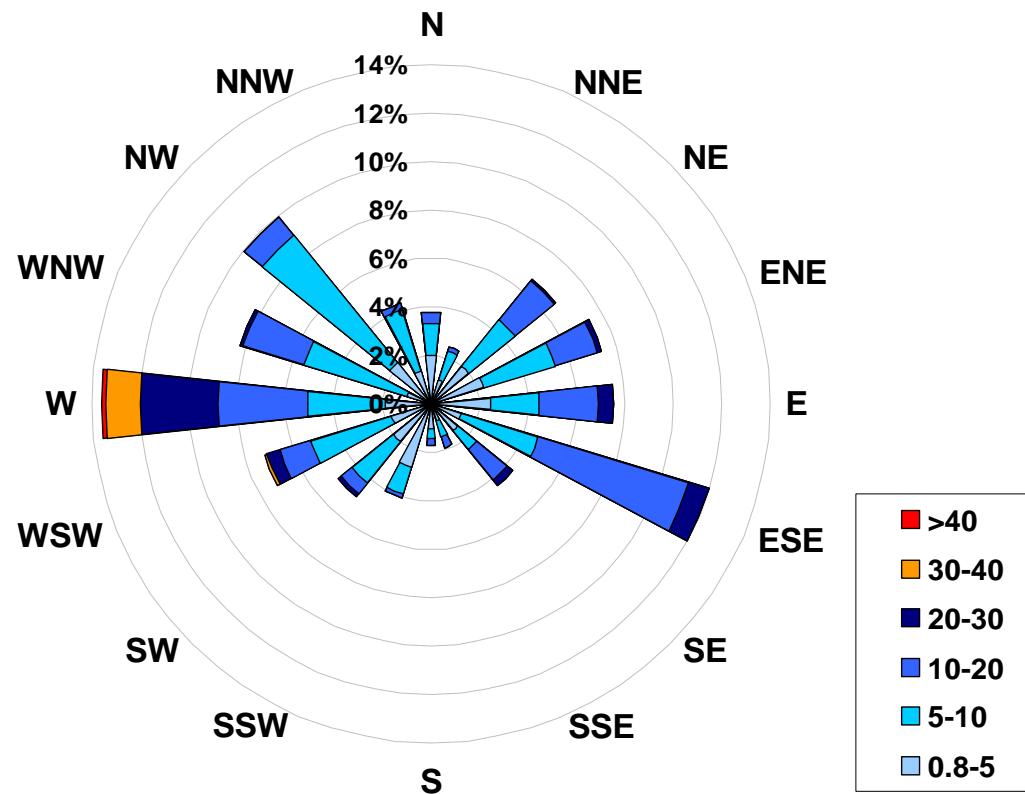
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day Mountain Standard Time

	Hour Start	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	24:00	0:00	
1-Jun-07	21	19	51	9	29	47	31	30	18	16	44	36	48	21	22	19	19	14	10	13	7	7	9	29		50.6	
2-Jun-07	28	39	28	35	50	46	32	41	11	14	12	32	19	33	19	18	15	20	4	6	9	9	2	7		49.8	
3-Jun-07	41	29	4	27	56	13	33	17	45	10	8	9	14	13	12	12	12	7	6	4	3	3	3	4		56.3	
4-Jun-07	3	3	3	4	4	9	3	10	6	8	7	6	8	8	6	9	6	4	7	6	11	42	11	39		42.0	
5-Jun-07	20	10	8	8	5	4	5	11	26	34	6	7	9	10	8	9	8	9	5	15	10	7	9	3		34.0	
6-Jun-07	3	3	4	4	4	5	6	7	14	11	22	15	25	16	36	23	52	45	20	5	8	14	8	14		52.1	
7-Jun-07	8	34	12	15	14	22	11	18	15	12	16	16	14	7	10	5	8	7	4	3	8	3	3	6		34.5	
8-Jun-07	25	9	14	3	4	4	5	15	11	15	20	28	18	28	23	9	10	24	14	13	11	36	12	7		36.3	
9-Jun-07	34	11	13	30	50	29	43	9	11	11	10	10	12	9	11	9	8	8	8	4	4	4	3		49.6		
10-Jun-07	3	3	6	35	9	41	44	35	23	20	26	22	21	60	42	33	20	31	32	11	36	17	11	20		60.2	
11-Jun-07	22	22	14	35	27	40	44	46	29	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		46.3	
12-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		41.6
13-Jun-07	10	30	25	16	8	13	17	17	49	38	54	42	41	34	16	62	12	10	18	10	6	12	18	43		61.8	
14-Jun-07	38	21	8	25	15	9	12	29	9	14	16	15	53	50	28	40	14	22	6	5	27	13	44	16		52.6	
15-Jun-07	19	30	30	24	37	49	22	12	16	40	59	39	33	20	15	10	20	8	11	9	4	26	20	20		58.7	
16-Jun-07	12	18	13	9	8	17	15	9	31	48	39	14	15	14	10	12	7	10	8	7	22	10	22	31		48.1	
17-Jun-07	35	36	55	88	66	24	29	11	19	28	48	41	26	8	17	56	37	14	6	10	8	5	4	7		87.5	
18-Jun-07	29	31	14	41	12	5	14	16	39	27	19	52	10	15	12	7	8	7	4	4	5	2	4	3		52.3	
19-Jun-07	6	7	21	10	11	13	8	10	12	23	18	31	28	36	27	26	12	8	10	39	3	3	15	43		42.6	
20-Jun-07	9	33	17	51	9	17	15	25	31	15	11	13	14	15	21	31	36	13	4	4	43	16	8	36		50.8	
21-Jun-07	7	6	5	6	20	35	45	33	14	7	6	5	6	7	7	6	6	8	5	3	14	9	4		45.1		
22-Jun-07	9	6	7	43	28	40	44	26	12	14	16	54	37	6	48	33	37	41	39	33	4	8	8	5		53.6	
23-Jun-07	15	12	10	10	4	5	6	6	5	7	10	8	9	8	9	8	8	6	5	4	3	3	5	11		14.7	
24-Jun-07	18	47	27	35	22	15	13	14	10	22	24	22	22	29	37	29	10	9	7	6	5	19	5	6		47.4	
25-Jun-07	15	32	14	8	35	38	9	12	29	25	31	34	26	39	16	14	14	33	25	9	3	2	10	12		39.2	
26-Jun-07	9	8	37	10	15	10	19	14	11	11	12	18	33	54	22	37	53	14	7	5	4	5	3	3		53.8	
27-Jun-07	3	3	3	3	6	27	59	22	51	41	46	63	31	37	53	16	42	28	18	19	19	13	37	24		62.9	
28-Jun-07	28	36	50	36	7	12	25	36	43	54	54	16	12	33	36	22	24	25	30	17	15	29	11	10		54.2	
29-Jun-07	7	18	23	38	24	8	14	13	19	49	44	23	16	7	8	41	39	8	9	10	24	27	6	18		49.3	
30-Jun-07	18	16	18	14	23	21	19	11	18	3	15	5	17	14	5	5	5	5	4	3	3	4	3	3	3		22.6

Hourly Max 41 47 55 88 66 49 59 46 51 54 59 63 53 60 53 62 53 45 39 39 43 42 44 43

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



Calms:	0%
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Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	189
5	to	10	273
10	to	20	176
20	to	30	42
30	to	40	11
>	40		1
Total Non-Zero Values			692

PASZA – Portable-Falher Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Portable-Falher - Sulphur Dioxide Monthly Summary

Station: Portable-Falher
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary

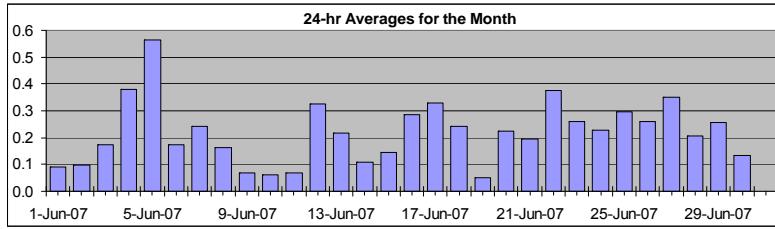
Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	1.7 ppb 5-Jun 20:00 21:00
Maximum 24-hr Average:	0.6 ppb 5-Jun

AIC Time:	31 hrs	Operational Time:	682 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%						
Percentile	99 1.0	95 0.6	75 0.3	50 0.2	25 0.1	5 0.0	1 0.0	Average 0.2 ppb	Median 0.2 ppb

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

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)



Status Flag Characters

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



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

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Sulphur Dioxide (SO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

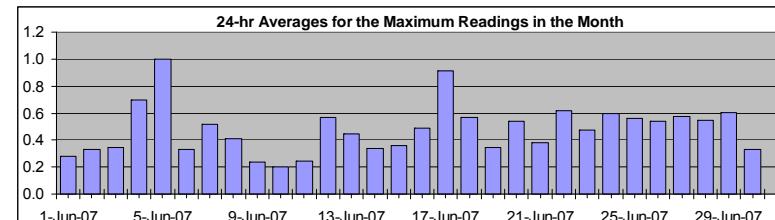
Summary

Maximum 1-hr Value:	3.3 ppb	17-Jun 22:00 23:00
Maximum 24-hr Value:	1.0 ppb	5-Jun

AIC Time:	31 hrs	Operational Time:	682 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	1.9 1.1 0.7 0.4 0.2 0.1 0.1	0.5 ppb	0.4 ppb

Day Mountain Standard Time

	Hour Start Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Jun-07	0:00 1:00	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.3	0.7	
2-Jun-07	0:00 1:00	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	A	0	0	0	0	0	0.3	1.3	
3-Jun-07	0:00 1:00	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0.3	1.2	
4-Jun-07	1:00 2:00	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0.7	1.2	
5-Jun-07	0:00 1:00	0	0	0	A	0	0	1	0	3	2	1	1	1	1	0	0	1	2	2	3	2	2	1	1	1.0	3.2	
6-Jun-07	1:00 2:00	1	2	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	1.7	
7-Jun-07	0:00 1:00	0	A	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5	0.8	
8-Jun-07	1:00 2:00	A	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	1	0.4	1.3	
9-Jun-07	0:00 1:00	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.6	
10-Jun-07	0:00 1:00	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	0.5	
11-Jun-07	0:00 1:00	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	A	0	0	0	0	0.2	0.7	
12-Jun-07	1:00 2:00	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	A	0	0	0	0.6	1.2	
13-Jun-07	0:00 1:00	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	A	0	0	0	0	0	0.4	0.8	
14-Jun-07	0:00 1:00	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	A	0	0	0	1	1	0.3	1.1	
15-Jun-07	0:00 1:00	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	A	0	0	0	0	0	0	0.4	1.1	
16-Jun-07	0:00 1:00	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	A	1	0	0	0	0	0	0	0.5	1.2	
17-Jun-07	1:00 2:00	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	A	0	0	0	1	2	0.9	3.3	
18-Jun-07	1:00 2:00	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	C	C	C	C	A	0	0	0	0.6	0.8	
19-Jun-07	0:00 1:00	0	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9	
20-Jun-07	1:00 2:00	1	1	0	A	1	0	0	0	2	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	1.8	
21-Jun-07	0:00 1:00	0	0	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4	
22-Jun-07	0:00 1:00	0	A	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.6	1.4	
23-Jun-07	1:00 2:00	A	1	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.9	
24-Jun-07	1:00 2:00	1	1	1	0	1	1	0	1	1	1	1	1	1	0	0	2	0	0	0	0	0	1	0	A	0	0.6	1.7
25-Jun-07	0:00 1:00	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	A	1	1	0	0	0.6	1.3	
26-Jun-07	1:00 2:00	1	1	1	1	0	1	1	1	1	1	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0.5	0.9	
27-Jun-07	0:00 1:00	0	0	0	A	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.6	1.1	
28-Jun-07	0:00 1:00	0	A	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	0.5	0.7	
29-Jun-07	0:00 1:00	0	A	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0.6	1.3	
30-Jun-07	0:00 1:00	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.4	



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

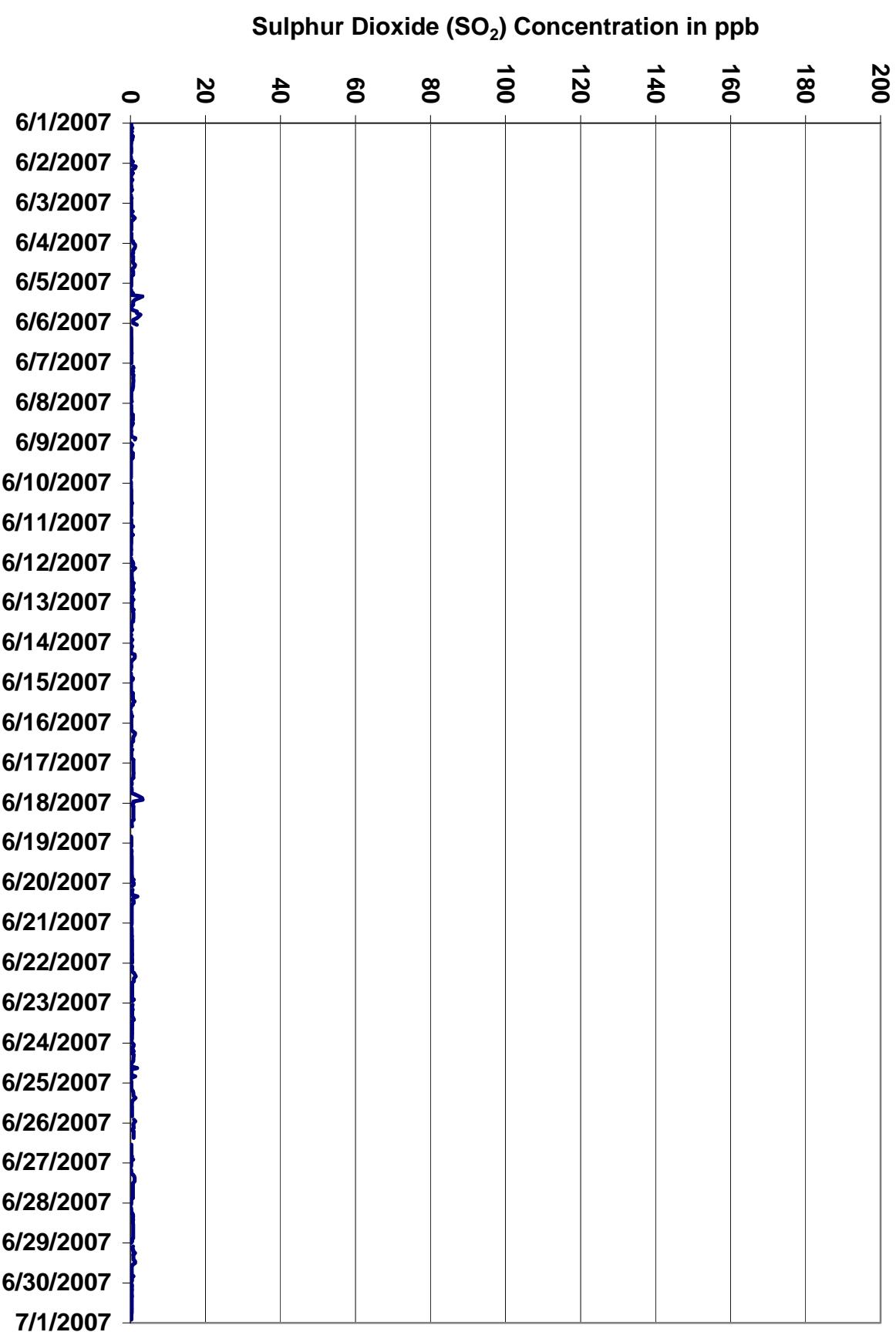
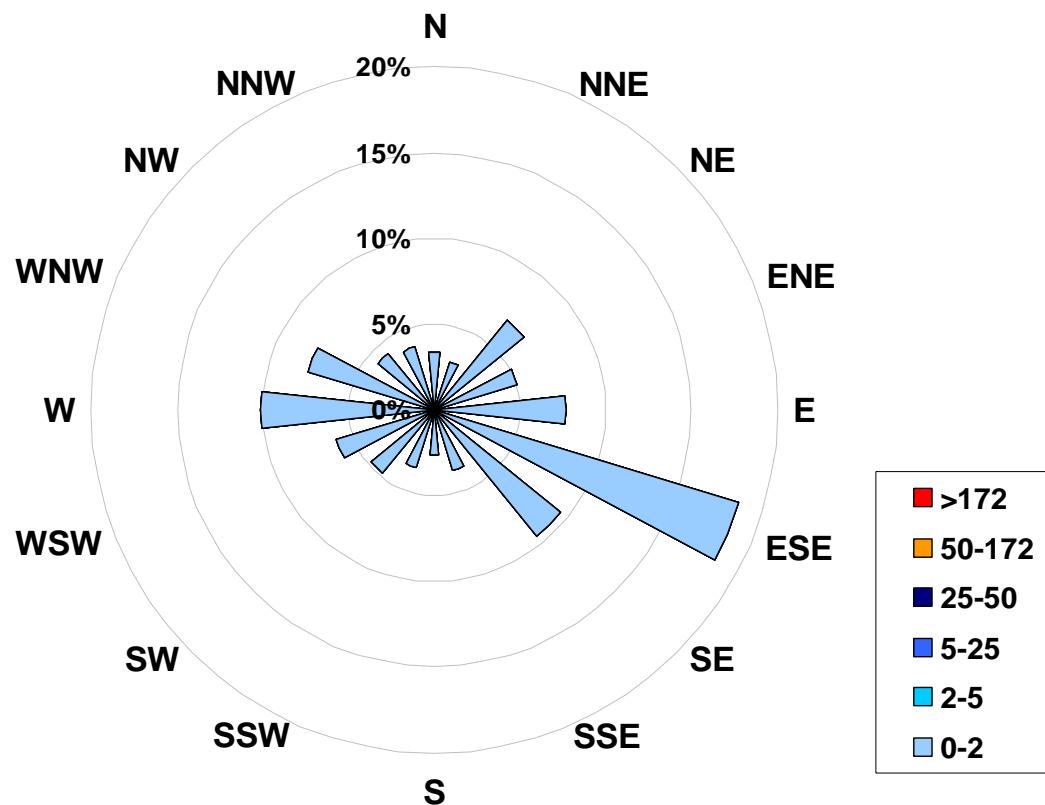


Figure 47. PASZA - Portable-Falher Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of SO ₂ in ppb			
Range		Frequency (hrs)	
0.0	<	2	682
2	to	5	0
5	to	25	0
25	to	50	0
50	to	172	0
>	172		0
Total Non-Zero Values		682	

PASZA - Portable-Falher - Nitrogen Dioxide Monthly Summary

Station: Portable-Falher
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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:	24.6 ppb 22-Jun 22:00 23:00
Maximum 24-hr Average:	8.5 ppb 26-Jun

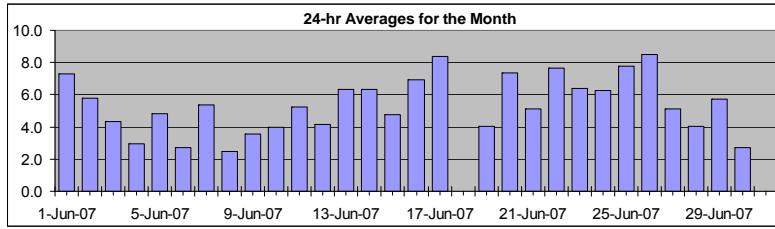
AIC Time:	32 hrs	Operational Time:	677 hrs								
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%								
Percentile	99	95	75	50	25	5	1	Average	5.4 ppb	Median	3.5 ppb
	18.7	15.1	7.6	3.5	2.0	1.0	0.7				

Day	Mountain Standard Time																								24-hour Average	Daily Maximum	
	Hour Start 0:00 1:00	1:00 2:00 3:00	2:00 3:00 4:00	3:00 4:00 5:00	4:00 5:00 6:00	5:00 6:00 7:00	6:00 7:00 8:00	7:00 8:00 9:00	8:00 9:00 10:00	9:00 10:00 11:00	10:00 11:00 12:00	11:00 12:00 13:00	12:00 13:00 14:00	13:00 14:00 15:00	14:00 15:00 16:00	15:00 16:00 17:00	16:00 17:00 18:00	17:00 18:00 19:00	18:00 19:00 20:00	19:00 20:00 21:00	20:00 21:00 22:00	21:00 22:00 23:00	22:00 23:00 24:00				
1-Jun-07	14	13	18	15	15	11	10	8	6	3	2	1	1	1	1	A	A	2	3	6	9	11	8	7.3	18.4		
2-Jun-07	8	10	12	12	14	13	5	4	3	3	2	2	1	1	1	2	A	3	2	2	4	7	9	14	5.8	14.0	
3-Jun-07	10	7	7	8	9	12	4	2	2	2	1	1	1	1	1	A	2	1	1	1	2	5	7	6	4	4.3	12.4
4-Jun-07	4	5	4	5	5	3	2	2	2	2	2	2	1	2	2	1	1	2	2	3	3	3	7	7	3.0	7.1	
5-Jun-07	9	8	8	A	13	15	9	4	5	4	3	3	2	2	2	2	2	1	2	4	4	4	3	4	4.8	14.8	
6-Jun-07	2	3	A	5	5	5	4	3	2	1	1	1	1	1	1	1	1	1	1	3	5	10	9	2.7	9.7		
7-Jun-07	9	A	17	17	13	12	8	5	3	2	2	1	1	1	2	1	1	2	2	4	3	3	6	4	4	5.4	17.1
8-Jun-07	A	8	6	6	6	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	4	4	3	A	2.5	7.5	
9-Jun-07	9	10	12	10	7	4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	3	3	A	6	3.6	12.2	
10-Jun-07	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4	3	3	3	8	A	6	8	4.0	8.3	
11-Jun-07	10	8	10	9	9	6	4	3	3	3	2	2	2	2	1	1	1	1	2	3	A	17	14	6	5.3	17.0	
12-Jun-07	5	7	8	6	6	6	4	2	2	2	2	2	2	1	1	2	2	2	A	8	10	6	7	4.2	10.5		
13-Jun-07	11	16	13	12	8	5	4	3	3	2	2	3	2	2	1	1	1	2	A	5	8	17	13	10	6.3	16.6	
14-Jun-07	15	14	14	13	10	9	7	6	6	3	3	3	2	1	2	3	3	A	3	3	5	6	7	7	6.3	14.6	
15-Jun-07	6	6	7	10	8	5	3	2	2	2	2	2	2	2	2	2	2	A	6	4	4	3	5	10	15	4.8	14.6
16-Jun-07	14	15	14	11	10	9	4	3	3	2	2	2	1	1	1	A	4	4	4	4	7	15	15	15	6.9	15.2	
17-Jun-07	17	15	16	15	14	11	8	5	3	2	2	1	1	1	A	3	2	2	4	5	10	11	16	8.4	17.4		
18-Jun-07	16	16	14	14	13	11	6	4	3	3	2	C	C	C	C	C	A	4	3	3	3	4	3	N	16.4		
19-Jun-07	3	3	5	A	5	3	3	2	2	2	2	2	2	2	3	3	3	3	4	9	6	14	9	4.0	13.8		
20-Jun-07	10	15	14	A	13	11	9	5	4	3	3	3	3	3	3	3	3	3	4	6	13	15	13	12	7.4	14.9	
21-Jun-07	14	14	A	6	4	4	3	3	4	4	2	2	2	2	2	2	2	2	2	2	4	10	20	8	5.1	20.2	
22-Jun-07	19	A	15	11	10	8	6	4	4	2	3	3	3	2	2	2	2	2	2	3	9	21	25	19	7.7	24.6	
23-Jun-07	A	21	18	16	15	12	8	4	3	2	2	2	1	1	1	1	1	1	2	4	14	9	A	6.4	21.1		
24-Jun-07	17	15	13	12	12	10	5	3	3	3	2	2	2	2	2	2	2	3	3	3	4	5	6	A	6.3	16.6	
25-Jun-07	11	13	16	15	10	6	5	5	4	3	2	2	2	2	2	2	2	2	3	5	6	9	A	21	18	7.8	20.8
26-Jun-07	16	16	13	16	13	10	4	2	2	C	C	C	C	2	1	2	2	3	11	17	18	13	8.5	17.7			
27-Jun-07	11	10	8	A	10	7	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	8	8	4	5.1	11.1	
28-Jun-07	5	4	A	7	7	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	7	4.0	7.4	
29-Jun-07	7	A	11	14	13	10	6	6	4	4	4	4	4	3	3	3	3	3	4	6	5	5	7	5.7	13.6		
30-Jun-07	A	10	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	A	2.7	9.6		

Hourly Avg	10.3	10.5	11.2	10.5	9.7	8.1	5.2	3.7	3.1	2.6	2.3	2.0	1.8	1.7	1.8	2.0	2.2	2.3	2.6	3.2	5.8	8.6	10.0	9.4
Hourly Max	19.4	21.1	18.4	16.7	15.4	14.8	11.4	8.0	6.3	4.2	4.2	3.6	3.6	3.3	3.4	3.4	4.3	5.8	5.1	6.4	12.8	20.8	24.6	19.5

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO₂)



Status Flag Characters

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

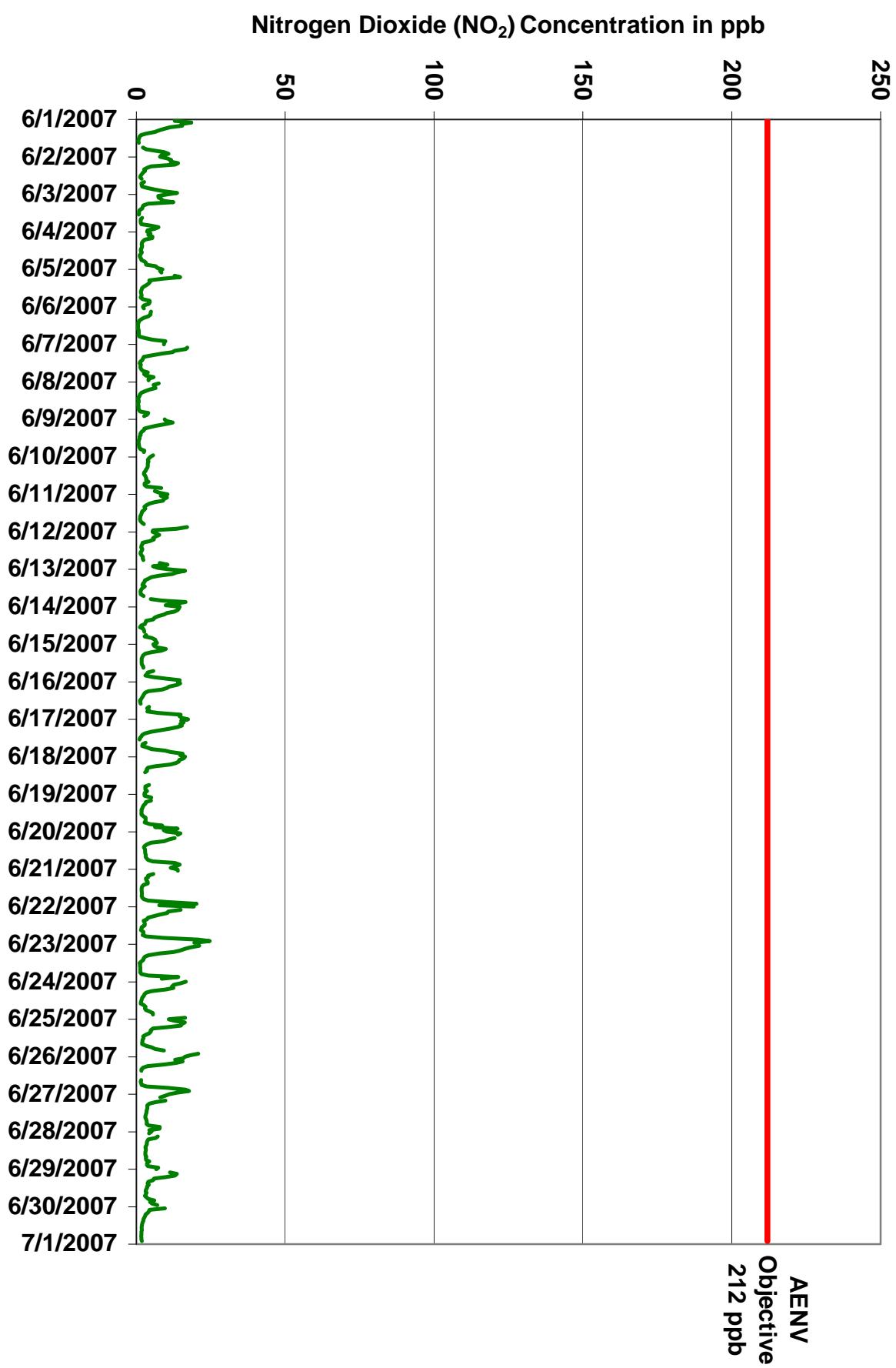


Figure 48. PASZA - Portable-Falher Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	35.5 ppb	22-Jun 22:00 23:00
Maximum 24-hr Value:	13.3 ppb	17-Jun

AIC Time:	32 hrs	Operational Time:	677 hrs
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	26.5 20.3 11.6 4.7 2.8 1.5 0.9	7.7 ppb	4.7 ppb

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	24:00		
1-Jun-07	19	18	22	20	19	15	12	9	8	6	3	2	1	1	1	1	A	A	3	4	10	17	19	21	10.5	21.5
2-Jun-07	16	15	16	15	17	16	7	6	4	4	3	3	2	5	A	5	2	3	3	6	9	20	26	8.9	25.9	
3-Jun-07	19	10	9	13	12	15	9	4	4	2	2	1	1	1	A	3	2	2	2	3	8	8	8	5	6.2	19.4
4-Jun-07	5	9	8	9	10	6	3	2	2	3	2	2	2	2	2	2	2	2	2	5	5	4	13	4.7	13.2	
5-Jun-07	19	11	10	A	17	17	14	5	5	5	4	3	3	3	2	2	2	2	2	3	5	6	5	4	6.5	18.9
6-Jun-07	3	3	A	7	6	6	5	4	2	1	1	1	1	1	1	1	1	1	1	1	7	7	14	12	3.8	13.9
7-Jun-07	12	A	22	21	16	14	13	6	4	3	3	2	2	2	2	2	3	3	5	4	4	7	6	5	7.0	21.6
8-Jun-07	A	9	7	8	8	5	4	2	2	1	1	1	1	1	1	1	1	1	1	2	11	7	4	A	3.6	10.5
9-Jun-07	11	13	14	14	8	6	4	4	2	2	2	2	1	1	1	1	1	1	1	2	4	4	A	8	4.8	14.3
10-Jun-07	6	5	5	6	5	5	4	4	4	4	3	3	4	4	4	5	6	4	4	5	14	A	8	12	5.5	14.0
11-Jun-07	14	13	16	11	13	9	7	5	4	4	4	3	3	2	2	2	2	4	4	4	A	20	21	7	7.5	21.1
12-Jun-07	7	12	16	9	8	8	6	3	2	2	2	3	3	2	2	4	3	3	3	A	11	15	7	5.9	15.7	
13-Jun-07	17	21	18	14	9	7	5	4	3	3	3	4	3	2	3	2	2	4	A	7	15	19	16	8.4	20.7	
14-Jun-07	18	17	16	15	14	12	9	8	8	4	5	7	2	2	4	4	4	A	5	4	9	11	11	8.6	17.8	
15-Jun-07	6	7	8	12	12	6	5	3	3	3	3	3	3	3	3	4	A	8	6	5	4	7	17	20	6.5	20.4
16-Jun-07	18	17	15	15	12	13	6	4	4	3	3	3	2	3	3	A	7	5	6	6	12	21	20	9.6	22.4	
17-Jun-07	26	17	20	17	17	16	13	10	7	4	3	12	3	2	A	5	3	2	6	9	23	35	35	13.3	35.1	
18-Jun-07	23	19	17	18	17	13	10	5	4	4	4	C	C	C	C	A	8	4	4	4	4	4	4	N	22.8	
19-Jun-07	4	4	13	A	7	4	6	3	3	3	2	2	2	2	4	5	4	5	4	8	14	9	20	6.1	20.2	
20-Jun-07	17	25	16	A	18	14	12	7	5	4	3	4	4	4	4	21	10	14	7	10	19	16	17	11.8	25.1	
21-Jun-07	20	20	A	8	5	6	4	4	5	5	3	2	2	2	2	2	2	2	3	9	24	29	12	7.6	28.9	
22-Jun-07	25	A	18	14	14	11	21	5	5	3	4	3	4	2	2	2	4	4	3	5	18	28	35	11.2	35.5	
23-Jun-07	A	26	26	19	19	15	14	5	4	3	3	2	2	2	2	2	3	2	3	10	20	27	A	9.5	26.5	
24-Jun-07	18	19	17	14	14	13	7	4	3	3	2	3	3	2	2	4	4	4	5	5	7	11	A	8.2	24.1	
25-Jun-07	17	19	20	19	20	14	7	6	6	6	4	3	5	3	2	3	5	8	10	18	A	27	28	11.0	28.4	
26-Jun-07	21	20	16	19	17	13	5	3	2	2	C	C	C	C	C	3	2	2	2	7	17	21	20	11.0	21.2	
27-Jun-07	17	12	14	A	12	9	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7.0	16.9	
28-Jun-07	7	7	A	10	9	5	4	4	5	4	4	4	4	4	4	4	4	4	4	6	5	4	5	5.2	9.8	
29-Jun-07	8	A	14	20	15	12	8	6	5	6	5	5	5	5	5	6	4	4	5	11	8	7	13	7.9	19.6	
30-Jun-07	A	20	5	5	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3.5	20.0	
	Hourly Avg	14.5	14.4	14.6	13.5	12.4	10.2	7.8	4.8	4.0	3.5	3.1	3.2	2.6	2.4	2.7	3.5	3.4	3.7	3.8	4.8	10.0	12.8	15.3	13.8	
	Hourly Max	25.9	26.4	25.7	21.4	20.1	17.0	21.2	10.4	8.3	6.3	5.2	12.0	4.9	4.5	5.1	21.5	9.8	14.1	7.9	10.0	23.1	35.1	35.5	28.4	

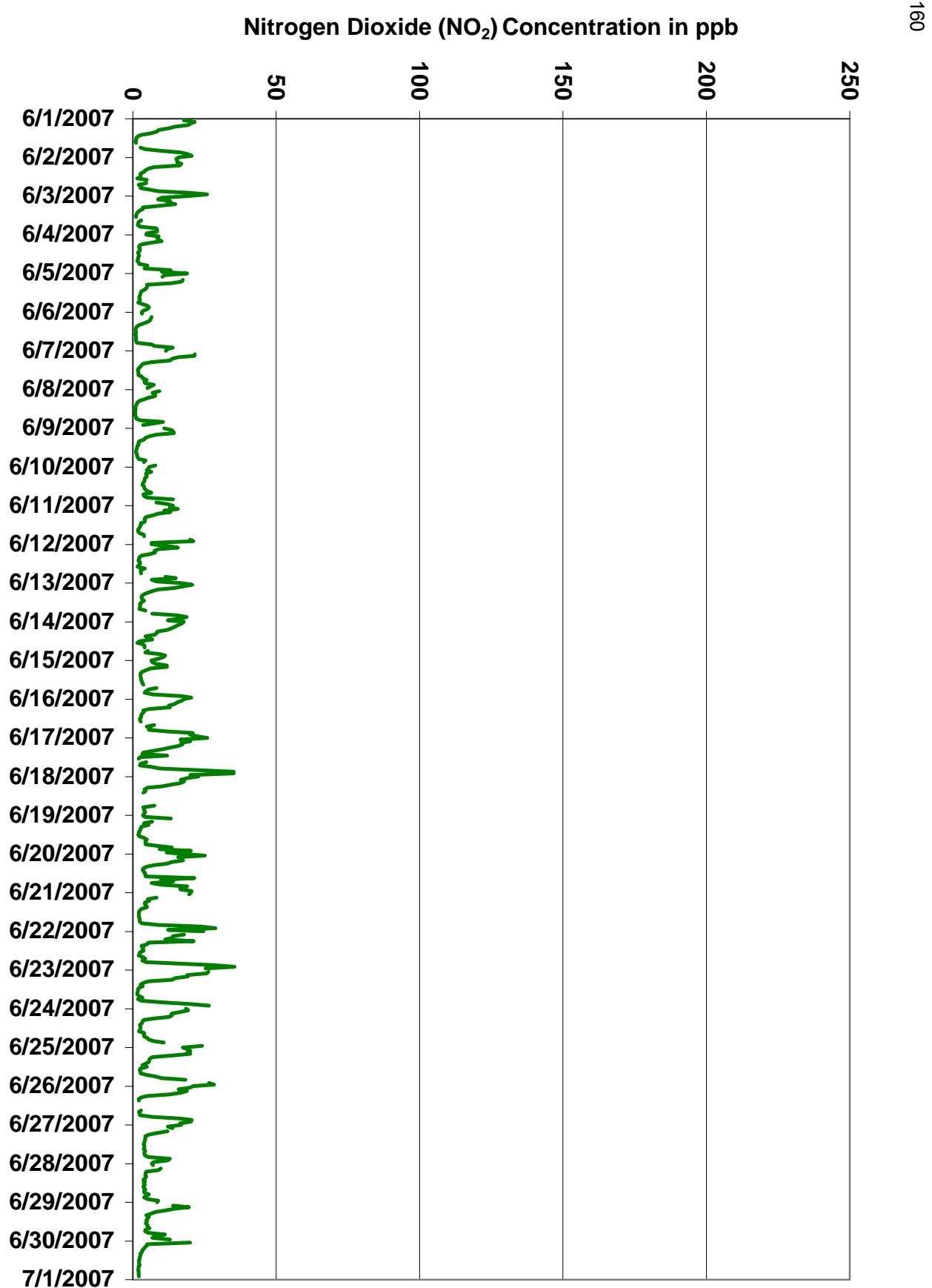
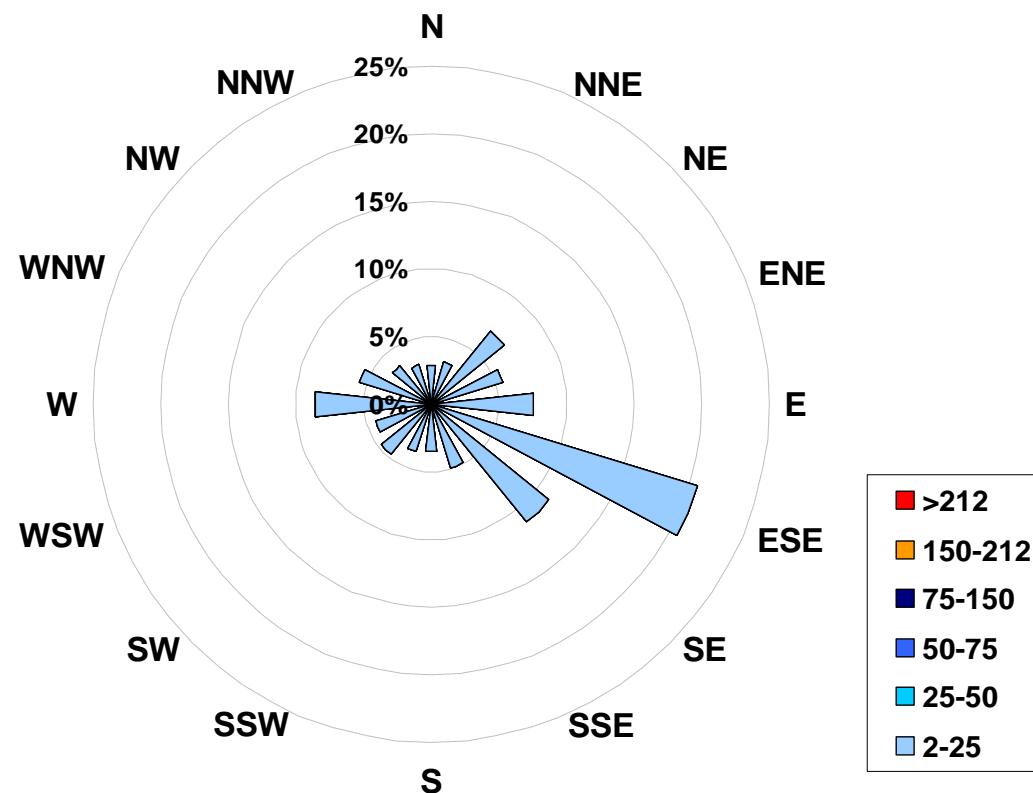


Figure 49. PASZA - Portable-Falher Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO ₂ in ppb			Frequency (hrs)
Range			
2.0	<	25	663
25	to	50	13
50	to	75	1
75	to	150	0
150	to	212	0
> 212			0
Total Non-Zero Values			677

PASZA - Portable-Falher - Nitric Oxide Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary

Maximum 1-hr Average:	51.0	ppb	25-Jun	23:00 0:00
Maximum 24-hr Average:	11.0	ppb	26-Jun	

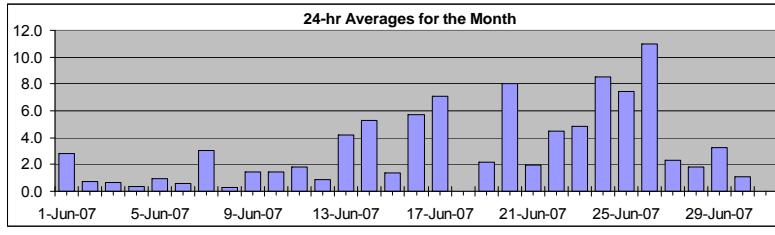
AIC Time:	32 hrs		Operational Time:	677 hrs									
Calibration Time:	11 hrs		AMD Operational Uptime:	100.0%									
Percentile	99	95	75	50	25	5	1	Average	3.4	ppb	Median	1.2	ppb
	30.3	16.8	2.5	1.2	0.5	0.1	0.0						

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-Jun-07	1	1	2	11	17	17	3	3	2	1	0	0	0	0	0	0	A	A	0	0	1	1	1	1	1	2.8	17.5
2-Jun-07	0	1	1	2	1	3	1	1	0	0	0	0	0	0	0	1	A	0	0	0	0	0	1	1	1	0.7	3.1
3-Jun-07	1	1	0	0	1	6	1	1	1	0	0	0	0	0	0	A	0	0	0	0	0	1	1	1	1	0.7	6.0
4-Jun-07	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4	0.6
5-Jun-07	1	1	1	A	2	8	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1.0	7.6
6-Jun-07	0	0	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.5	1.1
7-Jun-07	0	A	6	18	19	15	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3.1	19.0
8-Jun-07	A	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.3	0.9
9-Jun-07	2	3	9	6	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	A	1.5	8.7
10-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	4	A	2	3	1.5	3.6
11-Jun-07	6	3	4	4	5	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	A	3	4	1	1.8	6.5
12-Jun-07	1	1	3	2	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	A	2	2	1	1	0.9	3.0
13-Jun-07	2	23	13	10	3	1	1	1	1	1	1	1	1	1	1	0	0	1	A	2	4	15	11	4	4.2	23.1	
14-Jun-07	14	15	15	14	29	12	6	3	3	1	1	1	1	0	1	1	2	A	0	0	0	1	1	1	1	5.3	28.9
15-Jun-07	0	0	1	2	3	1	1	1	1	1	0	1	1	2	2	2	A	1	0	1	1	2	4	6	1.4	5.6	
16-Jun-07	15	8	15	12	8	6	3	2	2	2	1	2	1	1	1	1	A	2	2	3	2	5	6	9	23	5.7	22.6
17-Jun-07	24	27	22	23	11	6	7	5	3	1	1	1	0	0	0	A	0	0	0	1	3	3	7	8	9	7.1	26.8
18-Jun-07	18	28	30	17	9	6	2	2	1	2	1	C	C	C	C	C	A	1	1	1	1	2	2	N	30.5	2.2	8.3
19-Jun-07	2	2	2	A	3	2	2	2	2	1	1	2	1	1	2	2	2	2	3	3	3	2	8	2	8.0	34.7	
20-Jun-07	12	18	19	A	35	30	10	4	3	2	1	2	2	2	2	2	2	2	2	3	8	11	8	5	2.0	9.0	
21-Jun-07	9	7	A	2	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	0	1	8	1	4.5	16.7	
22-Jun-07	11	A	7	8	10	5	3	3	3	1	1	1	1	1	1	0	1	1	1	1	1	1	1	15	17	4.8	22.9
23-Jun-07	A	21	16	11	23	10	4	3	2	1	1	0	0	0	0	1	1	1	1	1	1	1	7	3	A	7.5	51.0
24-Jun-07	18	37	44	30	18	16	6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	A	8.5	43.5
25-Jun-07	4	7	15	15	18	10	4	3	3	2	1	1	1	1	0	0	0	0	0	1	3	3	3	A	26	51	
26-Jun-07	36	25	50	23	8	11	5	3	1	1	C	C	C	C	C	1	0	0	0	2	6	13	17	7	11.0	49.9	
27-Jun-07	6	5	5	A	5	4	3	2	2	2	2	1	1	1	1	1	2	1	1	1	1	2	2	1	1	2.3	6.2
28-Jun-07	1	2	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1.8	2.3	
29-Jun-07	2	A	3	7	17	9	5	3	2	2	2	2	2	2	2	1	2	2	2	2	1	2	2	3	3.2	17.2	
30-Jun-07	A	3	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	1	A	1.1	2.6			

Hourly Avg	7.0	8.9	10.5	8.5	8.4	6.4	2.9	1.9	1.5	1.1	0.9	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	1.1	1.9	3.5	4.9	5.5
Hourly Max	35.7	37.2	49.9	30.2	34.7	29.7	10.1	4.9	3.1	2.0	2.5	2.0	1.9	2.1	2.2	2.3	2.2	2.4	2.9	3.1	7.6	15.0	26.5	51.0

HOURLY AVERAGE TABLE

Nitric Oxide (NO)



Status Flag Characters

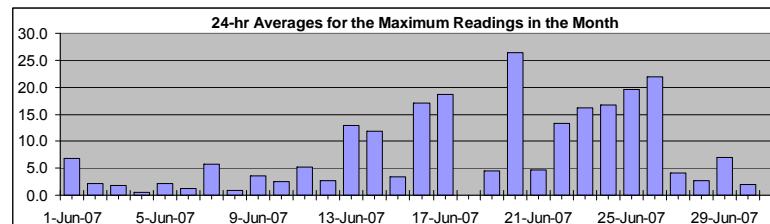
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)



Summary

Maximum 1-hr Value:	158.1 ppb	25-Jun 23:00 0:00
Maximum 24-hr Value:	26.5 ppb	20-Jun

AIC Time:	32 hrs	Operational Time:	677 hrs
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	8.3 ppb
	89.4 44.1 5.1 2.2 1.0 0.4 0.3	Median	2.2 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	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-Jun-07	5	9	11	29	29	34	6	4	3	2	1	0	0	0	0	0	0	A	A	0	1	1	4	4	7	6.8	33.6	
2-Jun-07	1	1	2	6	4	7	1	1	1	1	1	0	1	0	0	3	A	0	0	0	0	1	2	3	13	2.2	12.5	
3-Jun-07	5	2	1	3	5	11	3	1	1	0	0	0	0	0	0	A	0	0	0	0	0	1	2	1	1	1.7	10.7	
4-Jun-07	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0.6	0.9		
5-Jun-07	1	1	1	A	7	18	7	2	2	1	1	0	1	0	0	1	1	1	0	1	0	1	1	1	2.1	17.8		
6-Jun-07	1	1	A	2	2	2	2	1	1	1	1	0	1	1	1	0	0	0	1	0	1	2	2	5	3	1.2	4.8	
7-Jun-07	3	A	23	32	24	27	9	3	1	1	1	0	0	0	0	0	0	0	2	0	1	1	1	1	1	5.8	32.2	
8-Jun-07	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	5	2	1	A	0.8	5.0		
9-Jun-07	3	17	20	22	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	A	3.6	22.1		
10-Jun-07	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	9	A	2	7	2.6	8.8	
11-Jun-07	21	15	15	7	12	5	3	2	2	2	2	1	1	1	1	1	1	2	1	1	A	6	14	1	5.1	21.4		
12-Jun-07	1	12	17	4	3	1	1	1	1	1	1	1	1	1	0	3	1	1	1	A	4	6	1	1	2.7	16.6		
13-Jun-07	13	74	34	19	5	2	2	2	1	1	2	2	2	2	2	2	1	1	2	A	3	11	52	59	7	13.0	74.3	
14-Jun-07	34	31	31	45	48	33	9	7	5	3	4	5	1	0	3	3	3	A	2	1	2	2	1	1	1	11.9	47.9	
15-Jun-07	0	1	1	5	5	2	2	2	2	2	2	3	2	2	3	2	A	2	1	2	1	3	10	25	3.5	25.0		
16-Jun-07	54	23	39	19	15	14	4	3	3	3	2	2	2	3	3	A	5	5	5	5	8	18	68	87	17.0	86.7		
17-Jun-07	105	81	38	46	24	20	8	8	4	2	3	5	2	1	A	2	0	0	4	5	6	18	17	31	18.8	105.3		
18-Jun-07	57	60	60	32	13	9	7	2	2	3	2	C	C	C	C	C	C	A	2	1	2	2	3	3	N	60.0		
19-Jun-07	3	3	9	A	4	4	7	2	2	2	2	2	2	2	4	3	4	4	3	4	7	3	25	3	4.4	24.7		
20-Jun-07	126	139	49	A	80	62	16	8	4	3	2	3	3	3	3	19	5	7	4	6	13	14	26	14	26.5	139.3		
21-Jun-07	18	15	A	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1	17	27	2	4.7	27.0		
22-Jun-07	19	A	10	12	12	9	22	4	4	2	2	2	1	1	2	1	1	1	1	1	1	5	28	99	63	13.3	99.0	
23-Jun-07	A	56	62	28	96	15	10	4	4	1	3	1	1	1	1	1	1	1	2	1	1	1	3	18	44	A	16.1	96.1
24-Jun-07	49	77	87	48	36	23	12	5	3	2	2	2	2	2	2	4	2	2	2	2	3	4	A	14	87.3			
25-Jun-07	7	26	29	29	32	12	8	5	5	4	2	2	2	1	1	1	1	2	5	7	9	A	103	158	19.6	158.1		
26-Jun-07	75	47	76	66	18	24	6	4	2	1	C	C	C	C	C	2	1	1	1	6	12	25	35	12	21.9	75.9		
27-Jun-07	14	7	14	A	7	5	4	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	4.1	14.3	
28-Jun-07	3	2	A	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	2.7	3.5	
29-Jun-07	3	A	6	38	36	13	7	5	3	3	4	3	3	3	3	3	3	3	2	3	3	3	2	3	6	6.9	37.8	
30-Jun-07	A	9	2	2	2	2	2	3	2	2	2	2	2	2	2	2	1	1	1	0	1	1	A	2.0	8.9			

Hourly Avg 23.1 26.4 23.7 19.3 17.6 12.1 5.6 3.0 2.4 1.8 1.8 1.7 1.5 1.3 1.7 2.2 1.6 1.7 1.7 2.2 4.0 8.5 20.1 17.3
 Hourly Max 125.7 139.3 87.3 65.6 96.1 62.3 21.9 8.2 5.2 3.9 4.3 5.2 3.1 3.4 4.0 18.8 5.1 7.5 5.1 7.2 12.7 52.1 103.1 158.1

PASZA - Portable-Falher - Oxides of Nitrogen Monthly Summary

Station: Portable-Falher
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

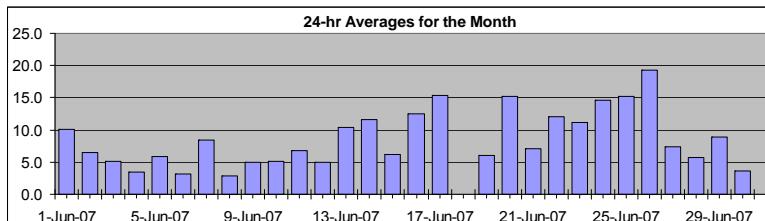
Guideline Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
Summary

Maximum 1-hr Average:	68.8	ppb	25-Jun	23:00 0:00
Maximum 24-hr Average:	19.3	ppb	26-Jun	

AIC Time:	32 hrs	Operational Time:	677 hrs						
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	45.4	31.7	9.6	4.8	2.7	1.3	0.8	8.7 ppb	4.8 ppb

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)



Status Flag Characters

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

Day	Mountain Standard Time																								24-hour Average	Daily Maximum
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	
1-Jun-07	15	14	20	26	32	29	13	10	8	4	2	1	1	1	1	A	A	2	4	7	10	12	9	10.1	32.1	
2-Jun-07	8	11	12	13	15	16	6	4	3	3	2	2	2	1	2	A	3	2	2	4	7	10	17	6.5	16.8	
3-Jun-07	12	8	8	9	10	18	5	3	3	2	1	1	1	1	A	2	2	2	2	6	9	7	4	5.1	18.4	
4-Jun-07	4	5	5	6	6	3	3	3	2	3	2	2	2	2	2	1	2	2	3	4	4	7	8	3.4	7.8	
5-Jun-07	10	9	10	A	15	22	12	5	6	5	4	3	2	2	2	2	2	2	2	5	5	5	3	5.8	22.4	
6-Jun-07	3	3	A	6	6	6	5	3	2	1	1	1	1	1	1	1	1	1	1	4	6	11	10	3.2	10.8	
7-Jun-07	10	A	23	35	32	27	14	7	3	3	2	1	1	2	1	1	2	2	4	3	4	7	5	4	8.4	34.8
8-Jun-07	A	8	6	7	7	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	4	4	3	A	2.8	8.1
9-Jun-07	11	13	21	16	8	6	3	3	2	2	2	1	2	1	1	1	1	1	2	2	4	4	A	7	5.0	20.9
10-Jun-07	6	5	5	5	5	5	5	4	4	4	4	4	4	4	5	4	5	4	4	5	11	A	7	11	5.2	11.4
11-Jun-07	17	11	14	13	13	8	6	4	3	4	3	2	2	2	1	1	1	2	2	3	A	20	17	6	6.9	20.3
12-Jun-07	6	8	11	9	7	7	5	2	2	2	2	2	2	2	1	2	2	2	2	A	10	12	7	8	5.0	12.3
13-Jun-07	13	39	26	22	10	6	5	4	4	3	3	4	3	2	2	2	2	4	A	7	12	31	24	14	10.5	39.3
14-Jun-07	29	29	28	27	39	21	13	9	9	5	4	4	4	2	1	3	4	4	A	4	3	6	7	8	11.6	39.1
15-Jun-07	6	6	8	12	11	7	4	3	3	2	3	2	3	3	4	4	4	A	6	4	4	4	7	15	20.0	6.1
16-Jun-07	28	23	28	22	18	15	7	5	4	4	3	3	2	3	3	A	6	6	7	6	12	21	23	38	12.5	37.7
17-Jun-07	41	42	38	38	26	20	18	13	8	4	3	2	2	1	A	3	2	2	5	8	13	19	23	15.4	41.7	
18-Jun-07	35	44	45	31	22	17	9	5	5	5	4	C	C	C	C	C	A	5	3	4	4	5	4	N	44.9	
19-Jun-07	4	4	7	A	8	5	5	4	4	3	3	3	3	3	4	5	5	5	5	7	12	8	22	11	6.1	22.0
20-Jun-07	22	33	33	A	47	40	19	9	6	4	4	4	5	4	5	5	5	6	6	8	20	26	22	16	15.3	47.4
21-Jun-07	23	21	A	7	5	5	4	5	5	6	4	3	2	2	2	2	2	2	3	3	4	12	28	8	7.0	28.5
22-Jun-07	30	A	22	18	20	13	9	6	6	4	4	4	4	2	2	2	3	3	3	4	11	32	39	36	12.1	39.4
23-Jun-07	A	42	33	27	37	23	11	7	5	3	3	2	1	2	2	2	2	2	2	5	21	11	A	11.1	41.6	
24-Jun-07	34	52	56	42	30	26	11	7	5	4	3	3	2	2	2	4	4	4	4	6	7	7	A	14.6	55.9	
25-Jun-07	15	19	31	30	33	20	10	8	8	6	4	3	3	2	2	2	2	2	5	16	30	34	20	15.1	68.8	
26-Jun-07	52	41	63	38	21	20	9	5	3	3	C	C	C	C	C	2	2	2	2	5	16	30	34	19.3	62.6	
27-Jun-07	17	15	13	A	15	10	7	6	6	5	5	5	5	5	4	4	5	5	5	5	9	9	6	7.4	17.2	
28-Jun-07	7	6	A	9	8	6	6	5	6	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5.7	9.7	
29-Jun-07	9	A	14	20	30	18	11	9	6	5	7	5	5	5	4	5	5	5	4	5	6	8	6	10	8.8	30.0
30-Jun-07	A	12	6	5	5	4	4	4	3	3	3	3	3	3	3	3	2	2	1	2	3	A	3.6	12.1		

Hourly Avg	17.2	19.4	21.7	19.0	18.1	14.3	8.1	5.6	4.5	3.6	3.1	2.7	2.5	2.3	2.5	2.7	2.9	3.0	3.4	4.2	7.6	12.0	14.9	14.9
Hourly Max	51.9	51.9	62.6	42.0	47.4	40.5	19.2	12.7	8.7	6.2	6.6	5.4	5.0	4.9	4.9	5.4	6.4	6.5	7.7	9.4	20.3	31.7	47.1	68.8

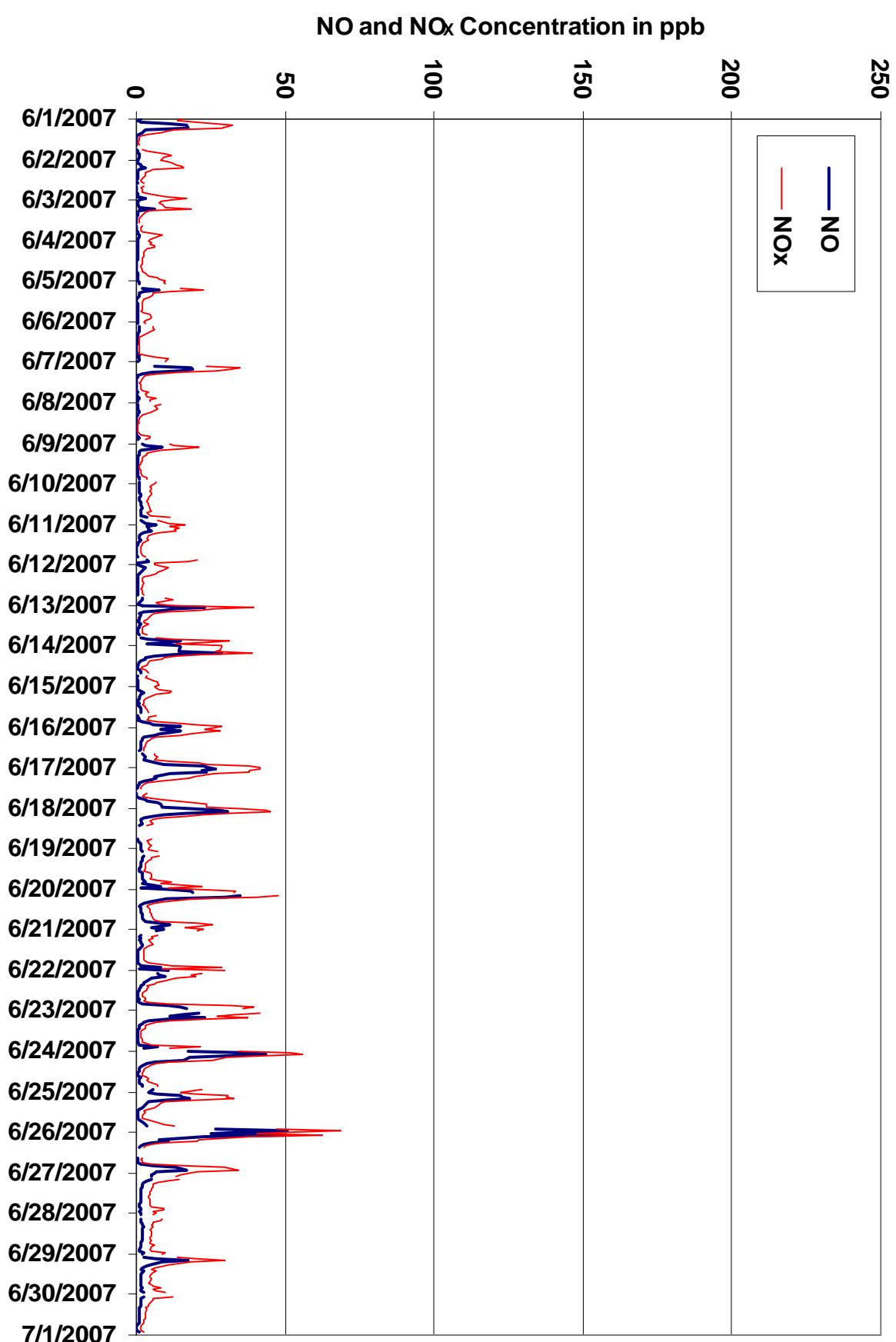


Figure 50. PASZA - Portable-Falher Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

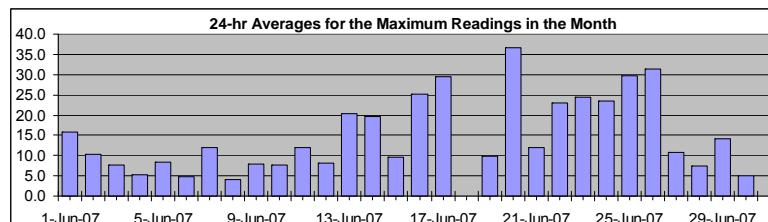
Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	185.3 ppb	25-Jun 23:00 0:00
Maximum 24-hr Value:	36.7 ppb	20-Jun

AIC Time:	32 hrs	Operational Time:	677 hrs
Calibration Time:	11 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	105.7 56.3 15.8 6.9 4.0 1.9 1.1	15.1 ppb	6.9 ppb

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-Jun-07	21	25	27	41	44	42	18	13	11	8	3	2	1	1	1	1	1	A	A	3	5	11	20	20	27	15.7	44.0
2-Jun-07	17	16	17	21	18	21	8	7	5	5	3	3	2	2	7	A	5	2	3	3	7	10	22	32	10.2	32.2	
3-Jun-07	24	10	10	16	16	25	12	4	5	3	2	2	1	1	A	3	2	2	2	3	9	10	10	6	7.7	25.1	
4-Jun-07	5	10	9	10	11	7	4	3	3	3	3	2	2	3	2	2	2	2	3	6	5	5	14	11	5.2	14.0	
5-Jun-07	20	12	12	A	24	34	21	6	6	6	5	3	3	3	2	2	2	3	3	2	4	5	6	6	4	8.4	33.8
6-Jun-07	3	4	A	8	8	8	6	5	3	2	2	1	1	1	1	1	1	1	1	2	9	9	16	14	4.7	16.2	
7-Jun-07	13	A	40	47	38	39	22	9	4	4	3	2	2	2	2	2	5	3	6	5	5	9	7	6	11.9	47.1	
8-Jun-07	A	10	8	8	8	6	5	3	2	1	1	1	1	1	1	1	1	1	1	3	15	9	4	A	4.1	14.7	
9-Jun-07	13	28	33	34	10	7	6	5	3	3	3	2	2	2	2	2	2	2	2	3	6	5	A	9	8.0	33.8	
10-Jun-07	7	7	6	8	6	7	7	6	6	5	5	5	5	6	6	7	8	5	5	7	22	A	10	19	7.6	21.8	
11-Jun-07	34	26	29	18	24	13	9	6	6	6	6	3	4	3	3	2	2	4	5	4	A	25	34	7	11.9	34.2	
12-Jun-07	7	23	32	12	10	9	7	4	3	2	2	3	3	3	2	7	3	3	3	A	14	20	7	9	8.3	32.1	
13-Jun-07	30	87	48	32	13	8	7	5	4	4	4	4	6	4	4	3	3	6	A	9	26	67	74	19	20.3	86.9	
14-Jun-07	49	47	44	55	58	43	17	15	12	7	9	11	4	2	6	7	7	A	6	5	11	14	12	10	19.5	57.9	
15-Jun-07	7	7	9	16	16	8	6	5	4	4	5	5	5	5	6	6	6	A	9	7	6	5	10	25	44	9.6	44.4
16-Jun-07	66	37	52	32	25	26	10	6	7	6	5	5	4	4	5	A	11	10	11	10	19	39	85	105	25.2	105.5	
17-Jun-07	118	93	54	58	40	33	19	18	11	5	5	17	4	2	A	6	3	3	9	14	27	46	45	50	29.5	117.5	
18-Jun-07	74	76	73	46	29	21	17	7	6	7	C	C	C	C	C	A	9	4	5	6	7	6	N	76.4	9.8		
19-Jun-07	6	6	21	A	9	8	12	5	5	4	4	4	3	4	8	8	7	8	7	12	18	11	41	14	36.7	40.8	
20-Jun-07	140	150	61	A	92	74	27	15	8	6	5	7	7	7	8	40	15	21	11	16	31	30	42	33	11.9	54.6	
21-Jun-07	37	34	A	10	7	8	6	6	7	6	4	3	3	3	3	3	3	3	4	10	41	55	13	22.9	110.9		
22-Jun-07	42	A	26	25	25	19	43	10	9	5	6	5	5	4	4	3	4	6	4	6	23	56	111	87	24.5	106.5	
23-Jun-07	A	79	81	46	106	28	24	9	7	4	7	3	2	2	2	3	6	3	4	14	38	70	A	23.5	96.1		
24-Jun-07	61	90	96	59	47	35	19	8	7	5	4	4	5	3	3	7	5	6	7	7	10	14	A	29.7	185.3		
25-Jun-07	24	44	48	44	52	25	14	11	10	9	6	5	7	3	3	3	6	12	15	27	A	124	185	31.4	90.5		
26-Jun-07	91	61	87	80	34	37	11	7	4	3	C	C	C	C	C	5	3	3	3	13	28	44	55	27	10.7	30.0	
27-Jun-07	30	19	27	A	18	13	9	8	7	7	6	6	6	6	6	6	7	6	6	6	7	15	15	10	7.5	11.8	
28-Jun-07	10	9	A	12	11	7	8	7	8	7	6	7	6	7	7	6	7	6	6	8	7	5	7	12	14.1	50.8	
29-Jun-07	11	A	20	51	48	23	14	10	8	9	9	8	8	7	9	8	9	6	7	8	14	9	10	18	5.1	26.9	
30-Jun-07	A	27	7	6	6	5	5	4	5	4	4	4	4	4	4	3	3	3	3	2	2	3	A	33.2	30.2		
	Hourly Avg	35.6	38.4	36.2	30.6	28.4	21.3	13.1	7.6	6.1	5.1	4.6	4.6	3.8	3.4	4.1	5.5	4.7	5.1	5.2	6.7	13.5	20.5	30.6	66.6	124.3	185.3
	Hourly Max	139.7	150.1	96.1	79.8	106.5	74.3	42.8	17.6	12.2	9.2	8.9	17.1	7.5	7.0	8.7	40.0	14.9	21.2	11.8	15.8	30.6	66.6	124.3	185.3		



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

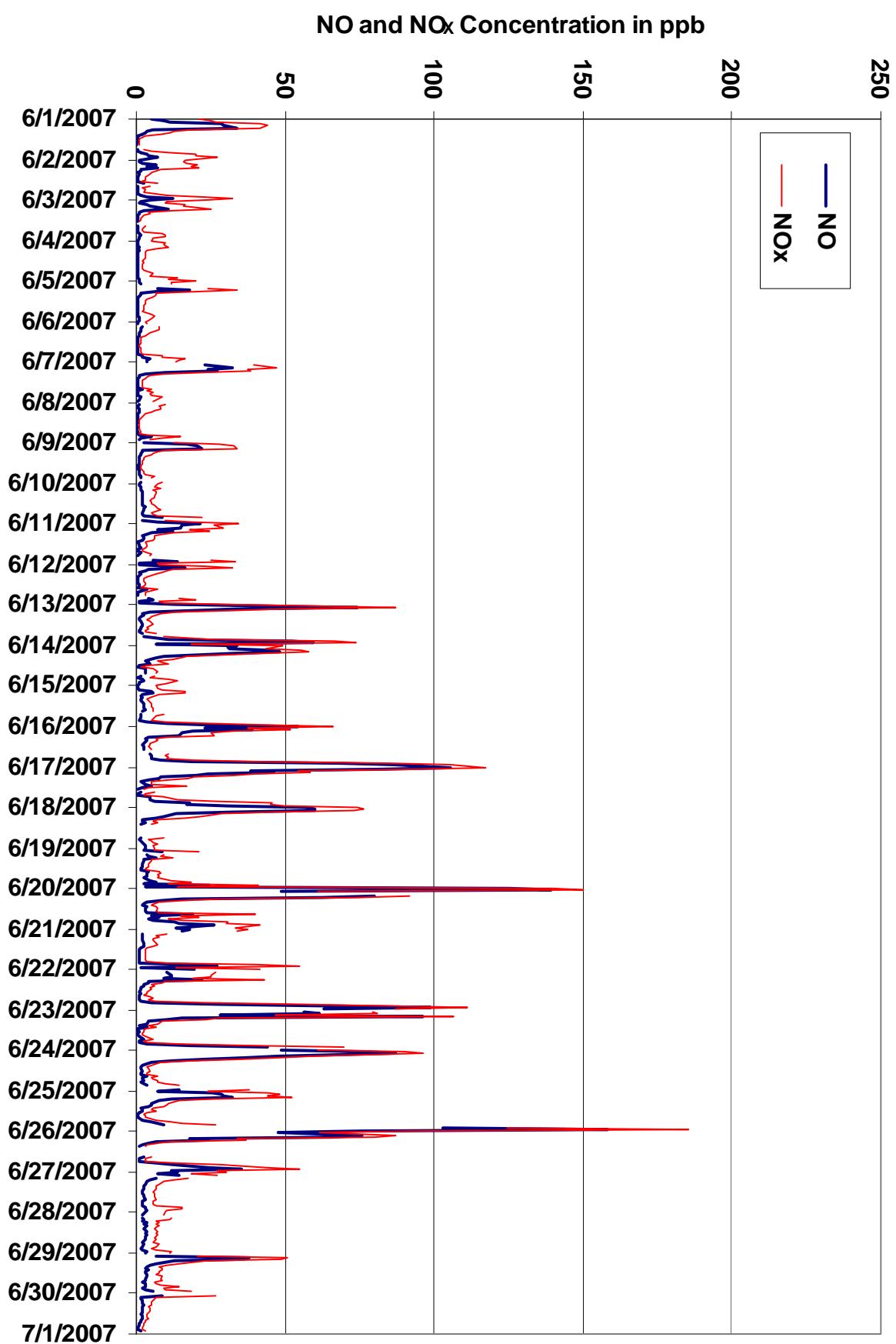


Figure 51. PASZA - Portable-Falher Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PASZA - Portable-Falher - Ozone Monthly Summary

Station: Portable-Falher
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 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:	52.7 ppb 1-Jun 13:00 14:00
Maximum 24-hr Average:	36.8 ppb 4-Jun

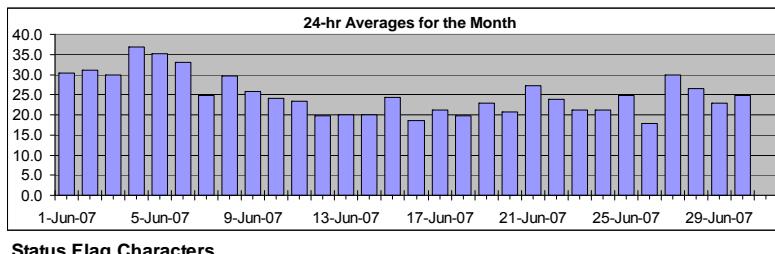
AIC Time:	31 hrs	Operational Time:	685 hrs						
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	52.0	44.1	34.0	26.1	15.9	3.8	1.3	25.1 ppb	26.1 ppb

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-Jun-07	13	11	5	4	2	3	18	24	32	42	50	52	53	53	52	52	52	49	A	23	18	16	25		30.4	52.7		
2-Jun-07	29	20	20	18	15	13	29	32	38	37	40	37	40	39	41	48	51	49	A	41	31	20	16	10		31.1	50.7	
3-Jun-07	13	14	15	14	13	9	27	32	34	39	42	43	43	44	45	46	44	A	42	39	27	16	18	24		29.8	45.6	
4-Jun-07	26	27	28	24	24	26	27	28	30	36	41	43	48	52	50	46	47	51	52	45	39	35	29	28		36.8	52.2	
5-Jun-07	25	23	19	A	13	8	20	30	35	42	49	51	48	49	47	43	41	40	40	40	49	39	27	29		35.1	51.5	
6-Jun-07	30	32	A	25	25	26	27	31	35	39	40	43	44	44	44	42	41	40	39	37	29	20	14	15		33.1	44.2	
7-Jun-07	15	A	3	1	1	4	13	25	33	32	37	40	42	44	45	45	38	31	24	26	22	15	18	17		24.9	45.5	
8-Jun-07	A	14	15	13	13	16	21	30	33	34	38	39	40	39	38	39	39	39	38	37	29	25	23	A		29.6	39.7	
9-Jun-07	11	9	5	7	14	19	22	24	28	31	32	34	33	35	36	37	36	35	35	33	28	27	A	25		25.9	36.7	
10-Jun-07	24	25	25	24	24	23	24	24	24	25	26	26	28	29	29	27	31	26	24	16	A	16	12			24.1	31.1	
11-Jun-07	6	10	8	6	8	12	14	18	21	25	30	34	38	38	39	39	40	40	38	34	A	9	11	19		23.3	40.4	
12-Jun-07	17	16	14	15	16	14	15	19	19	19	20	19	19	21	29	29	27	27	28	A	23	15	18	16		19.7	29.1	
13-Jun-07	11	3	5	3	7	12	14	18	20	23	26	28	33	36	37	38	40	37	A	33	17	4	5	11		19.9	39.7	
14-Jun-07	4	4	3	2	1	4	7	14	16	22	24	27	31	37	35	34	34	34	A	35	34	27	25	21	17		19.9	36.5
15-Jun-07	18	16	12	7	9	17	24	28	29	32	33	34	34	35	35	32	A	28	29	30	30	25	14	7		24.2	35.4	
16-Jun-07	4	4	3	4	6	9	16	20	23	27	31	30	30	30	32	A	30	29	26	27	19	9	8	7		18.5	31.7	
17-Jun-07	3	2	1	1	4	6	9	16	23	31	33	34	37	40	A	43	43	44	36	28	25	15	10	7		21.3	43.6	
18-Jun-07	4	2	1	5	8	7	10	18	20	23	27	32	34	35	36	24	C	C	A	26	23	21	23			19.7	36.0	
19-Jun-07	22	21	15	A	15	22	22	27	29	31	27	27	28	27	27	26	27	27	30	27	18	15	6	11		22.9	30.9	
20-Jun-07	11	4	2	A	1	3	8	20	26	29	33	33	33	34	34	35	35	34	33	29	15	6	8	13		20.8	35.4	
21-Jun-07	7	9	A	21	25	27	30	30	25	24	32	35	34	32	34	38	38	37	37	35	29	18	10	24		27.3	37.9	
22-Jun-07	4	A	6	8	7	13	17	20	22	28	29	30	33	39	40	42	38	38	43	40	28	12	8	7		24.0	42.9	
23-Jun-07	A	4	6	5	5	7	14	22	25	25	25	28	32	32	33	33	31	31	30	28	23	10	18	A		21.3	33.2	
24-Jun-07	2	1	1	1	3	5	15	22	23	26	29	31	32	33	33	32	33	32	33	36	30	27	29	A	13		21.3	35.7
25-Jun-07	16	11	4	5	6	13	20	21	26	31	35	41	43	43	44	43	41	39	32	27	22	A	6	4		24.9	43.6	
26-Jun-07	1	2	1	3	6	8	16	20	22	24	26	27	28	C	C	31	31	33	36	35	21	7	6	10		17.9	35.6	
27-Jun-07	10	10	10	A	10	13	17	20	26	31	36	39	40	41	41	42	43	44	43	41	38	31	27	32		29.8	44.1	
28-Jun-07	31	32	A	24	23	23	20	20	21	24	26	26	27	27	27	29	30	31	32	34	31	29	27	25	17		26.6	34.4
29-Jun-07	17	A	11	9	3	7	14	17	24	28	25	26	32	37	39	40	39	29	22	21	19	25	24	23		23.0	39.9	
30-Jun-07	A	15	28	24	22	26	30	28	26	24	26	27	26	23	23	21	23	24	23	26	25	26	28	A		24.8	29.8	

Hourly Avg	13.9	12.7	9.9	10.6	10.9	13.2	18.8	23.3	26.2	29.4	32.2	33.9	35.3	36.8	37.3	37.6	36.7	36.0	34.7	32.5	25.9	19.4	16.2	16.5
Hourly Max	31.0	32.4	27.9	25.3	24.7	27.2	30.1	32.1	38.3	42.4	49.7	51.7	52.5	52.7	52.6	52.1	52.4	52.1	45.2	48.9	39.3	29.3	32.1	

HOURLY AVERAGE TABLE

Ozone (O₃)



Status Flag Characters

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

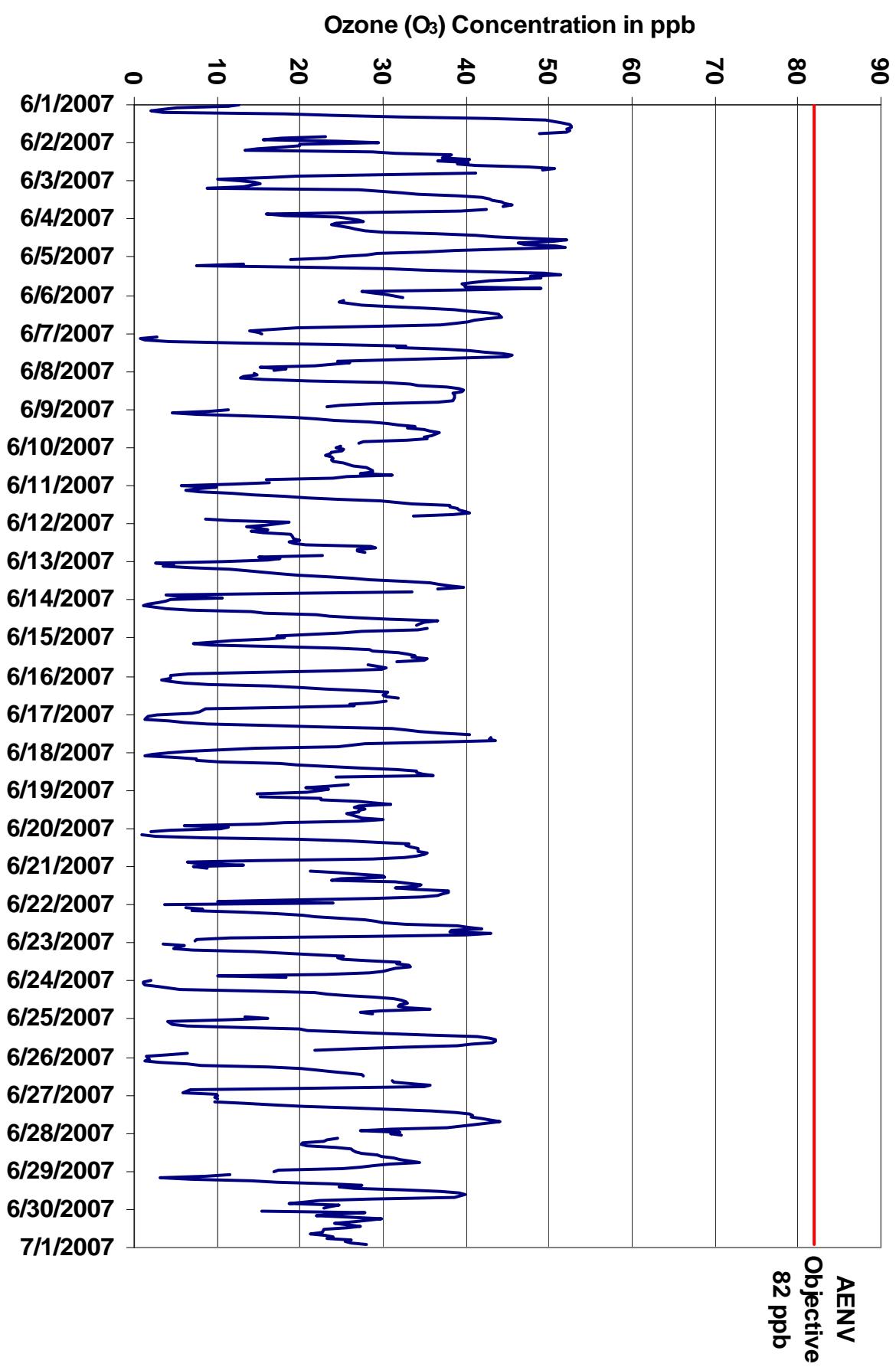


Figure 52. PASZA - Portable-Falher Ozone 1-hr Average Monthly Trend

Station: Portable-Falher
 Station Owner: PASZA

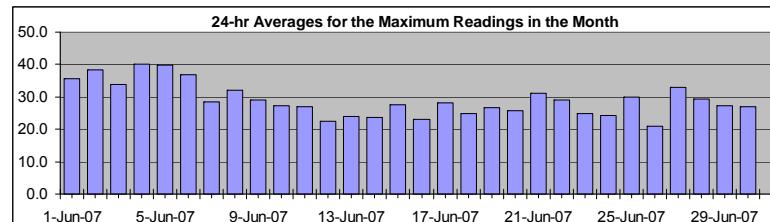
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O₃)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	55.6	ppb	4-Jun	14:00 15:00
Maximum 24-hr Value:	40.2	ppb	4-Jun	



AIC Time:	31 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	100.0%
Percentile	99 95 75 50 25 5 1	Average	Median
	54.8 47.1 37.1 29.3 20.5 9.1 2.8	29.1 ppb	29.3 ppb

Status Flag Characters

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

Day Mountain Standard Time

	Hour Start 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	24:00		
1-Jun-07	18	17	10	14	10	12	22	29	40	49	52	54	55	55	54	54	55	55	53	A	30	24	22	36	35.7	55.0
2-Jun-07	40	26	31	40	25	26	34	37	47	42	43	42	43	41	48	51	53	53	A	46	39	27	23	23	38.3	53.4
3-Jun-07	18	18	18	20	17	15	32	35	37	43	44	45	45	46	47	47	47	A	46	44	36	23	27	33.8	47.4	
4-Jun-07	28	30	30	26	26	28	29	29	35	41	44	47	52	55	56	51	51	55	55	54	42	38	33	32	40.2	55.6
5-Jun-07	32	30	25	A	18	13	30	33	40	47	53	54	52	51	51	46	44	42	43	48	55	47	32	32	39.9	54.9
6-Jun-07	34	36	A	31	28	29	32	34	39	41	43	45	46	46	46	45	43	42	41	40	36	23	21	22	36.7	46.4
7-Jun-07	21	A	7	2	3	8	20	30	35	36	41	42	44	46	47	48	44	37	27	28	27	19	20	19	28.4	48.0
8-Jun-07	A	17	16	15	15	18	26	35	35	36	41	41	41	41	40	40	40	40	40	39	36	27	27	A	32.1	41.3
9-Jun-07	16	16	11	14	17	22	24	27	31	33	36	35	35	37	39	39	37	37	37	36	31	30	A	28	29.0	38.8
10-Jun-07	26	28	28	27	26	26	25	26	26	26	28	28	31	32	32	35	36	28	27	25	A	19	17	27.2	36.1	
11-Jun-07	12	19	16	9	13	18	17	20	24	28	34	37	41	40	40	41	41	42	41	38	A	12	20	27.1	41.7	
12-Jun-07	19	20	18	18	18	17	19	20	20	20	21	21	25	34	31	29	28	32	A	28	21	19	18	22.6	34.3	
13-Jun-07	16	12	14	7	10	14	16	19	23	25	28	32	36	38	39	40	42	41	A	39	28	7	9	16	24.0	41.5
14-Jun-07	11	6	6	4	3	8	9	18	19	26	29	35	35	39	39	38	37	A	38	38	32	29	23	23.5	39.3	
15-Jun-07	21	18	14	12	15	19	29	31	31	34	35	36	36	37	38	35	A	35	33	34	32	30	21	12	27.7	38.0
16-Jun-07	11	10	8	9	9	14	18	23	27	30	33	32	32	32	34	32	32	32	29	26	18	17	16	22.9	34.1	
17-Jun-07	9	4	5	3	11	11	13	21	28	34	35	38	39	43	A	45	44	46	45	34	39	40	42	15	28.1	45.7
18-Jun-07	11	7	4	20	23	13	14	23	23	32	35	36	36	38	38	39	36	C	C	A	28	25	22	27	24.7	38.7
19-Jun-07	24	24	18	A	18	24	28	30	33	34	32	28	29	30	31	28	29	30	32	31	26	19	14	26.6	34.4	
20-Jun-07	21	13	9	A	2	5	13	25	28	33	35	35	36	37	38	38	37	36	35	34	27	9	23	25.7	37.5	
21-Jun-07	13	16	A	26	27	29	32	32	30	26	35	36	37	34	38	39	39	37	37	34	25	26	30	31.3	39.4	
22-Jun-07	9	A	10	12	12	18	22	24	26	31	32	34	36	43	42	43	43	44	45	45	37	21	19	19	28.9	45.2
23-Jun-07	A	10	11	8	12	17	20	26	27	26	29	31	34	33	34	35	33	32	31	30	28	16	22	A	24.7	34.9
24-Jun-07	4	1	1	1	4	10	22	23	25	28	31	33	34	35	36	35	33	35	41	35	32	35	A	24.1	40.7	
25-Jun-07	19	17	11	8	13	22	22	25	30	34	41	44	45	46	46	45	43	42	38	31	29	A	17	20	29.9	46.2
26-Jun-07	3	5	2	5	10	13	19	22	23	25	27	29	30	C	C	33	33	36	38	38	34	14	12	13	21.1	38.4
27-Jun-07	13	13	14	A	13	16	20	23	30	34	38	41	42	43	43	44	45	47	45	43	41	37	35	37	32.9	46.5
28-Jun-07	35	36	A	27	29	26	22	23	27	28	29	29	29	32	32	34	35	37	35	31	29	27	23	29.3	36.8	
29-Jun-07	21	A	17	18	7	11	16	21	27	29	28	32	36	40	42	43	44	36	27	23	27	27	28	27	27.3	44.3
30-Jun-07	A	25	31	26	24	29	32	29	28	25	27	29	28	24	24	24	25	24	28	27	27	29	A	26.9	31.7	

Hourly Avg	18.7	17.5	14.2	15.5	15.4	17.7	22.6	26.5	29.7	32.4	35.1	36.6	37.7	39.2	40.2	40.0	39.7	39.2	37.9	36.4	32.5	25.0	23.2	22.5
Hourly Max	40.4	36.2	31.2	40.4	29.3	29.4	33.8	36.7	47.5	49.2	52.5	54.0	54.8	55.0	55.6	54.0	54.5	55.1	55.1	53.6	54.9	46.8	42.1	36.7

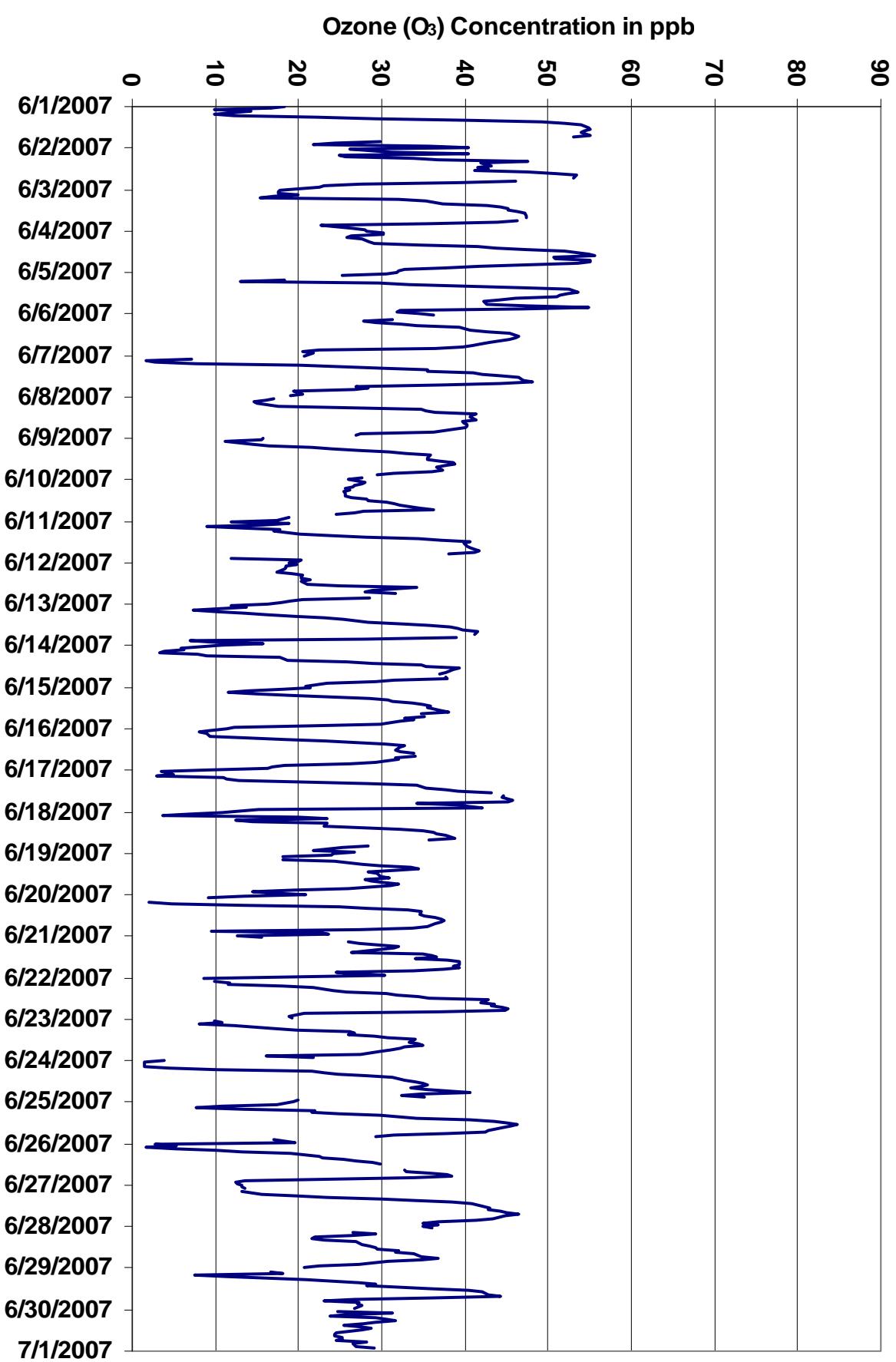
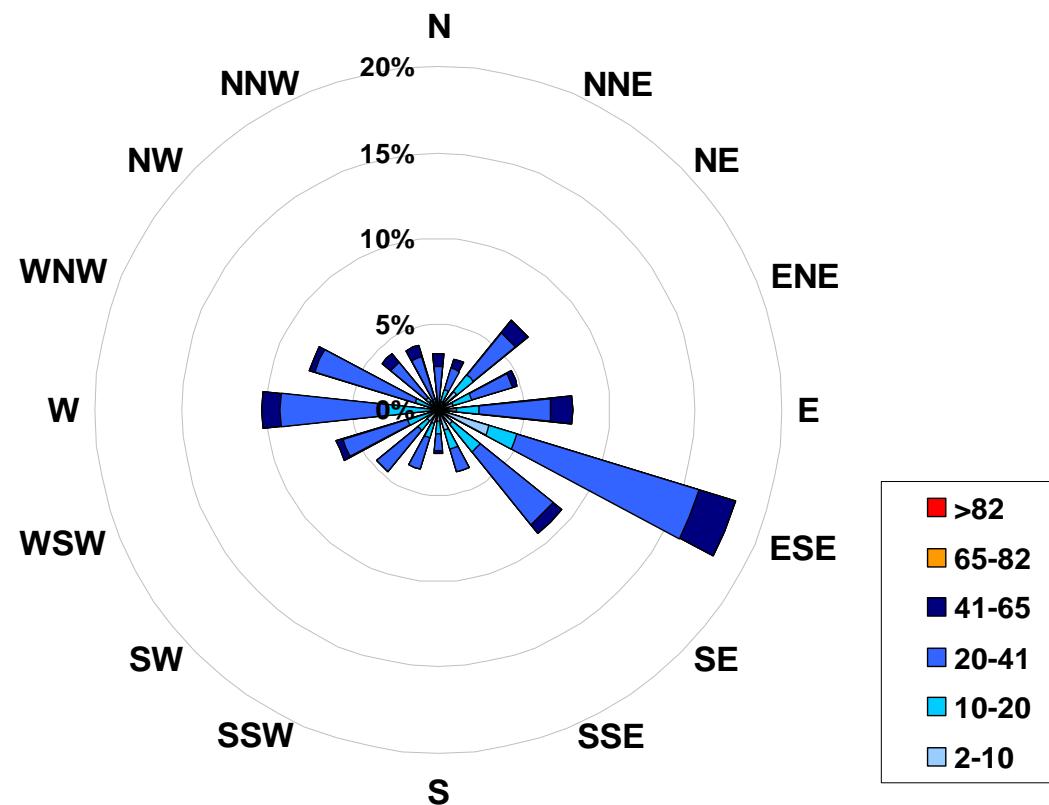


Figure 53. PASZA - Portable-Falher Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of O ₃ in ppb			Frequency (hrs)
Range			
2.0	<	10	104
10	to	20	120
20	to	41	397
41	to	65	64
65	to	82	0
> 82			0
Total Non-Zero Values			685

PASZA - Portable-Falher Ozone Eight Hour Average Summary

Station: Portable-Falher
 Station Owner: PASZA

EIGHT HOUR RUNNING AVERAGE TABLE

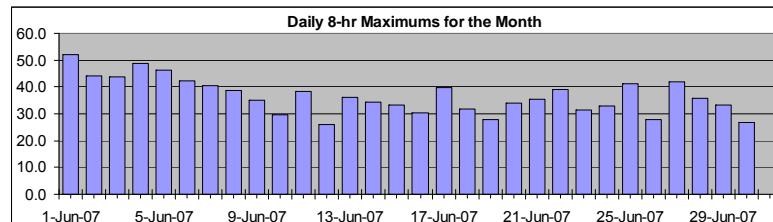
Ozone (O₃)

Monitoring Dates: June 1, 2007 to July 1, 2007

Objective Limit: Alberta Environment: 8-hr 65 ppb

Summary

Number of 8-hr Exceedances:	0
Maximum 8-hr Average:	52.0 ppb 1-Jun 17:00 18:00



Status Flag Characters

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

Day Mountain Standard Time

	Hour Start 1:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:

PASZA - Portable-Falher - Total Reduced Sulphur Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

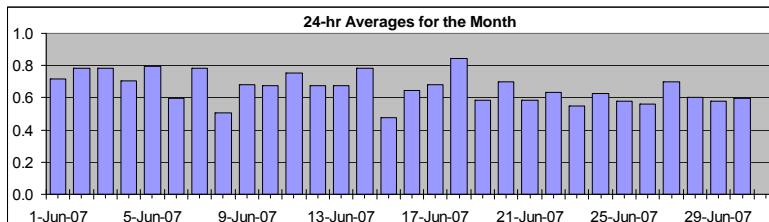
Objective Limit: Alberta Environment: 1-hr na ppb 24-hr na ppb
Summary

Maximum 1-hr Average:	2.7	ppb	7-Jun	5:00 6:00
Maximum 24-hr Value:	0.8	ppb	18-Jun	

AIC Time:	31 hrs	Operational Time:	682 hrs						
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.7	1.2	0.7	0.6	0.5	0.4	0.4	0.7 ppb	0.6 ppb

HOURLY AVERAGE TABLE

Total Reduced Sulphur (TRS)



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	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-Jun-07	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	A	1	1	1	1	1	0.7	1.2
2-Jun-07	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.7
3-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	0.8	1.5
4-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	0	1	1	0	1	1	1	1	0.7	1.2
5-Jun-07	1	1	1	1	A	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0.8	1.6
6-Jun-07	1	1	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0.6	1.3
7-Jun-07	1	A	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0.8	2.7
8-Jun-07	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0.5	0.6
9-Jun-07	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	A	1	0.7	1.5
10-Jun-07	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	0	1	1	1	1	A	1	1	0.7	1.5
11-Jun-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	0.8	1.2
12-Jun-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	0.7	1.1
13-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	A	1	1	1	1	0.7	1.1
14-Jun-07	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	A	0	0	0	0	1	0.8	2.4
15-Jun-07	1	1	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	A	0	0	0	0	0	0	1	0.5	0.6
16-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	1	0	1	1	1	1	0.6	0.9
17-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	A	1	0	0	1	1	1	0.7	1.5
18-Jun-07	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	C	C	C	C	A	1	1	1	0.8	2.3
19-Jun-07	1	1	1	A	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	1	0	0	1	1	1	0.6	1.0
20-Jun-07	1	1	1	A	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0.7	1.5
21-Jun-07	1	1	A	1	1	1	1	0	1	1	1	0	1	0	1	0	0	0	1	0	0	0	1	1	1	0.6	0.9
22-Jun-07	1	A	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0.6	1.0
23-Jun-07	A	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	1.1
24-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1	1	1	0.6	1.2
25-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	1.2
26-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	C	C	C	0	0	0	0	0	0	0	0	1	1	0.6	0.8
27-Jun-07	1	1	1	A	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0.7	1.9
28-Jun-07	1	1	A	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	1.4
29-Jun-07	1	A	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	1	0	1	1	1	1	1	1	0.6	0.8
30-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	1	1	1	0.6	0.9

Hourly Avg	0.8	0.8	0.8	0.9	1.0	1.1	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	
Hourly Max	1.2	1.2	1.2	1.4	2.3	2.7	1.8	1.5	1.0	1.5	1.0	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	0.8	1.5	1.0

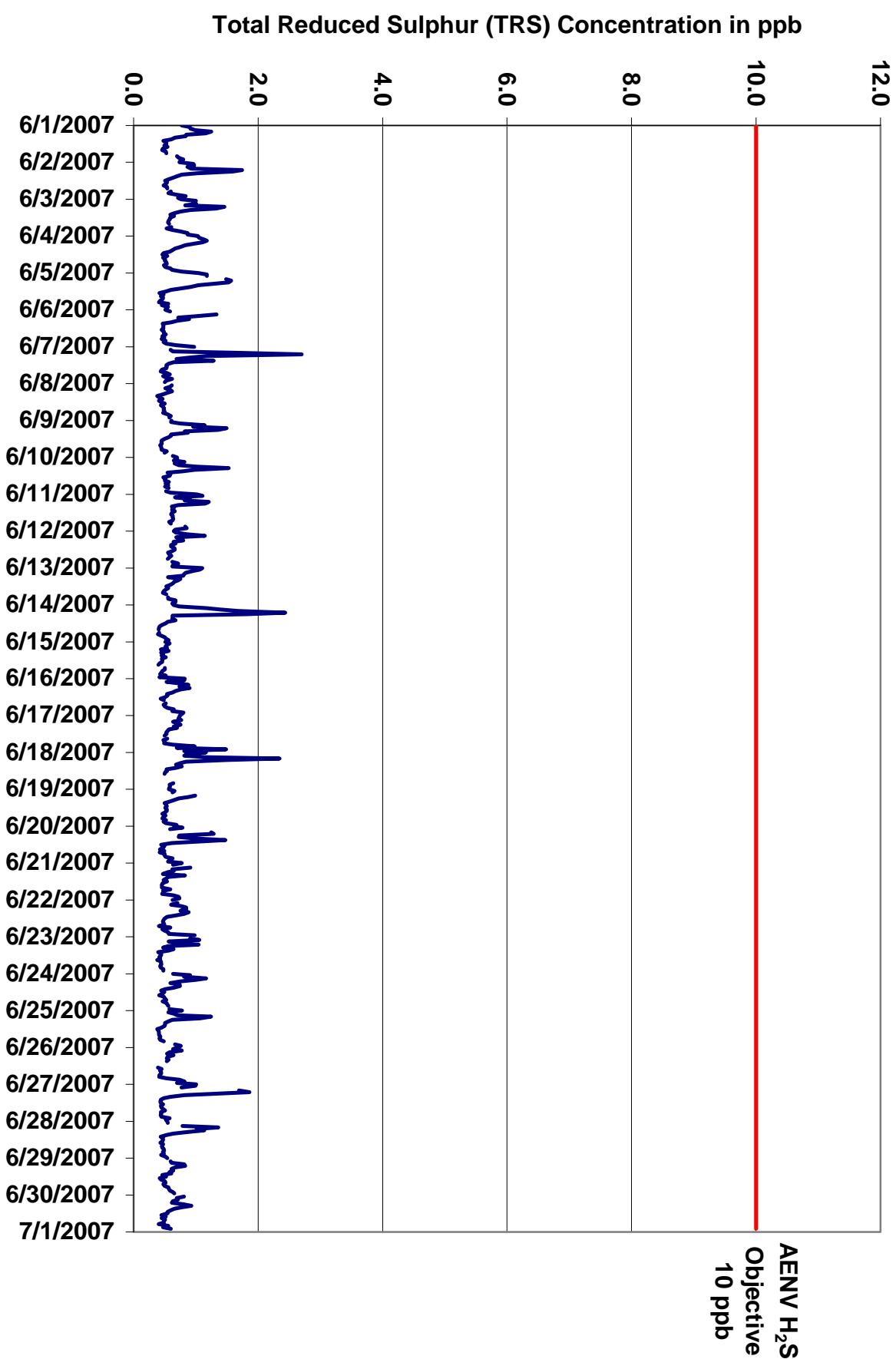


Figure 54. PASZA - Portable-Falher Total Reduced Sulphur 1-hr Average Monthly Trend

Station: Portable-Falher
Station Owner: PASZA

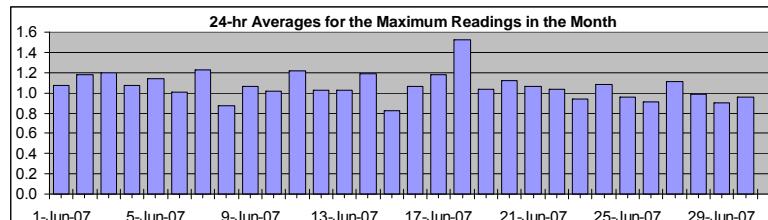
INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Reduced Sulphur (TRS)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value: 4.3 ppb 18-Jun 4:00 5:00
Maximum 24-hr Value: 1.5 ppb 18-Jun

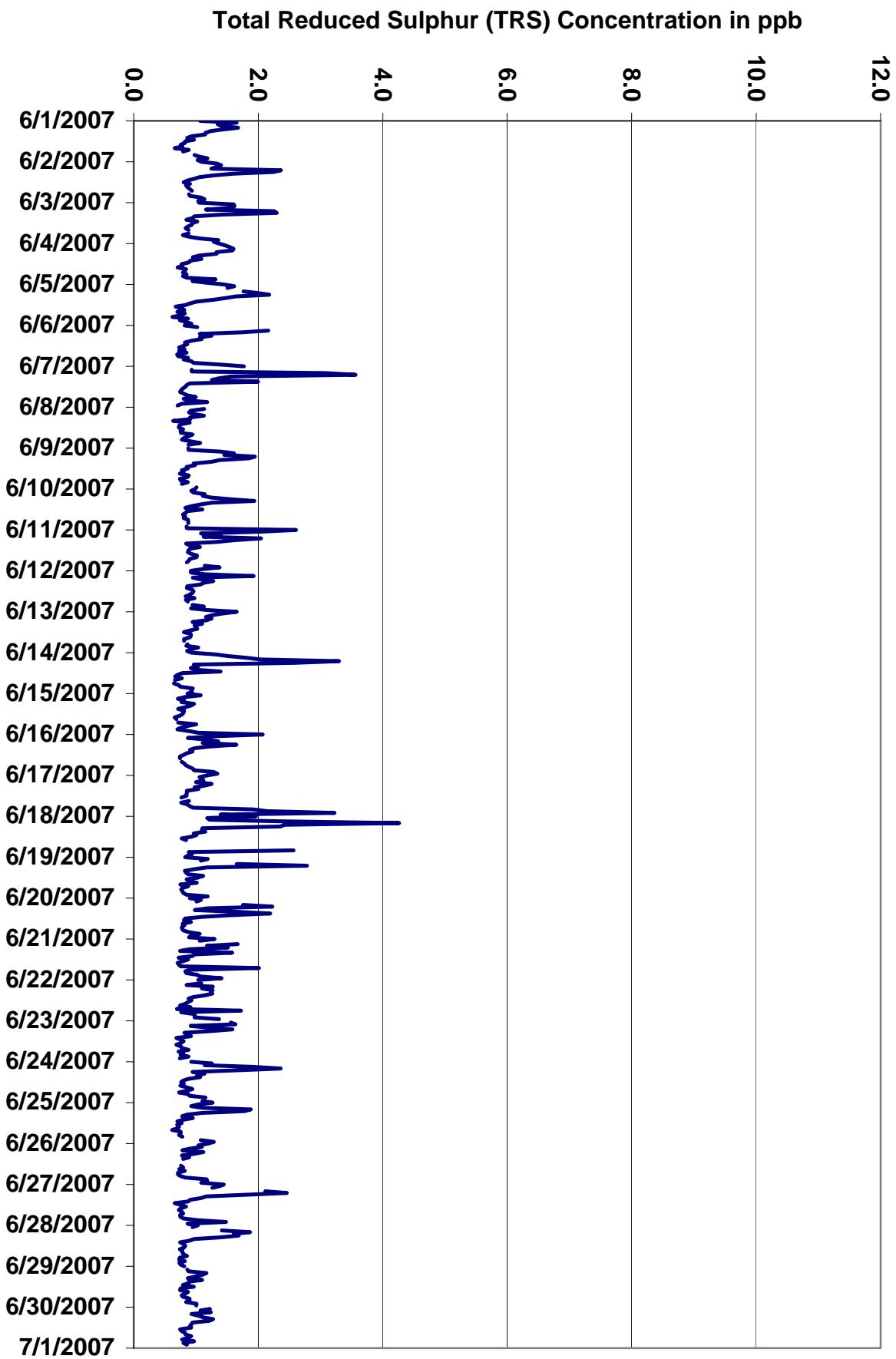


AIC Time:	31 hrs			Operational Time:				682 hrs	
Calibration Time:	7 hrs			AMD Operational Uptime:				100.0%	
Percentile	99	95	75	50	25	5	1	Average	Median
	2.6	1.9	1.1	0.9	0.8	0.7	0.7	1.1 ppb	0.9 ppb

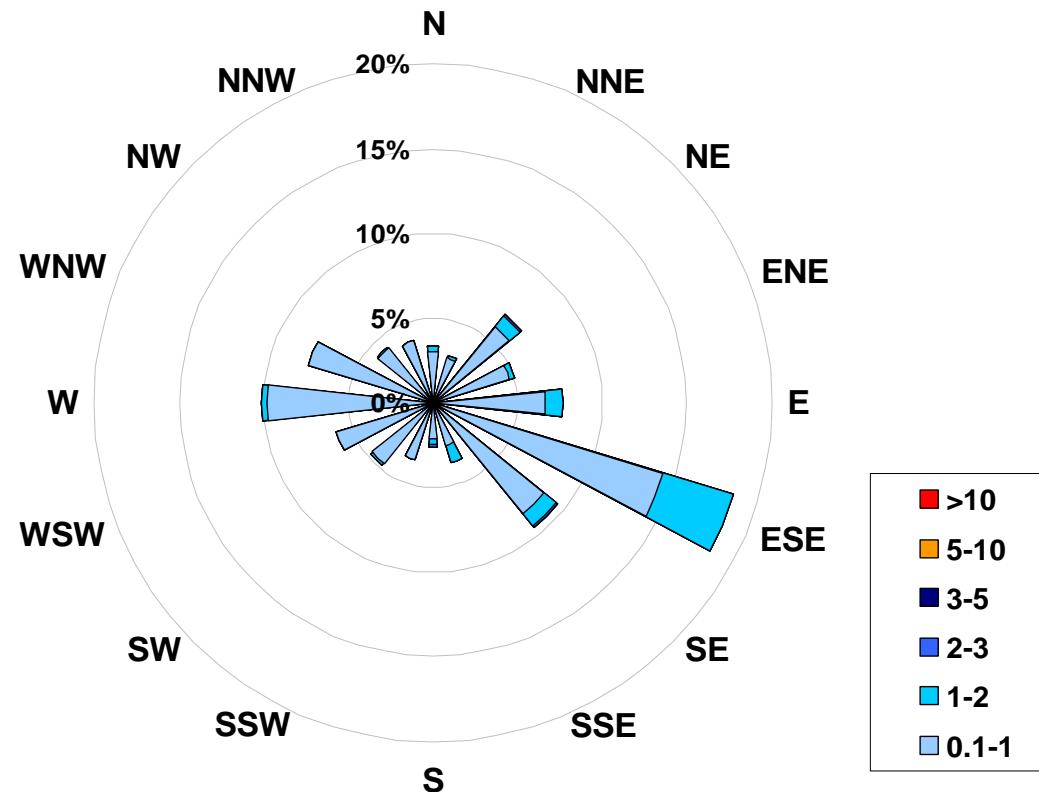
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

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			
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-Jun-07	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1.1	1.7	
2-Jun-07	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.2	2.4	
3-Jun-07	1	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.2	2.3	
4-Jun-07	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.6	
5-Jun-07	1	2	2	A	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.2	
6-Jun-07	1	1	A	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.2	
7-Jun-07	2	A	1	1	3	4	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	3.6	
8-Jun-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	0.9	1.1	
9-Jun-07	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	1.9	
10-Jun-07	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.9	
11-Jun-07	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1.2	2.6	
12-Jun-07	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1.0	1.9	
13-Jun-07	2	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	1.7	
14-Jun-07	1	1	2	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1.2	3.3	
15-Jun-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	0.8	1.1	
16-Jun-07	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1.1	2.1	
17-Jun-07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	2	2	3	1	1.2	3.2
18-Jun-07	2	1	1	2	4	2	2	1	1	1	1	1	1	1	1	C	C	C	C	A	3	1	1	1	1	1	1.5	4.3
19-Jun-07	1	1	1	A	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	2.8	
20-Jun-07	1	1	1	A	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.2	
21-Jun-07	1	1	A	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.1	2.0	
22-Jun-07	1	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1.0	1.7	
23-Jun-07	A	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.6	
24-Jun-07	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.4	
25-Jun-07	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1.0	1.9	
26-Jun-07	1	1	1	1	1	1	1	1	1	1	C	C	C	1	1	1	1	1	1	1	1	1	1	1	1	0.9	1.2	
27-Jun-07	1	1	1	A	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	2.5	
28-Jun-07	1	1	A	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	1.9	
29-Jun-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	0.9	1.2	
30-Jun-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	1.0	1.3	
Hourly Avg	1.2	1.2	1.2	1.4	1.6	1.7	1.4	1.2	1.1	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1			
Hourly Max	2.6	2.0	1.6	2.4	4.3	3.6	2.6	1.9	1.6	2.2	1.6	1.4	1.1	0.9	0.9	0.9	1.0	1.0	2.0	1.7	1.0	2.6	2.1	3.2	1.4			

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



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



Calms: 0%

Frequency Distribution of TRS in ppb			Frequency (hrs)
Range			
0.1	<	1	615
1	to	2	64
2	to	3	3
3	to	5	0
5	to	10	0
>	10		0
Total Non-Zero Values			682

PASZA - Portable-Falher - Relative Humidity Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	98.8	%	20-Jun	5:00 6:00
Maximum 24-hr Value:	80.5	%	19-Jun	

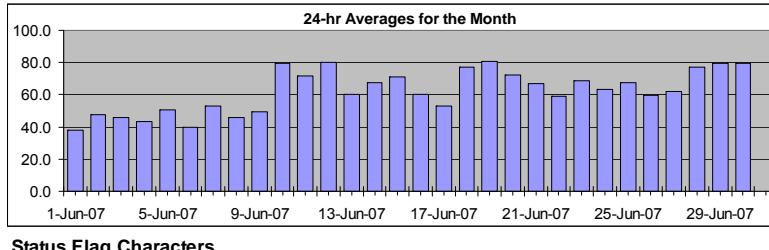
AIC Time:	0 hrs	Operational Time:	720 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%						
Percentile	99	95	75	50	25	5	1	Average	Median
	97.1	94.1	80.3	63.2	45.0	29.1	19.7		

		Mountain Standard Time																								24-hour Average	Daily Maximum
Hour Start	Hour End	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	
1-Jun-07	53	61	65	70	76	70	54	49	39	26	20	20	19	18	18	19	18	19	20	23	31	36	46	48	38.2	76.0	
2-Jun-07	49	55	56	55	63	68	65	56	45	48	42	45	45	45	35	29	28	30	31	34	39	50	59	63	47.3	67.7	
3-Jun-07	69	72	76	79	79	75	59	50	44	37	32	31	29	28	26	25	26	26	26	27	33	45	52	54	45.7	78.7	
4-Jun-07	56	55	58	60	58	54	50	47	45	43	39	36	34	33	30	28	28	30	31	34	40	46	50	53	43.3	60.2	
5-Jun-07	56	62	66	71	71	76	68	59	55	50	48	45	42	37	34	36	35	36	33	37	41	45	52	55	50.4	75.9	
6-Jun-07	55	50	52	75	70	68	64	50	37	29	26	24	23	22	22	24	26	25	25	26	29	38	45	49	39.7	75.4	
7-Jun-07	51	55	62	66	72	69	63	48	43	50	40	33	30	33	30	30	36	60	74	59	62	71	66	66	52.9	73.8	
8-Jun-07	71	70	71	74	75	72	61	44	36	35	30	30	30	30	29	29	29	29	32	37	42	53	59	45.8	74.8		
9-Jun-07	66	71	75	74	72	71	70	63	53	45	42	39	39	34	31	30	31	31	30	33	39	43	48	52	49.3	75.2	
10-Jun-07	54	55	55	61	72	82	91	92	91	91	89	86	83	77	72	80	77	80	79	84	90	91	93	79.8	93.1		
11-Jun-07	95	95	95	96	95	94	94	96	88	84	75	70	61	58	51	48	45	43	45	48	52	63	68	68	71.9	96.4	
12-Jun-07	69	69	83	90	92	95	85	80	75	73	76	84	84	81	71	69	70	68	71	83	87	90	93	92	80.4	95.0	
13-Jun-07	92	93	90	88	86	79	76	68	63	56	50	47	38	36	36	36	35	37	37	38	51	63	73	80	60.3	92.8	
14-Jun-07	84	87	90	93	95	94	90	78	74	64	63	66	66	50	47	42	41	38	38	40	53	68	76	81	67.5	95.2	
15-Jun-07	78	83	89	90	88	83	76	70	69	63	58	56	47	40	38	43	57	77	79	80	80	88	93	71.0	92.8		
16-Jun-07	97	98	98	95	87	83	78	71	63	53	47	44	41	39	37	35	35	37	38	39	43	48	60	76	60.0	98.4	
17-Jun-07	82	81	80	79	74	76	74	64	55	44	40	35	30	28	27	27	30	29	33	44	48	52	62	70	52.8	82.4	
18-Jun-07	75	80	83	85	83	80	86	81	80	68	67	62	52	60	54	52	74	77	86	94	93	95	97	88	77.2	96.9	
19-Jun-07	85	87	91	90	89	92	94	88	83	76	75	71	64	64	66	80	82	77	69	68	75	84	88	90	80.5	94.1	
20-Jun-07	92	96	99	98	99	99	96	87	76	69	61	61	58	56	55	51	49	48	47	49	59	72	77	81	72.3	98.8	
21-Jun-07	90	88	89	91	91	87	84	81	89	96	85	76	71	64	48	36	33	33	32	35	44	53	56	54	67.0	96.1	
22-Jun-07	69	75	78	79	78	69	68	61	57	48	49	54	56	44	37	39	47	51	45	48	55	61	66	77	58.8	78.6	
23-Jun-07	84	86	89	90	88	87	84	78	71	71	70	72	65	64	55	51	49	47	44	48	55	63	64	68	68.5	90.4	
24-Jun-07	80	86	88	90	88	84	84	72	61	58	54	47	41	39	36	35	38	56	62	57	65	66	68	75	63.4	89.7	
25-Jun-07	84	88	92	93	94	91	83	78	69	64	58	51	49	49	48	46	44	42	52	60	65	72	74	79	67.7	93.6	
26-Jun-07	85	89	94	91	83	78	73	63	59	57	54	51	45	41	40	40	39	37	35	35	43	61	67	69	59.6	93.9	
27-Jun-07	79	84	87	88	89	86	81	73	60	53	47	46	46	44	43	42	42	44	49	53	57	56	69	75	62.3	89.2	
28-Jun-07	89	92	94	94	92	86	84	84	81	76	75	74	71	68	67	66	64	62	62	67	70	74	77	83	77.2	94.5	
29-Jun-07	85	84	88	92	95	91	86	85	80	78	77	73	68	63	59	55	57	69	77	81	91	94	93	92	79.8	95.0	
30-Jun-07	95	97	95	97	97	97	97	96	96	95	93	91	89	85	80	78	64	58	57	50	55	53	49	51	79.8	97.4	

Hourly Avg	75.6	78.2	81.0	83.3	83.0	81.2	76.9	70.0	64.5	59.7	55.9	53.8	50.6	47.7	44.3	43.2	45.0	46.7	47.8	50.3	56.0	62.6	67.7	71.4
Hourly Max	96.6	97.6	98.5	98.5	98.8	98.8	96.7	96.5	95.6	96.1	93.5	90.7	89.3	84.9	80.2	80.3	81.9	77.4	85.8	94.1	93.1	95.4	96.9	93.1

HOURLY AVERAGE TABLE

Relative Humidity (RH)



Status Flag Characters

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

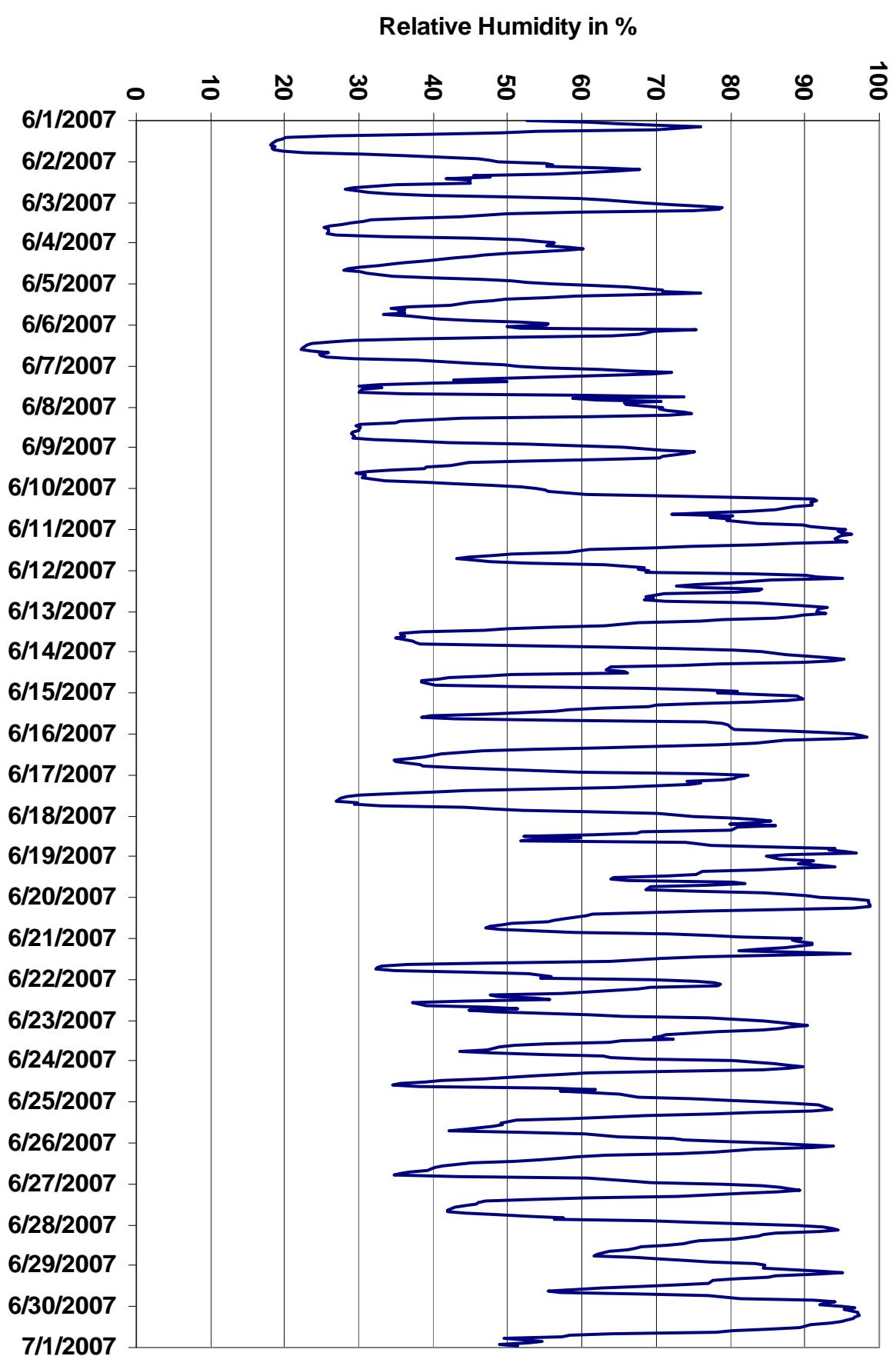


Figure 56. PASZA - Portable-Falher Relative Humidity 1-hr Average Monthly Trend

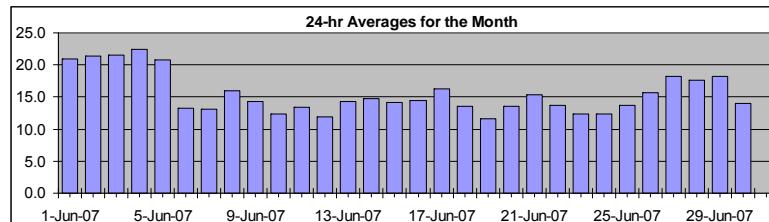
PASZA - Portable-Falher - Temperature Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Ambient Temperature (T)



Summary

Maximum 1-hr Average:	28.3	°C	4-Jun	16:00 17:00
Maximum 24-hr Value:	22.5	°C	4-Jun	

AIC Time:	0 hrs	Operational Time:	720 hrs							
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%							
Percentile	99	95	75	50	25	5	1	Average	Median	
	27.5	25.3	25.3	18.7	15.2	11.8	8.1	6.0	15.5 °C	15.2 °C

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	24:00	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	24:00	25:00	
1-Jun-07	15	13	13	11	10	11	16	18	20	23	25	25	26	27	27	28	28	27	27	26	24	21	20	21	20.9	27.8	
2-Jun-07	21	19	18	17	16	16	18	20	22	22	22	22	23	23	25	26	27	27	27	26	24	20	18	16	21.4	27.3	
3-Jun-07	15	14	14	14	13	14	18	20	22	24	25	26	26	27	27	28	27	27	27	26	24	20	18	19	21.5	27.6	
4-Jun-07	18	18	17	16	16	16	17	19	21	23	25	26	27	27	28	28	28	28	28	26	24	23	21	20	22.5	28.3	
5-Jun-07	19	18	17	16	16	15	17	19	21	22	23	25	25	26	26	26	26	25	25	23	20	18	16	16	20.8	26.3	
6-Jun-07	16	15	13	10	9	9	9	11	12	13	14	15	15	16	16	17	17	17	16	15	11	9	8	13.3	16.9		
7-Jun-07	7	5	4	3	3	4	7	11	14	15	17	18	19	19	20	20	19	16	15	17	16	14	15	14	13.0	19.8	
8-Jun-07	13	13	13	12	11	12	14	15	16	16	17	18	19	19	19	20	20	20	20	19	18	16	13	11	15.9	20.0	
9-Jun-07	9	8	7	8	9	10	11	12	13	15	16	17	17	18	19	19	19	19	19	19	18	17	15	14	13	14.3	19.4
10-Jun-07	13	13	13	12	11	11	10	10	10	10	11	13	14	14	15	15	14	15	15	14	13	11	10	8	12.3	15.2	
11-Jun-07	8	8	8	8	8	8	9	9	11	13	14	15	16	17	18	19	19	19	19	18	18	17	15	14	13	13.4	19.1
12-Jun-07	13	13	12	11	11	10	10	10	10	11	11	11	10	11	13	14	15	15	15	14	12	12	11	11	11	12.0	15.4
13-Jun-07	11	11	11	10	10	10	10	11	12	13	15	16	18	18	18	19	20	19	18	18	16	15	12	12	14.2	19.6	
14-Jun-07	11	10	10	9	8	9	10	13	15	16	16	15	16	18	19	19	20	21	21	20	18	14	13	12	14.7	20.9	
15-Jun-07	12	11	10	9	10	11	12	14	15	16	17	18	20	21	21	21	17	14	13	13	12	12	11	10	14.2	20.8	
16-Jun-07	9	8	7	7	7	9	10	12	13	15	16	17	18	18	19	19	20	19	19	19	18	17	15	13	14.5	19.7	
17-Jun-07	12	11	11	9	10	10	11	14	16	18	19	19	20	21	21	22	22	22	21	19	18	17	15	13	16.3	21.9	
18-Jun-07	12	10	9	9	10	12	12	13	14	16	16	18	18	18	19	19	19	19	19	19	18	12	12	12	13.5	19.0	
19-Jun-07	11	10	10	10	10	9	10	11	11	12	12	13	15	14	14	12	11	12	13	13	12	11	11	11	11.6	14.6	
20-Jun-07	10	9	7	6	7	7	9	11	13	14	15	15	16	16	17	18	18	18	18	18	17	15	14	14	13.5	18.2	
21-Jun-07	13	13	12	12	12	12	13	15	14	12	14	16	17	18	19	20	20	20	20	19	17	15	14	13	15.4	20.1	
22-Jun-07	10	8	8	7	7	10	11	13	14	15	16	16	15	17	18	19	18	18	17	18	18	17	14	13	11	13.8	18.9
23-Jun-07	9	9	9	9	9	9	10	11	12	12	13	12	13	14	14	15	16	16	17	17	16	15	12	12	10	12.4	17.1
24-Jun-07	8	7	6	5	6	7	10	11	13	15	16	17	18	19	19	18	15	15	13	14	14	13	12	11	10	12.4	19.2
25-Jun-07	10	9	7	6	6	7	10	12	14	15	16	17	17	18	18	19	19	19	19	17	16	14	14	13	13.7	18.6	
26-Jun-07	11	10	9	8	8	9	11	13	15	16	17	18	19	20	20	21	21	21	22	22	20	16	14	13	15.7	21.7	
27-Jun-07	13	12	12	12	12	13	14	16	18	19	21	21	22	22	23	24	24	24	23	22	21	20	17	16	18.3	23.7	
28-Jun-07	14	14	13	13	13	15	16	16	16	17	18	18	19	19	20	20	21	22	22	21	20	19	18	17	17.6	22.4	
29-Jun-07	16	16	16	15	14	15	16	17	18	19	19	20	21	22	22	23	23	22	22	20	19	18	17	16	15	18.2	23.3
30-Jun-07	15	15	14	14	13	13	12	11	11	12	12	12	12	13	14	14	16	17	17	17	16	15	15	14	14.0	17.1	

Hourly Avg	12.5	11.7	11.0	10.3	10.2	10.8	12.1	13.6	14.9	16.0	17.0	17.6	18.4	19.1	19.8	20.1	19.8	19.5	19.2	18.5	17.3	15.5	14.1	13.3
Hourly Max	20.7	19.0	18.1	17.0	16.0	16.4	18.2	20.3	22.3	23.9	25.1	25.8	26.6	27.4	27.8	28.2	28.3	28.1	27.7	26.4	24.5	22.5	21.0	20.7

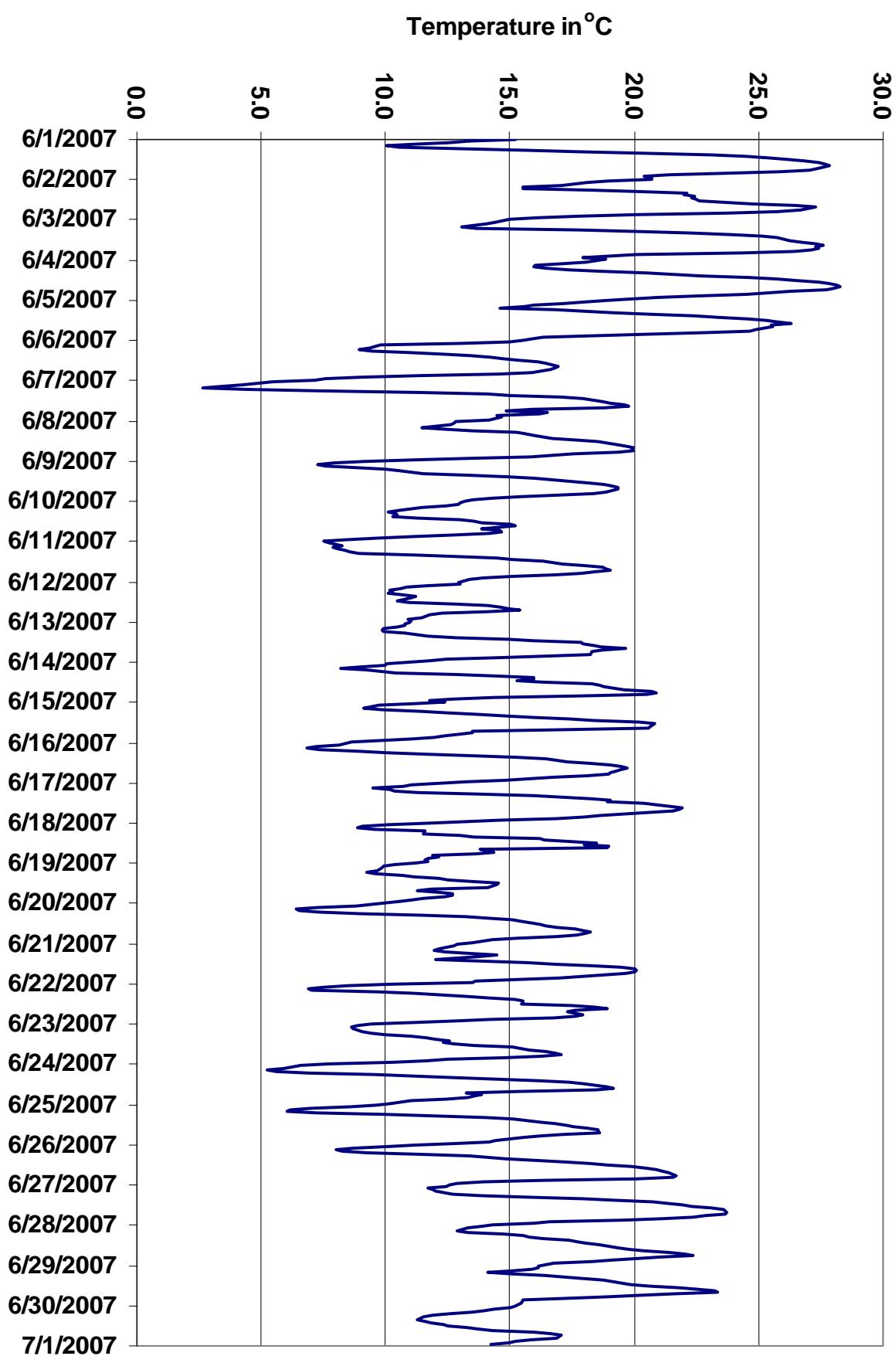


Figure 57. PASZA - Portable-Falher Temperature 1-hr Average Monthly Trend

PASZA - Portable-Falher - Scalar Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Speed (WSs)

Summary

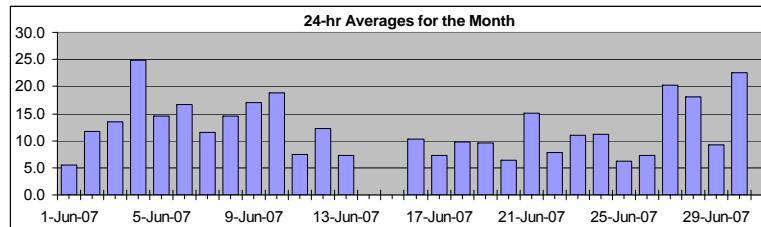
Maximum 1-hr Average:	33.1	km/hr	4-Jun	17:00 18:00
Maximum 24-hr Value:	24.8	km/hr	4-Jun	

Calm Time:	0 hrs	0% calms	Operational Time:	690 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	95.8%				
Percentile	99	95	75	50	25	5	1	AverageS
	31.1	27.0	17.0	10.5	6.5	3.4	2.1	12.3 km/hr

Day Mountain Standard Time

	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Max
	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	0:00		
1-Jun-07	7	3	2	3	2	3	1	2	3	4	6	7	8	10	6	8	8	6	7	8	7	9	6	7	5.6	9.8	
2-Jun-07	7	8	7	7	6	7	10	12	7	12	11	23	22	26	30	15	8	10	11	14	9	7	6	5	11.8	30.4	
3-Jun-07	8	6	5	6	6	5	13	15	15	15	19	19	18	15	17	14	17	19	21	19	13	10	13	16	13.5	21.0	
4-Jun-07	19	21	21	20	22	26	31	31	26	25	25	27	27	29	28	30	31	33	32	25	20	18	15	13	24.8	33.1	
5-Jun-07	11	12	12	10	5	4	5	4	5	5	5	9	8	17	22	23	26	31	32	28	27	17	15	17	14.6	32.4	
6-Jun-07	20	21	30	18	17	15	16	23	23	25	22	23	18	15	15	15	16	14	14	13	7	6	5	8	16.7	30.4	
7-Jun-07	7	8	4	5	6	5	6	6	13	16	15	14	16	17	17	21	23	17	7	13	12	11	9	10	11.5	23.2	
8-Jun-07	9	8	9	9	9	10	12	16	18	17	18	20	20	20	20	19	18	18	16	9	13	15	10	14.5	20.2		
9-Jun-07	9	5	4	8	9	13	15	16	16	16	15	13	16	17	19	19	23	28	28	28	24	23	24	21	17.1	28.5	
10-Jun-07	20	19	19	16	19	20	21	21	23	24	27	22	22	23	22	16	12	18	21	17	10	12	17	11	18.8	27.1	
11-Jun-07	8	5	6	9	9	8	7	7	3	4	4	8	6	8	6	8	8	9	10	12	9	6	9	12	7.5	11.5	
12-Jun-07	12	4	14	11	9	12	16	13	13	12	16	12	19	19	18	15	10	10	18	13	8	6	9	5	12.2	19.0	
13-Jun-07	3	3	3	5	6	10	9	8	7	5	4	6	8	8	10	5	5	12	11	11	11	7	8	8	7.3	12.1	
14-Jun-07	5	8	7	6	3	5	3	1	2	3	4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	7.6	
15-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	12	9	19	19	10	7	2	N
16-Jun-07	4	5	6	6	5	6	14	22	23	16	15	15	13	10	9	11	11	11	11	12	8	5	6	4	10.3	22.7	
17-Jun-07	2	5	3	5	5	4	4	6	5	6	7	7	6	7	10	11	11	10	10	17	12	8	6	6	7.2	17.2	
18-Jun-07	7	6	5	6	6	6	9	9	8	3	11	15	15	14	15	8	16	6	17	8	11	11	10	12	9.8	16.7	
19-Jun-07	9	8	2	8	11	13	11	13	12	9	8	10	10	9	16	17	14	13	14	9	3	5	4	3	9.6	16.7	
20-Jun-07	2	4	6	4	3	2	4	7	6	6	7	7	8	7	8	8	9	11	12	8	8	7	6	4	6.4	11.5	
21-Jun-07	6	5	13	18	18	16	23	20	15	15	11	11	13	16	26	26	27	23	21	17	9	4	6	6	15.2	27.5	
22-Jun-07	6	8	9	7	6	5	6	7	6	9	10	7	8	7	8	8	16	11	10	7	5	9	6	6	7.9	16.1	
23-Jun-07	6	5	7	5	4	4	11	13	18	19	19	17	18	15	18	18	14	13	12	10	6	3	2	4	11.0	19.5	
24-Jun-07	5	3	6	6	7	8	10	12	10	9	14	14	13	11	10	14	24	22	10	18	16	12	7	8	11.2	24.4	
25-Jun-07	9	7	4	5	6	6	6	4	3	3	4	5	5	6	8	8	11	12	13	9	8	4	3	3	6.3	12.8	
26-Jun-07	4	4	3	5	4	3	9	11	10	12	10	11	9	10	8	9	6	4	5	5	7	8	8	9	7.3	11.6	
27-Jun-07	11	10	12	11	8	12	18	22	24	26	27	26	28	29	29	26	26	27	28	28	23	11	12	14	20.3	29.5	
28-Jun-07	12	11	11	15	12	15	12	16	17	18	22	20	20	20	19	18	21	25	21	26	27	24	13	18.1	26.7		
29-Jun-07	15	12	3	4	6	7	11	5	4	3	9	9	7	7	8	8	12	21	17	18	11	7	7	8	9.2	21.3	
30-Jun-07	6	8	11	11	11	13	20	29	31	29	29	30	29	28	25	20	23	25	22	32	24	24	31	29	22.5	31.9	

1-hr Average	8.6	8.0	8.5	8.6	8.3	9.1	11.6	12.8	12.6	12.6	13.6	14.5	14.7	15.0	16.1	15.0	16.0	16.1	16.0	15.6	12.4	10.4	10.2	9.3
Hourly Max	19.8	21.2	30.4	19.9	22.2	26.4	31.0	31.2	31.1	28.5	29.3	30.2	29.0	29.5	30.4	29.6	31.4	33.1	32.4	31.9	26.6	26.7	31.2	28.6



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

PASZA - Portable-Falher - Vector Wind Speed Monthly Summary

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	32.8	km/hr	4-Jun	17:00 18:00
Maximum 24-hr Value:	24.6	km/hr	4-Jun	

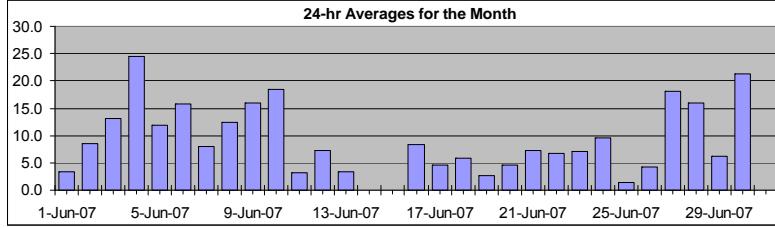
Calm Time:	0 hrs	0% calms	Operational Time:	690 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	95.8%
Percentile				AverageV
99	95	75	50	25 5 1
31.0	26.8	16.5	9.9	6.0 2.3 1.1
				6.1 km/hr

Day	Mountain Standard Time																								24-hr Vector Average	Daily Max	
	Hour Start 0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	0:00		
1-Jun-07	7	2	2	3	2	3	0	1	2	4	5	6	7	7	2	6	7	5	7	8	7	8	7	4	6	3.3	8.3
2-Jun-07	6	8	6	6	3	6	10	12	5	12	11	23	22	25	30	15	6	8	11	13	8	7	6	5	8.5	29.9	
3-Jun-07	8	5	5	5	6	5	13	15	14	15	18	18	17	14	16	12	16	18	21	19	13	10	13	16	13.1	20.6	
4-Jun-07	19	21	21	20	22	26	31	31	26	24	25	27	26	28	29	31	33	32	25	20	17	15	12	24.6	32.8		
5-Jun-07	10	12	12	10	4	3	5	3	2	2	3	5	5	16	21	22	25	30	32	28	26	17	15	17	12.0	32.1	
6-Jun-07	20	21	30	18	17	15	16	23	23	25	21	22	18	14	14	13	15	13	14	13	7	6	4	8	15.8	30.3	
7-Jun-07	7	7	4	5	6	4	6	5	13	15	14	13	14	16	16	20	22	17	6	13	12	11	9	10	7.9	21.7	
8-Jun-07	9	8	9	8	9	10	12	15	17	17	18	17	20	20	19	18	17	18	15	8	13	15	9	12.4	19.7		
9-Jun-07	9	4	4	8	9	13	15	16	16	15	15	12	15	16	18	18	22	28	28	24	23	24	21	15.9	28.1		
10-Jun-07	20	19	19	16	19	20	21	21	23	23	27	22	21	23	22	16	10	18	21	16	9	12	17	10	18.5	27.0	
11-Jun-07	7	3	5	9	9	8	6	6	0	3	2	8	5	7	5	7	7	8	9	11	9	6	9	12	3.2	11.5	
12-Jun-07	12	1	14	10	8	11	16	12	13	12	15	12	19	19	17	15	10	10	17	13	7	5	9	5	7.3	18.8	
13-Jun-07	2	2	2	5	6	10	9	8	7	5	2	5	5	4	7	2	3	9	11	10	11	6	8	8	3.3	11.1	
14-Jun-07	5	8	7	6	2	5	2	0	1	2	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	7.6	
15-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	8	19	19	10	7	1	N	19.3
16-Jun-07	4	5	6	6	5	5	14	22	23	16	14	14	12	8	7	10	11	11	11	12	8	5	4	3	8.4	22.5	
17-Jun-07	1	5	2	4	5	4	4	5	4	6	6	6	4	5	9	9	10	9	8	17	11	7	6	4	4.7	17.1	
18-Jun-07	7	6	5	6	6	1	9	8	8	2	11	14	14	14	10	7	16	4	14	8	11	11	10	11	5.9	15.9	
19-Jun-07	8	8	2	8	11	13	11	12	11	8	7	9	9	8	11	15	14	12	14	8	2	5	3	3	2.6	14.9	
20-Jun-07	1	1	5	4	2	2	4	6	6	5	7	6	7	6	8	6	9	10	11	7	8	7	4	3	4.6	11.2	
21-Jun-07	6	4	12	18	18	16	23	20	7	14	11	11	12	16	26	26	27	23	21	17	8	4	5	6	7.3	27.3	
22-Jun-07	6	8	9	7	6	5	6	6	6	9	10	7	8	6	6	7	16	11	10	7	5	9	5	6	6.7	15.7	
23-Jun-07	6	5	7	4	3	4	11	13	18	19	19	17	18	15	18	18	14	13	12	9	6	3	2	3	7.0	19.3	
24-Jun-07	5	3	5	6	7	7	10	12	10	9	14	14	12	10	9	13	22	22	9	18	15	12	6	8	9.6	21.9	
25-Jun-07	9	7	3	5	5	6	6	2	1	1	2	3	3	5	7	7	10	11	12	9	7	3	2	3	1.3	11.9	
26-Jun-07	3	3	2	5	4	2	9	11	10	11	10	10	8	9	7	8	5	3	4	3	7	8	8	9	4.3	11.2	
27-Jun-07	11	10	11	11	8	12	18	22	24	26	27	26	27	29	28	26	25	27	28	28	23	10	11	11	18.1	29.1	
28-Jun-07	11	10	10	15	12	15	12	16	17	18	22	20	20	19	20	18	18	21	25	21	26	27	24	13	16.0	26.7	
29-Jun-07	15	10	3	4	5	7	11	4	3	1	9	8	6	6	7	7	12	21	17	18	10	7	6	7	6.2	21.1	
30-Jun-07	6	8	11	11	11	13	20	29	31	28	29	30	29	28	25	19	23	25	22	32	24	24	31	28	21.3	31.8	

1-hr Vector	4.3	3.5	4.3	4.2	4.3	3.6	3.6	3.4	2.8	1.1	2.0	1.8	1.2	1.0	1.5	1.7	0.6	2.1	3.5	5.0	4.9	3.4	2.6	2.0	
Hourly Max	19.8	21.2	30.3	19.9	22.2	26.4	31.0	31.1	31.1	28.4	29.3	30.1	29.0	29.1	29.9	28.9	31.0	32.8	32.2	31.8	26.5	26.7	31.2	28.5	

HOURLY AVERAGE TABLE

Wind Speed (WSv)



Status Flag Characters

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

PASZA - Portable-Falher - Wind Direction Monthly Summary

Station: Portable-Falher
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Daily Summary													

Calm Time:	0 hrs	0% calms	Operational Time:	690 hrs									
Calibration Time:	0 hrs	AMD Operational Uptime:		95.8%									
Percentile	99	95	75	50	25	5	1	Average					
	352.4	327.0	262.8	138.8	102.1	34.2	9.0		120 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	0:00	
1-Jun-07	150	149	121	142	86	114	135	226	317	343	357	4	19	22	304	328	336	344	4	32	36	81	48	49	22	NNE	
2-Jun-07	95	124	129	75	127	116	106	98	120	3	22	344	352	10	56	85	32	26	20	52	46	17	47	61	45	NE	
3-Jun-07	73	85	65	71	79	75	98	116	107	91	88	113	121	105	120	101	86	92	89	90	99	84	86	93	96	E	
4-Jun-07	103	107	104	105	107	113	114	112	113	122	126	130	128	128	118	118	114	114	116	114	104	101	108	112	115	ESE	
5-Jun-07	119	104	104	107	121	316	352	79	185	175	271	319	45	97	82	65	64	53	58	86	87	65	59	62	74	ENE	
6-Jun-07	77	55	42	37	41	43	40	41	48	51	40	40	36	40	34	9	350	357	9	21	28	20	17	36	37	NE	
7-Jun-07	53	74	115	101	104	173	160	176	223	262	279	279	275	258	263	252	278	294	287	283	274	262	277	281	266	W	
8-Jun-07	298	284	281	289	293	294	302	315	332	311	299	300	283	295	300	293	298	296	293	285	297	29	44	48	305	NW	
9-Jun-07	56	36	329	47	80	103	103	117	129	121	136	120	97	107	104	98	117	131	121	105	108	104	107	111	109	ESE	
10-Jun-07	109	115	116	129	128	130	121	117	121	125	130	138	131	123	116	122	124	94	123	94	137	140	127	123	ESE		
11-Jun-07	142	220	35	75	107	134	173	209	303	4	324	321	331	321	289	306	287	281	277	267	266	252	246	253	273	W	
12-Jun-07	251	271	125	148	170	227	264	277	278	280	276	260	262	271	294	296	318	297	337	25	76	190	224	242	271	W	
13-Jun-07	273	91	156	191	230	242	237	233	249	278	288	70	86	122	192	205	213	114	116	99	102	105	116	127	155	SSE	
14-Jun-07	108	107	104	120	139	127	81	128	31	6	80	N	N	N	N	N	N	N	N	N	N	N	N	N	-		
15-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	218	312	353	8	20	52	320	N	
16-Jun-07	284	313	343	18	27	39	71	91	103	114	85	94	93	69	61	58	46	44	61	61	46	55	116	151	72	ENE	
17-Jun-07	73	46	10	313	345	277	306	316	337	341	335	310	329	312	276	270	291	280	355	50	49	54	15	26	338	NNW	
18-Jun-07	55	75	60	42	44	356	276	264	242	181	242	246	273	293	349	28	278	235	257	285	268	267	263	295	283	WNW	
19-Jun-07	299	305	283	251	227	260	342	346	326	323	273	259	292	289	28	94	88	76	66	82	186	199	191	271	329	NNW	
20-Jun-07	284	166	65	182	122	125	53	71	127	159	167	145	141	130	134	108	102	95	75	49	85	84	222	193	114	ESE	
21-Jun-07	108	105	141	137	142	151	141	143	207	303	319	281	266	259	256	275	267	272	268	268	278	280	272	306	240	WSW	
22-Jun-07	188	188	193	207	209	277	304	246	223	231	208	223	225	218	225	242	239	263	273	233	207	197	178	144	224	SW	
23-Jun-07	91	111	167	153	145	163	196	217	230	249	262	271	291	294	289	297	295	298	296	329	337	353	336	183	269	W	
24-Jun-07	175	134	119	131	160	171	196	228	215	200	202	199	202	217	223	164	195	215	196	180	156	151	79	122	186	S	
25-Jun-07	128	134	96	99	106	151	165	179	66	6	315	324	353	293	275	312	308	351	44	91	131	203	105	69	63	ENE	
26-Jun-07	67	279	268	254	225	228	251	266	276	257	261	251	247	247	231	230	260	238	263	162	102	101	112	109	240	WSW	
27-Jun-07	104	111	124	121	119	121	115	118	122	124	130	127	122	120	118	120	116	121	123	121	172	255	294	123	ESE		
28-Jun-07	330	330	67	105	118	119	123	124	114	112	124	121	125	118	130	122	131	124	124	117	122	128	126	125	119	ESE	
29-Jun-07	132	156	217	148	120	136	154	238	274	257	150	162	143	94	98	88	110	129	131	142	172	277	332	15	139	SE	
30-Jun-07	106	282	303	292	290	280	272	261	263	258	254	253	250	248	244	240	247	246	245	248	234	234	238	237	252	WSW	
	Hourly Avg	102	102	96	110	120	140	134	140	161	166	181	206	189	153	119	113	191	112	83	92	103	116	124	108	N	

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

Station: Portable-Falher
 Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|--|

Calm Time:	0 hrs	0% calms	Operational Time:	690 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	95.8%			
Percentile	99	95	75	50	25	5	1
	59.7	42.2	17.6	10.0	5.3	2.7	1.8

Determined by the Yamartino 15-min interval calculation

Status Flag Characters

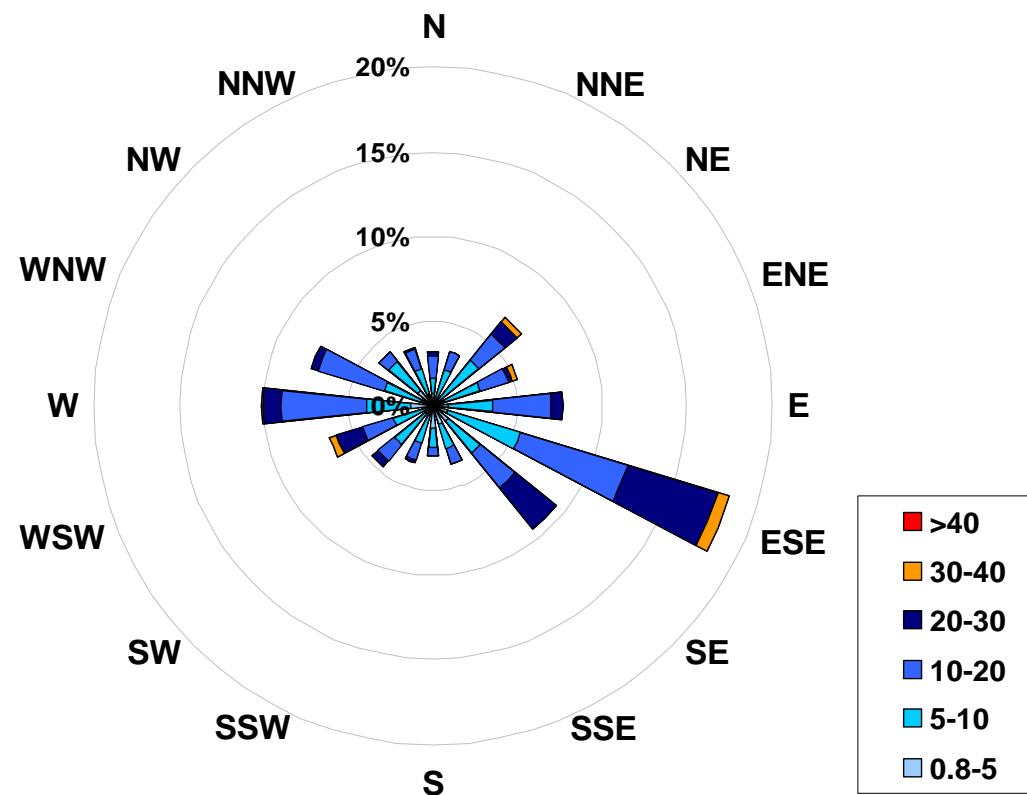
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

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	24:00	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	24:00	0:00	
1-Jun-07	14	26	23	33	38	21	65	66	42	29	30	36	38	33	80	40	30	37	14	3	6	14	12	25	79.6	
2-Jun-07	11	8	26	16	51	20	10	9	23	9	14	9	6	7	7	16	39	23	12	7	10	5	14	15	51.4	
3-Jun-07	6	17	13	9	11	9	5	7	13	12	13	19	21	22	23	26	18	11	9	5	7	4	2	2	26.0	
4-Jun-07	1	2	3	1	2	2	3	4	7	9	9	10	12	10	10	12	9	8	6	3	2	3	2	3	11.9	
5-Jun-07	18	2	3	3	39	44	14	38	48	46	44	40	68	18	13	12	7	6	5	7	3	4	3	7	68.0	
6-Jun-07	5	6	3	4	2	5	4	4	7	10	14	14	14	22	18	18	16	17	13	15	5	4	12	4	22.1	
7-Jun-07	5	7	10	12	5	11	11	14	10	12	15	19	20	17	17	18	11	4	10	5	4	3	2	3	20.3	
8-Jun-07	3	6	3	3	3	5	5	6	6	6	8	12	11	11	11	14	14	10	10	5	16	9	2	6	16.0	
9-Jun-07	5	40	11	5	5	5	7	8	8	15	16	28	14	23	19	16	15	10	7	5	3	2	2	2	40.1	
10-Jun-07	2	2	3	2	2	2	3	3	4	5	4	6	7	8	9	13	15	13	7	6	9	5	3	8	14.7	
11-Jun-07	14	50	43	5	6	10	14	14	42	31	58	17	38	23	43	32	25	19	11	6	3	2	3	3	57.8	
12-Jun-07	3	47	10	10	9	7	5	4	5	5	7	7	4	6	7	7	8	8	5	6	11	12	2	10	46.8	
13-Jun-07	22	15	22	7	4	2	4	8	10	15	40	33	59	52	32	62	54	28	8	11	3	8	7	5	61.9	
14-Jun-07	6	2	5	7	27	10	27	46	44	51	34	N	N	N	N	N	N	N	N	N	N	N	N	N	50.9	
15-Jun-07	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	28	9	5	2	4	8	50	49.7
16-Jun-07	25	10	5	5	5	6	5	3	4	8	15	16	22	38	32	28	11	9	13	9	2	3	22	31	38.3	
17-Jun-07	34	11	18	37	6	16	12	18	27	26	39	19	59	53	36	40	24	20	20	4	12	11	12	21	59.4	
18-Jun-07	12	8	8	6	5	26	10	13	10	58	18	15	33	10	20	38	13	42	13	15	8	5	6	8	57.6	
19-Jun-07	8	6	18	7	7	8	9	8	9	13	17	14	20	17	19	11	5	7	8	12	14	6	19	13	19.6	
20-Jun-07	37	23	9	20	16	18	13	15	21	20	21	26	42	36	23	37	23	18	9	12	5	5	15	18	41.7	
21-Jun-07	16	9	6	4	4	3	3	5	17	7	13	14	17	12	9	8	6	6	6	3	10	11	7	13	16.7	
22-Jun-07	5	6	5	6	5	13	5	9	12	10	15	14	10	28	31	34	11	10	11	7	5	3	11	10	34.2	
23-Jun-07	17	17	14	15	17	9	5	3	4	5	7	8	9	8	12	10	11	13	12	9	7	8	30	19	30.1	
24-Jun-07	24	15	12	9	13	9	6	9	14	17	13	17	18	26	27	16	9	7	20	3	5	4	16	5	26.6	
25-Jun-07	7	9	51	14	9	13	18	39	65	53	63	41	54	49	30	23	15	11	7	9	16	34	26	50	64.8	
26-Jun-07	15	17	17	8	11	39	5	9	13	13	16	21	27	31	34	26	29	39	22	23	5	3	5	5	38.8	
27-Jun-07	4	4	4	5	4	3	3	4	5	6	6	9	8	9	10	10	7	6	4	3	3	8	14	14	13.7	
28-Jun-07	8	7	11	4	2	3	7	6	7	8	8	8	8	11	9	9	8	6	5	4	2	3	2	2	11.5	
29-Jun-07	3	13	27	12	22	9	9	17	45	54	13	25	24	37	33	29	25	5	4	5	10	11	14	16	54.0	
30-Jun-07	5	25	5	4	4	4	5	3	3	3	3	3	3	4	5	4	3	3	3	4	3	3	3	3	24.6	

Hourly Max 37 50 51 37 51 44 65 66 65 58 63 41 68 53 80 62 54 42 22 23 16 34 30 50

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



Calms: 0%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	89
5	to	10	242
10	to	20	246
20	to	30	100
30	to	40	13
>	40		0
Total Non-Zero Values			690

PASZA – Valleyview Station

Monthly Summary Tables, Graphs, and Roses

PASZA - Valleyview - Sulphur Dioxide Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

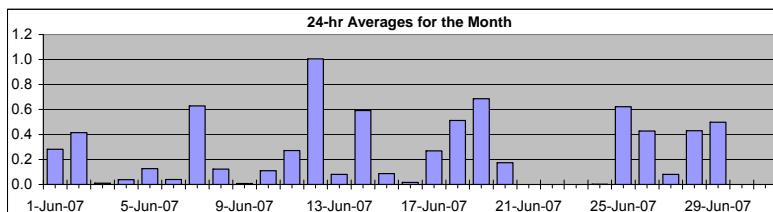
Objective Limit: Alberta Environment: 1-hr 172 ppb 24-hr 57 ppb

Summary

Number of 1-hr Exceedances:	0
Number of 24-hr Exceedances:	0
Maximum 1-hr Average:	7.5 ppb 19-Jun 6:00 7:00
Maximum 24-hr Average:	1.0 ppb 12-Jun

HOURLY AVERAGE TABLE

Sulphur Dioxide (SO₂)



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	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 24:00																									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	24:00			
1-Jun-07	A	0	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	3.6
2-Jun-07	A	0	0	0	0	0	0	0	2	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	4.6
3-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
4-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.3
5-Jun-07	A	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.1	1.4
6-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
7-Jun-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	0.6	5.8
8-Jun-07	A	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.4
9-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
10-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.4
11-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0.3	1.7
12-Jun-07	A	0	0	0	0	3	4	1	1	1	2	2	3	1	1	2	1	2	1	0	0	0	0	0	0	0	1.0	3.8
13-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.5
14-Jun-07	A	0	0	0	0	0	0	2	5	2	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0.6	4.6
15-Jun-07	A	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1.2
16-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
17-Jun-07	A	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.3	1.3
18-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	7	1	0	0	0	0	0.5	6.8
19-Jun-07	A	0	0	0	0	0	8	3	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	0.7	7.5
20-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0	0	0.2	0.3
21-Jun-07	P	P	P	P	P	P	P	P	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	N	2.1	
22-Jun-07	A	2	2	2	2	2	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.7	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	1	1	1	1	1	0		
24-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
25-Jun-07	A	0	0	0	0	0	0	0	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.3
26-Jun-07	A	1	0	2	0	0	0	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	4.5
27-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
28-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0.4	1.0
29-Jun-07	A	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0.5	2.0
30-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.8

Hourly Avg	N	0.2	0.1	0.2	0.1	0.2	0.5	0.4	0.9	0.7	0.5	0.3	0.4	0.2	0.2	0.3	0.3	0.2	0.5	0.3	0.3	0.4	0.3	0.3	0.3	
Hourly Max	0.0	1.7	1.7	1.7	1.7	2.6	7.5	3.3	4.6	4.6	3.3	2.4	2.5	1.3	1.3	1.7	1.6	1.5	6.8	2.3	2.9	5.8	2.9	2.6		

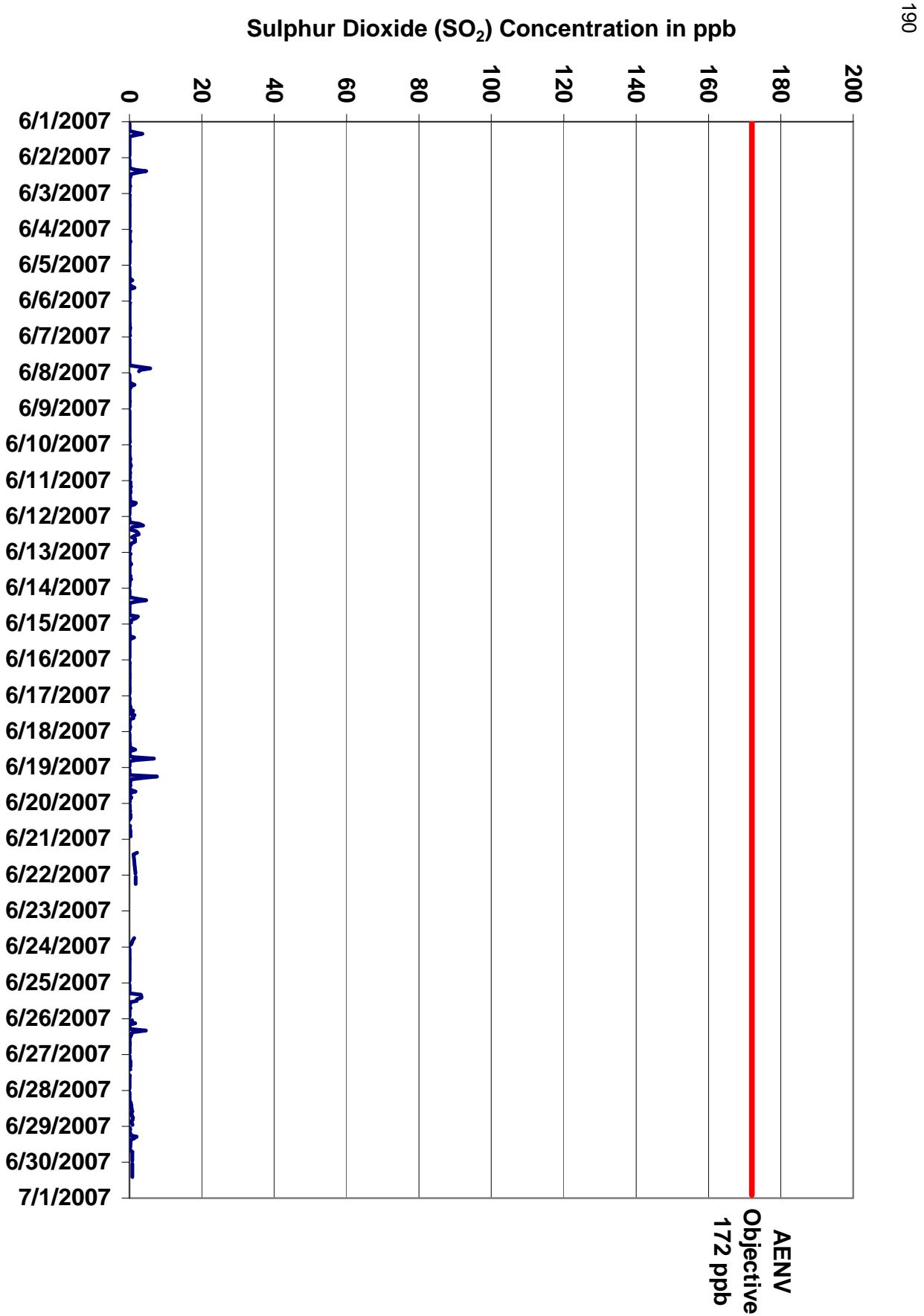


Figure 58. PASZA - Valleyview Sulphur Dioxide 1-hr Average Monthly Trend

Station: Valleyview
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

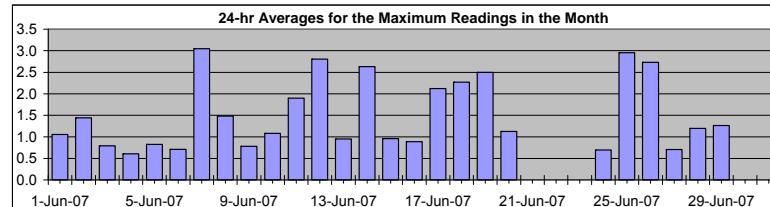
Sulphur Dioxide (SO₂)

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	18.6 ppb	26-Jun	8:00 9:00
Maximum 24-hr Value:	3.0 ppb	7-Jun	

AIC Time:	30 hrs	Operational Time:	628 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	92.1%
Percentile	99 95 75 50 25 5 1	Average	Median
	13.5 5.9 1.2 0.8 0.7 0.3 0.0	1.5 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 1:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum	
1-Jun-07	A	0	1	0	0	0	1	5	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1	7.3	
2-Jun-07	A	1	1	0	0	0	0	0	6	9	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1.4	9.1	
3-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0.8	1.0	
4-Jun-07	A	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.6	1.5	
5-Jun-07	A	0	0	0	0	0	1	1	1	2	0	0	0	0	5	3	0	0	0	1	0	0	0	0	0.8	5.2	
6-Jun-07	A	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.7	1.5	
7-Jun-07	A	2	0	0	0	0	0	0	0	0	3	1	3	1	6	0	4	2	0	5	8	10	11	13	3.0	13.3	
8-Jun-07	A	0	0	0	0	2	0	5	5	6	4	1	2	0	0	0	0	0	0	7	0	0	0	1	1.5	6.5	
9-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8	1.0	
10-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1.1	2.1	
11-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	7	1	1	1	1	1	1	1	1.9	13.9
12-Jun-07	A	1	1	1	1	10	11	2	2	2	3	4	4	3	1	9	3	3	2	1	1	1	1	1	1	2.8	10.8
13-Jun-07	A	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	3	1	2	2	1	1	1	1	1.0	2.6
14-Jun-07	A	0	0	0	0	1	1	10	12	8	1	1	0	1	1	1	1	0	1	14	5	2	1	1	2.6	13.5	
15-Jun-07	A	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	3.5	
16-Jun-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	1.1	
17-Jun-07	A	1	1	1	1	1	1	1	1	4	5	7	1	9	4	5	1	1	1	1	1	1	1	1	2.1	9.0	
18-Jun-07	A	1	1	1	1	1	1	1	1	1	4	5	2	1	1	6	1	5	14	5	1	1	1	1	2.3	13.5	
19-Jun-07	A	1	1	1	1	2	16	10	2	1	1	1	1	1	1	1	2	9	2	1	1	2	1	1	2.5	15.6	
20-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	C	C	A	1	1	1	1	1	1	1	1	1.1	1.3	
21-Jun-07	P	P	P	P	P	P	P	P	P	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	N	2.1	
22-Jun-07	A	2	2	2	2	2	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	1.7	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	2	2	2	1	1	N	2.3	
24-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0.7	1.6	
25-Jun-07	A	1	1	1	1	1	1	1	1	16	10	16	5	7	1	2	1	1	3	1	1	1	1	1	3.0	15.7	
26-Jun-07	A	5	1	4	1	1	1	7	19	7	4	6	3	1	1	1	1	1	1	1	1	1	1	1	2.7	18.6	
27-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	C	C	C	1	1	1	1	1	0	1	1	0	0.7	1.3	
28-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2	1.7	
29-Jun-07	A	1	1	1	1	1	1	1	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3	7.5	
30-Jun-07	A	1	1	1	1	1	1	1	1	1	1	1	P	P	P	P	P	P	P	P	P	P	P	P	N	0.8	

Hourly Avg	N	1.0	0.8	0.8	0.7	1.1	1.7	2.3	3.3	2.5	2.1	1.6	1.5	1.2	1.3	2.0	1.5	1.2	1.3	1.9	1.3	1.2	1.2	1.3
Hourly Max	0.0	4.5	1.7	3.5	1.7	9.5	15.6	10.3	18.6	9.7	15.6	6.8	7.2	9.0	5.5	13.9	8.9	4.7	13.5	13.5	8.1	9.9	10.9	13.3

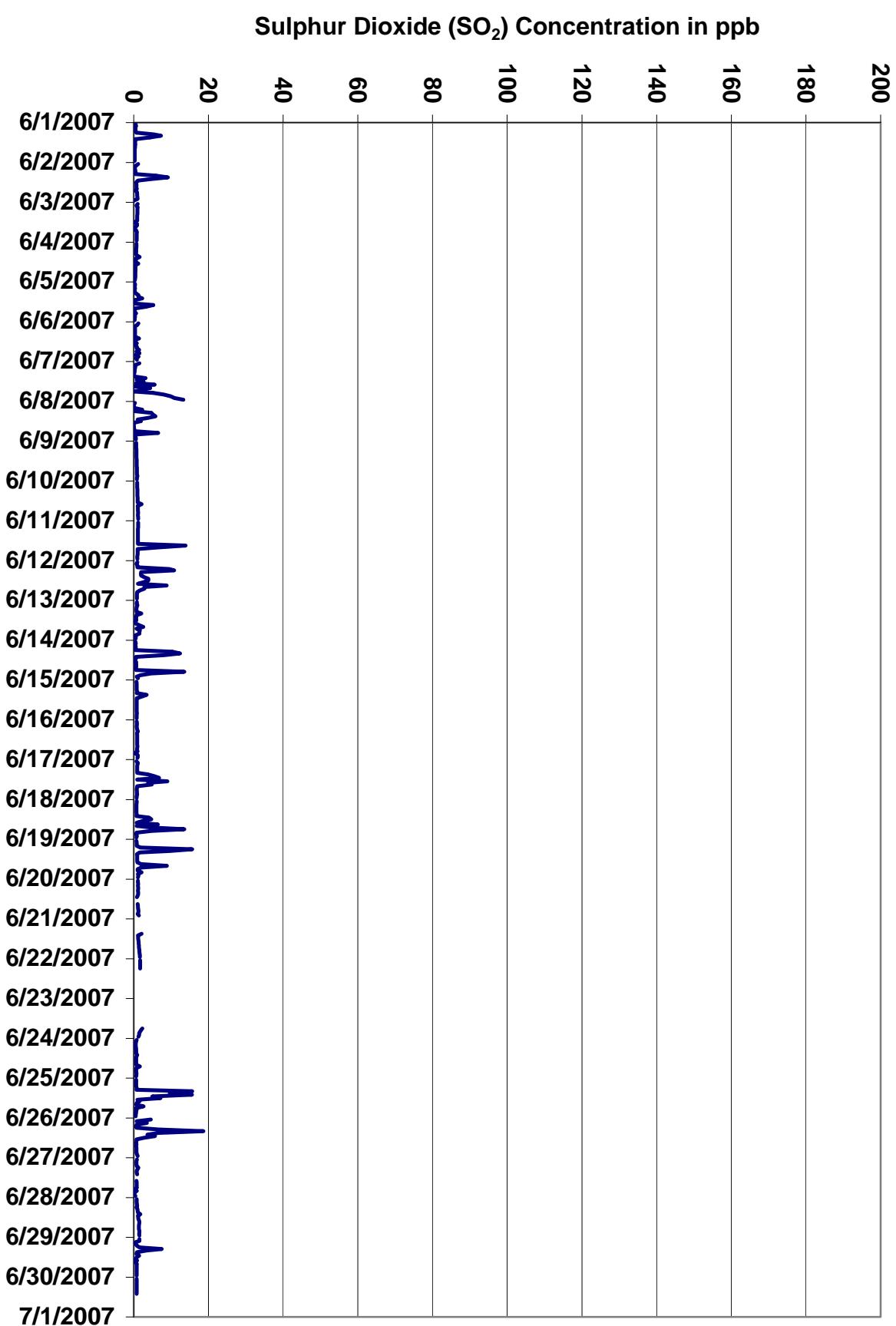
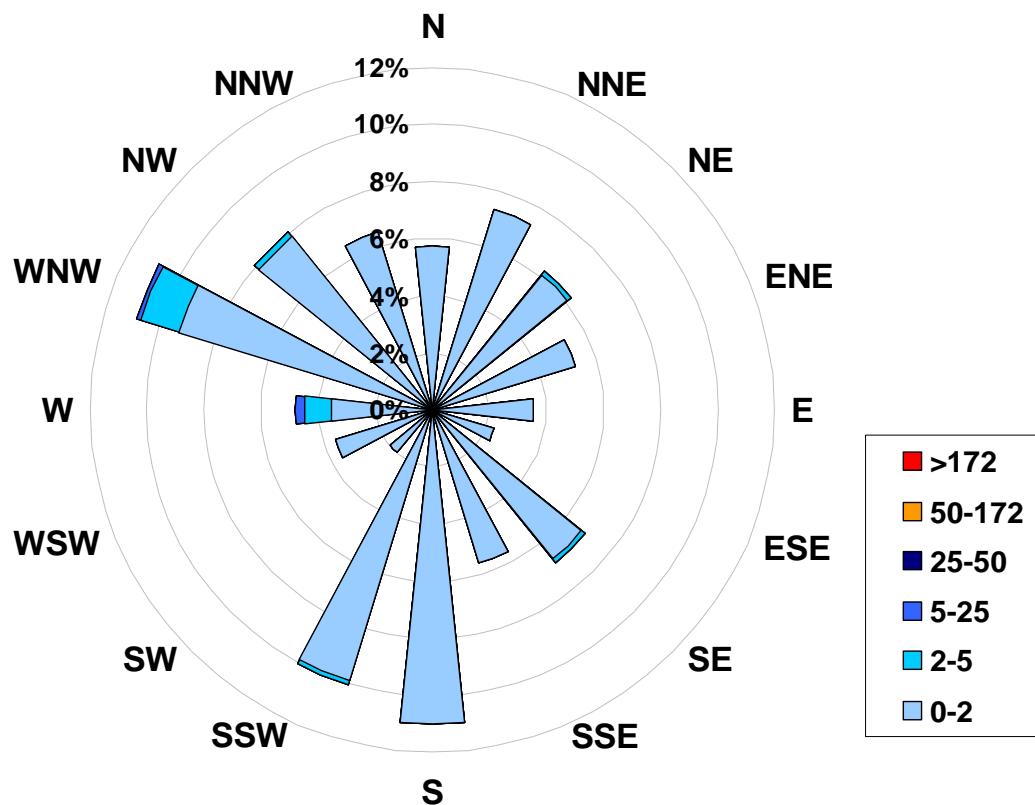


Figure 59. PASZA - Valleyview Sulphur Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 1%

Frequency Distribution of SO ₂ in ppb			Frequency (hrs)
Range			
0.0	<	2	606
2	to	5	19
5	to	25	3
25	to	50	0
50	to	172	0
>	172		0
Total Non-Zero Values			628

PASZA - Valleyview - Hydrogen Sulphide Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

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

Summary
Number of 1-hr Exceedances: 1
Number of 24-hr Exceedances: 0
Maximum 1-hr Average: 12.2 ppb 21-Jun 20:00 21:00
Maximum 24-hr Value: 0.3 ppb 29-Jun

AIC Time:	30 hrs	Operational Time:	628 hrs						
Calibration Time:	5 hrs	AMD Operational Uptime:	92.1%						
Percentile	99	95	75	50	25	5	1	Average	Median
	1.9	0.4	0.1	0.0	0.0	0.0	0.0	0.1 ppb	0.0 ppb

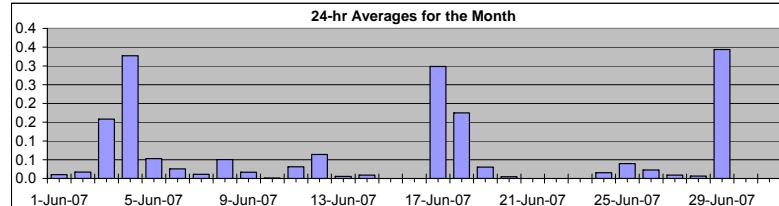
Day Mountain Standard Time

	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00	Daily Maximum
Hour Start	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24:00		
1-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
2-Jun-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	0.3
3-Jun-07	A	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	2.1
4-Jun-07	A	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.0
5-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
6-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
7-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
8-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.3
9-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
10-Jun-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
11-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
12-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
13-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
14-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
15-Jun-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
16-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
17-Jun-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	0.3	4.9
18-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.4
19-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
20-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0.0	0.1
21-Jun-07	P	P	P	P	P	P	P	2	3	1	0	0	0	0	0	0	0	0	0	4	12	0	0	0	N	12.2
22-Jun-07	A	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	0	0	0	0	0	N	0.1	
24-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
25-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
26-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2
27-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	C	C	C	0	0	0	0	0	0	0	0	0	0.0	0.1
28-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
29-Jun-07	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0.3	0.6
30-Jun-07	A	1	1	1	1	1	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.6	

Hourly Avg	N	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.1	0.1	0.3
Hourly Max	0.0	1.1	2.0	1.9	0.8	0.5	0.5	0.4	1.9	2.8	0.9	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	3.8	12.2	0.6	0.6	4.9	

HOURLY AVERAGE TABLE

Hydrogen Sulphide (H₂S)



Status Flag Characters

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

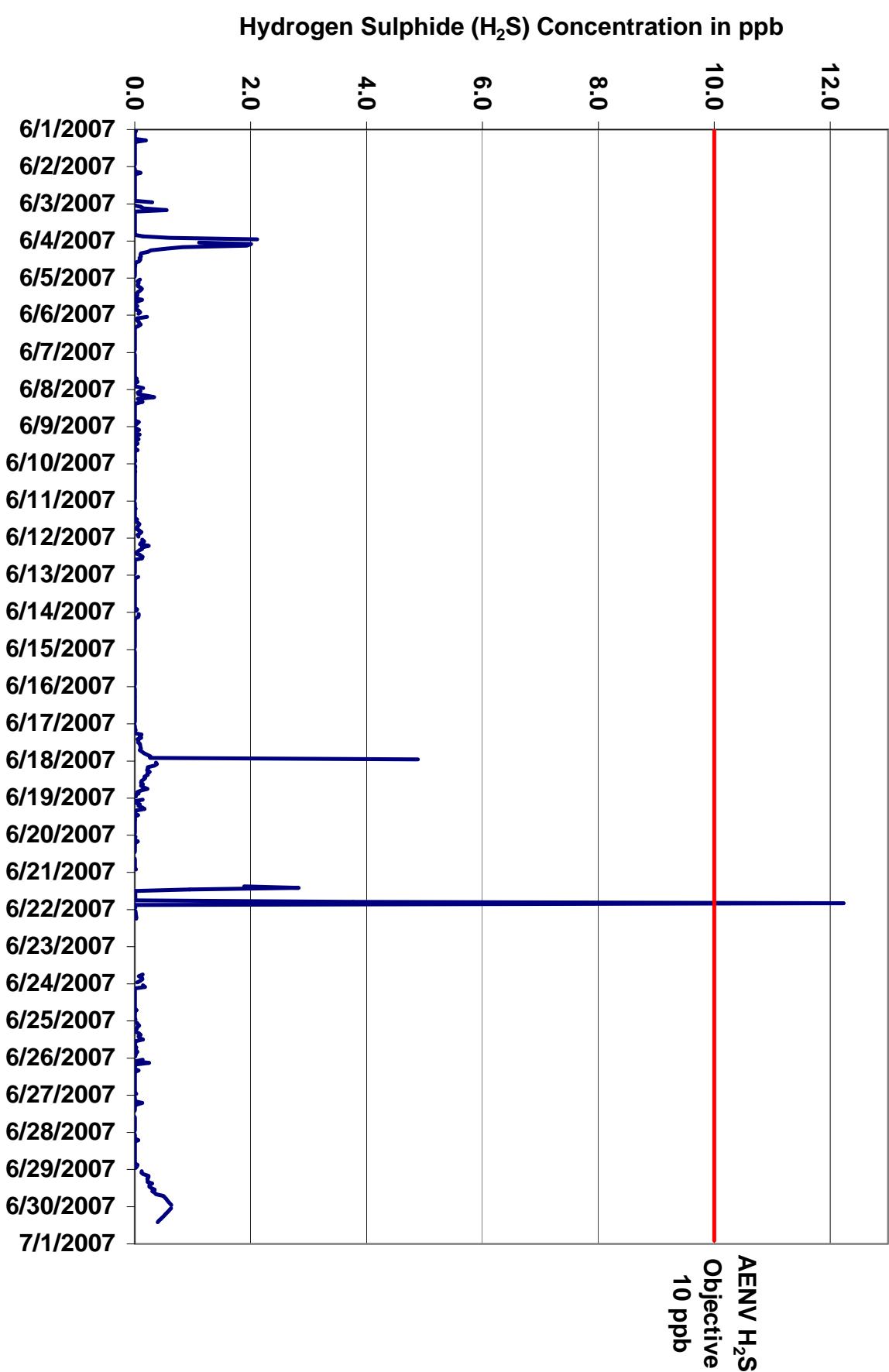


Figure 60. PASZA - Valleyview Hydrogen Sulphide 1-hr Average Monthly Trend

Station: Valleyview
Station Owner: PASZA

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Hydrogen Sulphide (H₂S)

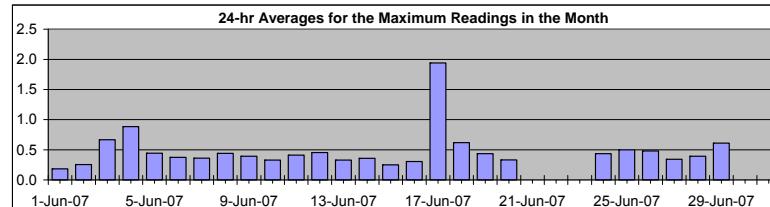
Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Value:	34.5 ppb	17-Jun 23:00 0:00
Maximum 24-hr Value:	1.9 ppb	17-Jun

AIC Time:	30 hrs	Operational Time:	628 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	92.1%
Percentile	99 95 75 50 25 5 1	Average	Median

3.2 0.9 0.5 0.4 0.3 0.0 0.0



Status Flag Characters

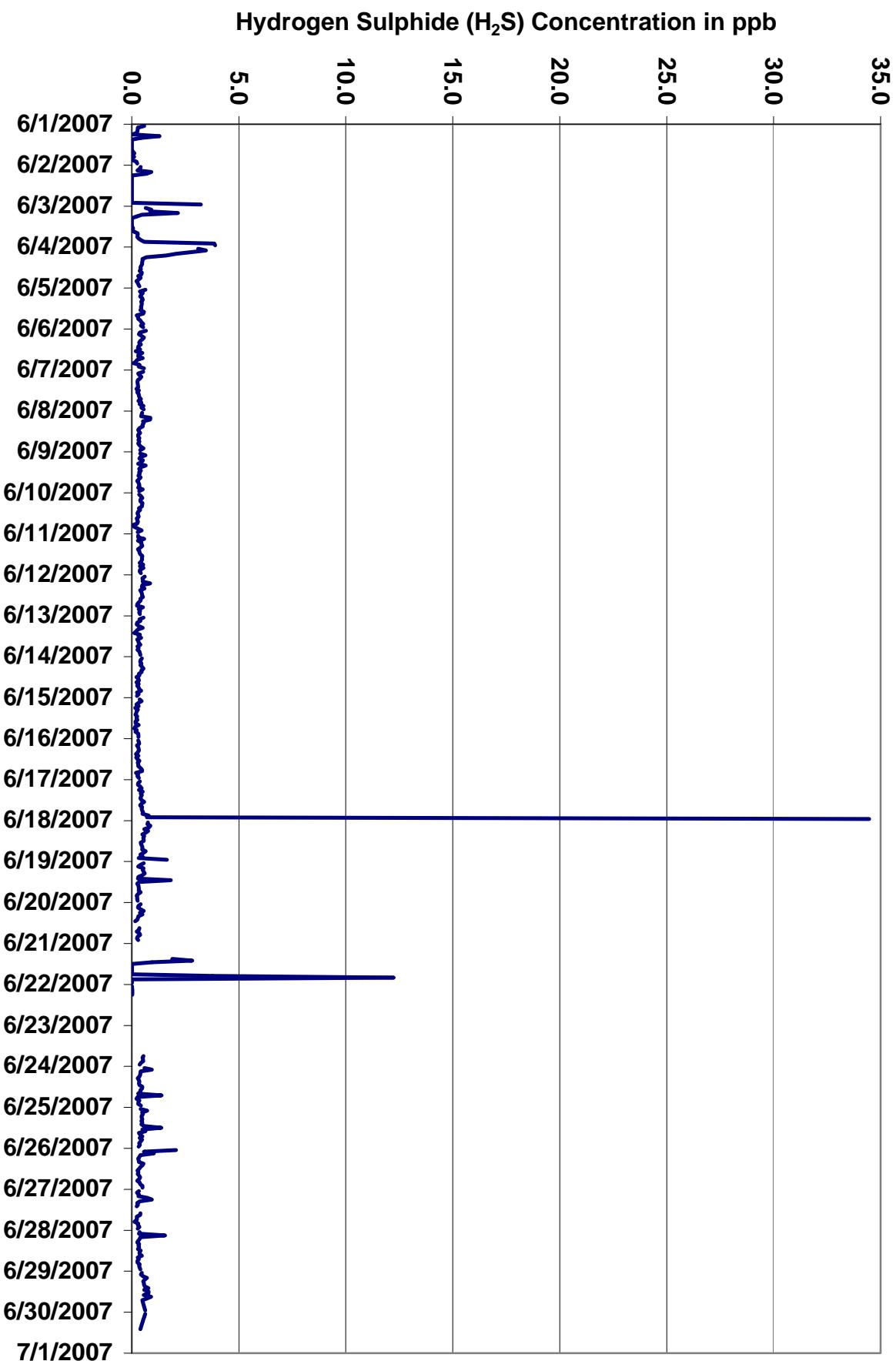
C	Calibration	A	AIC - Zero / Span Check
S	Instrument out of Service	X	Filter Exchange
N	No Data	M	Equipment Maintenance
D	Excessive Instrument Drift	P	Power Failure

Day Mountain Standard Time

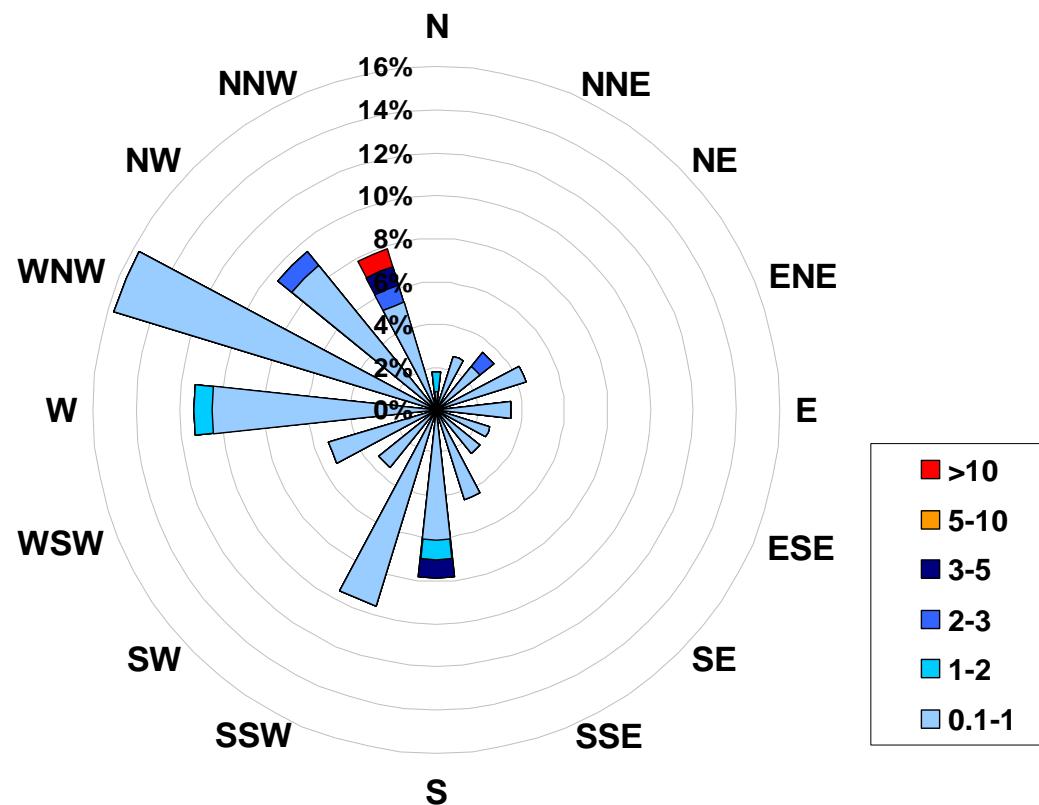
	Hour Start 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	24-hour Average	Daily Maximum
1-Jun-07	A	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	1.3
2-Jun-07	A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	3.2
3-Jun-07	A	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0.7	3.9
4-Jun-07	A	3	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	3.5
5-Jun-07	A	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0.4	0.6
6-Jun-07	A	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0.4	0.7
7-Jun-07	A	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.4	0.6
8-Jun-07	A	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.9
9-Jun-07	A	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0.6
10-Jun-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	0.3	0.5
11-Jun-07	A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0.4	0.6
12-Jun-07	A	1	0	1	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0.5	0.8
13-Jun-07	A	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.5
14-Jun-07	A	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.5
15-Jun-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
16-Jun-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	0.3	0.5
17-Jun-07	A	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	34.5
18-Jun-07	A	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	1	0	1	0	1	1	1	1	0.6	1.6
19-Jun-07	A	1	0	0	1	1	1	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.8
20-Jun-07	A	0	0	0	0	1	0	0	0	0	0	0	0	C	C	A	0	0	0	0	0	0	0	0	0	0.3	0.6
21-Jun-07	P	P	P	P	P	P	P	P	2	3	1	0	0	0	0	0	0	0	0	0	4	12	0	0	N	12.2	
22-Jun-07	A	0	0	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	1	1	1	0	0.5		
24-Jun-07	A	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.4	1.4
25-Jun-07	A	0	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0.5	1.4
26-Jun-07	A	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	2.1
27-Jun-07	A	0	0	0	0	1	1	0	0	0	0	C	C	C	0	0	0	0	0	0	0	0	0	0	0	0.3	0.9
28-Jun-07	A	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	1.6
29-Jun-07	A	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6	0.9
30-Jun-07	A	1	1	1	1	1	1	0	0	0	0	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.6

Hourly Avg N 0.6 0.6 0.6 0.6 0.5 0.4 0.4 0.4 0.4 0.4 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.5 0.7 0.4 0.5 1.9
Hourly Max 0.0 3.1 3.5 2.8 2.2 1.6 0.9 1.3 0.6 0.6 1.9 2.8 1.8 1.4 0.8 0.6 0.9 0.7 1.4 0.7 3.8 12.2 0.8 3.8 34.5

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



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



Calms: 1%

Frequency Distribution of H ₂ S in ppb			Frequency (hrs)
Range			
0.1	<	1	619
1	to	2	3
2	to	3	3
3	to	5	2
5	to	10	0
	>	10	1
Total Non-Zero Values			628

PASZA - Valleyview - Relative Humidity Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	99.2	%	20-Jun	5:00 6:00
Maximum 24-hr Value:	82.4	%	12-Jun	

AIC Time:	0 hrs	Operational Time:	623 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	86.5%						
Percentile	99 98.1	95 96.7	75 82.6	50 67.4	25 49.0	5 31.1	1 26.2	Average 65.8 %	Median 67.4 %

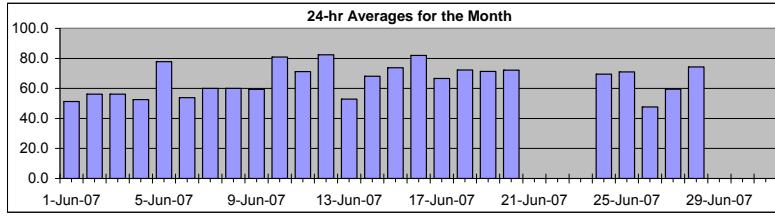
Day Mountain Standard Time

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	24:00	Daily 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	24:00			
1-Jun-07	75	85	86	89	88	89	76	67	58	46	41	33	28	26	25	25	27	33	34	36	38	38	40	49	51.3	89.3	
2-Jun-07	55	60	69	76	85	82	76	67	65	57	47	43	40	45	43	40	38	37	37	39	45	54	67	80	56.2	84.8	
3-Jun-07	84	87	90	95	97	94	83	71	68	58	45	38	35	32	31	30	29	28	30	31	36	45	51	58	56.2	97.3	
4-Jun-07	62	66	77	78	75	78	69	58	53	47	43	41	38	37	36	35	34	36	41	45	51	52	54	57	52.6	78.0	
5-Jun-07	65	74	79	78	81	89	90	88	89	84	83	81	80	78	76	77	73	72	74	72	76	82	69	58	77.8	89.5	
6-Jun-07	63	67	70	70	59	64	84	89	86	75	61	50	37	28	26	25	25	26	31	38	46	58	87	53.9	89.2		
7-Jun-07	94	96	97	96	97	93	83	73	67	53	35	31	30	28	28	27	34	44	52	54	56	58	58	59	60.0	96.8	
8-Jun-07	62	61	69	70	82	75	75	74	69	63	58	55	54	49	47	45	40	38	39	41	52	69	79	74	60.0	82.4	
9-Jun-07	70	74	74	77	78	82	80	72	66	57	46	43	41	41	40	41	44	42	46	50	52	57	67	82	59.4	82.2	
10-Jun-07	87	91	92	95	97	96	94	93	92	89	82	71	62	53	64	80	67	76	70	65	71	78	85	93	81.0	96.7	
11-Jun-07	97	97	98	97	98	94	93	77	69	60	56	53	49	48	44	42	49	52	60	70	69	76	80	82	71.2	97.8	
12-Jun-07	81	86	87	85	75	74	79	82	86	85	86	85	82	84	81	71	73	79	80	83	85	89	92	89	82.4	92.0	
13-Jun-07	93	87	79	80	87	74	69	63	52	42	41	39	38	32	29	27	27	26	27	28	44	57	62	66	52.9	92.6	
14-Jun-07	70	77	81	85	86	86	83	77	71	65	57	53	51	48	49	48	57	66	63	59	67	72	78	85	68.0	86.0	
15-Jun-07	93	96	97	97	97	97	92	82	73	67	63	57	54	57	51	45	48	50	54	60	74	83	89	93	73.7	97.3	
16-Jun-07	95	95	97	97	97	96	95	90	87	80	66	61	59	71	77	66	56	64	71	79	85	89	96	81.9	97.7		
17-Jun-07	98	98	98	98	97	93	88	82	73	64	43	40	43	44	33	33	34	38	32	46	58	79	89	66.6	98.0		
18-Jun-07	95	95	97	96	92	90	89	85	80	78	68	59	50	47	44	67	85	80	68	56	44	46	53	74	72.3	96.7	
19-Jun-07	79	79	81	80	89	85	68	68	67	68	69	65	61	53	53	47	50	74	70	78	87	92	96	71.3	95.9		
20-Jun-07	98	98	99	99	99	99	99	94	81	73	63	55	49	47	46	49	56	57	58	62	63	69	P	72.2	99.2		
21-Jun-07	P	P	P	P	P	P	P	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0		
22-Jun-07	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0		
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	79.5		
24-Jun-07	79	90	91	96	95	95	89	74	55	46	45	44	42	54	71	60	55	57	64	66	65	69	78	89	69.5	95.6	
25-Jun-07	92	96	97	98	98	98	90	72	68	64	63	60	56	55	65	50	52	48	48	53	66	67	74	74	71.1	98.1	
26-Jun-07	72	60	61	67	78	75	66	56	46	41	37	35	32	30	28	28	28	29	32	41	48	55	66	47.7	78.4		
27-Jun-07	65	68	70	76	77	74	67	59	51	44	47	48	47	42	39	38	41	44	57	71	67	73	79	85	59.5	85.2	
28-Jun-07	88	87	87	88	93	95	93	81	75	73	67	63	60	57	57	60	61	60	62	66	71	78	80	81	74.2	95.5	
29-Jun-07	86	92	94	95	97	95	88	84	85	85	75	67	58	52	49	48	60	N	N	N	N	N	N	N	N	97.1	
30-Jun-07	N	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0		

Hourly Avg	80.5	83.1	85.2	86.9	88.3	87.2	83.2	76.3	70.8	64.5	58.0	52.9	48.9	47.6	47.9	46.5	47.3	48.4	51.2	53.1	58.4	65.0	71.6	77.6
Hourly Max	97.6	98.4	98.9	99.0	99.2	99.2	93.8	92.3	89.1	85.5	85.5	82.2	83.6	81.0	80.4	84.6	79.9	80.1	82.7	85.3	89.3	95.6	97.7	

HOURLY AVERAGE TABLE

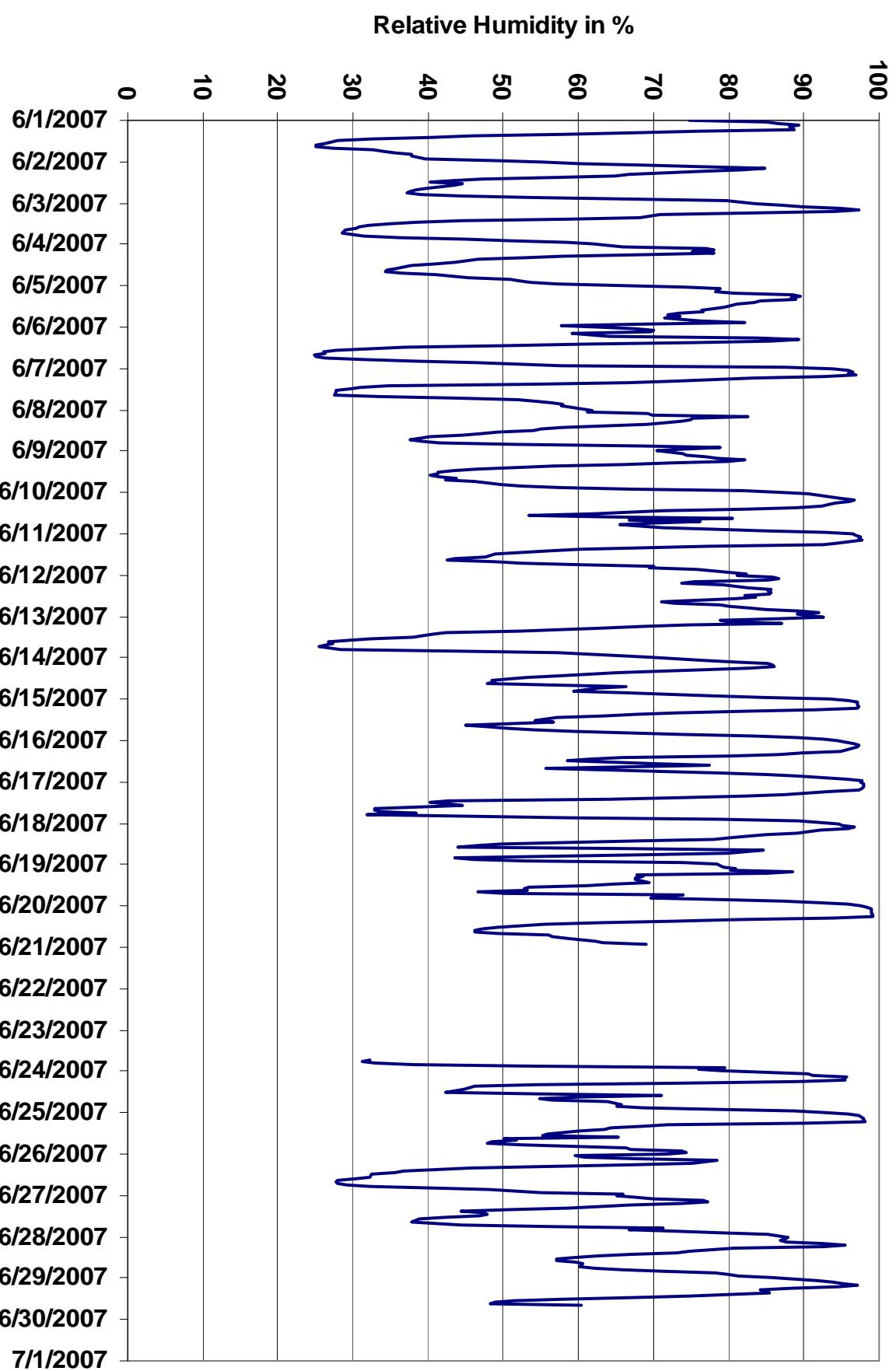
Relative Humidity (RH)



Status Flag Characters

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

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



PASZA - Valleyview - Temperature Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	27.8	°C	26-Jun	17:00 18:00
Maximum 24-hr Value:	21.4	°C	4-Jun	

AIC Time:	0 hrs	Operational Time:	623 hrs						
Calibration Time:	0 hrs	AMD Operational Uptime:	86.5%						
Percentile	99	95	75	50	25	5	1	Average	Median
	26.9	25.3	18.6	15.3	11.3	7.4	4.7		

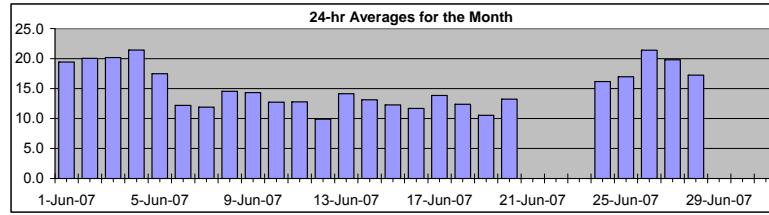
Day Mountain Standard Time

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	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	24:00		
1-Jun-07	13	12	11	10	9	10	13	16	18	20	22	24	25	26	26	27	26	25	25	24	23	22	21	19	19.4	26.7	
2-Jun-07	17	15	14	13	11	12	14	17	18	21	23	24	25	25	24	25	25	25	26	25	24	21	18	16	20.1	25.6	
3-Jun-07	15	14	13	12	11	11	14	17	18	21	24	25	26	26	26	27	27	27	26	26	25	23	21	20	20.2	26.7	
4-Jun-07	16	16	13	13	13	13	15	19	21	23	24	25	26	26	27	27	27	27	26	25	23	23	22	22	21.4	27.4	
5-Jun-07	20	18	17	16	16	15	16	16	16	16	17	17	18	18	19	20	21	19	19	19	19	18	17	17	17.5	20.6	
6-Jun-07	15	14	13	13	11	9	7	7	7	9	11	13	14	15	15	16	16	16	16	15	14	11	9	6	12.2	16.0	
7-Jun-07	5	4	3	2	2	3	5	8	11	15	16	17	17	18	18	19	18	17	16	15	15	15	15	14	11.9	18.5	
8-Jun-07	13	13	12	12	11	11	11	12	13	14	15	16	16	17	18	18	18	19	19	19	17	16	14	11	14.5	19.2	
9-Jun-07	12	11	10	9	9	8	9	11	12	15	17	17	18	19	19	19	19	19	19	18	18	17	16	16	14	14.3	19.1
10-Jun-07	11	11	10	10	10	10	11	11	12	12	14	15	16	18	15	12	15	14	15	15	15	14	12	11	12.7	17.6	
11-Jun-07	9	8	9	9	9	9	10	12	13	14	15	16	16	17	17	18	17	17	16	13	13	11	11	10	12.8	17.6	
12-Jun-07	10	10	9	10	10	10	9	9	9	8	8	8	9	9	11	12	12	12	12	12	11	10	10	10	9.9	11.9	
13-Jun-07	9	9	9	8	8	8	9	12	14	15	17	17	18	18	19	19	20	20	20	20	17	14	12	11	14.1	19.7	
14-Jun-07	11	11	10	10	10	10	10	11	13	14	15	17	17	17	18	17	15	14	15	15	13	12	11	10	13.1	17.7	
15-Jun-07	8	7	7	6	6	6	8	11	13	15	16	17	18	18	16	16	17	16	16	15	13	11	10	9	12.3	17.8	
16-Jun-07	8	8	8	6	8	8	9	10	11	12	16	17	17	14	12	15	17	15	14	13	12	11	10	9	11.7	17.1	
17-Jun-07	9	8	7	7	7	7	9	11	13	14	15	18	18	18	17	19	20	20	19	21	17	15	12	11	13.9	20.6	
18-Jun-07	9	9	8	7	8	8	8	10	11	12	14	16	18	19	20	15	12	14	15	15	14	12	9	12.4	19.9		
19-Jun-07	7	6	5	5	4	5	8	10	11	11	12	13	14	15	15	16	15	12	13	12	11	10	8	10.5	16.0		
20-Jun-07	7	6	6	6	5	6	7	9	12	14	15	16	18	18	19	20	19	18	18	18	16	16	15	P	13.2	19.5	
21-Jun-07	P	P	P	P	P	P	P	P	P	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0.0		
22-Jun-07	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	0.0	
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	23.5	
24-Jun-07	12	11	10	9	9	9	11	15	19	20	21	22	23	21	18	20	20	19	18	19	18	16	15	13	16.2	23.2	
25-Jun-07	12	11	10	9	8	9	12	15	16	17	19	20	21	21	20	21	22	23	22	23	21	19	18	17	17.0	22.7	
26-Jun-07	17	18	17	15	13	13	16	19	20	22	23	24	25	26	26	27	28	28	28	27	27	25	22	20	18	21.4	27.8
27-Jun-07	18	18	17	15	15	15	18	22	24	25	25	26	27	22	23	23	23	23	23	20	17	17	15	14	13	19.8	27.1
28-Jun-07	12	13	13	13	12	11	12	15	16	17	18	20	21	22	22	21	21	22	22	21	19	18	17	16	17.2	22.3	
29-Jun-07	15	14	14	13	13	14	15	16	16	16	18	20	22	23	23	24	22	N	N	N	N	N	N	N	N	23.5	
30-Jun-07	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0.0		

Hourly Avg	12.0	11.3	10.6	10.0	9.4	9.6	11.1	13.1	14.5	15.9	17.3	18.4	19.2	19.4	19.4	19.7	19.7	19.7	19.5	18.9	18.5	17.3	15.7	14.2	12.8
Hourly Max	19.5	17.6	17.1	16.3	16.2	15.4	18.3	21.6	24.2	25.3	25.3	26.2	27.1	26.4	26.9	27.4	27.6	27.8	27.3	26.9	25.1	23.0	22.5	21.5	

HOURLY AVERAGE TABLE

Ambient Temperature (T)



Status Flag Characters

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

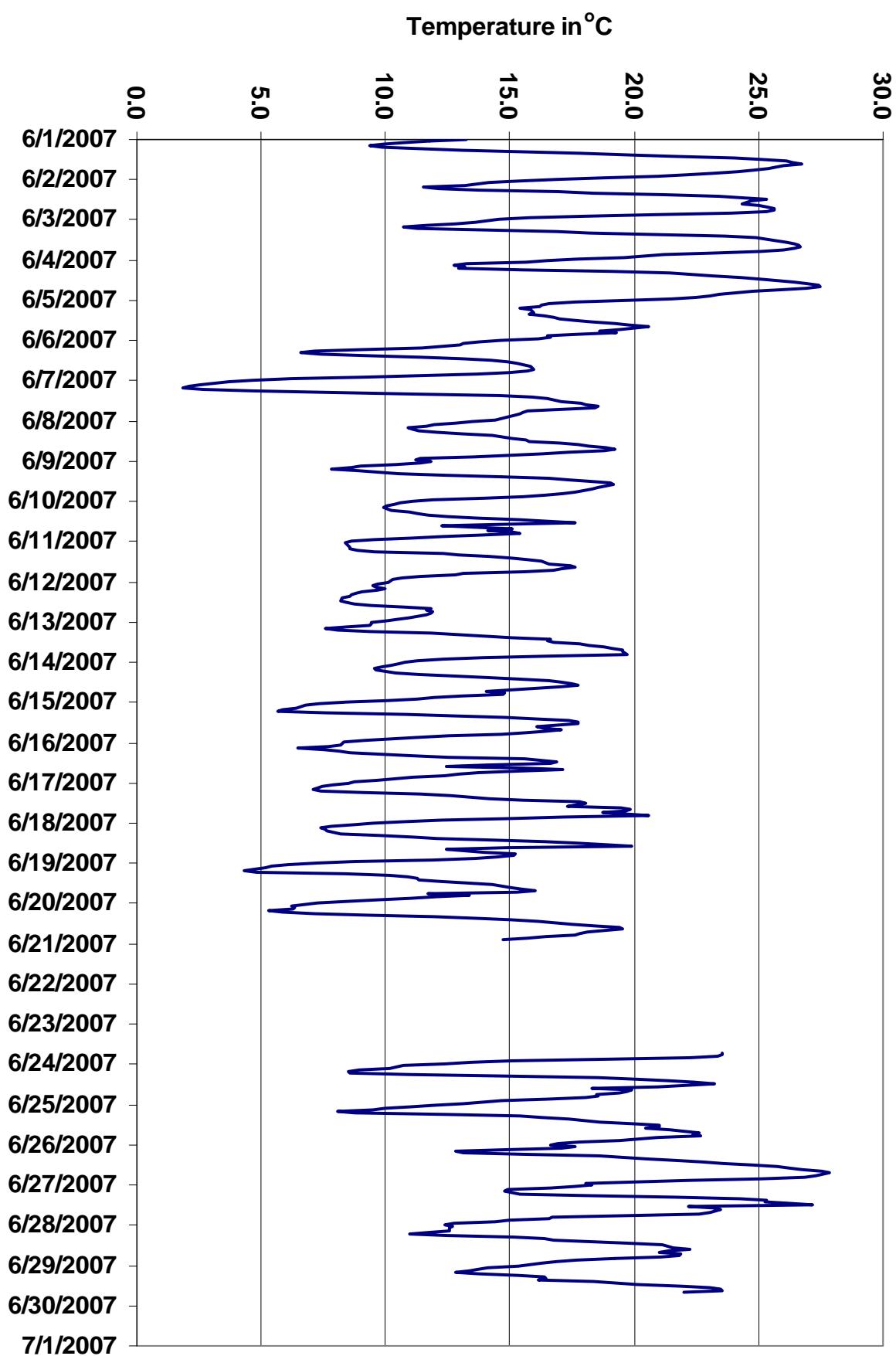


Figure 63. PASZA - Valleyview Temperature 1-hr Average Monthly Trend

PASZA - Valleyview - Scalar Wind Speed Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

Summary

Maximum 1-hr Average:	21.6	km/hr	23-Jun	17:00 18:00
Maximum 24-hr Value:	9.7	km/hr	8-Jun	

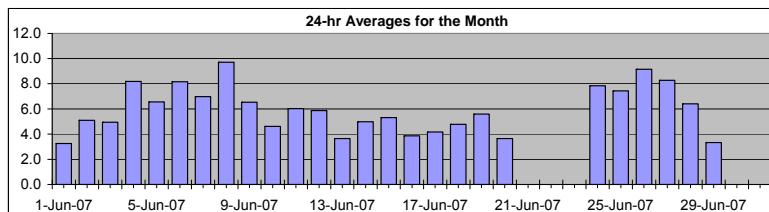
Calm Time:	5 hrs	1% calms	Operational Time:	658 hrs				
Calibration Time:	0 hrs		AMD Operational Uptime:	92.1%				
Percentile	99	95	75	50	25	5	1	AverageS

99	17.3	95	13.4	75	8.6	50	4.9	25	3.0	5	1.7	1	1.1	AverageS
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17.3	6.1 km/hr
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HOURLY AVERAGE TABLE

Wind Speed (WSs)



Status Flag Characters

C	Calibration	A	AIC - Zero / Span Check
S	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 1:00	0:00	1:00	2:00	3:00	4:00	5:00	6:00	6:00 7:00	7:00 8:00	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-Jun-07	2	2	3	3	2	2	1	2	2	3	3	4	5	6	6	6	4	3	5	3	3	3	3	2	2	3.2	6.2
2-Jun-07	2	3	3	2	2	2	2	2	4	3	3	4	6	16	17	13	10	5	7	5	3	4	2	2	5.1	16.6	
3-Jun-07	2	2	2	2	2	1	1	1	3	5	7	7	9	9	10	10	10	8	7	4	4	3	3	3	4.9	10.0	
4-Jun-07	3	3	3	3	4	4	5	6	7	13	14	16	16	14	14	12	13	11	8	8	5	8	4	2	8.2	16.0	
5-Jun-07	2	2	3	4	2	4	4	5	6	5	7	12	12	10	8	9	15	9	4	4	2	6	8	6.5	15.2		
6-Jun-07	8	5	5	9	13	10	8	5	3	4	10	10	10	12	13	12	12	12	10	6	3	2	2	8.1	13.2		
7-Jun-07	2	2	2	2	3	4	3	4	4	7	8	8	9	10	12	14	16	13	9	7	7	11	8	7.0	16.5		
8-Jun-07	11	14	12	10	11	11	10	12	11	10	10	7	10	11	12	13	13	12	10	3	2	2	3	9.7	13.8		
9-Jun-07	3	2	5	5	5	4	4	5	3	5	5	6	5	7	9	12	14	12	11	9	6	4	8	7	6.5	14.2	
10-Jun-07	8	4	3	3	3	2	2	2	5	6	5	4	3	3	5	12	7	7	6	4	4	4	3	2	4.6	12.3	
11-Jun-07	3	4	4	3	2	2	2	2	5	9	9	8	10	8	10	12	9	5	6	7	5	3	3	6.0	11.9		
12-Jun-07	5	6	4	3	6	11	7	5	5	6	11	12	14	10	9	7	2	3	3	3	2	2	2	5.9	14.4		
13-Jun-07	3	3	2	3	2	2	3	2	4	6	3	3	4	5	4	5	5	3	3	2	6	5	4	3.6	6.1		
14-Jun-07	3	2	3	3	3	1	1	3	5	6	6	6	7	11	10	11	8	6	7	8	3	3	3	5.0	10.6		
15-Jun-07	3	3	3	3	2	2	2	5	5	4	6	5	10	7	11	5	5	8	6	9	12	6	4	5.3	11.6		
16-Jun-07	3	1	3	6	4	2	1	2	3	6	4	8	7	7	4	4	5	5	4	3	1	2	2	3.9	8.2		
17-Jun-07	2	3	2	4	2	2	2	2	3	5	6	5	10	13	11	5	6	6	3	1	2	2	2	4.2	12.6		
18-Jun-07	2	2	2	2	2	2	2	2	2	4	4	5	4	4	4	12	7	6	9	11	13	8	4	4.8	12.9		
19-Jun-07	4	3	3	3	2	4	11	15	15	12	10	7	5	4	2	4	6	7	5	2	3	3	2	5.6	14.9		
20-Jun-07	2	2	3	1	2	2	3	2	2	4	3	5	4	4	4	4	5	6	5	5	4	4	7	3.6	7.1		
21-Jun-07	P	P	P	P	P	P	P	P	P	9	10	8	13	11	12	11	13	12	10	11	5	calm	calm	N	13.0		
22-Jun-07	3	1	1	1	1	calm	1	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	3.0		
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	21.6		
24-Jun-07	5	5	3	4	4	5	6	7	6	8	11	10	8	11	9	13	9	8	12	12	11	9	8	7.8	13.2		
25-Jun-07	2	2	3	2	2	4	5	7	10	14	10	6	6	14	9	18	16	20	8	3	4	5	4	4	7.4	19.9	
26-Jun-07	8	15	9	6	6	6	5	7	16	20	19	15	12	10	8	10	7	6	6	5	5	7	5	9.2	20.0		
27-Jun-07	11	6	7	4	4	3	6	10	13	20	17	17	15	6	5	5	5	10	7	5	7	4	3	8.3	20.2		
28-Jun-07	5	6	6	4	3	5	3	2	3	5	7	5	4	7	7	10	8	9	9	11	9	11	9	6.4	11.3		
29-Jun-07	3	2	2	3	3	3	4	5	5	4	4	3	4	3	4	5	4	4	4	1	3	5	1	3.3	5.1		
30-Jun-07	3	7	9	12	11	8	12	11	7	9	8	P	P	P	P	P	P	P	P	P	P	P	P	N	12.0		

1-hr Average	4.0	4.0	3.9	3.9	4.0	3.9	4.2	5.2	6.0	7.3	7.7	7.5	8.2	8.7	8.7	9.1	8.8	8.8	7.7	6.7	5.4	4.4	4.2	3.7
Hourly Max	11.4	14.9	12.2	12.0	12.6	10.9	12.0	14.9	16.3	20.2	18.7	16.6	16.0	16.4	16.6	17.5	16.4	21.6	19.9	13.0	12.9	10.6	10.5	8.3

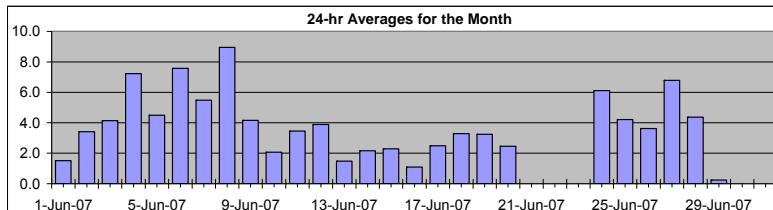
PASZA - Valleyview - Vector Wind Speed Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Speed (WSv)



Summary

Maximum 1-hr Average:	20.2	km/hr	23-Jun	17:00 18:00
Maximum 24-hr Value:	8.9	km/hr	8-Jun	

Calm Time:	31 hrs	4% calms	Operational Time:	632 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	92.1%
Percentile	99	95	75	AverageV
	16.8	13.0	8.1	1.5 km/hr
	4.3	2.4	1.2	0.9

Day Mountain Standard Time

	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	25:00	26:00	27:00	28:00	29:00	30:00	31:00	32:00	33:00	34:00	35:00	36:00	37:00	38:00	39:00	40:00	41:00	42:00	43:00	44:00	45:00	46:00	47:00	48:00	49:00	50:00	51:00	52:00	53:00	54:00	55:00	56:00	57:00	58:00	59:00	60:00	61:00	62:00	63:00	64:00	65:00	66:00	67:00	68:00	69:00	70:00	71:00	72:00	73:00	74:00	75:00	76:00	77:00	78:00	79:00	80:00	81:00	82:00	83:00	84:00	85:00	86:00	87:00	88:00	89:00	90:00	91:00	92:00	93:00	94:00	95:00	96:00	97:00	98:00	99:00	100:00	101:00	102:00	103:00	104:00	105:00	106:00	107:00	108:00	109:00	110:00	111:00	112:00	113:00	114:00	115:00	116:00	117:00	118:00	119:00	120:00	121:00	122:00	123:00	124:00	125:00	126:00	127:00	128:00	129:00	130:00	131:00	132:00	133:00	134:00	135:00	136:00	137:00	138:00	139:00	140:00	141:00	142:00	143:00	144:00	145:00	146:00	147:00	148:00	149:00	150:00	151:00	152:00	153:00	154:00	155:00	156:00	157:00	158:00	159:00	160:00	161:00	162:00	163:00	164:00	165:00	166:00	167:00	168:00	169:00	170:00	171:00	172:00	173:00	174:00	175:00	176:00	177:00	178:00	179:00	180:00	181:00	182:00	183:00	184:00	185:00	186:00	187:00	188:00	189:00	190:00	191:00	192:00	193:00	194:00	195:00	196:00	197:00	198:00	199:00	200:00	201:00	202:00	203:00	204:00	205:00	206:00	207:00	208:00	209:00	210:00	211:00	212:00	213:00	214:00	215:00	216:00	217:00	218:00	219:00	220:00	221:00	222:00	223:00	224:00	225:00	226:00	227:00	228:00	229:00	230:00	231:00	232:00	233:00	234:00	235:00	236:00	237:00	238:00	239:00	240:00	241:00	242:00	243:00	244:00	245:00	246:00	247:00	248:00	249:00	250:00	251:00	252:00	253:00	254:00	255:00	256:00	257:00	258:00	259:00	260:00	261:00	262:00	263:00	264:00	265:00	266:00	267:00	268:00	269:00	270:00	271:00	272:00	273:00	274:00	275:00	276:00	277:00	278:00	279:00	280:00	281:00	282:00	283:00	284:00	285:00	286:00	287:00	288:00	289:00	290:00	291:00	292:00	293:00	294:00	295:00	296:00	297:00	298:00	299:00	300:00	301:00	302:00	303:00	304:00	305:00	306:00	307:00	308:00	309:00	310:00	311:00	312:00	313:00	314:00	315:00	316:00	317:00	318:00	319:00	320:00	321:00	322:00	323:00	324:00	325:00	326:00	327:00	328:00	329:00	330:00	331:00	332:00	333:00	334:00	335:00	336:00	337:00	338:00	339:00	340:00	341:00	342:00	343:00	344:00	345:00	346:00	347:00	348:00	349:00	350:00	351:00	352:00	353:00	354:00	355:00	356:00	357:00	358:00	359:00	360:00	361:00	362:00	363:00	364:00	365:00	366:00	367:00	368:00	369:00	370:00	371:00	372:00	373:00	374:00	375:00	376:00	377:00	378:00	379:00	380:00	381:00	382:00	383:00	384:00	385:00	386:00	387:00	388:00	389:00	390:00	391:00	392:00	393:00	394:00	395:00	396:00	397:00	398:00	399:00	400:00	401:00	402:00	403:00	404:00	405:00	406:00	407:00	408:00	409:00	410:00	411:00	412:00	413:00	414:00	415:00	416:00	417:00	418:00	419:00	420:00	421:00	422:00	423:00	424:00	425:00	426:00	427:00	428:00	429:00	430:00	431:00	432:00	433:00	434:00	435:00	436:00	437:00	438:00	439:00	440:00	441:00	442:00	443:00	444:00	445:00	446:00	447:00	448:00	449:00	450:00	451:00	452:00	453:00	454:00	455:00	456:00	457:00	458:00	459:00	460:00	461:00	462:00	463:00	464:00	465:00	466:00	467:00	468:00	469:00	470:00	471:00	472:00	473:00	474:00	475:00	476:00	477:00	478:00	479:00	480:00	481:00	482:00	483:00	484:00	485:00	486:00	487:00	488:00	489:00	490:00	491:00	492:00	493:00	494:00	495:00	496:00	497:00	498:00	499:00	500:00	501:00	502:00	503:00	504:00	505:00	506:00	507:00	508:00	509:00	510:00	511:00	512:00	513:00	514:00	515:00	516:00	517:00	518:00	519:00	520:00	521:00	522:00	523:00	524:00	525:00	526:00	527:00	528:00	529:00	530:00	531:00	532:00	533:00	534:00	535:00	536:00	537:00	538:00	539:00	540:00	541:00	542:00	543:00	544:00	545:00	546:00	547:00	548:00	549:00	550:00	551:00	552:00	553:00	554:00	555:00	556:00	557:00	558:00	559:00	560:00	561:00	562:00	563:00	564:00	565:00	566:00	567:00	568:00	569:00	570:00	571:00	572:00	573:00	574:00	575:00	576:00	577:00	578:00	579:00	580:00	581:00	582:00	583:00	584:00	585:00	586:00	587:00	588:00	589:00	590:00	591:00	592:00	593:00	594:00	595:00	596:00	597:00	598:00	599:00	600:00	601:00	602:00	603:00	604:00	605:00	606:00	607:00	608:00	609:00	610:00	611:00	612:00	613:00	614:00	615:00	616:00	617:00	618:00	619:00	620:00	621:00	622:00	623:00	624:00	625:00	626:00	627:00	628:00	629:00	630:00	631:00	632:00	633:00	634:00	635:00	636:00	637:00	638:00	639:00	640:00	641:00	642:00	643:00	644:00	645:00	646:00	647:00	648:00	649:00	650:00	651:00	652:00	653:00	654:00	655:00	656:00	657:00	658:00	659:00	660:00	661:00	662:00	663:00	664:00	665:00	666:00	667:00	668:00	669:00	670:00	671:00	672:00	673:00	674:00	675:00	676:00	677:00	678:00	679:00	680:00	681:00	682:00	683:00	684:00	685:00	686:00	687:00	688:00	689:00	690:00	691:00	692:00	693:00	694:00	695:00	696:00	697:00	698:00	699:00	700:00	701:00	702:00	703:00	704:00	705:00	706:00	707:00	708:00	709:00	710:00	711:00	712:00	713:00	714:00	715:00	716:00	717:00	718:00	719:00	720:00	721:00	722:00	723:00	724:00	725:00	726:00	727:00	728:00	729:00	730:00	731:00	732:00	733:00	734:00	735:00	736:00	737:00	738:00	739:00	740:00	741:00	742:00	743:00	744:00	745:00	746:00	747:00	748:00	749:00	750:00	751:00	752:00	753:00	754:00	755:00	756:00	757:00	758:00	759:00	760:00	761:00	762:00	763:00	764:00	765:00	766:00	767:00	768:00	769:00	770:00	771:00	772:00	773:00	774:00	775:00	776:00	777:00	778:00	779:00	780:00	781:00	782:00	783:00	784:00	785:00	786:00	787:00	788:00	789:00	790:00	791:00	792:00	793:00	794:00	795:00	796:00	797:00	798:00	799:00	800:00	801:00	802:00	803:00	804:00	805:00	806:00	807:00	808:00	809:00	810:00	811:00	812:00	813:00	814:00	815:00	816:00	817:00	818:00	819:00	820:00	821:00	822:00	823:00	824:00	825:00	826:00	827:00	828:00	829:00	830:00	831:00	832:00	833:00	834:00	835:00	836:00	837:00	838:00	839:00	840:00	841:00	842:00	843:00	844:00	845:00	846:00	847:00	848:00	849:00	850:00	851:00	852:00	853:00	854:00	855:00	856:00	857:00	858:00	859:00	860:00	861:00	862:00	863:00	864:00	865:00	866:00	867:00	868:00	869:00	870:00	871:00	872:00	873:00	874:00	875:00	876:00	877:00	878:00	879:00	880:00	881:00	882:00	883:00	884:00	885:00	886:00	887:00	888:00	889:00	890:00	891:00	892:00	893:00	894:00	895:00	896:00	897:00	898:00	899:00	900:00	901:00	902:00	903:00	904:00	905:00	906:00	907:00	908:00	909:00	910:00	911:00	912:0

PASZA - Valleyview - Wind Direction Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

Wind Data Summary													

Calm Time:	0 hrs	0% calms	Operational Time:	663 hrs									
Calibration Time:	0 hrs		AMD Operational Uptime:	92.1%									
Percentile	99	95	75	50	25	5	1	Average					
	354.4	337.8	289.1	187.8	99.6	13.3	4.8	309 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	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-Jun-07	349	233	183	206	206	159	186	354	200	31	37	14	13	7	3	49	30	58	62	78	94	123	161	132	48	NE
2-Jun-07	335	342	356	274	195	179	196	208	343	55	129	345	13	12	13	13	5	354	11	19	129	190	335	101	11	N
3-Jun-07	244	340	312	115	345	296	210	82	35	43	59	56	61	54	61	54	50	53	65	66	73	95	106	336	55	NE
4-Jun-07	151	173	43	9	43	15	90	137	149	156	149	145	139	145	139	146	139	146	145	133	124	135	138	179	139	SE
5-Jun-07	356	32	355	19	85	336	277	273	279	308	298	324	315	303	288	287	320	348	3	50	194	194	54	65	325	NW
6-Jun-07	58	47	49	38	45	47	35	26	15	18	5	17	9	1	10	5	10	4	5	5	13	344	312	177	19	NNE
7-Jun-07	180	192	195	188	178	182	184	188	193	208	288	288	296	302	307	328	303	293	298	292	274	276	290	287	285	WNW
8-Jun-07	293	293	299	297	294	293	299	289	296	293	295	284	338	317	323	330	325	321	343	332	315	181	205	238	307	NW
9-Jun-07	163	35	8	10	27	16	23	59	69	51	47	58	87	67	66	129	142	138	139	142	148	151	165	158	105	ESE
10-Jun-07	163	169	144	107	95	110	172	184	186	182	187	159	113	80	304	129	60	46	56	107	89	80	41	355	118	ESE
11-Jun-07	19	333	325	359	211	232	210	296	307	318	313	314	322	338	303	302	271	51	164	182	220	194	197	188	297	WNW
12-Jun-07	194	172	172	124	304	289	294	289	253	266	276	280	282	278	265	276	176	112	142	156	171	140	195	197	261	W
13-Jun-07	184	200	183	164	182	203	179	192	306	334	96	68	45	337	327	320	330	298	280	239	323	335	345	317	313	NW
14-Jun-07	328	209	140	188	203	181	70	294	281	289	331	352	1	15	5	13	199	216	251	278	292	298	293	182	309	NW
15-Jun-07	200	185	189	193	188	200	188	307	339	294	330	21	13	60	136	128	71	23	16	16	19	27	13	343	26	NNE
16-Jun-07	310	257	274	0	32	54	184	32	29	15	22	12	50	149	182	6	354	187	202	252	251	313	187	193	13	NNE
17-Jun-07	159	186	200	179	187	192	211	280	318	317	306	18	331	298	299	250	305	333	25	242	302	314	148	181	296	WNW
18-Jun-07	194	189	191	190	177	199	192	129	176	199	213	276	331	312	331	280	275	276	288	299	308	321	282	204	278	W
19-Jun-07	198	205	204	197	168	237	278	305	318	334	350	351	17	309	180	58	301	279	244	230	44	55	24	319	309	NW
20-Jun-07	269	239	180	290	354	31	359	125	55	56	96	66	102	92	120	50	64	59	64	64	89	120	13	P	68	ENE
21-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	305	319	326	327	224	187	210	
22-Jun-07	181	214	142	294	139	173	148	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	305	319	326	327	224	187	210	
24-Jun-07	112	165	194	192	193	188	200	177	194	196	189	184	183	195	225	253	249	110	112	136	143	167	179	187	180	S
25-Jun-07	215	157	337	192	256	198	192	207	275	297	286	270	315	358	23	339	348	312	311	308	122	211	198	217	303	WNW
26-Jun-07	262	306	296	246	173	169	182	239	298	303	295	294	286	241	320	45	22	137	98	92	86	82	76	155	291	WNW
27-Jun-07	155	165	187	225	202	211	190	173	178	185	190	184	190	185	188	139	137	150	177	111	89	80	90	315	172	S
28-Jun-07	23	38	54	69	8	352	8	161	149	139	150	154	147	136	140	139	133	135	138	151	160	170	168	192	136	SE
29-Jun-07	217	216	197	299	57	161	347	302	270	260	198	200	57	72	348	61	96	199	113	12	47	70	217	32	4	N
30-Jun-07	292	289	294	291	272	266	255	254	235	246	241	P	P	P	P	P	P	P	P	P	P	P	P	P	N	-

Hourly Avg 208 249 266 281 279 256 245 254 278 283 287 320 341 344 333 350 343 338 4 27 63 148 161 206

PASZA - Valleyview - Standard Deviation of Wind Direction Monthly Summary

Station: Valleyview
Station Owner: PASZA

Monitoring Dates: June 1, 2007 to July 1, 2007

HOURLY AVERAGE TABLE

Wind Direction (WD)

Summary

|--|--|--|--|--|--|--|

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	0% calms	Operational Time:	623 hrs			
Calibration Time:	0 hrs		AMD Operational Uptime:	86.5%			
Percentile	99	95	75	50	25	5	1
	69.0	56.9	35.4	20.9	13.5	8.6	6.7

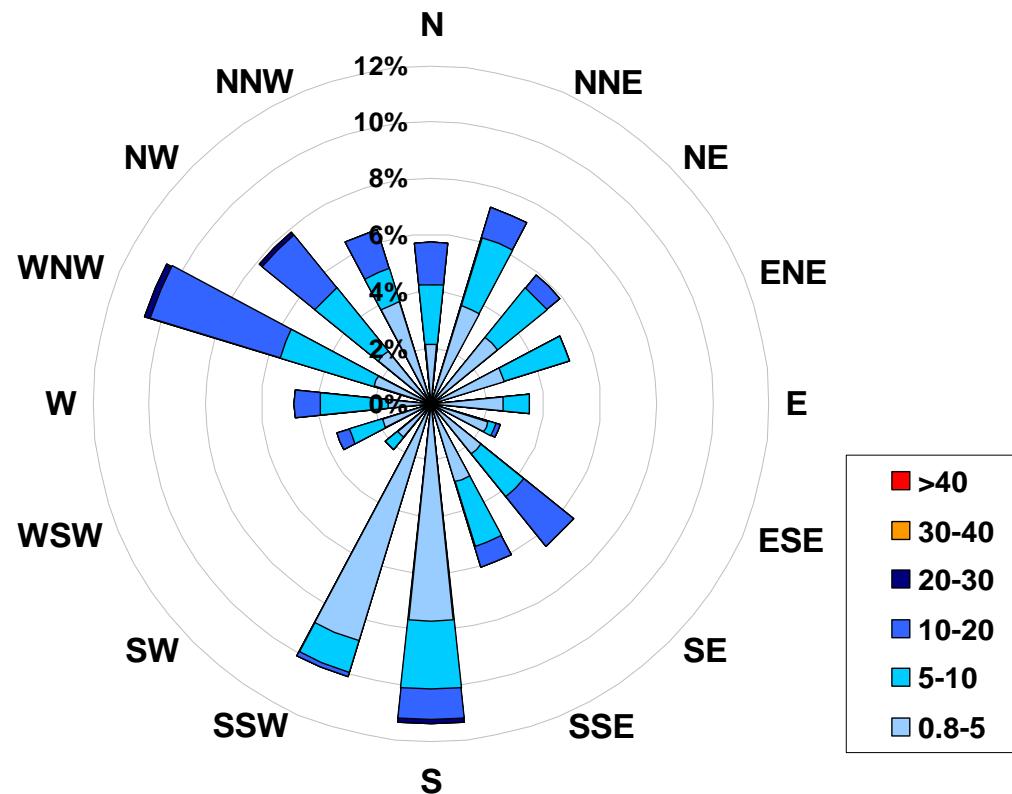
Status Flag Characters

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																								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	
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-Jun-07	68	52	29	25	54	48	49	58	27	48	57	68	52	39	61	38	13	18	13	17	15	16	28	29	68.3	
2-Jun-07	43	32	62	67	37	28	12	45	21	46	61	56	50	26	12	11	14	11	8	10	41	8	50	41	66.6	
3-Jun-07	35	22	41	37	26	24	58	74	30	29	30	31	33	31	24	18	18	18	16	16	14	22	10	30	73.8	
4-Jun-07	20	36	24	24	20	15	18	17	18	14	12	12	12	15	15	16	11	13	11	7	12	7	40	34	39.9	
5-Jun-07	57	17	34	25	42	37	17	17	16	32	24	13	12	12	19	27	11	7	9	32	19	31	17	14	56.9	
6-Jun-07	12	12	18	10	9	11	12	10	24	25	25	21	19	17	14	21	12	15	13	9	5	9	39	13	38.6	
7-Jun-07	15	11	18	34	12	16	14	15	17	53	29	35	42	42	20	14	11	8	9	10	9	9	8	10	52.5	
8-Jun-07	8	7	7	6	8	7	10	7	11	15	12	20	16	24	20	16	17	14	9	21	25	21	35	24	34.8	
9-Jun-07	39	39	25	9	12	13	32	27	51	36	42	40	42	30	28	15	13	11	9	11	12	14	14	11	51.3	
10-Jun-07	14	25	21	28	29	25	47	13	11	16	20	45	66	37	46	41	26	18	23	25	16	12	28	39	65.7	
11-Jun-07	32	23	20	32	17	21	26	33	19	19	25	27	24	30	21	19	16	44	15	9	18	16	12	17	43.9	
12-Jun-07	11	16	32	44	43	10	12	11	15	9	6	7	8	10	9	18	42	46	31	24	30	47	20	32	46.7	
13-Jun-07	9	14	16	14	12	13	14	26	43	33	44	55	42	69	71	74	48	61	54	50	26	18	32	22	74.2	
14-Jun-07	49	46	57	40	37	38	34	44	30	30	35	43	23	19	22	15	42	24	22	14	30	30	41	62	62.1	
15-Jun-07	13	8	11	8	11	12	14	33	25	61	43	47	24	19	9	32	33	11	13	10	8	10	9	12	60.6	
16-Jun-07	26	59	24	6	8	40	47	37	27	30	68	28	22	14	24	14	23	18	14	20	37	41	40	15	67.8	
17-Jun-07	73	12	13	11	14	17	25	43	40	30	39	66	37	14	13	35	40	30	32	45	23	49	32	10	72.8	
18-Jun-07	9	25	27	36	17	22	28	55	58	12	32	42	64	66	56	25	15	21	13	12	10	9	18	8	65.7	
19-Jun-07	8	11	10	11	25	19	9	10	10	11	12	15	60	43	43	42	54	46	21	17	46	14	20	15	56	
20-Jun-07	43	23	14	37	23	33	25	41	49	42	54	38	51	70	74	36	53	27	27	20	16	16	11	44	74.4	
21-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	N	N	N	N	0.0		
22-Jun-07	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0.0		
23-Jun-07	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	20.0		
24-Jun-07	21	25	30	10	12	12	12	17	21	33	25	37	39	12	22	16	41	30	22	12	15	10	10	22	41.4	
25-Jun-07	25	39	59	45	34	14	15	25	17	15	34	60	62	21	19	15	14	15	14	49	44	17	14	28	62.1	
26-Jun-07	21	10	20	39	10	11	14	31	13	18	22	30	44	56	69	38	53	38	26	20	14	10	18	19	69.1	
27-Jun-07	11	11	7	15	16	43	18	14	17	12	11	15	16	23	35	42	12	14	22	24	15	18	41	33	42.6	
28-Jun-07	19	10	13	19	29	5	14	33	31	17	21	31	29	18	17	10	9	11	10	11	15	12	12	24	33.2	
29-Jun-07	35	14	21	50	28	57	21	21	26	35	40	54	54	49	43	50	25	N	N	N	N	N	N	N	56.7	
30-Jun-07	N	N	N	N	N	N	N	N	N	N	N	P	P	P	P	P	P	P	P	P	P	P	P	0.0		

Hourly Max 73 59 62 67 54 57 58 74 58 61 68 68 66 70 74 74 53 61 54 50 44 49 50 62

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



Calms: 1%

Frequency Distribution of Wind in km/hr			Frequency (hrs)
Range			
0.8	<	5	335
5	to	10	201
10	to	20	117
20	to	30	3
30	to	40	0
>	40		0
Total Non-Zero Values			658

PASZA

Monthly Passive Data Summary

Table 1. PASZA Passive Stations for June 2007**PASZA**

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
Duplicates					
5a	Boone Creek	0.2	31.4	1.1	
5b	Boone Creek	0.2	34.8	1.0	
2a	Bay Tree	0.2	32.8	0.3	
2b	Bay Tree	0.2	32.0	0.4	
1a	Silver Valley	0.3	31.7	1.6	
1b	Silver Valley	0.3	33.2	1.5	
3a	Forth Creek	0.4	37.7	0.7	
3b	Forth Creek	0.3	35.7	0.7	
49a	Grande Prairie HP	0.3	38.3	4.8	
49b	Grande Prairie HP	0.3	40.7	4.4	
1	Silver Valley	0.3	32.4	1.6	08-27-081-11 W6M
2	Bay Tree	0.2	32.4	0.4	13-16-078-13 W6M
3	Forth Creek	0.4	36.7	0.7	04-13-082-07 W6M
4	Gordondale	0.3	37.2	1.0	04-34-078-10 W6M
5	Boone Creek	0.2	33.1	1.0	01-23-076-11 W6M
7	Steeprock Creek	0.3	35.7	0.3	09-35-072-13 W6M
9	Spirit River	0.3	34.2	2.2	08-12-079-07 W6M
10	Woking	0.2	30.5	1.1	01-13-076-07 W6M
11	Webber Creek	0.3	31.6	1.9	09-36-074-09 W6M
12	Hythe	0.4	34.2	1.7	14-36-072-11 W6M
14	Sylvester	0.1	29.5	0.9	08-06-069-12 W6M
16	Beaverlodge	0.3	40.2	1.6	15-36-071-10 W6M
17	Poplar	0.3	31.8	2.0	13-06-073-08 W6M
18	Saddle Hills	0.4	35.1	0.9	04-25-074-07 W6M
19	Wanham	0.3	34.7	1.0	16-22-077-03 W6M
20	Shaftesbury	0.2	28.8	0.7	04-03-082-23 W5M

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

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	Site Legal
21	Eaglesham	0.5	32.7	1.3	16-21-079-25 W5M
23	Bear Lake	0.4	35.0	2.8	15-31-072-06 W6M
24	Wembley	0.3	33.0	2.1	12-31-070-08 W6M
25	Pinto Creek	0.2	32.3	0.6	04-24-069-11 W6M
26	Flyingshot	0.4	31.2	1.5	15-36-070-07 W6M
27	Grande Prairie I	N/A	31.7	5.1	08-15-071-06 W6M
28	Clairmont Lake	0.4	35.9	1.4	09-06-073-04 W6M
29	Smoky Heights	0.3	40.0	1.3	04-06-075-02 W6M
30	Fitzsimmons	0.3	27.5	1.0	15-36-072-03 W6M
32	Gold Creek	0.3	26.0	1.1	06-33-067-05 W6M
33	Wapiti	0.3	33.5	1.2	02-25-071-03 W6M
34	Puskwaskau	0.2	25.4	0.4	15-35-074-25 W5M
35	Jean Cote	0.3	35.6	3.0	12-35-079-21 W5M
36	Guy	0.2	36.0	2.3	03-04-076-22 W5M
37	Crooked Creek	0.3	33.1	1.3	16-01-071-26 W5M
38	Karr Creek	N/A	N/A	N/A	10-16-065-02 W6M
39	Clouston Creek	0.3	33.8	0.9	12-01-073-22 W5M
40	McLennan	0.5	32.8	2.7	03-29-077-19 W5M
41	Valleyview	0.3	35.8	0.7	09-30-069-22 W5M
42	Sunset House	0.3	35.7	0.4	05-32-070-19 W5M
43	High Prairie	0.2	34.7	1.5	16-13-074-17 W5M
44	Peavine	0.3	31.9	0.1	03-05-079-15 W5M
45	Gift Lake	0.2	28.9	0.6	10-07-079-12 W5M
46	Little Smoky	0.2	31.0	1.4	12-01-065-21 W5M
47	Kinuso	0.2	30.0	0.4	12-10-073-10 W5M
48	Deer Mountain	0.2	29.0	0.7	15-22-068-09 W5M
49	Grande Prairie HP	0.3	39.5	4.6	17-26-071-06 W6M

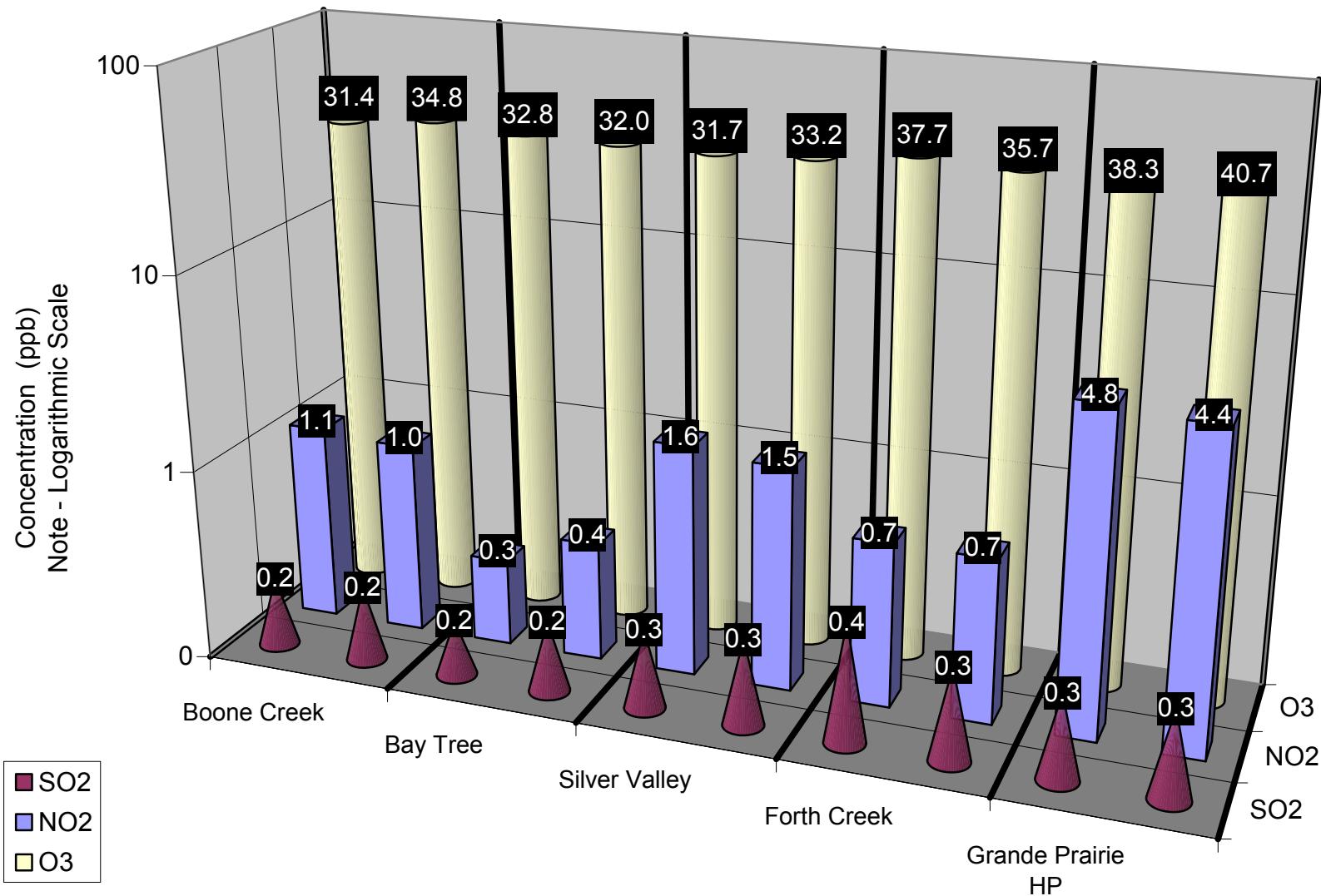


Figure 64. Duplicate Summary Chart

Table 2. Passive Summary Results for June 2007

Stats	Sulphur Dioxide SO ₂	Ozone O ₃	Nitrogen Dioxide NO ₂
	ppb	ppb	ppb
Passive Summary for June 2007 (PASZA Zone)			
Mean	0.3	33.1	1.4
Standard Deviation	0.1	3.4	1.0
Minimum	0.1	25.4	0.1
Minimum At	Sylvester (#14)	Puskwaskau (#34)	Peavine (#44)
Maximum	0.5	40.2	6.0
Maximum At	McLennan (#40)	Beaverlodge (#16)	Grande Prairie I (#27)

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

	SO ₂	O ₃	NO ₂
AENV Beaverlodge station	0.2	30.5	2.3
PASZA Beaverlodge passive	0.3	40.2	1.6

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

	SO ₂	O ₃	NO ₂
PASZA Henry Pirker station	0.1	30.3	7.3
PASZA Grande Prairie passive	0.3	39.5	4.6

PASZA Passive SO₂ Stations - June 2007

Average Concentrations in ppb

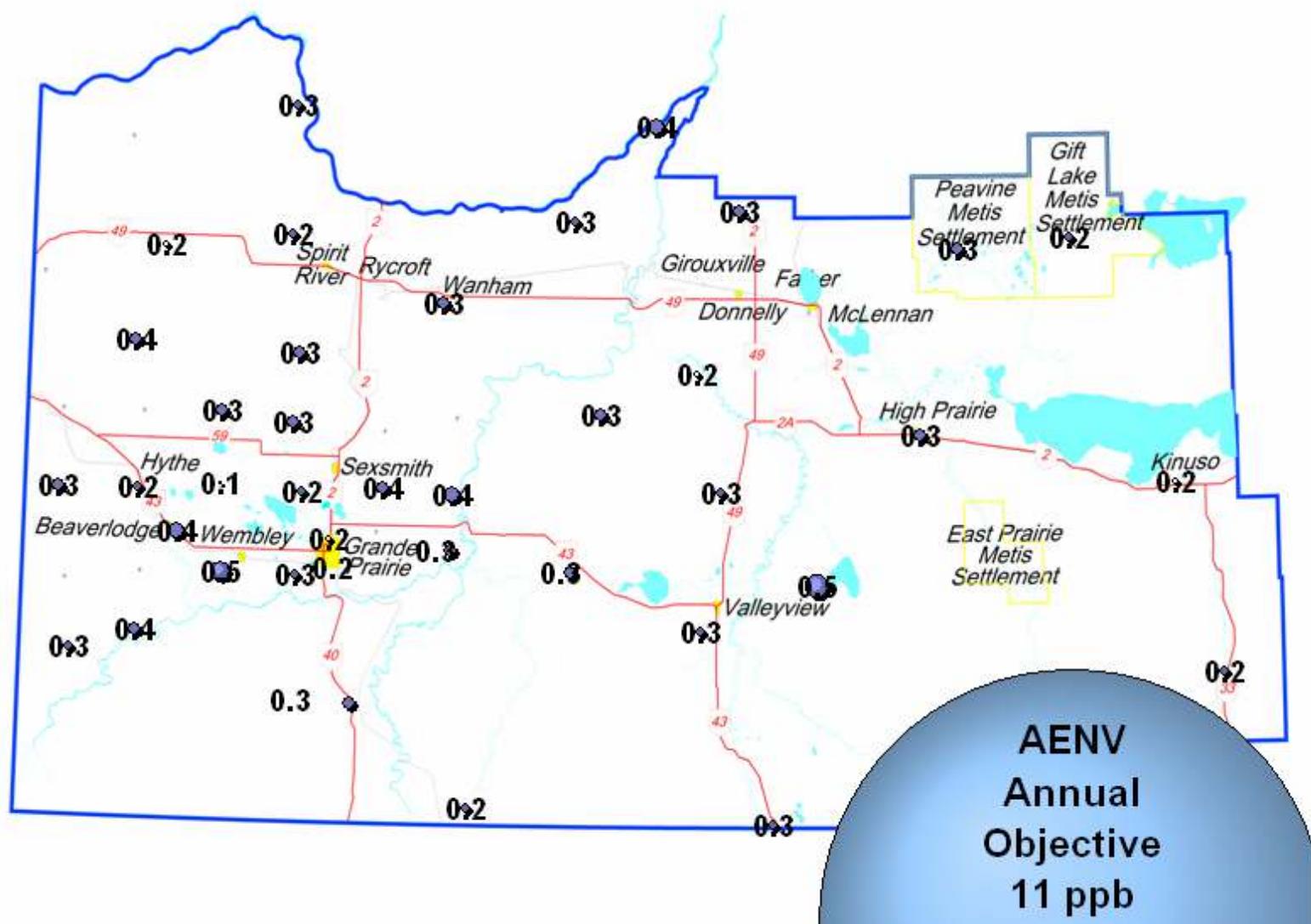


Figure 65. SO₂ Bubble Chart

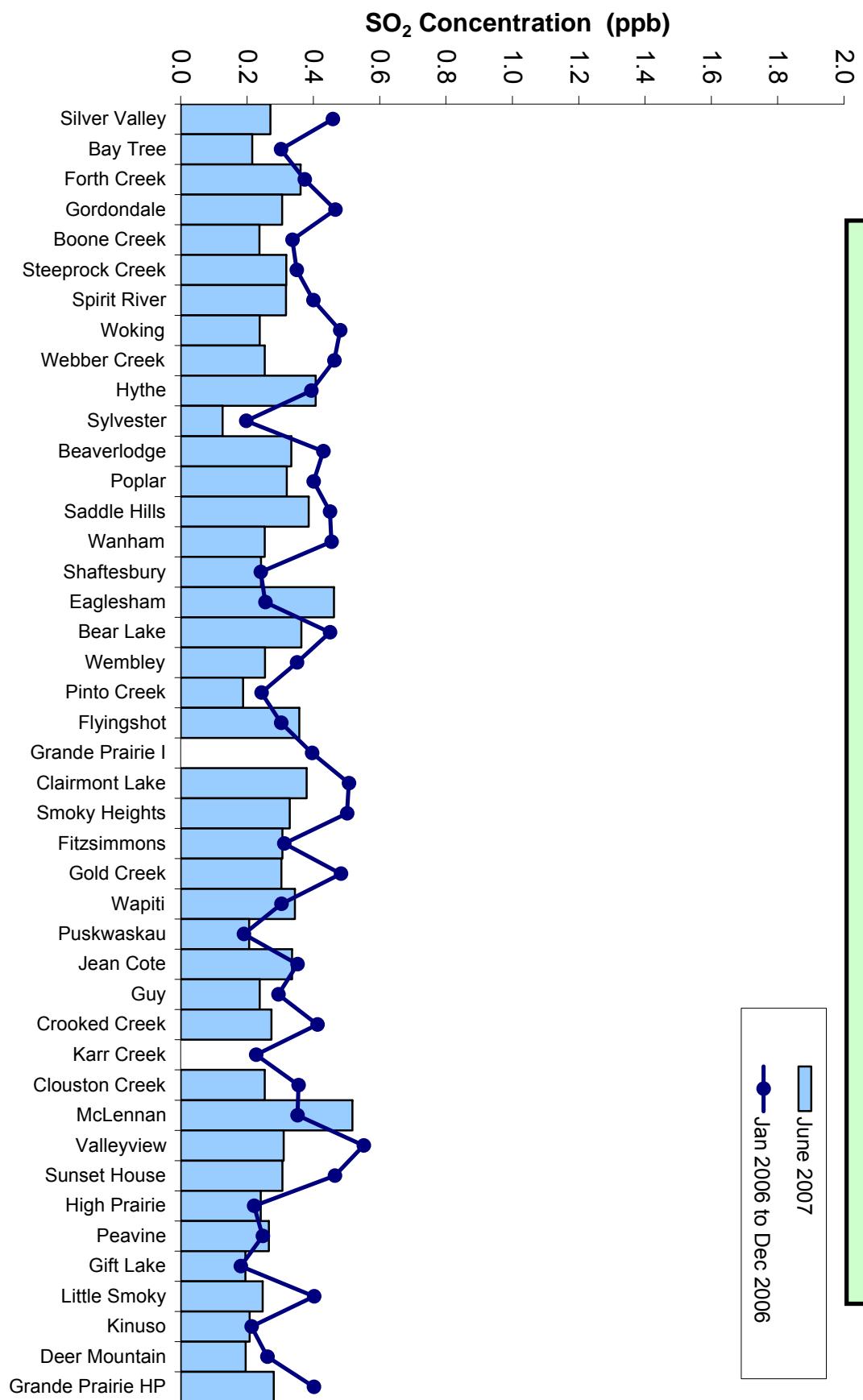


Figure 66. SO₂ Summary Chart

PASZA Passive O₃ Stations - June 2007
Average Concentrations in ppb

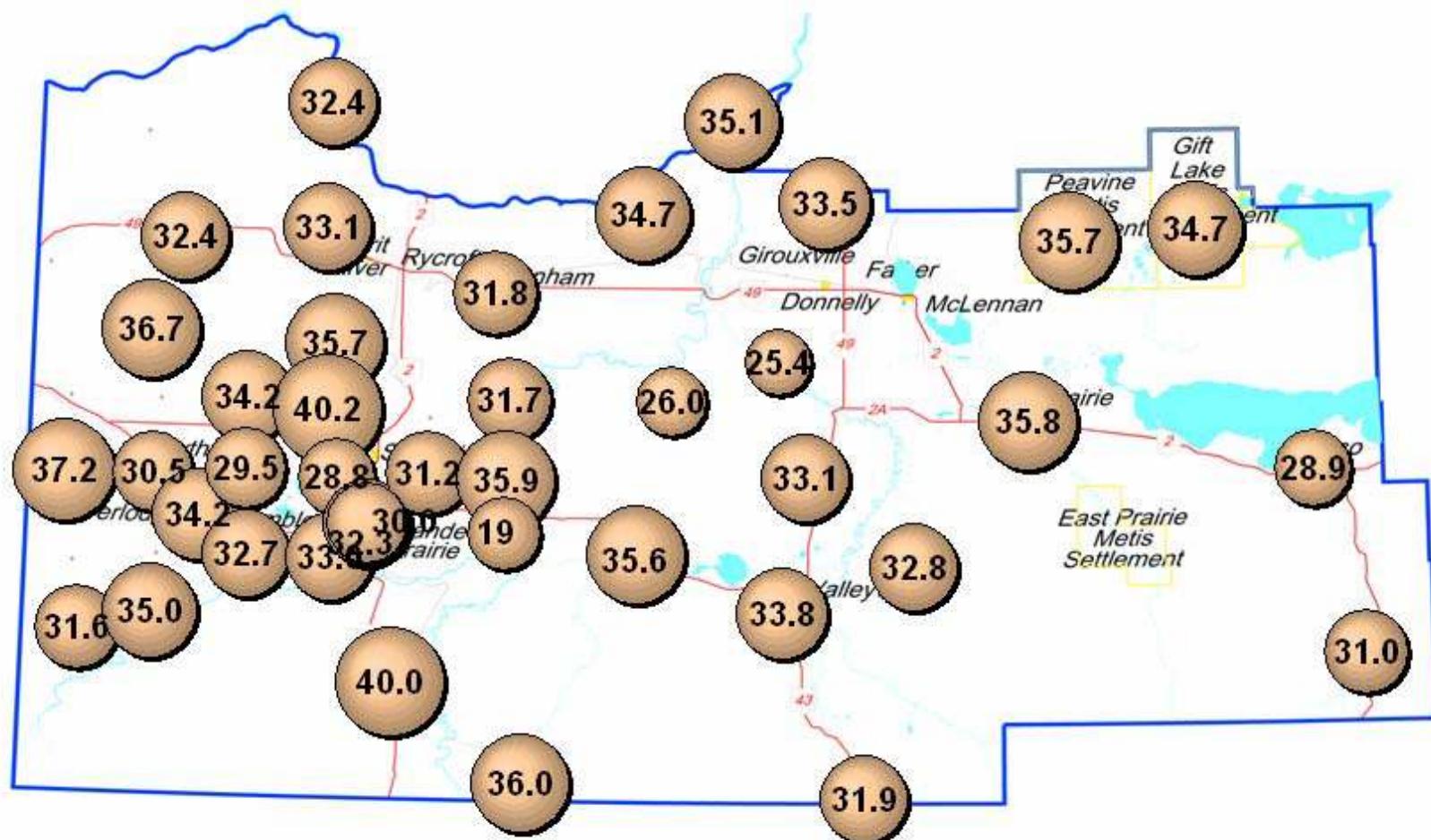


Figure 67. O₃ Bubble Chart

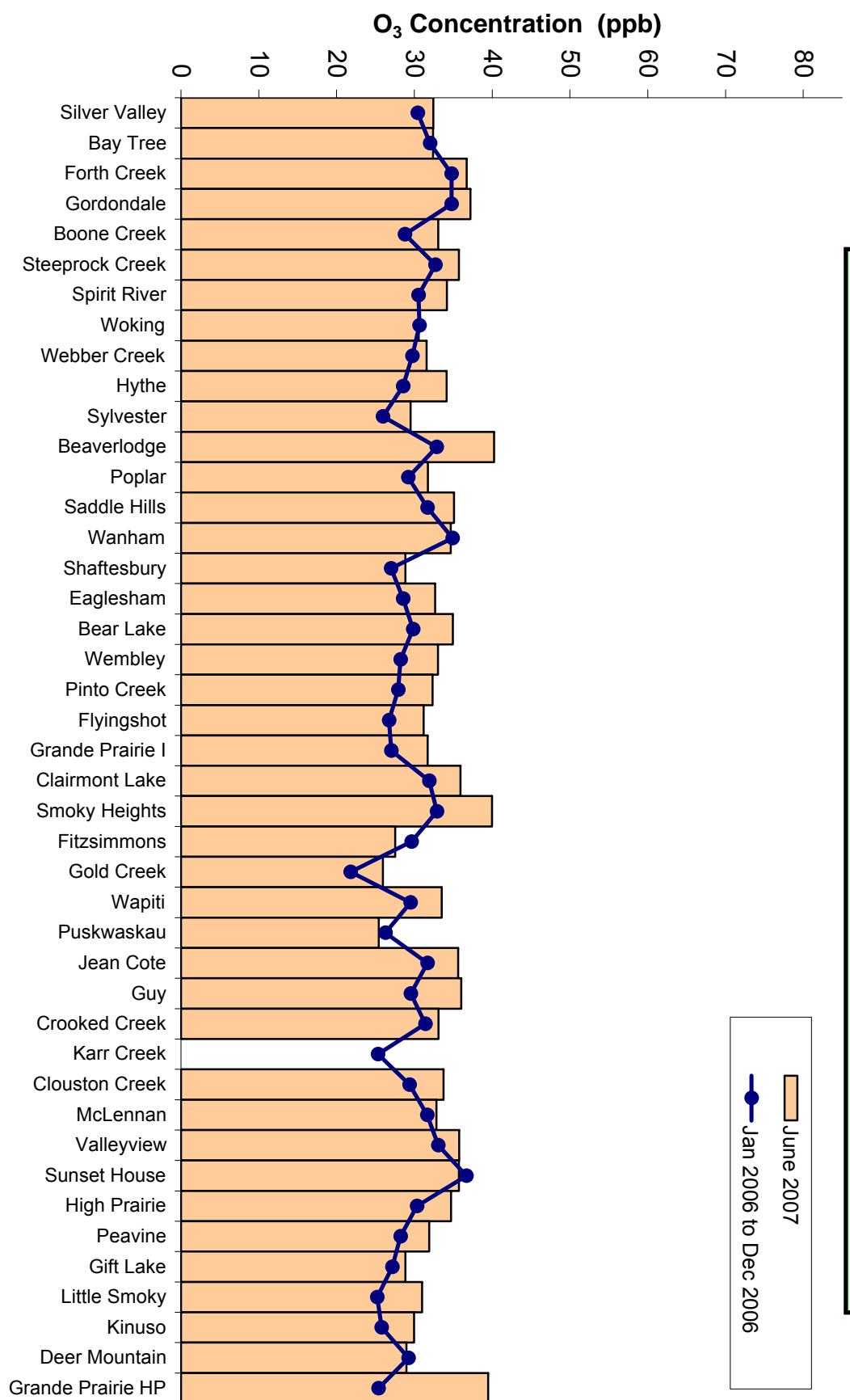
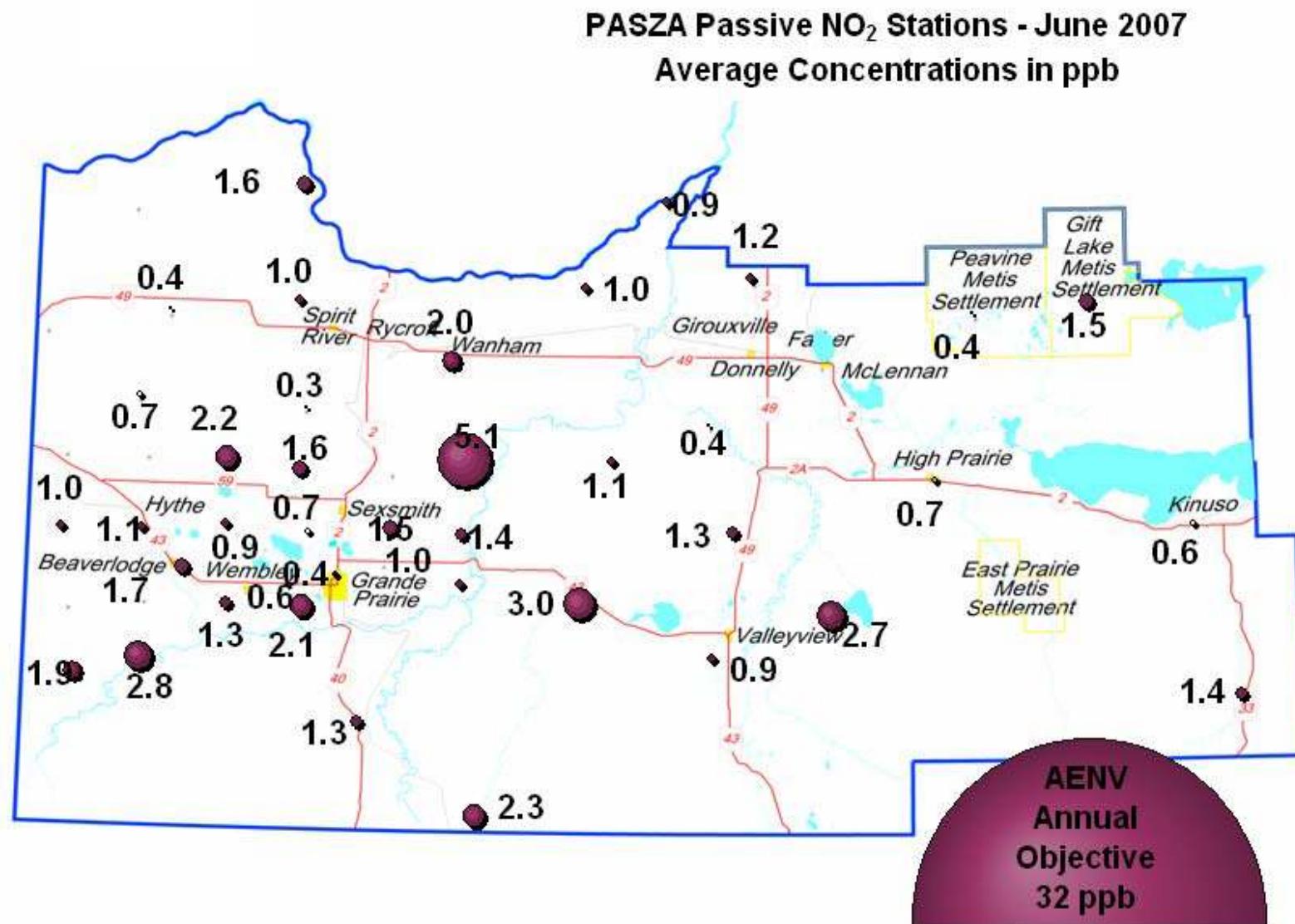


Figure 68. O₃ Summary Chart



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

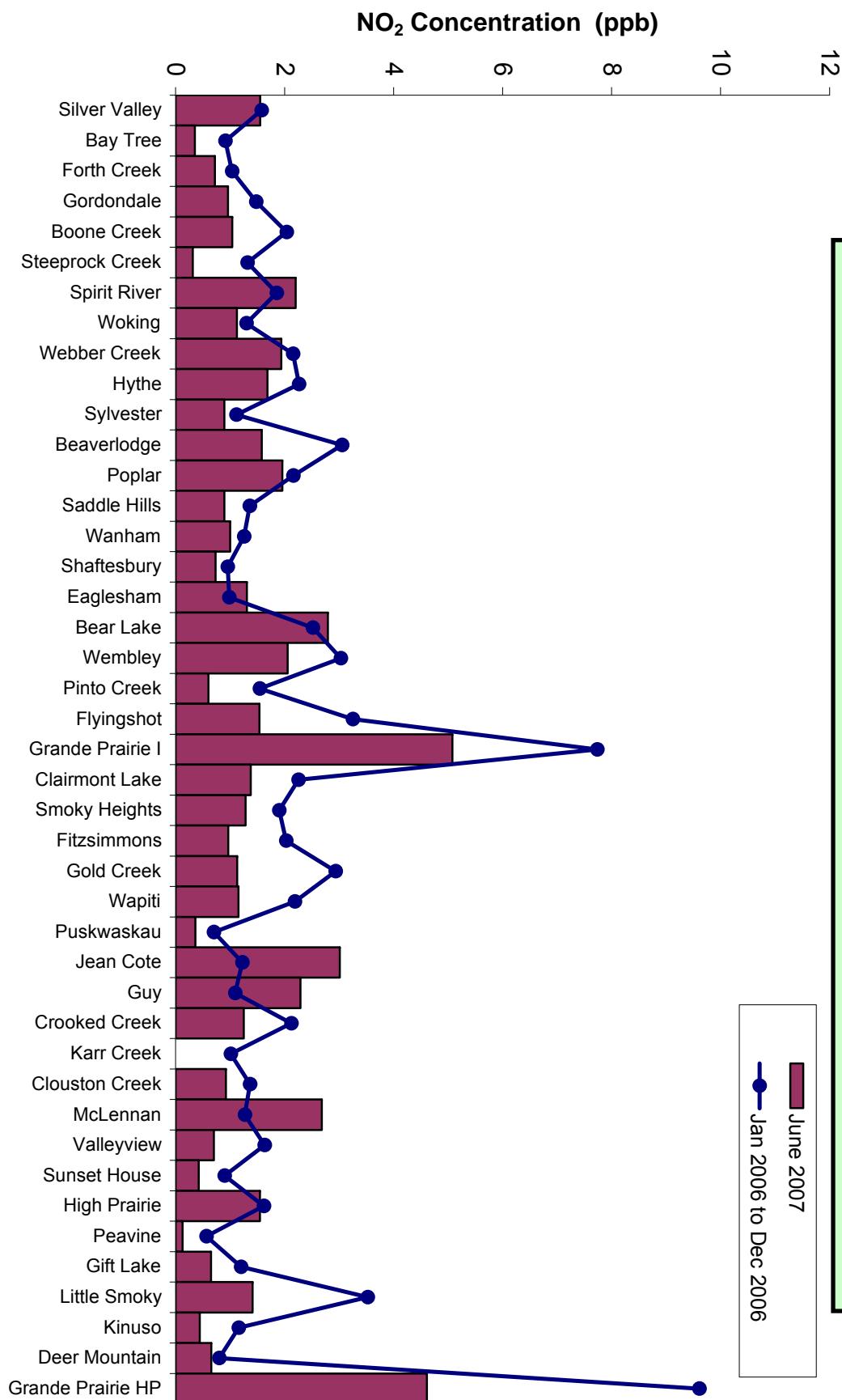


Figure 70. NO₂ Summary Chart

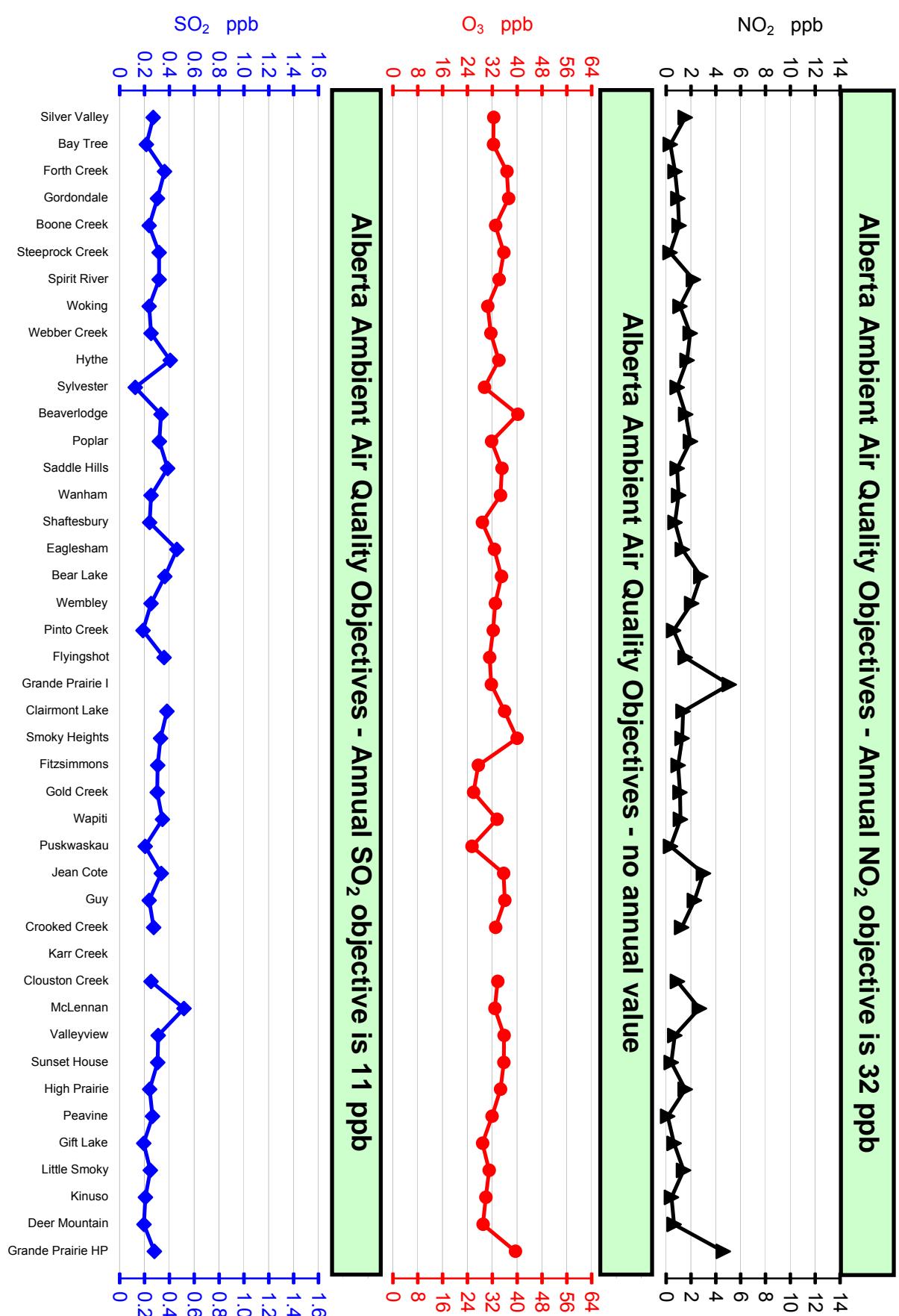


Figure 71. Overview Summary

June 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, NO, NO₂, NO_x, O₃,

PASZA – Valleyview Station with the following calibrations:

SO₂, H₂S

Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 19, 2007	Previous Calibration	May 10, 2007	
Station Number	1	Station Location	Henry Pirker	
Reason:	Routine	Install	Removal	
Start Time (MST)	9:46	End Time (MST)	13:43	
Barometric Pressure	27.7 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	0.940921	Perm-tube Cert #	19-25218	
DACS make	Focus AP1000	DACS serial No.	45266	
DACS voltage range	0 - 10 volt	DACS channel #	4	
	Before		After	
Calculated slope	0.975761	Calculated slope	0.984539	
Calculated intercept	2.629219	Calculated intercept	7.440099	
Analyzer make	TEI Model 43c	Analyzer serial #		
	before		after	
Background coefficient	7.2	ppb	7.4	ppb
Lamp Voltage	.785		.785	
Chamber Temp	822		815	
Pressure	42.9	v	43	v
Sample Flow	645.5	" Hg	642	" Hg
	465	ccm	459	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	2484.0	0.0	-0.2	N/A
2640	2484.0	299.0	300.0	0.9969
4980	4685.8	158.5	149.7	1.0589
8610	8101.3	91.7	78.2	1.1726
zero	2446.4	0.0	0.0	As Found Zero
2600	2446.4	303.6	300.0	As Found Span
Average Correction Factor				1.0761

Calculated value of As Found Response: 295.343 ppm Percent Change of As Found: 2.7%

Auto zero Auto span	before calibration		after calibration	
	-0.5	ppm	7.7	ppm
	269.1	ppm	346.2	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

Air Monitoring Network

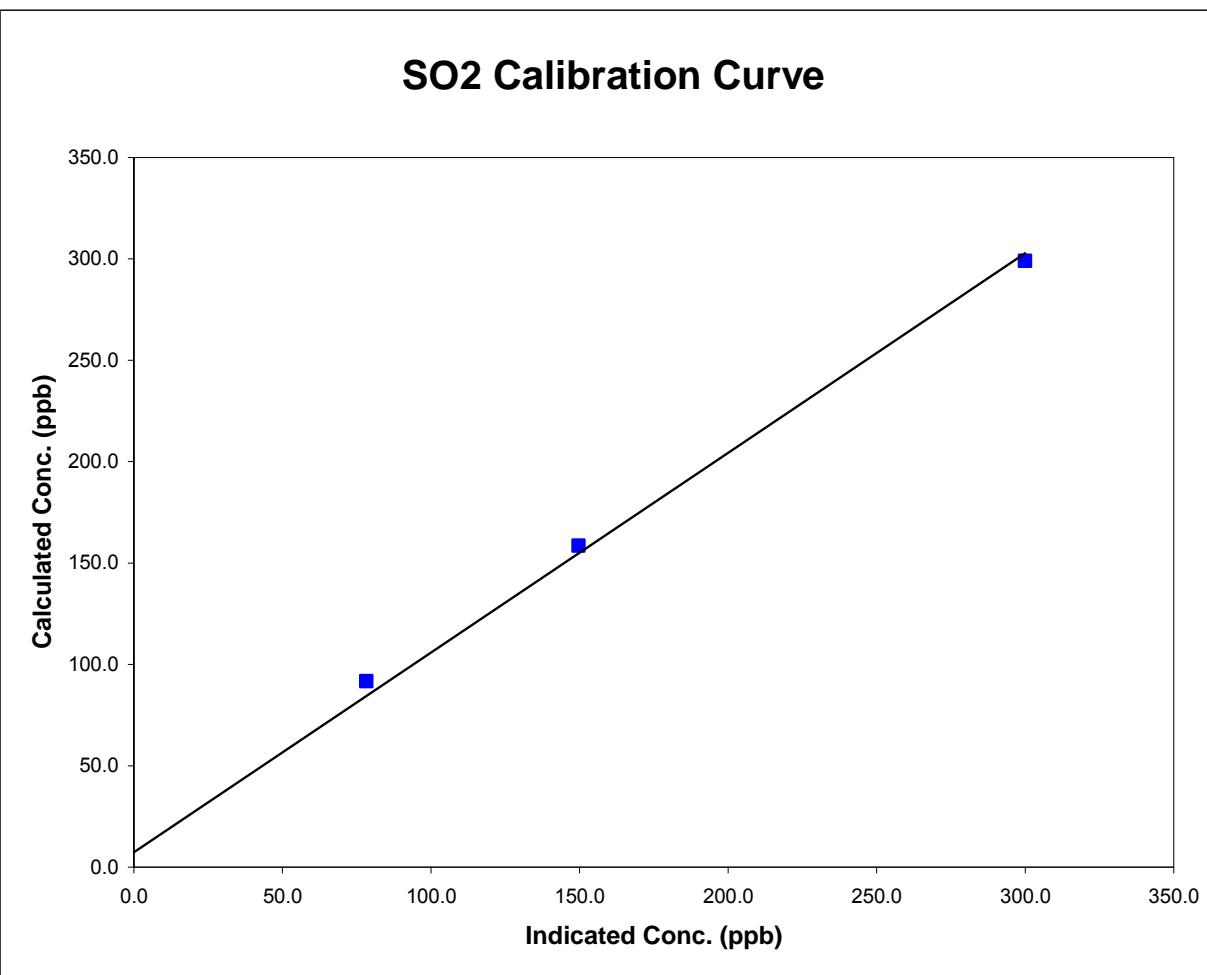
PASZA

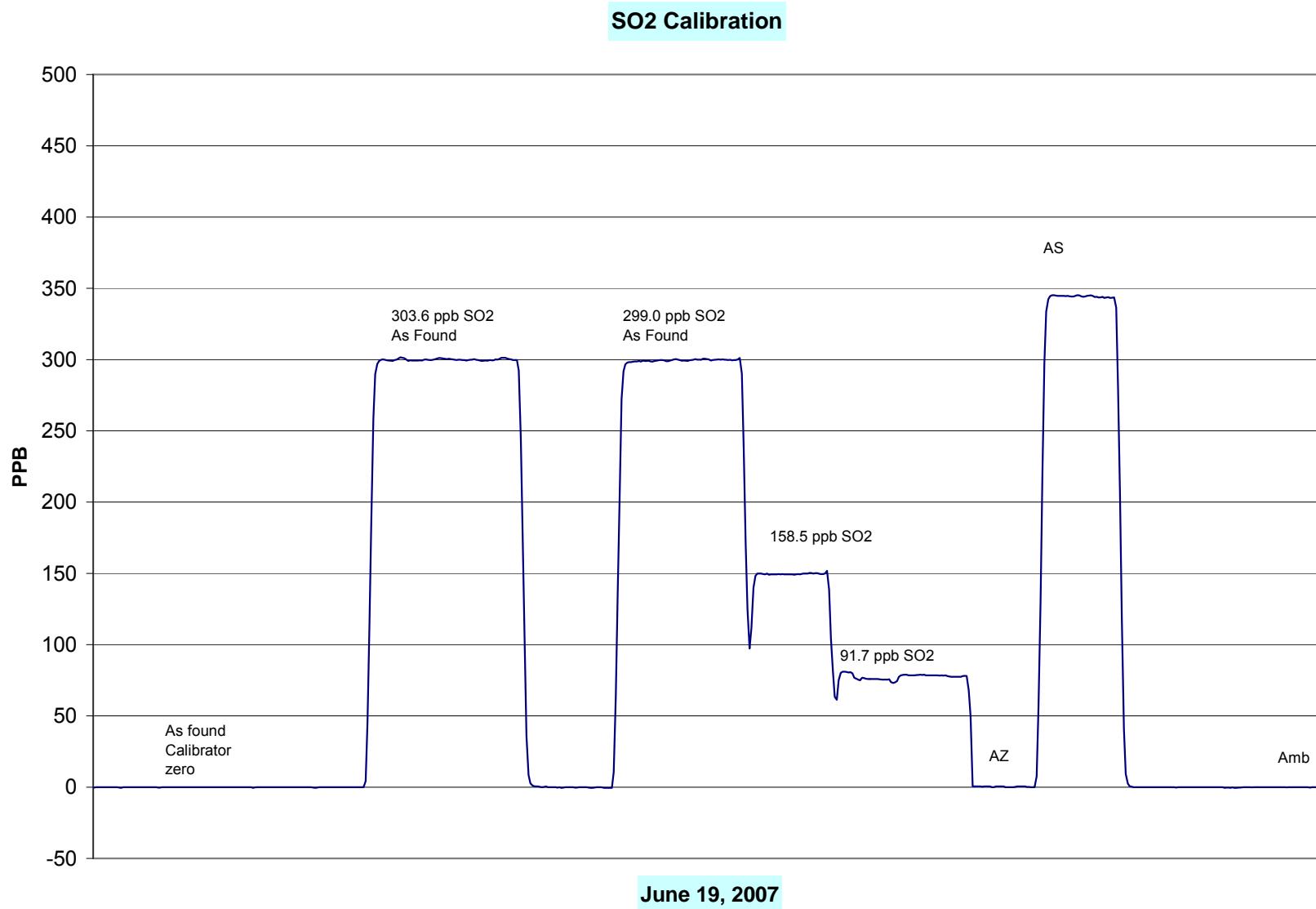


Station Information			
Calibration Date	June 19, 2007	Previous Calibration	May 10, 2007
Station Number	1	Station Location	Henry Pirker
Start Time (MST)	9:46	End Time (MST)	13:43
Analyzer make/model	TEI Model 43c	Analyzer serial #	0

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.2	N/A		
299.0	300.0	0.9969	Correlation Coefficient	0.997215
158.5	149.7	1.0589	Slope	0.984539
91.7	78.2	1.1726		
			Intercept	7.440099





Calibration Report

Parameter

NOx-NO-NO₂

Air Monitoring Network

PASZA



Station Information

Calibration Date	June 11, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker/Muskoseepi Park
Reason:	Routine	Installation	Removal
			Other: Shutdown for pump replacement.
Start Time (MST)	9:15	End Time (MST)	15:33
Barometric Pressure	0.920	Atm	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
NO Cal Gas Conc	49.5 ppm	Cal Gas Expiry Date	2-Jan-09
NOx Cal Gas Conc	49.6 ppm	Cal Gas Serial #	FF-5013

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269
Parameter	NO2	NOx	NO
Before	Data Slope	NA	1.006765
	Data Offset	NA	-1.830984
After	Data Slope	1.012033	1.012132
	Data Offset	-0.117962	-2.595332
Channel #	8	6	7
Voltage Range	0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42C Analyzer serial # 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	9.2	ppb	9.2	mV
NOx background	9.4	ppb	9.4	mV
NO coefficient	0.845		0.845	
NOx coefficient	0.995		0.995	
Chamber Temp	49.7	Deg C	49.7	Deg C
Cooler Temp	-2.4	Deg C	-2.4	Deg C
Converter Temp	319.0	Deg C	319.0	Deg C
Vacuum	163.2	mm Hg	163.2	mm Hg

Notes: Startup after pump replacement.

Calibration Report

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



Station Information

Calibration Date: June 11, 2007 Station Location: Henry Pirker/Muskoseepi Park

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	
zero	4992	0.00	0.0	0.0	0.0	0.1	0.0	0.1	N/A	N/A	
	4992	39.93	393.6	392.8	0.8	389.9	389.9	0.0	1.0095	1.0074	
	4992	19.91	197.0	196.7	0.4	199.2	199.0	0.2	0.9891	0.9880	
	4992	10.00	99.2	99.0	0.2	102.6	102.1	0.4	0.9666	0.9689	
AFZ	4992	0.00	0.0	0.0	0.0	0.1	0.0	0.1	0.0000	0.0000	
	4992	39.93	393.6	392.8	0.8	389.9	389.9	0.0	1.0095	1.0074	
								Average Correction Factor	0.9884	0.9881	

As Found Concentrations: NO_x= 388.0 NO= 388.3 As Found Percent Change NO_x= -1.4% NO= -1.1%

GPT Calibration Data

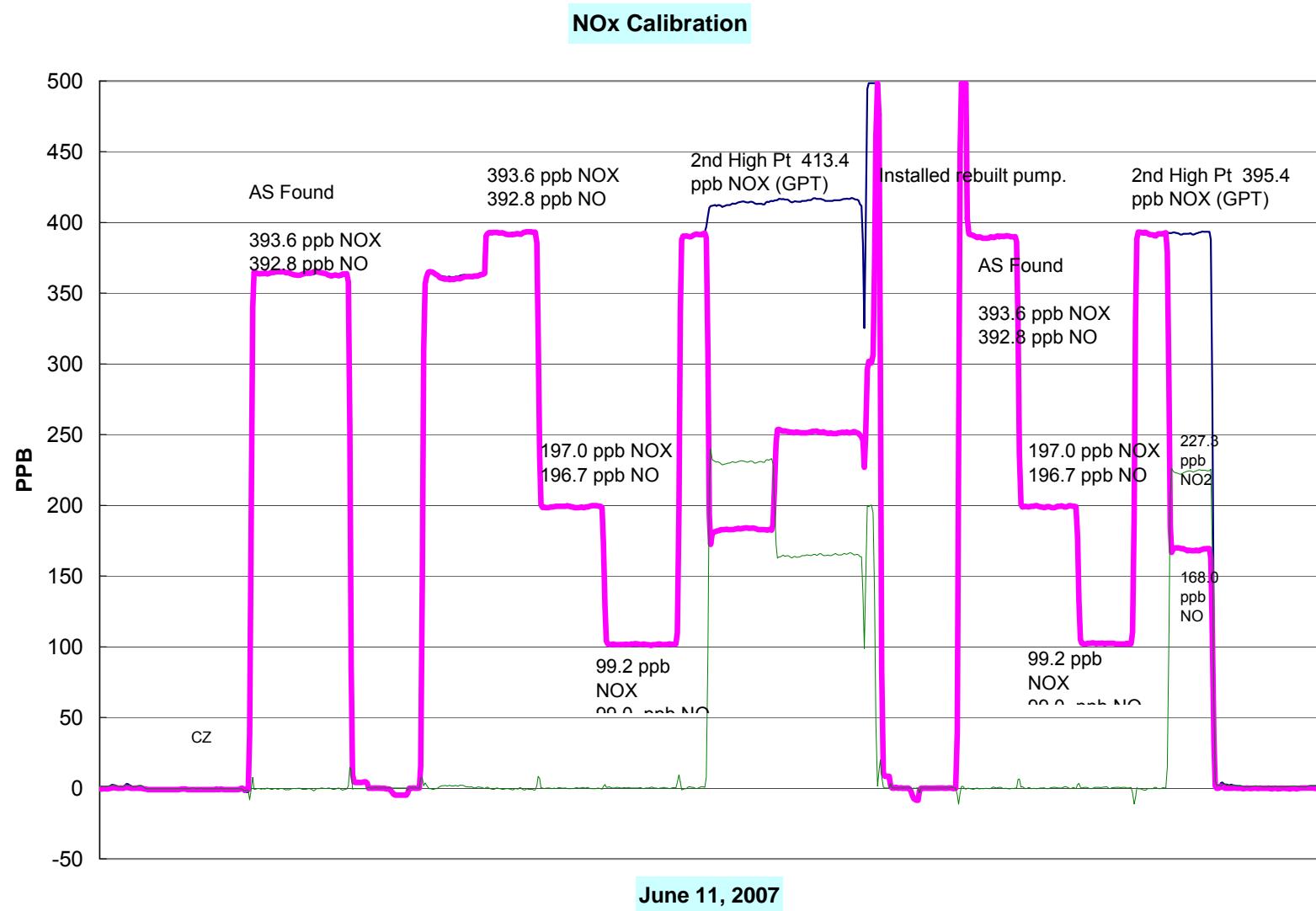
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

O3 Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	NO2 Correction factor	Converter Efficiency
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
NO point	395.4	393.1	2.3	391.6	391.7	0.0	1.0095	1.0036	N/A	N/A
300	395.4	168.0	227.3	393.2	168.7	224.7	1.0055	0.9958	1.0115	98.9%
200										
100										
						Average Correction Factor	1.0055	0.9958	1.0115	98.9%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO	ppb	NOx	NO2	NO	ppb
Auto zero	1.2	1.7	0.8	ppb	NA	NA	NA	ppb
Auto span	414.5	414.5	2.2	ppb	NA	NA	NA	ppb

Calibration Performed By: Dawn Ewan



Calibration Summary

Parameter

NO₂

Air Monitoring Network

PASZA

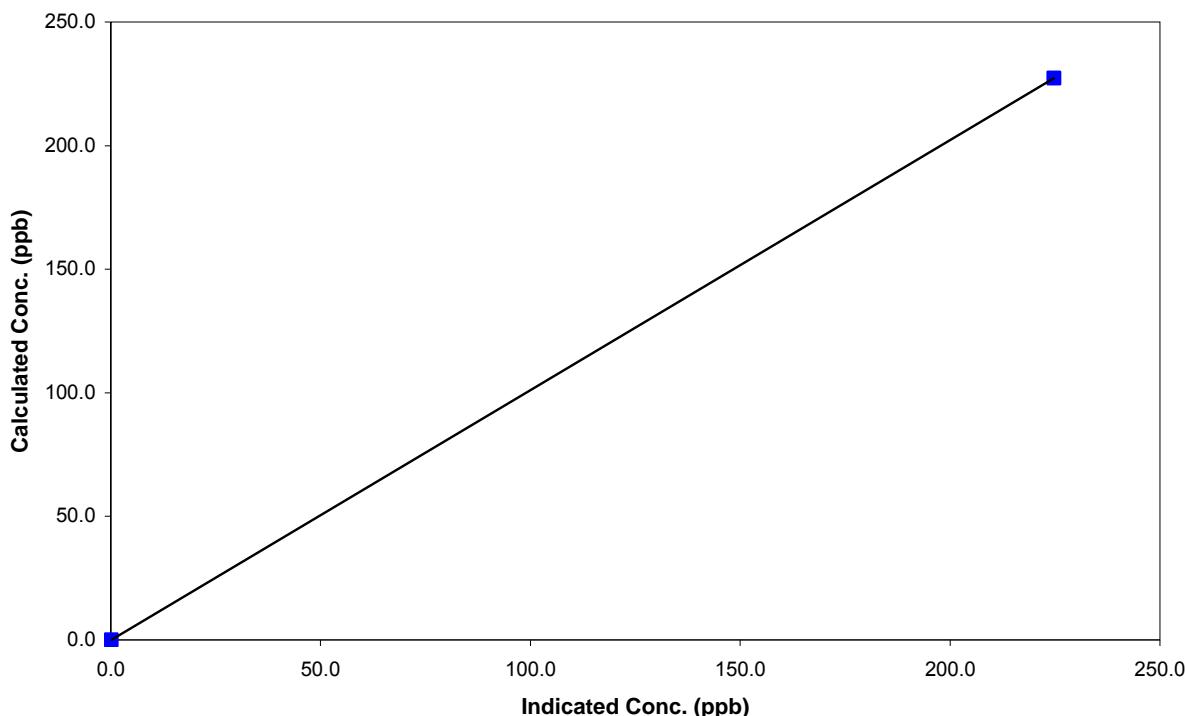
Station Information

Calibration Date	June 11, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker/Muskoseepi Park
Start Time (MST)	9:15	End Time (MST)	15:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000		
227.3	224.7	1.0115	Correlation Coefficient	1.000000
			Slope	1.012033
			Intercept	-0.117962

NO₂ Calibration Curve



Calibration Summary

Parameter

NO_x

Air Monitoring Network

PASZA

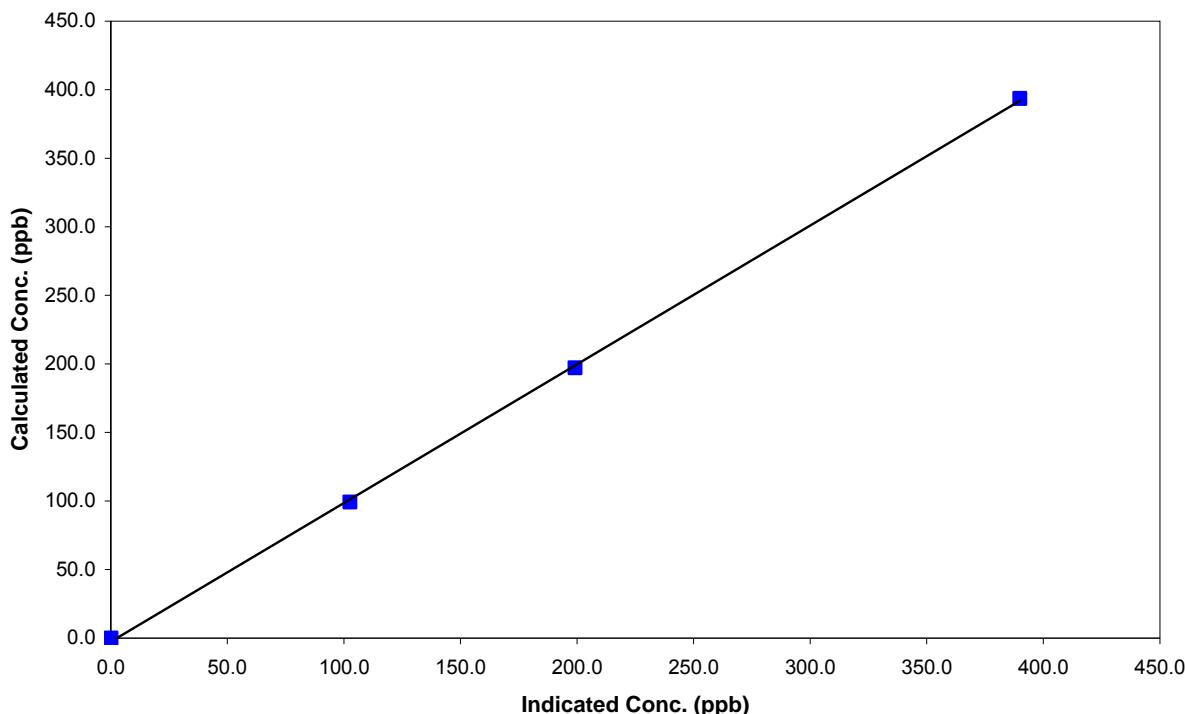
Station Information

Calibration Date	June 11, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker/Muskoseepi Park
Start Time (MST)	9:15	End Time (MST)	15:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.1	0.0000	Correlation Coefficient	0.999799
393.6	389.9	1.0095		
197.0	199.2	0.9891		
99.2	102.6	0.9666		
			Slope	1.012132
			Intercept	-2.595332

NO_x Calibration Curve



Calibration Summary

Parameter

NO

Air Monitoring Network

PASZA

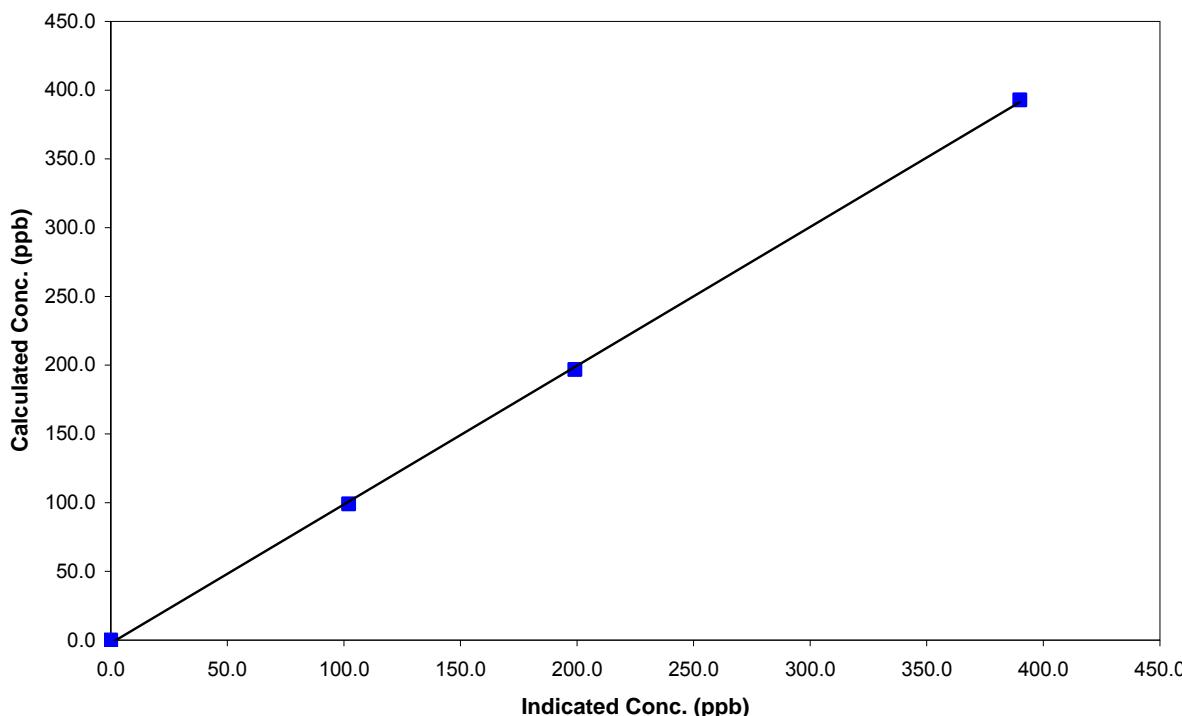
Station Information

Calibration Date	June 11, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker/Muskoseepi Park
Start Time (MST)	9:15	End Time (MST)	15:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
392.8	389.9	1.0074	Correlation Coefficient	0.999823
196.7	199.0	0.9880	Slope	1.009524
99.0	102.1	0.9689	Intercept	-2.308979

NO Calibration Curve



Calibration Report

Parameter

NOx-NO-NO₂

Air Monitoring Network

PASZA



Station Information

Calibration Date	June 12, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Installation	Removal
			Other: _____
Start Time (MST)	9:00	End Time (MST)	12:33
Barometric Pressure	0.920	Atm	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
NO Cal Gas Conc	49.5	ppm	Cal Gas Expiry Date 2-Jan-09
NOx Cal Gas Conc	49.6	ppm	Cal Gas Serial # FF-5013

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269
Parameter	NO2	NOx	NO
Before	Data Slope - Data Offset	1.012365 -0.118000	1.012132 -2.595332
After	Data Slope - Data Offset	1.030667 -2.548741	1.009239 -3.053568
Channel #	8	6	7
Voltage Range	0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42C Analyzer serial # 508011073

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	9.2	ppb	9.2	mV
NOx background	9.4	ppb	9.4	mV
NO coefficient	0.845		0.845	
NOx coefficient	0.995		0.995	
Chamber Temp	49.7	Deg C	49.7	Deg C
Cooler Temp	-2.4	Deg C	-2.4	Deg C
Converter Temp	319.0	Deg C	319.0	Deg C
Vacuum	163.2	mm Hg	163.2	mm Hg

Notes: Full Calibration following repairs.

Calibration Report

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



Station Information

Calibration Date: June 12, 2007 Station Location: Henry Pirker / Muskoseepi Park

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor
zero	4992	0.00	0.0	0.0	0.0	1.0	0.0	0.8	N/A	N/A
	4992	39.93	393.6	392.8	0.8	391.8	392.5	-0.7	1.0045	1.0009
	4992	19.91	197.0	196.7	0.4	199.6	199.1	0.5	0.9873	0.9877
	4992	10.00	99.2	99.0	0.2	103.2	102.3	0.8	0.9608	0.9671
AFZ	4992	0.00	0.0	0.0	0.0	1.0	0.0	0.8	0.0000	0.0000
	4992	39.93	393.6	392.8	0.8	372.2	371.5	0.7	1.0574	1.0573
							Average Correction Factor	0.9842	0.9852	

As Found Concentrations: NO_x= 368.7 NO= 369.2 As Found Percent Change NO_x= -6.3% NO= -6.0%

GPT Calibration Data

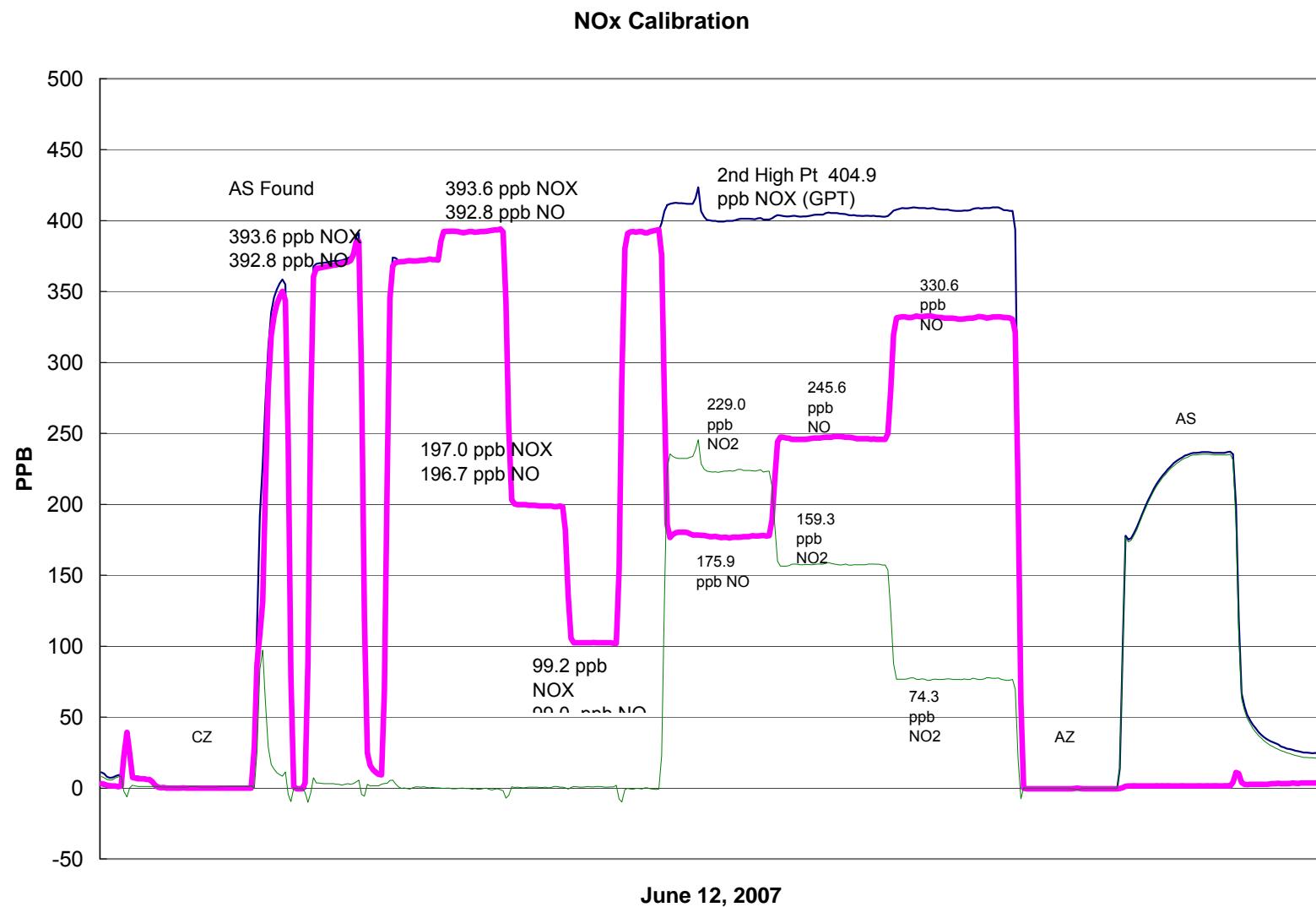
Dilution Flow 4993 ccm Source Gas Flow 39.97 ccm

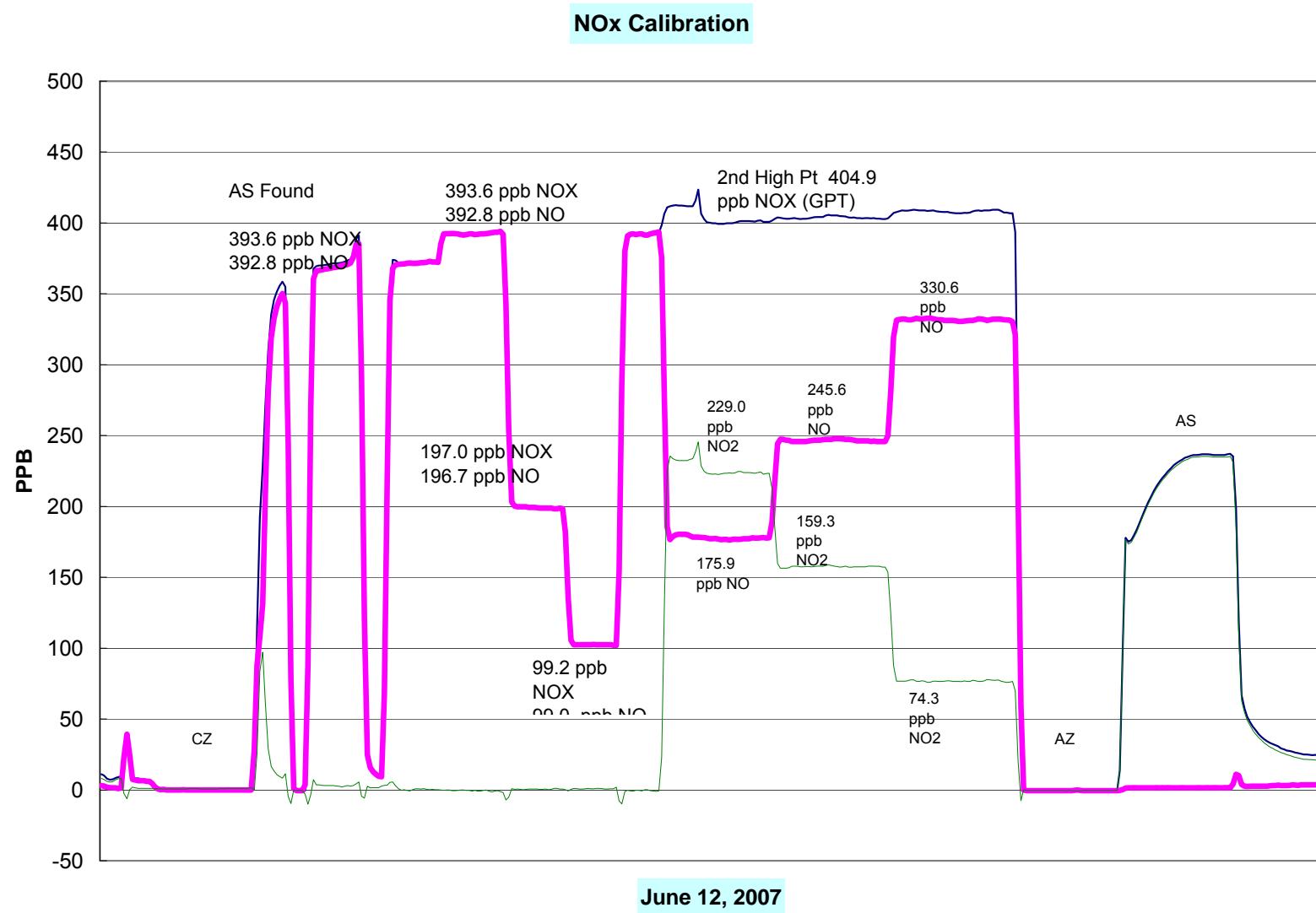
O ₃ Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor	NO2 Correction factor	Converter Efficiency
0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
NO point	404.9	391.5	13.4	391.8	392.2	-0.5	1.0334	0.9982	N/A	N/A
300	404.9	175.9	229.0	400.6	177.2	223.5	1.0108	0.9924	1.0247	97.6%
200	404.9	245.6	159.3	404.0	246.7	157.6	1.0021	0.9954	1.0107	98.9%
100	404.9	330.6	74.3	408.0	331.5	76.8	0.9924	0.9973	0.9677	103.3%
							Average Correction Factor	1.0017	0.9950	1.0010
										100.0%

AIC Data

Parameter	Previous calibration				Current calibration				
	NOx	NO2	NO	ppb	NOx	NO2	NO	ppb	
Auto zero	1.2	1.7	0.8	ppb	3.4	1.1	2.2	ppb	
Auto span	414.5	414.5	2.2	ppb	235.7	239.7	-0.4	ppb	

Calibration Performed By: Dawn Ewan





Calibration Summary

Parameter

NO₂

Air Monitoring Network

PASZA

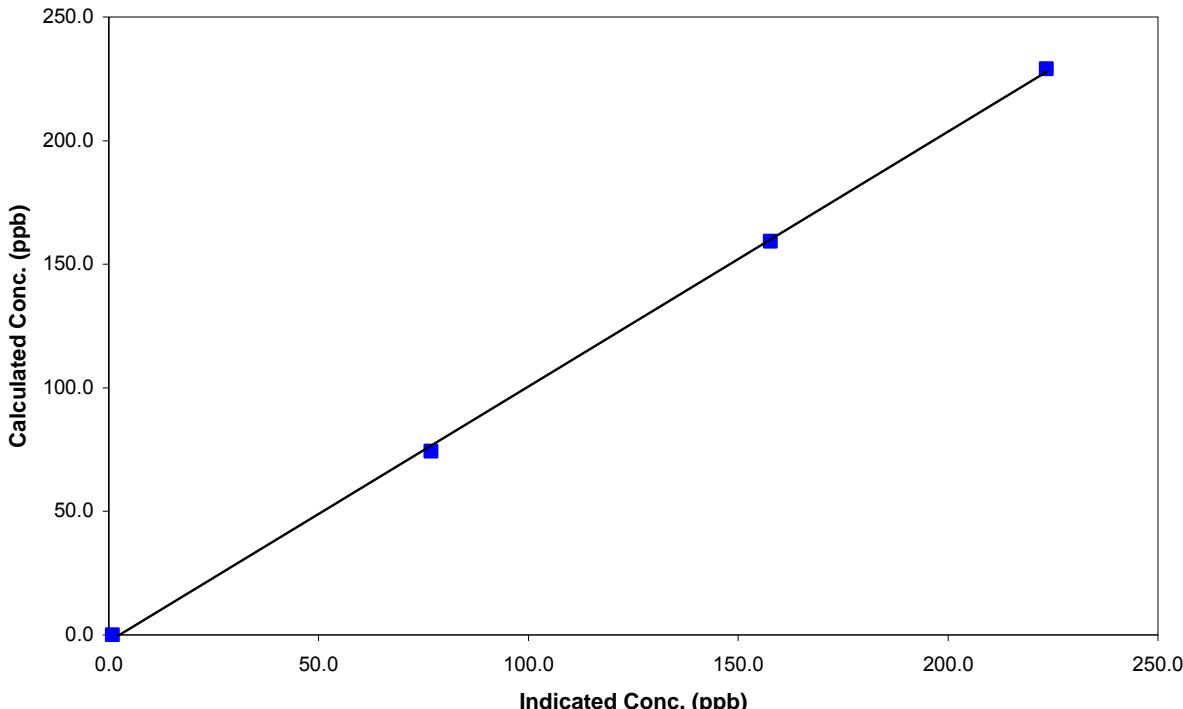
Station Information

Calibration Date	June 12, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.8	0.0000	Correlation Coefficient	0.999668
229.0	223.5	1.0247		
159.3	157.6	1.0107		
74.3	76.8	0.9677		
			Slope	1.030667
			Intercept	-2.548741

NO₂ Calibration Curve



Calibration Summary

Parameter

NO_x

Air Monitoring Network

PASZA

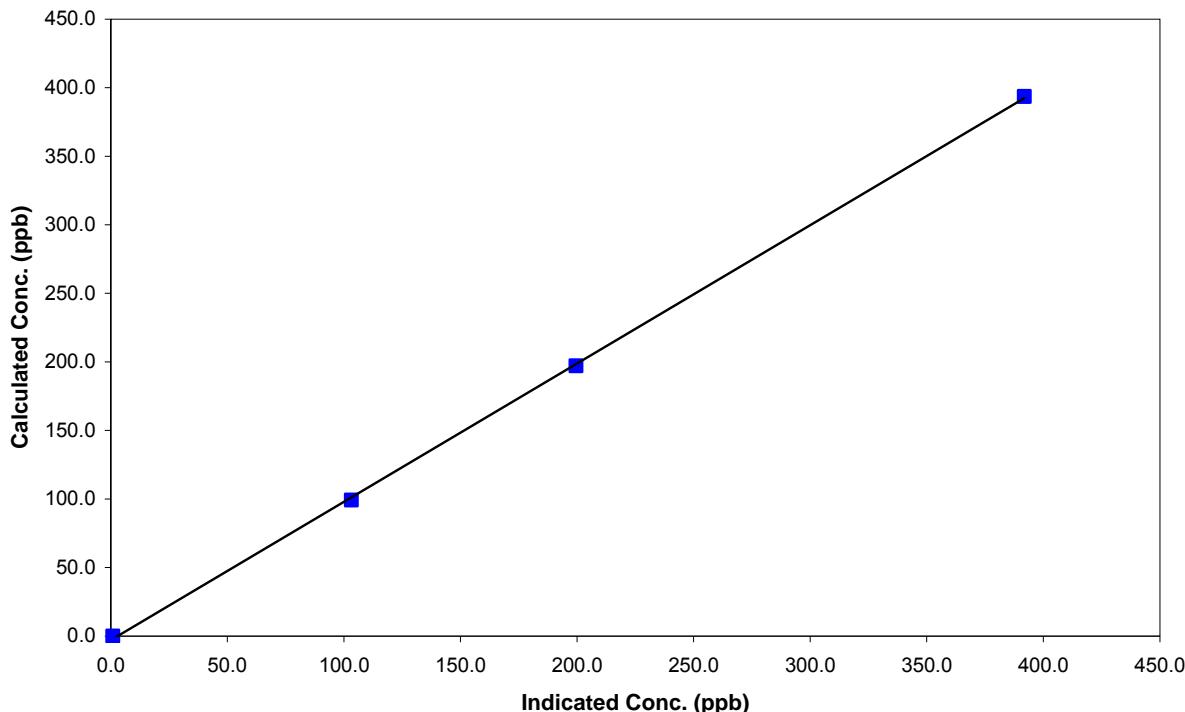
Station Information

Calibration Date	June 12, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	1.0	0.0000	Correlation Coefficient	0.999867
393.6	391.8	1.0045		
197.0	199.6	0.9873		
99.2	103.2	0.9608		
			Slope	1.009239
			Intercept	-3.053568

NOx Calibration Curve



Calibration Summary

Parameter

NO

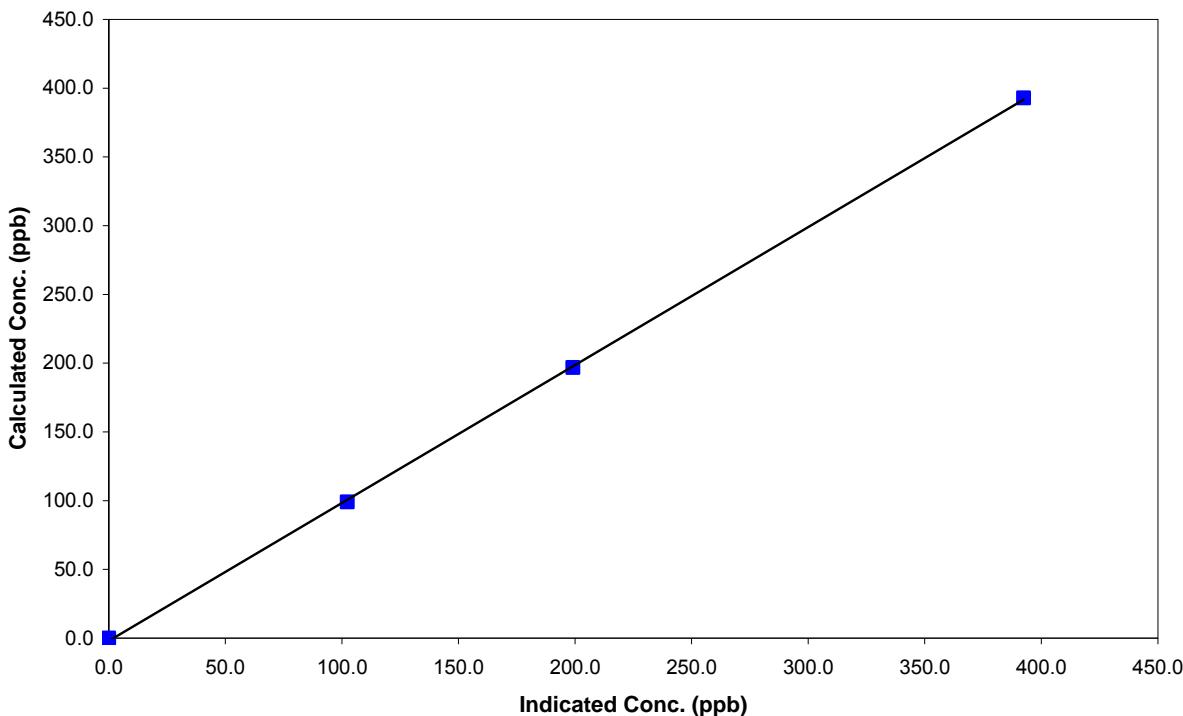
Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 12, 2007	Previous Calibration	June 11, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	9:00	End Time (MST)	12:33
Analyzer make	Teco 42C	Analyzer serial #	508011073

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
392.8	392.5	1.0009	Correlation Coefficient	0.999891
196.7	199.1	0.9877	Slope	1.002992
99.0	102.3	0.9671	Intercept	-1.883987

NO Calibration Curve

Calibration Report

Parameter O3
 Air Monitoring Network PASZA

**Station Information**

Calibration Date	June 12, 2007	Previous Calibration	May 14, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Install	Removal
Start Time (MST)	11:48	End Time (MST)	14:24
Barometric Pressure	0.920 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	1.114360	Calculated slope	1.005890
Calculated intercept	1.259732	Calculated intercept	2.131849
Analyzer make	TECO 49C	Analyzer serial #	607415761
Concentration range offset slope Cell A Cell B Pressure Sample Flow ANA Lamp temp	before		after
	500	ppb	ppb
	-0.6	ppb	ppb
	0.91		
	95800	mV	mV
	73100	mV	mV
	676.1	inches Hg	inches Hg
	650/664	ccm	ccm
	71	Deg C	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	0.4	N/A
4992	0.00	229.0	229.1	0.9997
4992	0.00	159.3	151.5	1.0515
4992	0.00	74.3	70.5	1.0542
4992	0.00	0.0	0.4	As found zero
4992	0.00	229.0	245.5	As found span
Average Correction Factor				1.0351

Calculated value of As Found Response: 274.4 ppm Percent Change of As Found: 19.8%

Auto zero Auto span	before calibration		after calibration	
	1.5	ppb	0.0	ppb
	254.0	ppb	240.4	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

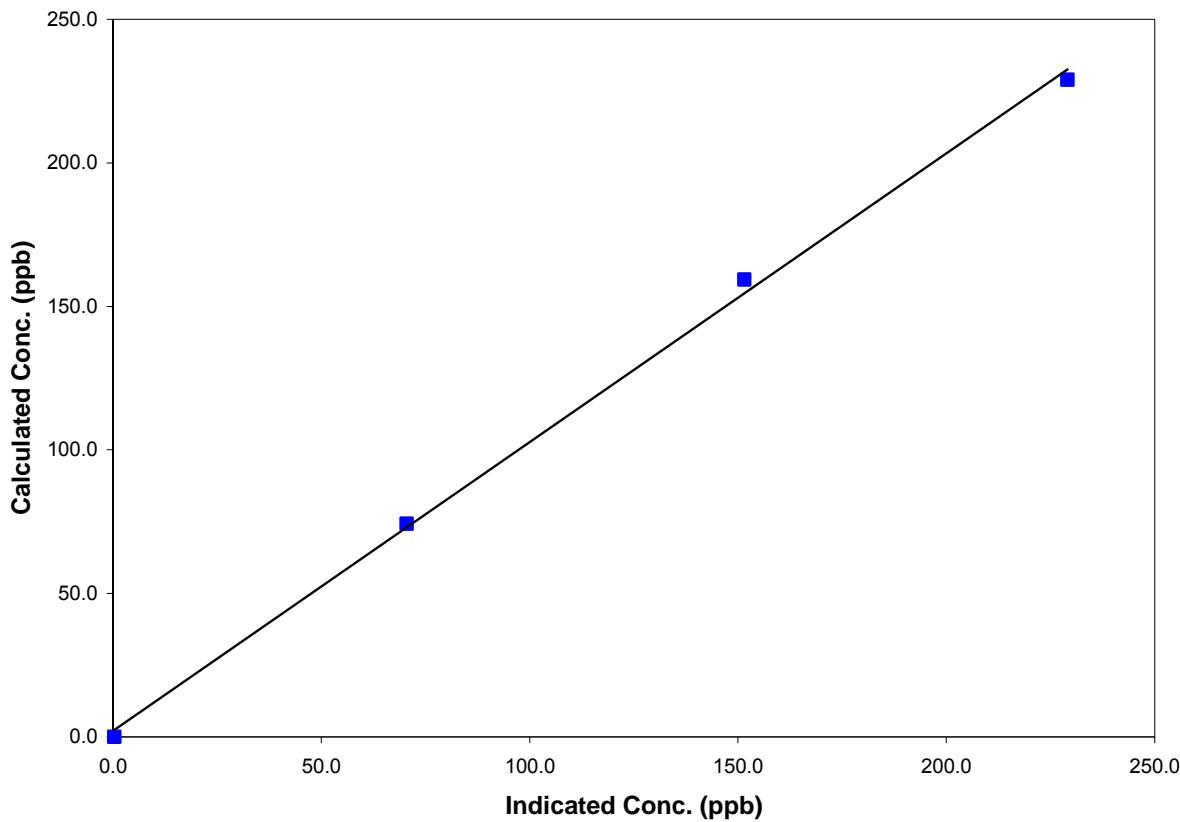
Parameter **O3**
 Air Monitoring Network **PASZA**

**Station Information**

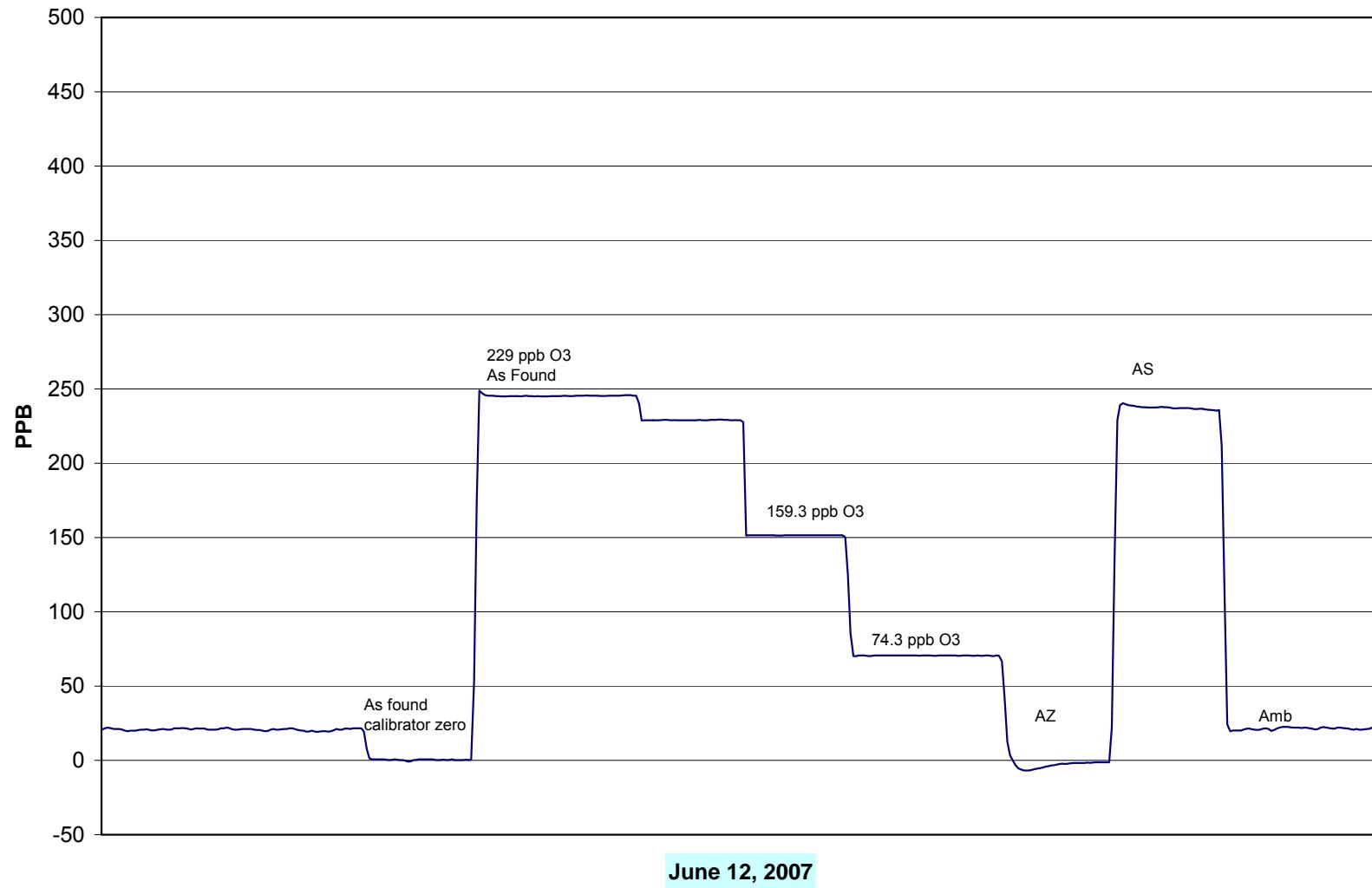
Calibration Date	June 12, 2007	Previous Calibration	May 14, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	11:48	End Time (MST)	14:24
Analyzer make/model	TECO 49C	Analyzer serial #	607415761

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.4	NA		
229.0	229.1	0.9997	Correlation Coefficient	0.998548
159.3	151.5	1.0515	Slope	1.005890
74.3	70.5	1.0542	Intercept	2.131849

O3 Calibration Curve

O3 Calibration



Calibration Report

Parameter O3
 Air Monitoring Network PASZA

**Station Information**

Calibration Date	June 19, 2007	Previous Calibration	June 12, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Install	Removal Other:
Start Time (MST)	10:18	End Time (MST)	13:03
Barometric Pressure	0.920 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	1.005890	Calculated slope	0.997347
Calculated intercept	2.131849	Calculated intercept	5.126403
Analyzer make	TECO 49C	Analyzer serial #	607415761
Concentration range offset slope O3 Lamp temp Intensities Pressure Flow A Flow B	before	after	
	500	ppb	500 ppb
	-0.6	ppb	-0.6 ppb
	0.91		0.993
	95800	mV	71 mV
	73100	mV	94900/72800 mV
	676.1	inches Hg	961.2 inches Hg
	650/664	ccm	664 ccm
	71	Deg C	674 Deg C

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	0.5	N/A
4992	0.00	322.1	322.2	0.9999
4992	0.00	193.2	183.0	1.0557
4992	0.00	95.2	86.0	1.1077
4992	0.00	0.0	0.5	As found zero
4992	0.00	322.1	274.4	As found span
Average Correction Factor				1.0544

Calculated value of As Found Response: 277.6 ppm Percent Change of As Found: -13.8%

Auto zero Auto span	before calibration		after calibration	
	0.0	ppb	2.7	ppb
	240.4	ppb	280.8	ppb

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

03

Air Monitoring Network

PASZA

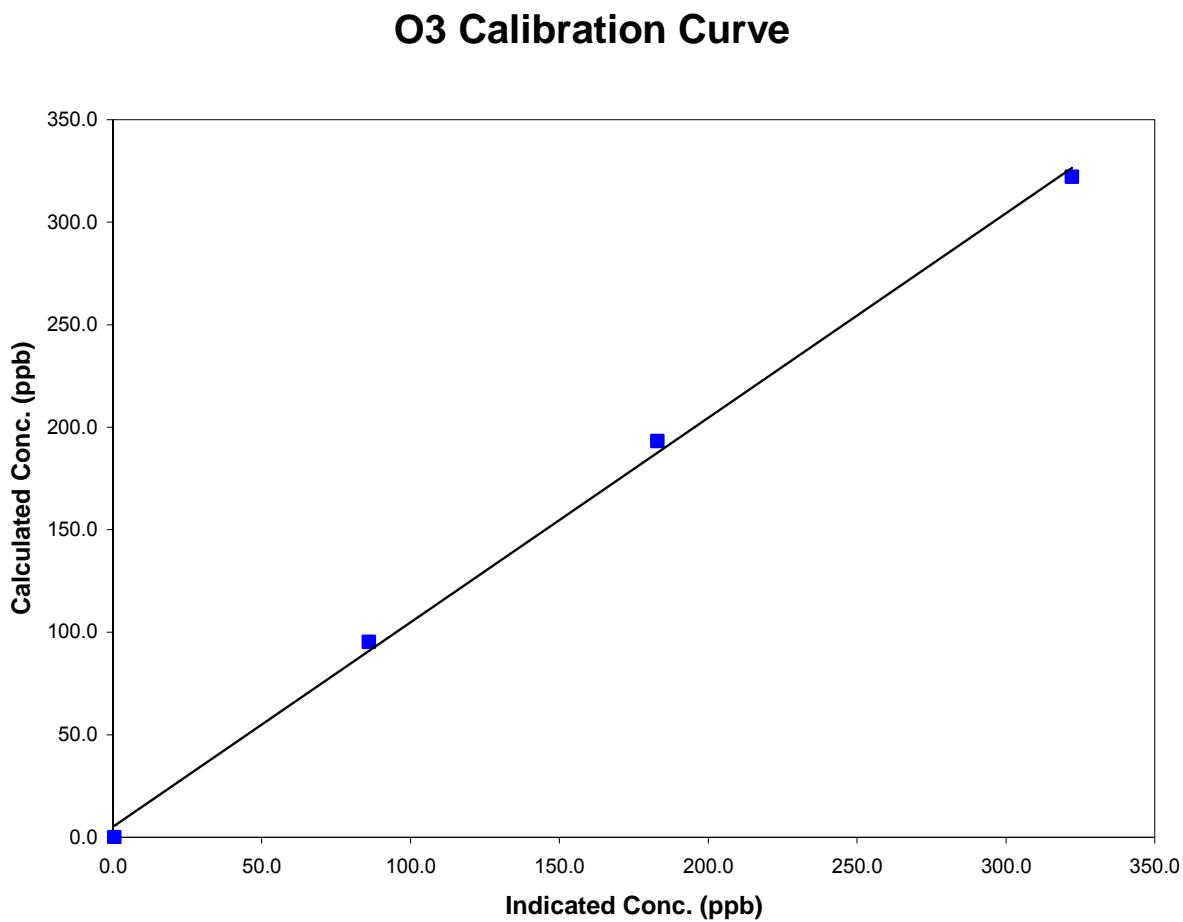


Station Information

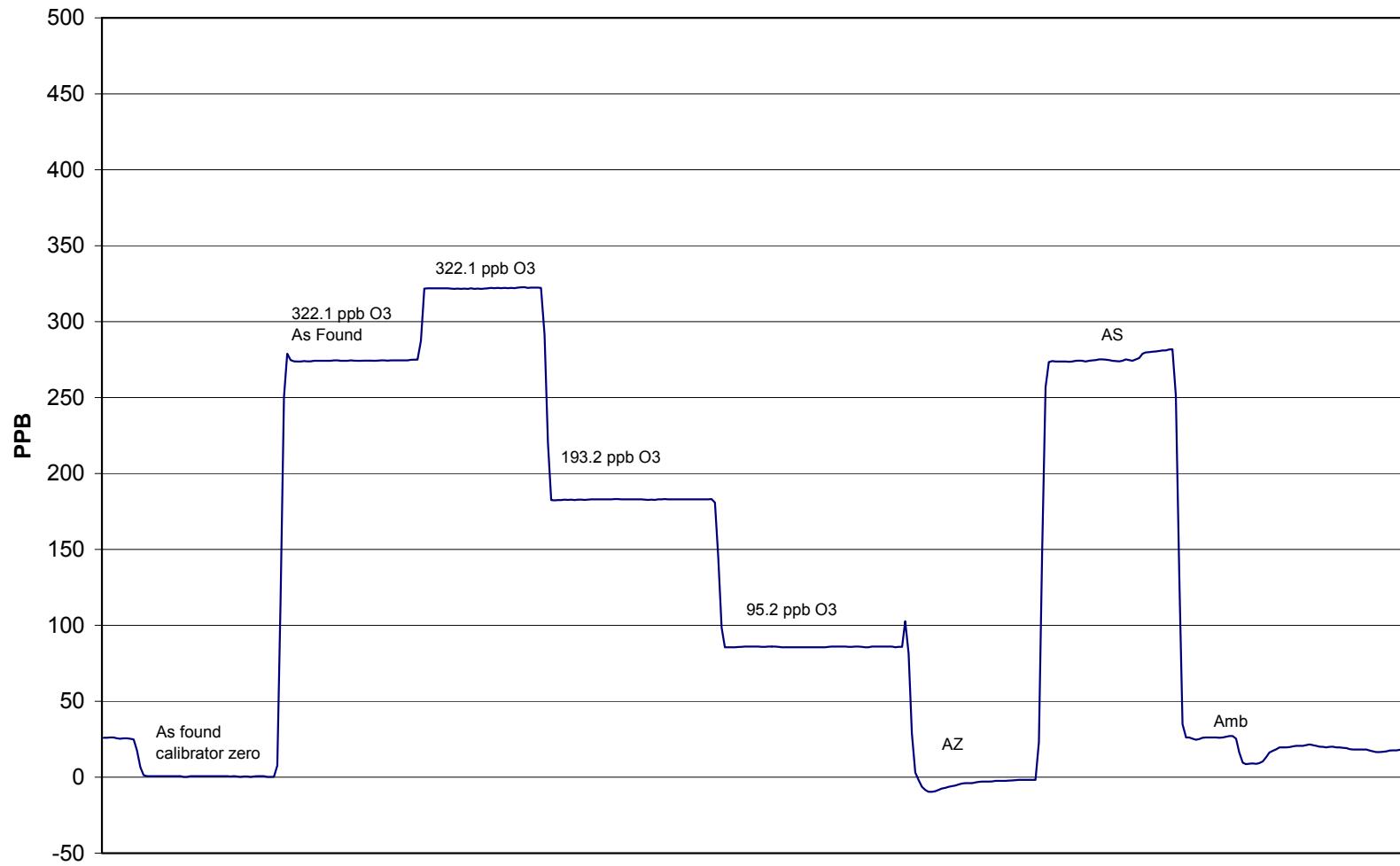
Calibration Date	June 19, 2007	Previous Calibration	June 12, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	10:18	End Time (MST)	13:03
Analyzer make/model	TECO 49C	Analyzer serial #	607415761

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	NA		
322.1	322.2	0.9999	Correlation Coefficient	0.998248
193.2	183.0	1.0557	Slope	0.997347
95.2	86.0	1.1077		
			Intercept	5.126403



O3 Calibration



June 19, 2007

Calibration Report

Parameter

CO

Air Monitoring Network

PASZA

**Station Information**

Calibration Date	June 7, 2007		Previous Calibration	May 9, 2007
Station Number	1		Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Install	Removal	Other:
Start Time (MST)	11:00		End Time (MST)	13:50
Barometric Pressure	0.920	ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 6103		Serial Number	2488
Cal Gas Conc	3000	ppm	Cal Gas Expiry Date	AUG 28/05
DACS make	Focus AP1000		Cal Gas Cylinder #	AAL20565
DACS voltage range	0 - 1 volt		DACS serial No.	1
	Before		DACS channel #	9
Calculated slope	1.005284		Calculated slope	1.014801
Calculated intercept	0.020895		Calculated intercept	-0.263442
Analyzer make	TEI Model 48C		Analyzer serial #	508011062
Concentration range	before		after	
CO span setting	0 - 25	ppm	0 - 25	ppm
CO zero setting	1.57		1.57	
Sample pressure	9.750		9.750	
Sample Flow	682	mm Hg	682	mm Hg
	1.091	LPM	1.091	LPM

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4994	0.00	0.00	0.22	N/A
4994	39.94	23.80	23.68	1.0050
4994	19.91	11.91	12.04	0.9891
4994	10.00	6.00	6.20	0.9676
4994	0.00	0.00	0.22	As Found Zero
4994	39.94	23.80	24.64	As Found Span
Average Correction Factor				0.9872

Calculated value of As Found Response:

24.578 ppm

Percent Change of As Found: -3.3%

Auto zero	before calibration		after calibration	
	-0.15	ppm	-0.18	ppm
	14.92	ppm	21.18	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

CO

Air Monitoring Network

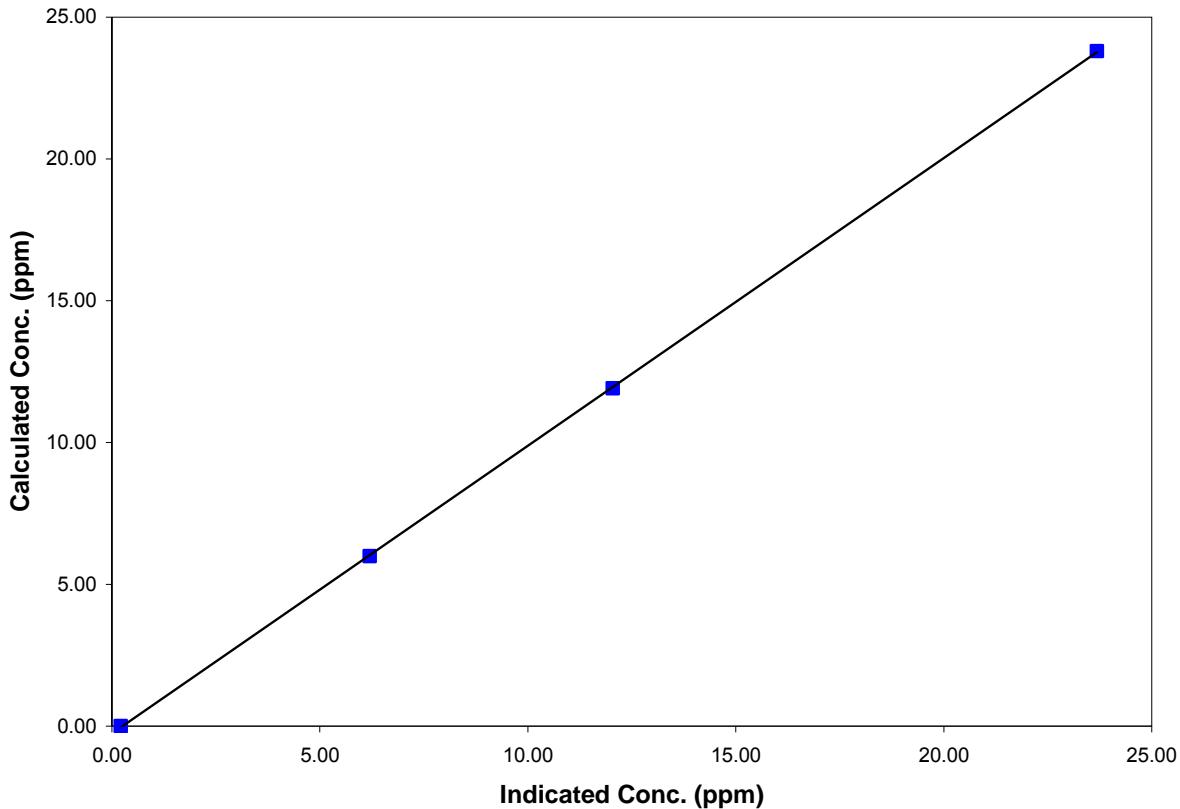
PASZA

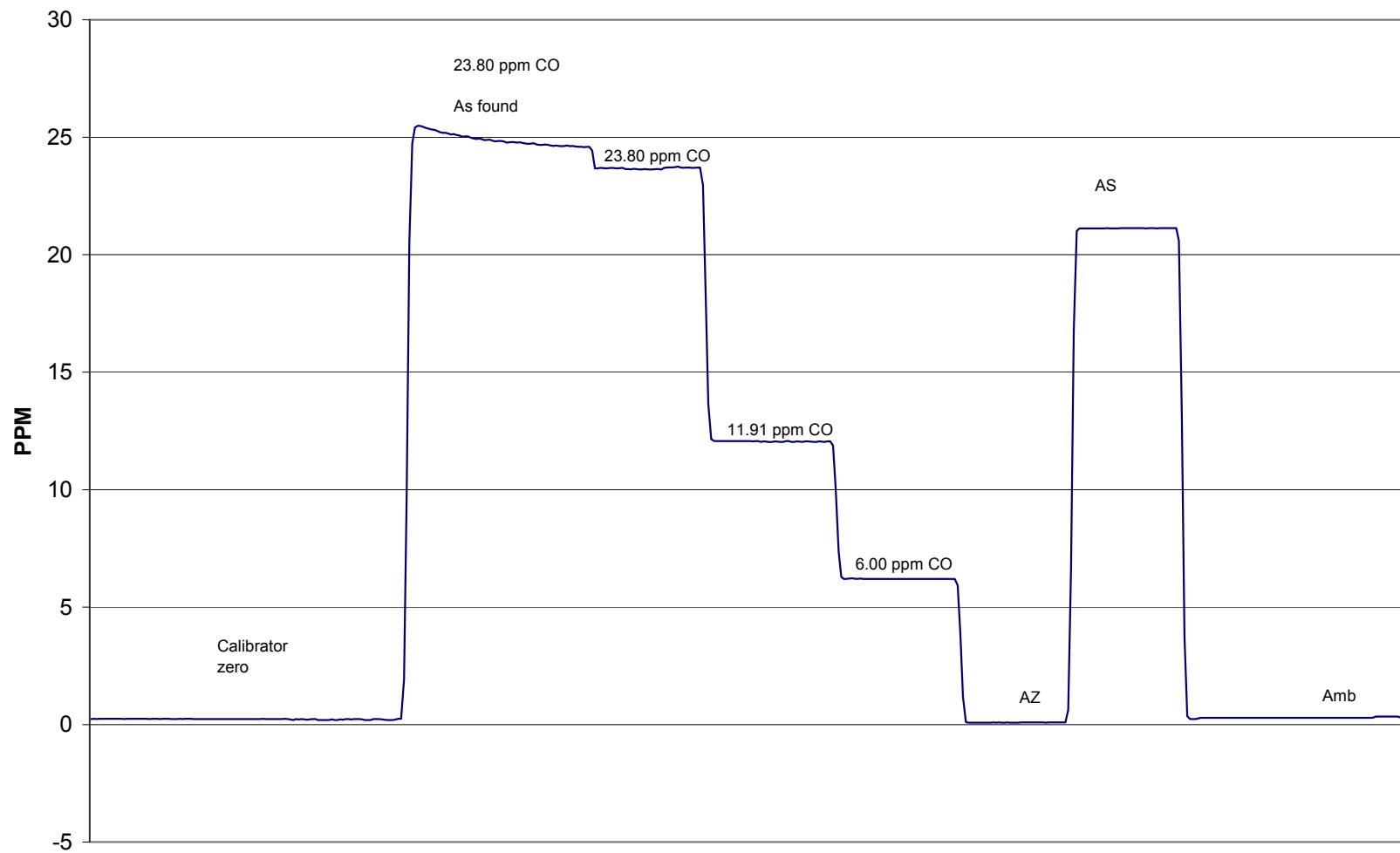
**Station Information**

Calibration Date	June 7, 2007	Previous Calibration	May 9, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	11:00	End Time (MST)	13:50
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	0.215	N/A		
23.802	23.684	1.0050	Correlation Coefficient	0.999981
11.913	12.045	0.9891	Slope	1.014801
5.995	6.196	0.9676	Intercept	-0.263442

CO Calibration Curve

CO Calibration

June 7, 2007

Calibration Report

Parameter

Air Monitoring Network

PASZA



Station Information

Station Information				
Calibration Date	June 19, 2007		Previous Calibration	May 10, 2007
Station Number	1		Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Install	Removal	Other:
Start Time (MST)	12:13		End Time (MST)	14:45
Barometric Pressure	0.935	ATM	Station Temperature	20.0 Deg C
Calibrator	Environics 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
	<u>Before</u>			<u>After</u>
Calculated slope	1.005894		Calculated slope	0.995576
Calculated intercept	-0.138932		Calculated intercept	0.134561
Analyzer make	TEI Model 51C-LT		Analyzer serial #	51CLT-79009-390
	before		after	
Concentration range	0 - 25	ppm	0 - 25	ppm
THC sample pressure	6.07	psi	6.1	psi
THC span counts	7246	capture	7465	capture
THC zero counts	432	capture	432	capture

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.00	0.05	N/A
4992	64.92	19.54	19.68	0.9928
4992	39.95	12.08	11.74	1.0292
4993	20.00	6.07	5.85	1.0389
4992	0.00	0.00	0.05	As Found Zero
4992	64.92	19.54	20.18	As Found Span
Average Correction Factor				1.0203

Calculated value of As Found Response: 20.100 ppm Percent Change of As Found: -2.9%

	before calibration		after calibration	
Auto zero	-0.04	ppm	-0.05	ppm
Auto span	22.95	ppm	22.41	ppm

Notes: Adjusted span.

Calibration Performed By: Dawn Ewan

Calibration SummaryParameter **THC**

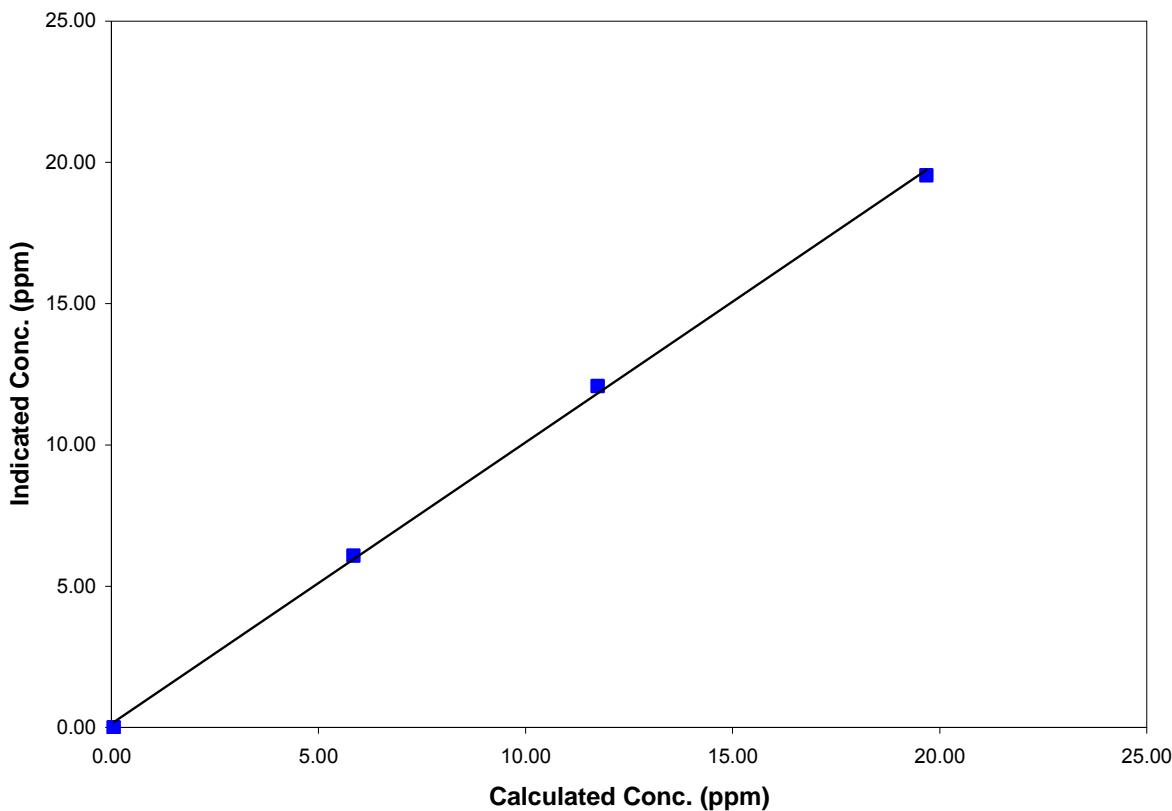
Air Monitoring Network

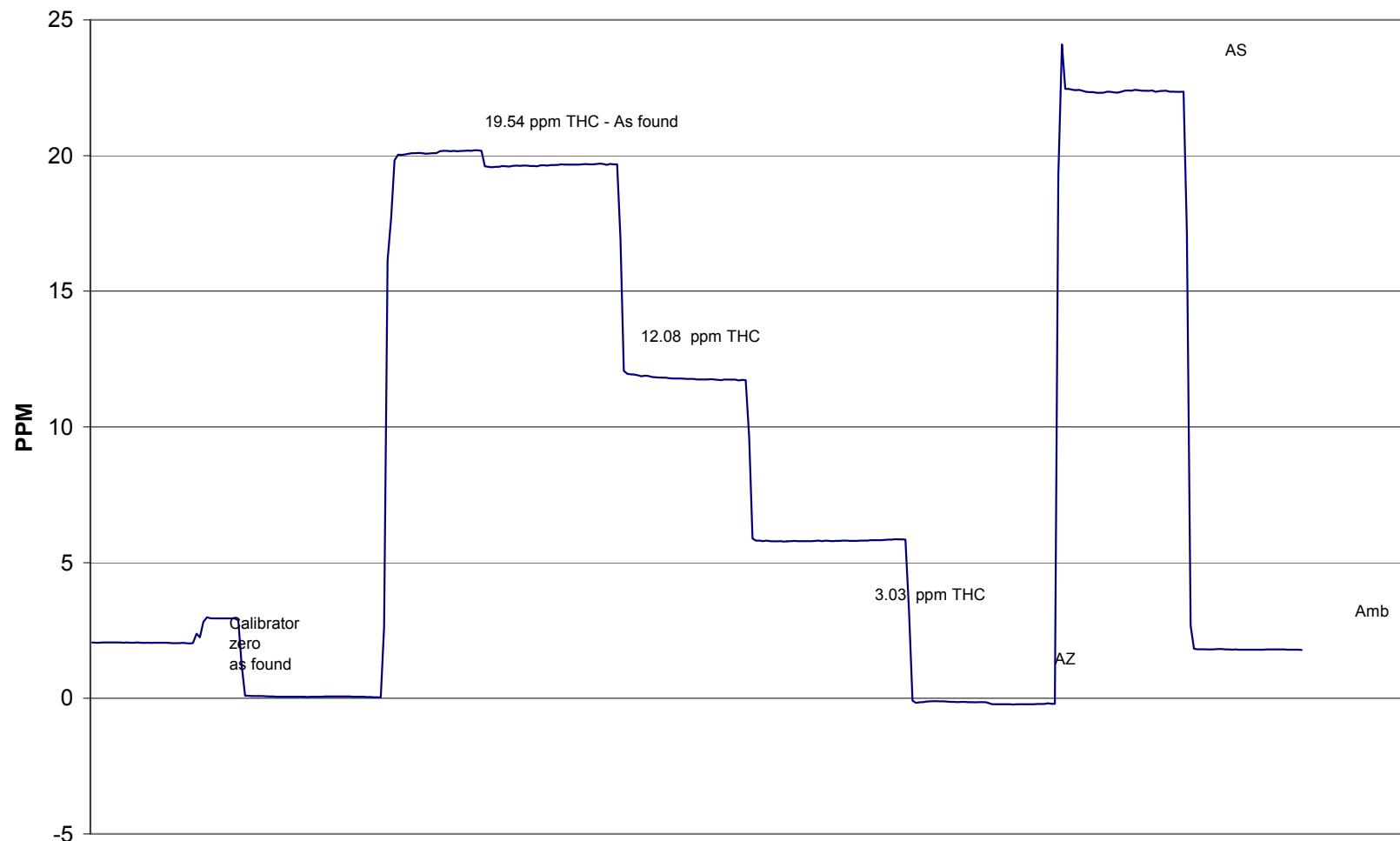
PASZA**Station Information**

Calibration Date	June 19, 2007	Previous Calibration	May 10, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	12:13	End Time (MST)	14:45
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	0.055	N/A		
19.542	19.684	0.9928	Correlation Coefficient	0.999268
12.084	11.742	1.0292	Slope	0.995576
6.073	5.846	1.0389	Intercept	0.134561

THC Calibration Curve

THC Calibration

June 19, 2007

Calibration Report

Parameter

TRS

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 19, 2007	Previous Calibration	May 10, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Reason:	Routine	Install	Removal Other:
Start Time (MST)	9:46	End Time (MST)	13:43
Barometric Pressure	27.7 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.940921	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	45266
DACS voltage range	0 - 10 volt	DACS channel #	9 After
	Before		
Calculated slope	0.977662	Calculated slope	0.976695
Calculated intercept	0.593382	Calculated intercept	1.668054
Analyzer make	TEI Model 45C	Analyzer serial #	
Concentration range	0 - 100 ppb	before	after
Background coefficient	19.8 ppb	0 - 100 ppb	0 - 100 ppb
Lamp Voltage	1.104	20 ppb	20 ppb
Chamber Temp	877 volts	1.15	1.15
Perm Gas Temp	44.3 Deg C	861 volts	861 volts
Pressure	658.7 Deg C	44.3 Deg C	44.3 Deg C
Sample Flow	463 mm Hg	658.4 mm Hg	658.4 mm Hg
Lamp Intensity	39,000 ccm	462 ccm	462 ccm
	mv	38,900 mv	38,900 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	2484.0	0.0	0.3	N/A
2640	2484.0	68.0	68.9	0.9875
4980	4685.8	36.1	34.4	1.0495
8610	8101.3	20.9	17.6	1.1857
zero	2446.4	0.0	-0.6	As Found Zero
2600	2446.4	69.1	65.0	As Found Span
			Average Correction Factor	1.0743

Calculated value of As Found Response: 64.70 ppm Percent Change of As Found: 6.3%

Auto zero	before calibration		after calibration	
	0.3 ppm	ppm	1.8 ppm	ppm
	53.3 ppm	ppm	48.8 ppm	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter	TRS
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Air Monitoring Network

PASZA

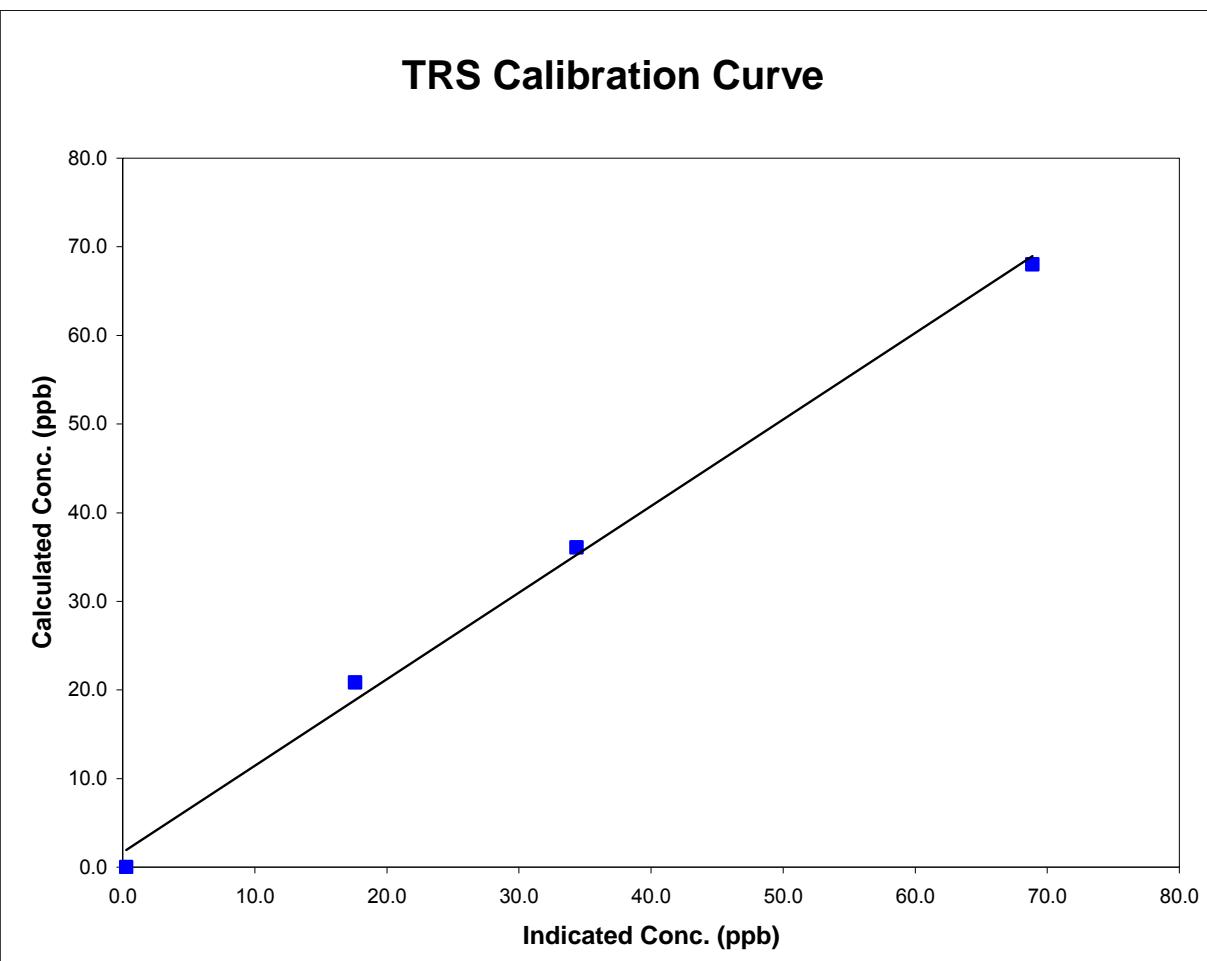


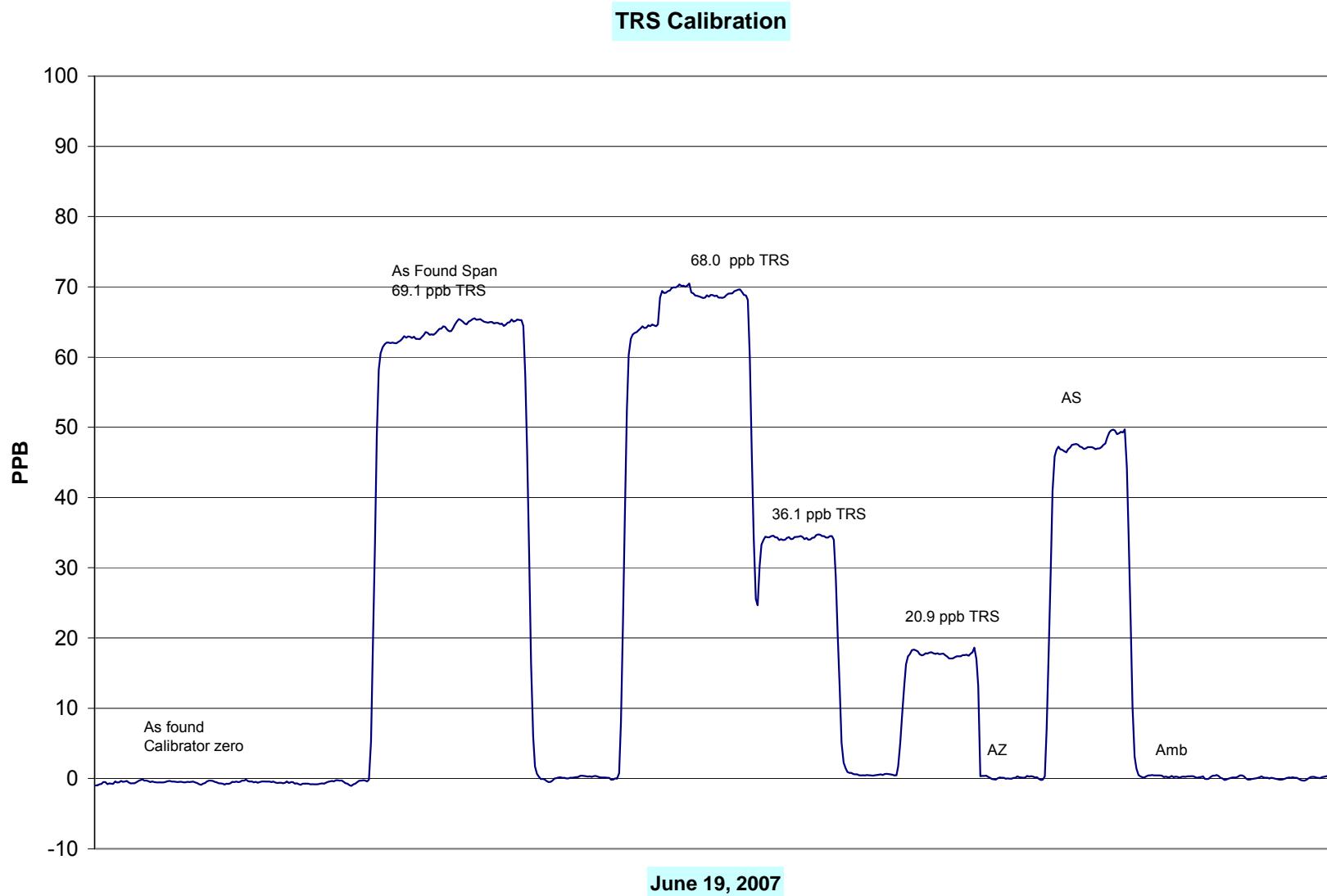
Station Information

Calibration Date	June 19, 2007	Previous Calibration	May 10, 2007
Station Number	1	Station Location	Henry Pirker / Muskoseepi Park
Start Time (MST)	9:46	End Time (MST)	13:43
Analyzer make/model	TEI Model 45C	Analyzer serial #	0

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.3	N/A		
68.0	68.9	0.9875	Correlation Coefficient	0.996231
36.1	34.4	1.0495		
20.9	17.6	1.1857	Slope	0.976695
			Intercept	1.668054





Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 21, 2007	Previous Calibration	May 3, 2007	
Station Number	2	Station Location	Evergreen Park	
Reason:	Routine	Install	Removal	
Start Time (MST)	11:29	End Time (MST)	15:13	
Barometric Pressure	27.7 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	0.942961	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	1.001517	Calculated slope	1.019231	
Calculated intercept	0.319290	Calculated intercept	2.789344	
Analyzer make	Teco 43i	Analyzer serial #	701120008	
Concentration range Background coefficient Lamp Voltage Chamber Temp Perm Gas Temp Pressure Sample Flow Lamp Intensity	before		after	
	1000	ppb	1000	ppb
	8.1		8	
	0.894		0.833	
	843	volts	838	volts
	45.1	Deg C	45.3	Deg C
	45.01	Deg C	45	Deg C
	663.5	mm Hg	666.8	mm Hg
	443	ccm	445	ccm
	89	%	90	%

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2277.2	0.0	0.6	N/A
2415	2277.2	326.2	318.9	1.0228
4575	4314.0	172.2	165.0	1.0438
8455	7972.7	93.2	85.0	1.0964
zero	2352.7	0.0	0.9	As Found Zero
2495	2352.7	315.7	333.6	As Found Span
Average Correction Factor				1.0543

Calculated value of As Found Response:

333.473 ppm

Percent Change of As Found: -5.6%

Auto zero Auto span	before calibration		after calibration	
	0.7	ppm	3.2	ppm
	275.8	ppm	263.6	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

Air Monitoring Network

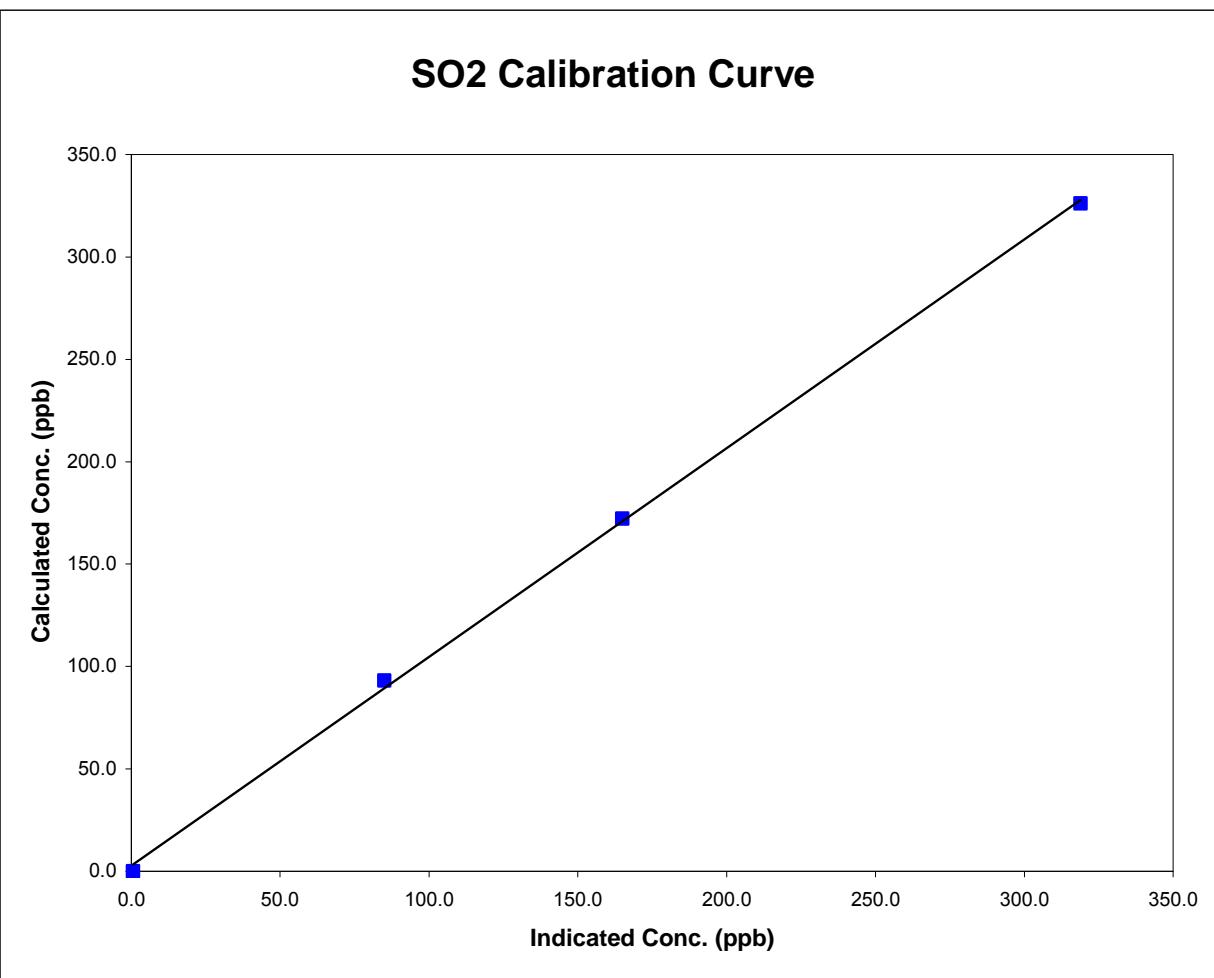
PASZA

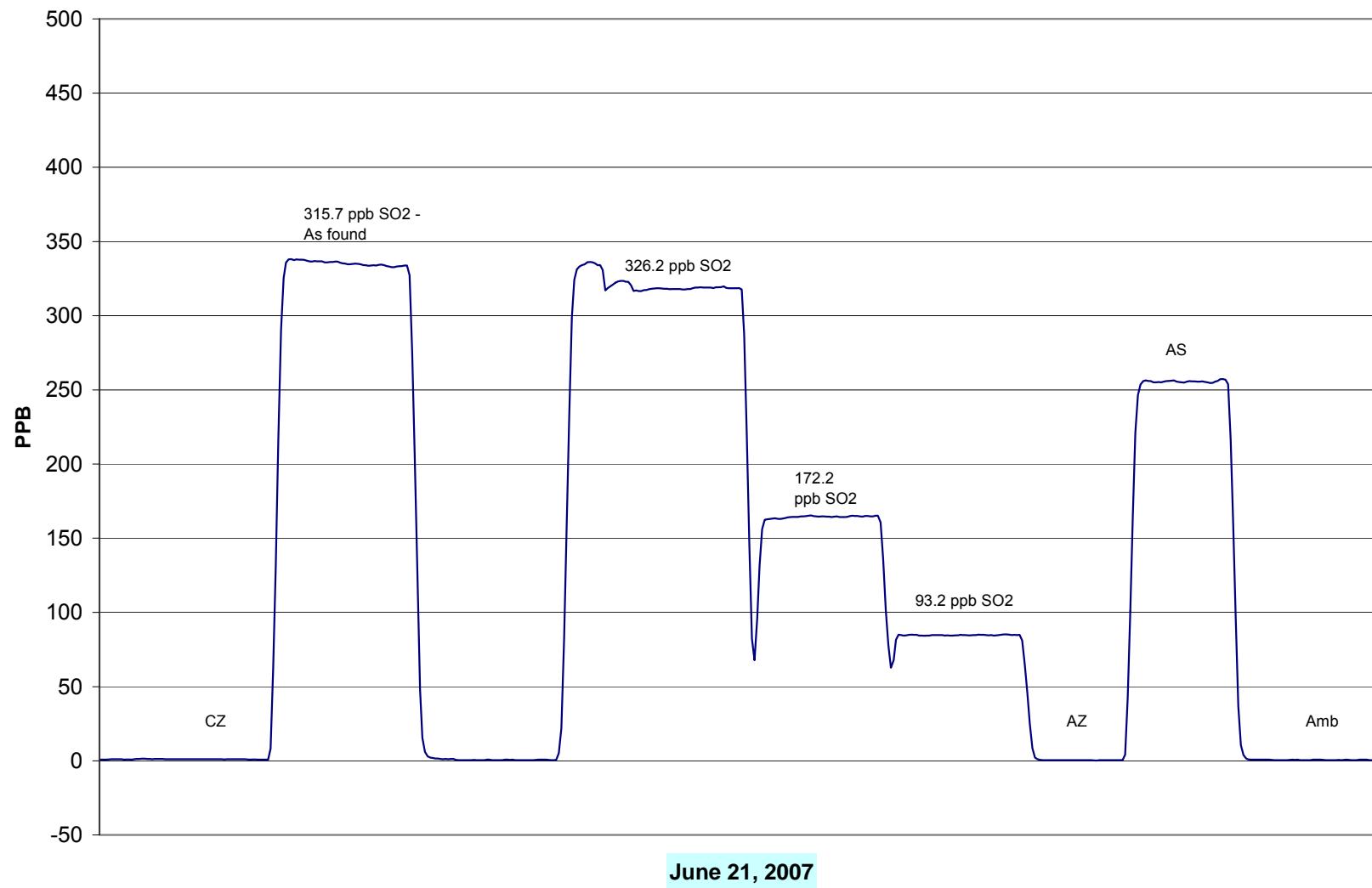


Station Information			
Calibration Date	June 21, 2007	Previous Calibration	May 3, 2007
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:29	End Time (MST)	15:13
Analyzer make/model	Teco 43i	Analyzer serial #	701120008

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.6	N/A		
326.2	318.9	1.0228	Correlation Coefficient	0.999476
172.2	165.0	1.0438		
93.2	85.0	1.0964	Slope	1.019231
			Intercept	2.789344



SO₂ Calibration

Calibration Report

Parameter

TRS

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 21, 2007	Previous Calibration	May 3, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	11:29	End Time (MST)	15:13
Barometric Pressure	27.74 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	0.942961	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	52620
DACS voltage range	0 - 10 volt	DACS channel #	5
	Before		After
Calculated slope	0.996048	Calculated slope	1.024978
Calculated intercept	0.288408	Calculated intercept	0.819826

Analyzer make	TEI Model 43C	Analyzer serial #	0436610005
before		after	
Concentration range	100	ppb	100 ppb
Background coefficient	19.7	ppb	19.4 ppb
Lamp Voltage	1.211		1.085
Chamber Temp	794	volts	786 volts
Perm Gas Temp	44.1	Deg C	44.1 Deg C
Pressure	44.99	Deg C	44.99 Deg C
Sample Flow	633.4	mm Hg	637 mm Hg
Lamp Intensity	468	ccm	469 ccm
	45,500	mv	46,200 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	2277.2	0.0	-0.2	N/A
2415	2277.2	74.2	72.0	1.0308
4575	4314.0	39.2	36.9	1.0602
8455	7972.7	21.2	19.3	1.0969
zero	2352.7	0.0	1.9	As Found Zero
2495	2352.7	71.8	80.0	As Found Span
Average Correction Factor				1.0626

Calculated value of As Found Response: 78.06 ppm Percent Change of As Found: -8.7%

	before calibration		after calibration	
Auto zero	0.2	ppm	-1.2	ppm
Auto span	91.4	ppm	79.7	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration SummaryParameter **TRS**

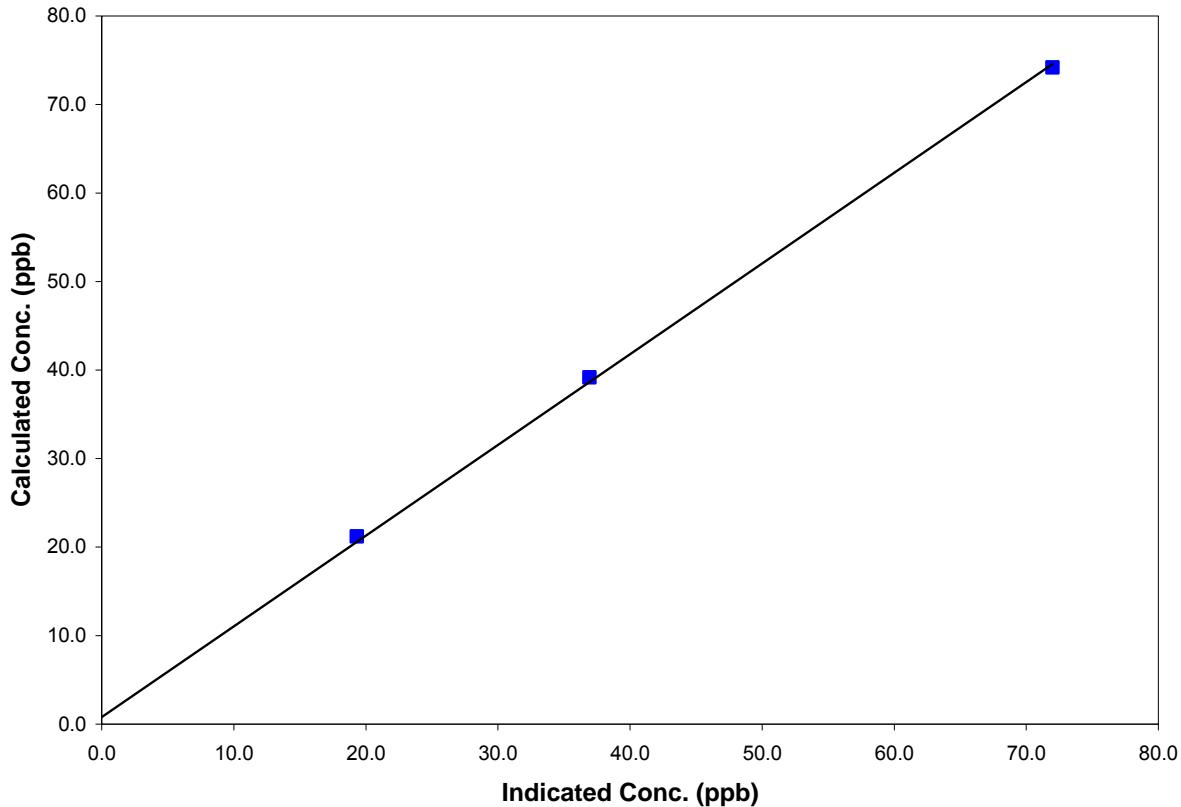
Air Monitoring Network

PASZA**Station Information**

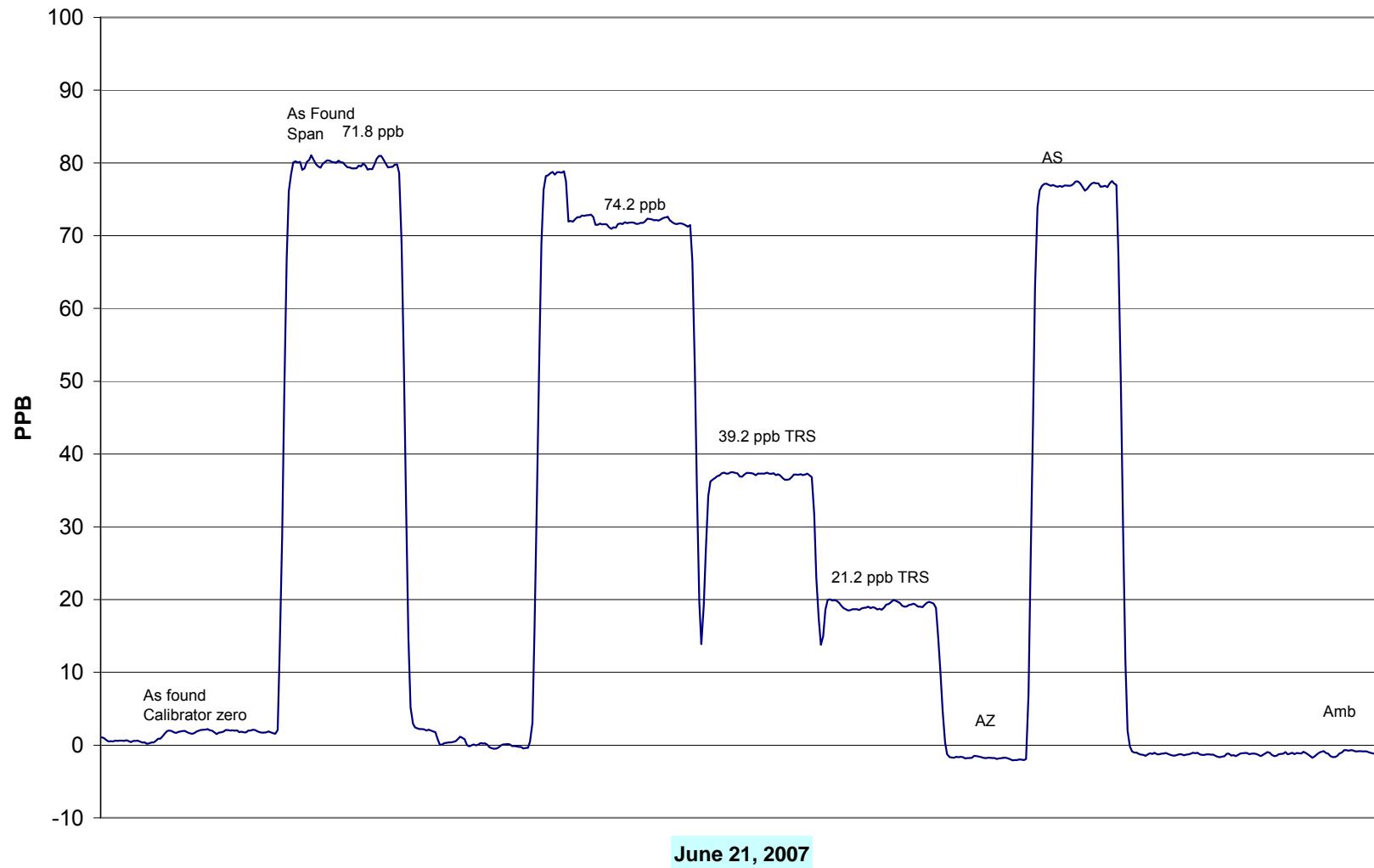
Calibration Date	June 21, 2007	Previous Calibration	May 3, 2007
Station Number	2	Station Location	Evergreen Park
Start Time (MST)	11:29	End Time (MST)	15:13
Analyzer make/model	TEI Model 43C	Analyzer serial #	0436610005

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.2	N/A		
74.2	72.0	1.0308	Correlation Coefficient	0.999616
39.2	36.9	1.0602	Slope	1.024978
21.2	19.3	1.0969	Intercept	0.819826

TRS Calibration Curve

TRS Calibration



Calibration Report

Parameter

PM2.5

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 21, 2007	Previous Calibration	April 16, 2007
Station Number	2	Station Location	Evergreen Park
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	12:50	End Time (MST)	16:30
Barometric Pressure	0.927 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
Aux Flow Set Point	13.67	SLPM	13.67
Filter Load	44	%	17
Ko Factor	10124		10124
Temperature	20.0	Deg C	20.0
Pressure	0.927	ATM	0.927

Calibration Data

Parameter	Set Point	As Found	Tolerance	TEOM Reading
zero flow - main	0.0	0.09		0.06
zero flow - auxillary	0.0	0.11		-0.04
flow recovery - main	45 - 60 Seconds	50.0	45 - 60 Seconds	50.0
flow recovery - aux	46 - 60 Seconds	55.0	46 - 60 Seconds	55.0
Temperature	measured	20.3	+/- 1.0 Deg C	8.6
Pressure	measured	0.922	+/- 1.5% ΔATM	0.922
Total Flow	16.67 SLPM	15.40		
Main Flow	13.67 SLPM	12.96	+/- 1.0 SLPM	13.58
Auxillary Flow	3.0 SLPM	2.802	+/- 0.2 SLPM	2.972
Leak Check - main	0.0	0.08	<0.15 SLPM	0.08
Leak Check - aux	0.0	0.29	<0.15 SLPM	0.19
Ko Factor (w/o filter)	measured		filter weight (g)	0.11012
Ko Factor (w/ filter)	measured		% Ko difference	N/A

Notes: Cleaned head.

Changed filter.

Adjusted flows.

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 23, 2007	Previous Calibration	May 31, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	12:10	End Time (MST)	14:42
Barometric Pressure	27.60	inches Hg	20.0
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946	ng/min	8/6/2006
Correction factor	0.938202	Perm-tube Expiry Date	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.895210	Calculated slope	0.955933
Calculated intercept	5.138695	Calculated intercept	2.162745
Analyzer make	Teco 43i	Analyzer serial #	70112009
Concentration range Background coefficient Lamp Voltage Chamber Temp Perm Gas Temp Pressure Sample Flow Lamp Intesity	before		after
	500	ppb	500
	5.1		5.1
	0.813		0.813
	868	V	868
	45	Deg C	45
	44.99	Deg C	44.99
	668.1	"Hg	668.1
	444	cc/min	444
	90	%	90

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2434.6	0.0	0.1	N/A
2595	2434.6	305.1	317.9	0.9596
5010	4700.4	158.0	162.7	0.9714
8660	8124.8	91.4	90.3	1.0119
zero	2434.6	0.0	0.1	As Found Zero
2595	2434.6	305.1	317.9	As Found Span
Average Correction Factor				0.9810

Calculated value of As Found Response: 289.688 ppm Percent Change of As Found: 5.0%

Auto zero Auto span	before calibration		after calibration	
	5.2	ppm	2.2	ppm
	279.9	ppm	292.6	ppm

Notes: No adjustments made.

Calibration Performed By: Dawn Ewan

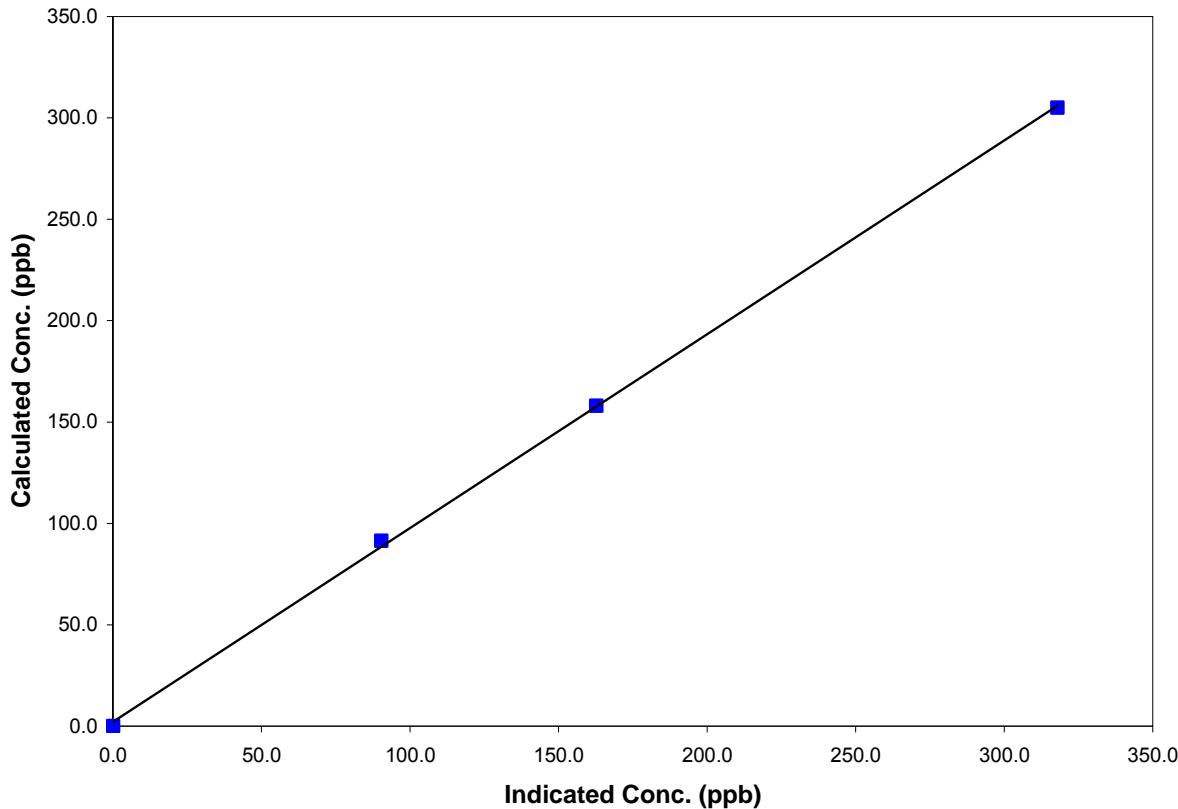
Calibration Summary

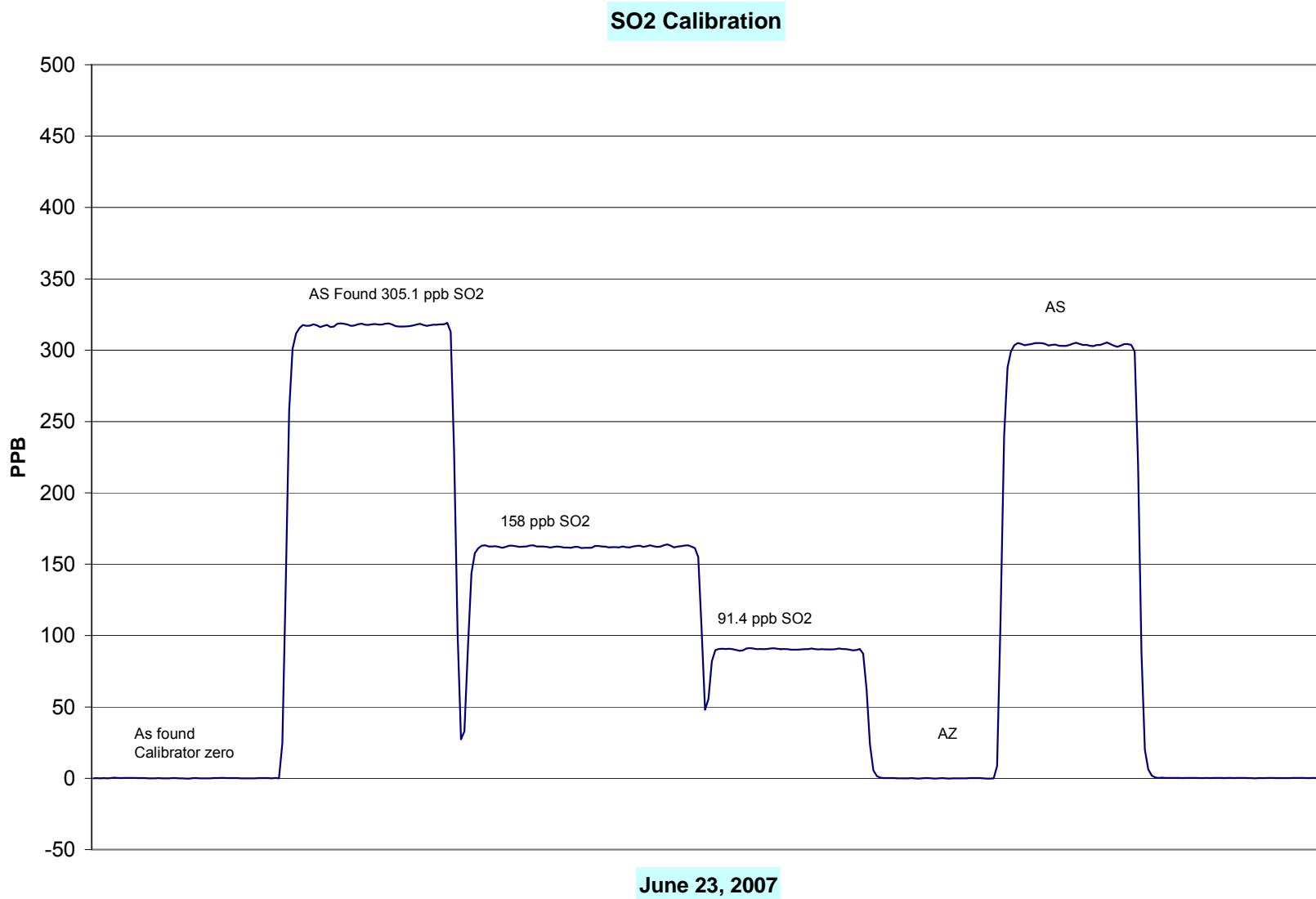
Parameter **SO2**
 Air Monitoring Network **PASZA**

Station Information			
Calibration Date	June 23, 2007	Previous Calibration	May 31, 2007
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	12:10	End Time (MST)	14:42
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		
305.1	317.9	0.9596	Correlation Coefficient	0.999707
158.0	162.7	0.9714	Slope	0.955933
91.4	90.3	1.0119	Intercept	2.162745

SO2 Calibration Curve



Calibration Report



Parameter	TRS
Air Monitoring Network	PASZA

Station Information

Calibration Date	June 23, 2007	Previous Calibration	May 31, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	12:10	End Time (MST)	14:42
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 Date	8/6/2006
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
	Before		After
Calculated slope	0.957832	Calculated slope	0.879723
Calculated intercept	0.663842	Calculated intercept	-0.625263

Analyzer make	TEI Model 43C	Analyzer serial #	436610004
before		after	
Concentration range	100	ppb	100
Background	15.1	ppb	15.1
coefficient	1.343		1.343
Lamp Voltage	774	volts	774
Chamber Temp	44.1	Deg C	44.1
Perm Gas Temp	45.02	Deg C	45.02
Pressure	492.7	mm Hg	492.7
Sample Flow	777	ccm	777
Lamp Intesity	32,400	mv	32,400

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	2434.6	0.0	1.4	N/A
2595	2434.6	69.4	80.0	0.8675
5010	4700.4	35.9	41.1	0.8737
8660	8124.8	20.8	23.7	0.8772
zero	2434.6	0.0	1.4	As Found Zero
2595	2434.6	69.4	79.7	As Found Span
Average Correction Factor				0.8728

Calculated value of As Found Response: 75.68 ppm Percent Change of As Found: -9.0%

Auto zero Auto span	before calibration		after calibration	
	1.0	ppm	-0.3	ppm
	57.1	ppm	49.9	ppm

Notes: No adjustments made.

Calibration Performed By: Dawn Ewan

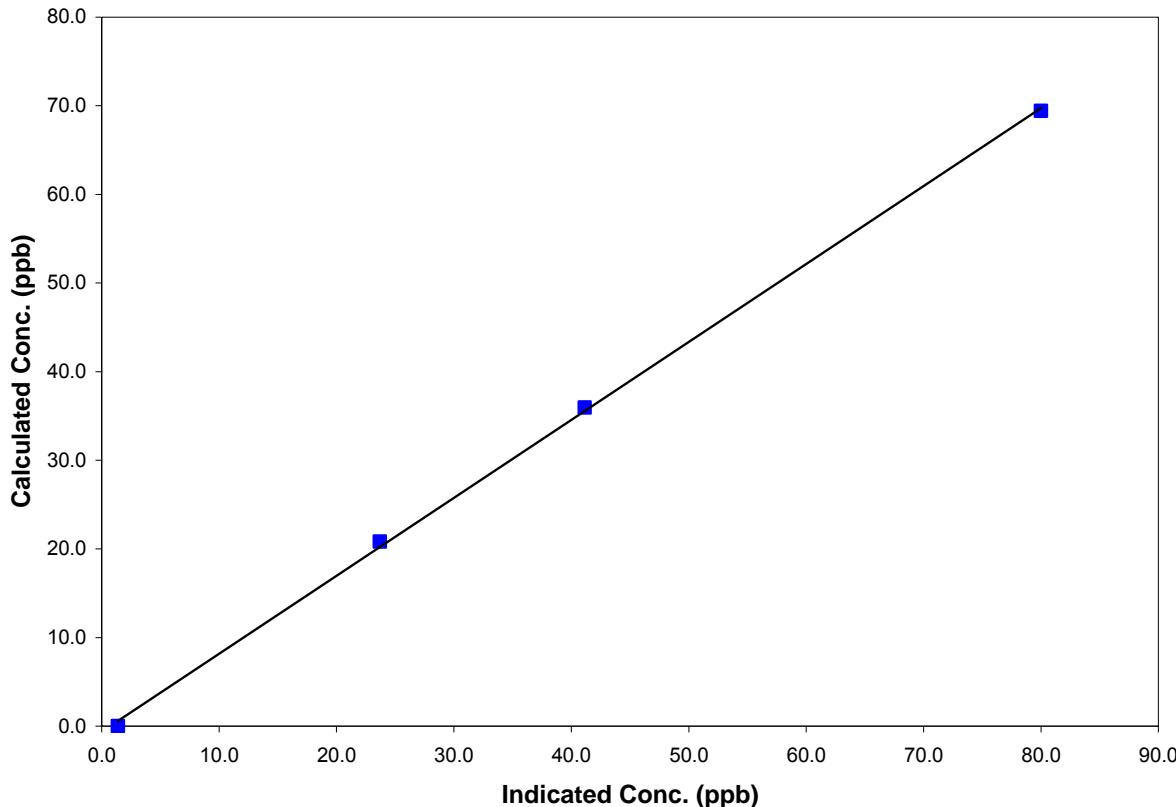
Calibration Summary

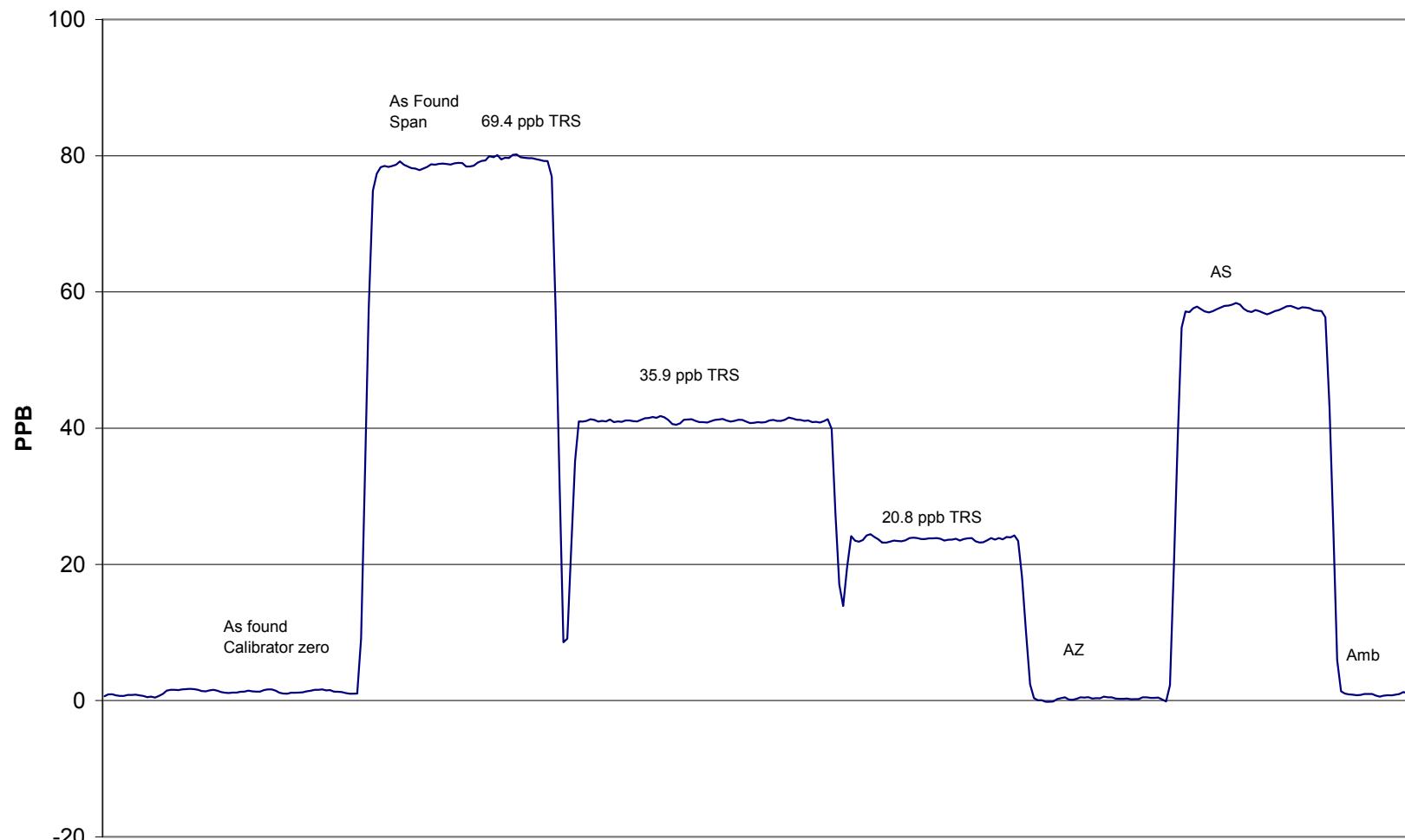
Parameter	TRS	PASZA
Air Monitoring Network		

Station Information			
Calibration Date	June 23, 2007	Previous Calibration	May 31, 2007
Station Number	3	Station Location	Smoky Heights
Start Time (MST)	12:10	End Time (MST)	14:42
Analyzer make/model	TEI Model 43C	Analyzer serial #	436610004

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	1.4	N/A		
69.4	80.0	0.8675	Correlation Coefficient	0.999635
35.9	41.1	0.8737	Slope	0.879723
20.8	23.7	0.8772	Intercept	-0.625263

TRS Calibration Curve

TRS Calibration

Calibration Report

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

Station Information

Calibration Date	June 23, 2007	Previous Calibration	April 26, 2007
Station Number	3	Station Location	Smoky Heights
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	13:10	End Time (MST)	14:42
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	
	3.000	SLPM	3.000	SLPM
Main Flow Set Point	13.67	SLPM	13.67	SLPM
Aux Flow Set Point	41	%	15	%
Filter Load	12122		12122	
Ko Factor	16.1	Deg C	16.1	Deg C
Temperature	0.921	ATM	0.921	ATM
Pressure	0.970		1.000	
Main Fadj	1.000		1.000	
Aux Fadj				

Calibration Data

Parameter	Set Point	As Found	Tolerance	New Reading
zero flow - main	0.0	0.12		0.12
zero flow - auxillary	0.0	0.29		0.29
flow recovery - main	45 - 60 Seconds	45	45 - 60 Seconds	45
flow recovery - aux	46 - 60 Seconds	50	46 - 60 Seconds	50
Temperature	measured	16.1	+/- 1.0 Deg C	16.1
Pressure	measured	0.921	+/- 1.5% ΔATM	0.921
Total Flow	16.67 SLPM	15.70		
Main Flow	13.67 SLPM	13.20	+/- 1.0 SLPM	13.65
Auxillary Flow	3.0 SLPM	2.805	+/- 0.2 SLPM	2.893
Leak Check - main	0.0	0.11	<0.15 SLPM	0.11
Leak Check - aux	0.0	0.28	<0.15 SLPM	0.28
Ko Factor (w/o filter)	measured		filter weight (g)	0.11014
Ko Factor (w/ filter)	measured		% Ko difference	

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

Calibration Performed By: Dawn Ewan

Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 5, 2007	Previous Calibration	May 29, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	Routine	Install	Removal
Start Time (MST)	10:08	End Time (MST)	13:11
Barometric Pressure	0.902 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
Cal Gas Make	Scott	Cal Gas Expiry Date	July 2 2007
Cal Gas Conc.	10.07 ppm	Cal Gas Cylinder #	CC-114395
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3
Calculated slope	Before 1.005983	Calculated slope	After 1.000716
Calculated intercept	-0.195603	Calculated intercept	-0.132383
Analyzer make	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376
Concentration range	before 0 - 100	after ppb	0 - 100 ppb
Background	2.31	ppb	1.97
Coefficient	0.9		0.756
Lamp Voltage	899.0	Volts	896.0
Chamber Temp	44.2	Deg C	44.4
Sample Flow	587	ccm	576

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	-0.01	N/A
4996	39.94	79.87	79.87	0.9999
4996	19.97	40.09	40.26	0.9959
4996	9.95	20.02	20.28	0.9868
4996	0.00	0.00	-0.01	As Found Zero
4996	39.94	79.87	95.52	As Found Span
Average Correction Factor				0.9942

Calculated value of As Found Response: 95.902 ppm Percent Change of As Found: -20.1%

Auto zero	before calibration		after calibration	
	-0.23	ppm	-0.22	ppm
	31.35	ppm	27.35	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

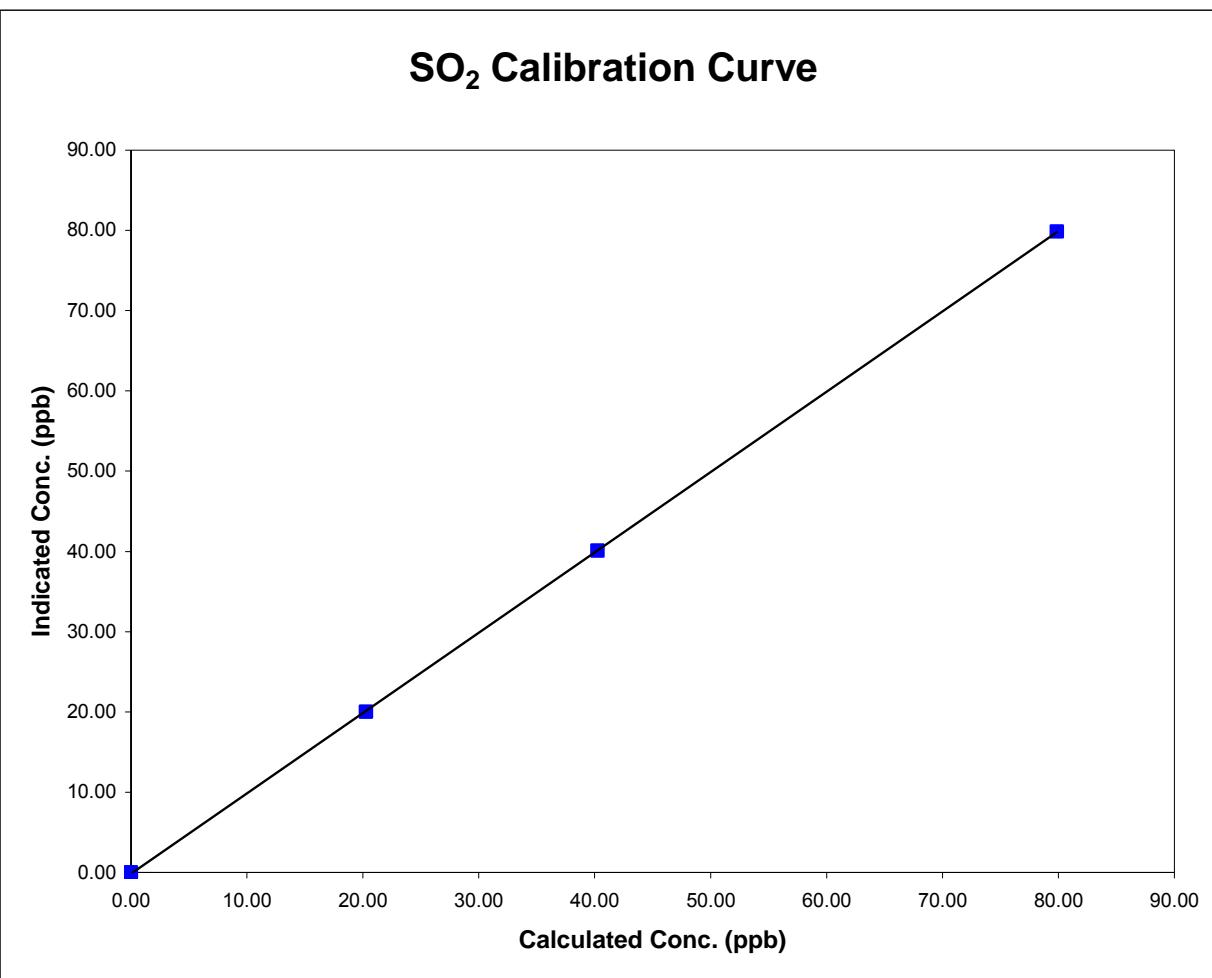


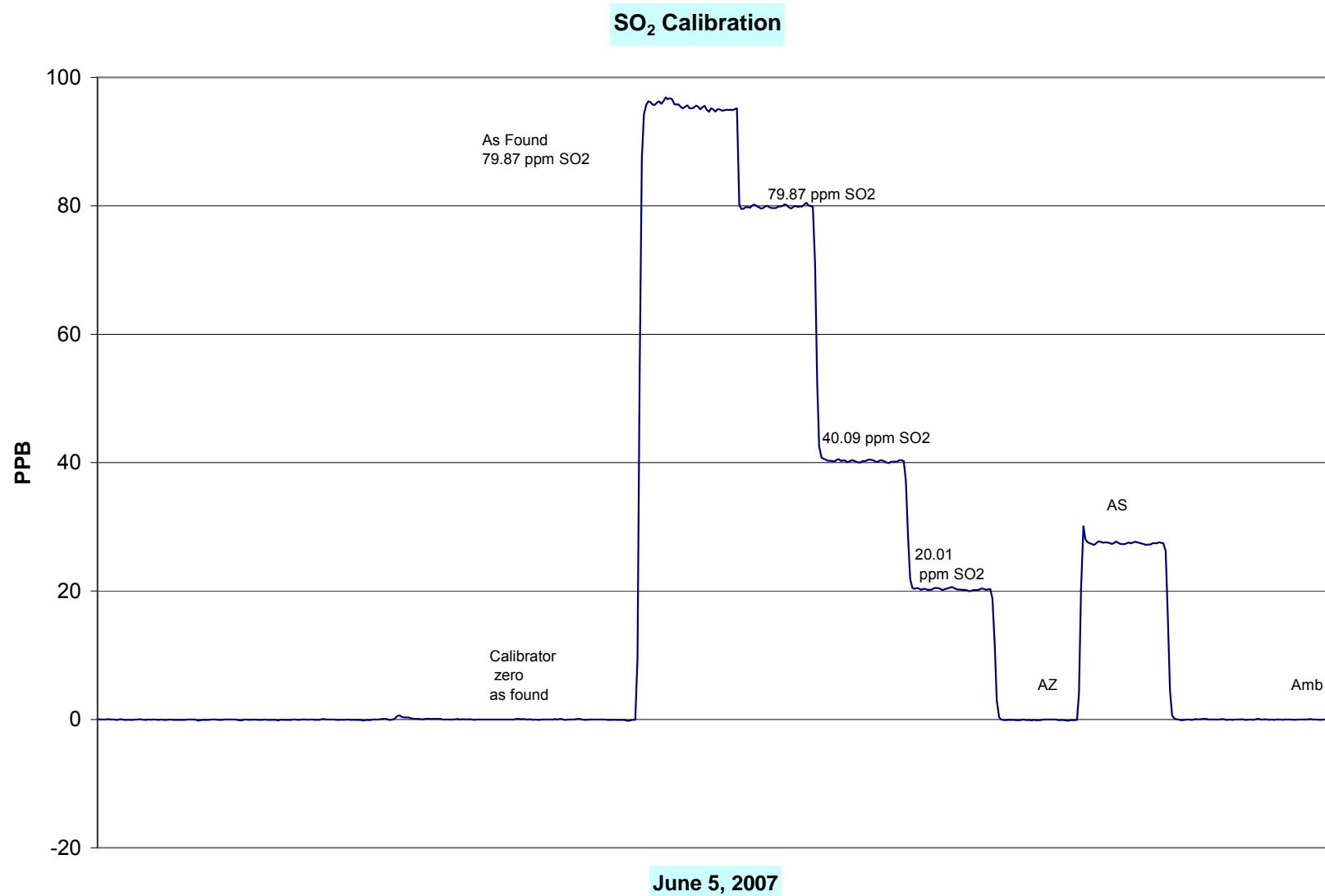
Parameter **SO₂**
 Air Monitoring Network **PASZA**

Station Information			
Calibration Date	June 5, 2007	Previous Calibration	May 29, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	10:08	End Time (MST)	13:11
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	-0.010	N/A		
79.865	79.872	0.9999	Correlation Coefficient	0.999985
40.092	40.255	0.9959	Slope	1.000716
20.015	20.284	0.9868	Intercept	-0.132383





Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 28, 2007	Previous Calibration	June 5, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	Routine	Install	Removal
			Other: post audit cal
Start Time (MST)	8:15	End Time (MST)	10:10
Barometric Pressure	0.912 atm	Station Temperature	21.0 Deg C
Calibrator	Environics 6103	Serial Number	2844
Cal Gas Make	Scott	Cal Gas Expiry Date	July 2 2007
Cal Gas Conc.	10.06 ppm	Cal Gas Cylinder #	CC-114395
DACS make	Focus AP1000	DACS serial No.	45267
DACS voltage range	0 - 10 volt	DACS channel #	3
	<u>Before</u>		<u>After</u>
Calculated slope	1.000766	Calculated slope	0.997500
Calculated intercept	-0.160088	Calculated intercept	0.089394
Analyzer make	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376
Concentration range	before		after
	0 - 100	ppb	0 - 100
Background	1.95	ppb	1.95
Coefficient	0.756		0.756
Lamp Voltage	896.0	Volts	896.0
Chamber Temp	44.7	Deg C	44.7
Sample Flow	606	ccm	606
			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	-0.09	N/A
4996	39.94	79.79	79.90	0.9986
4996	0.00	0.00	0.38	As Found Zero
4996	39.94	79.79	79.54	As Found Span
		Average Correction Factor	0.9986	

Calculated value of As Found Response: 79.051 ppm Percent Change of As Found: 0.9%

Auto zero	before calibration		after calibration	
			NA	ppm
	ppm	ppm	NA	ppm
Auto span	27.36	ppm	NA	ppm

Notes: Could not determine issue between AENV audit results and calibration gas response.
 Flows were verified; calibrator considered accurate. No adjustments made; cal gas will be audited for verification.

Calibration Performed By: Kelly Baragar

Calibration SummaryParameter **SO₂**

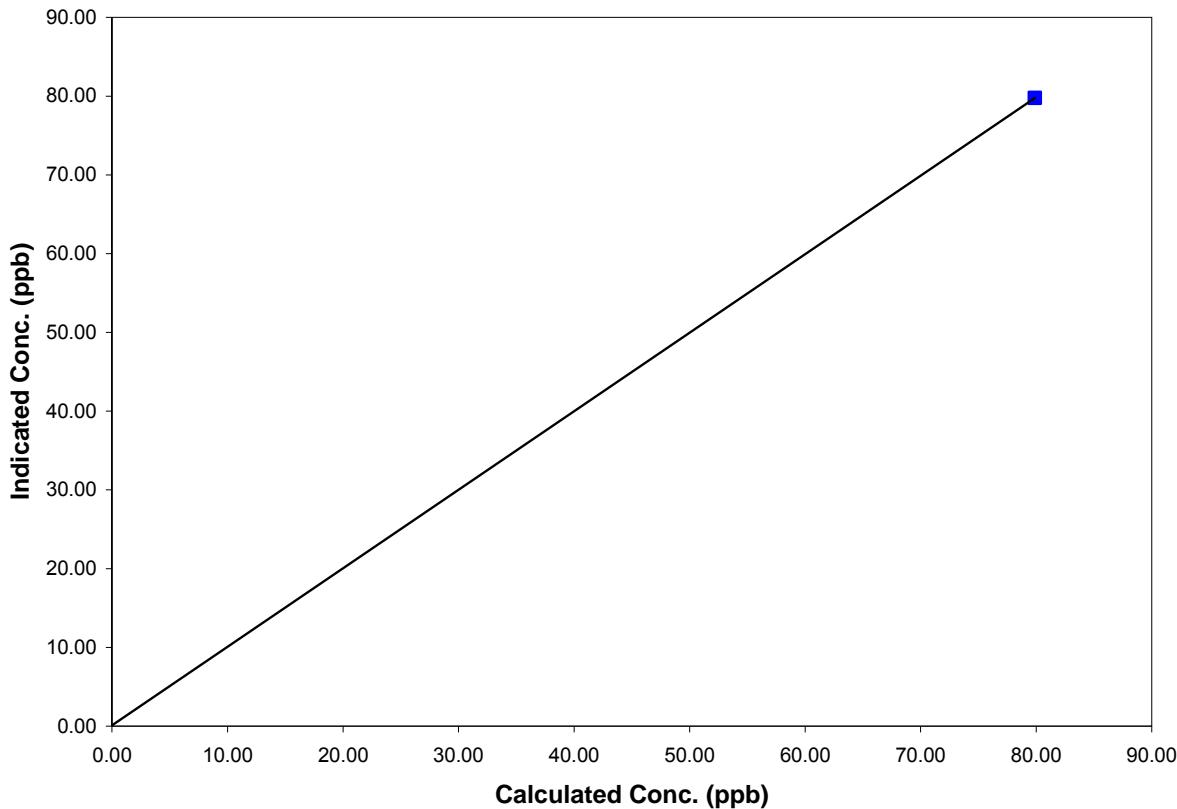
Air Monitoring Network

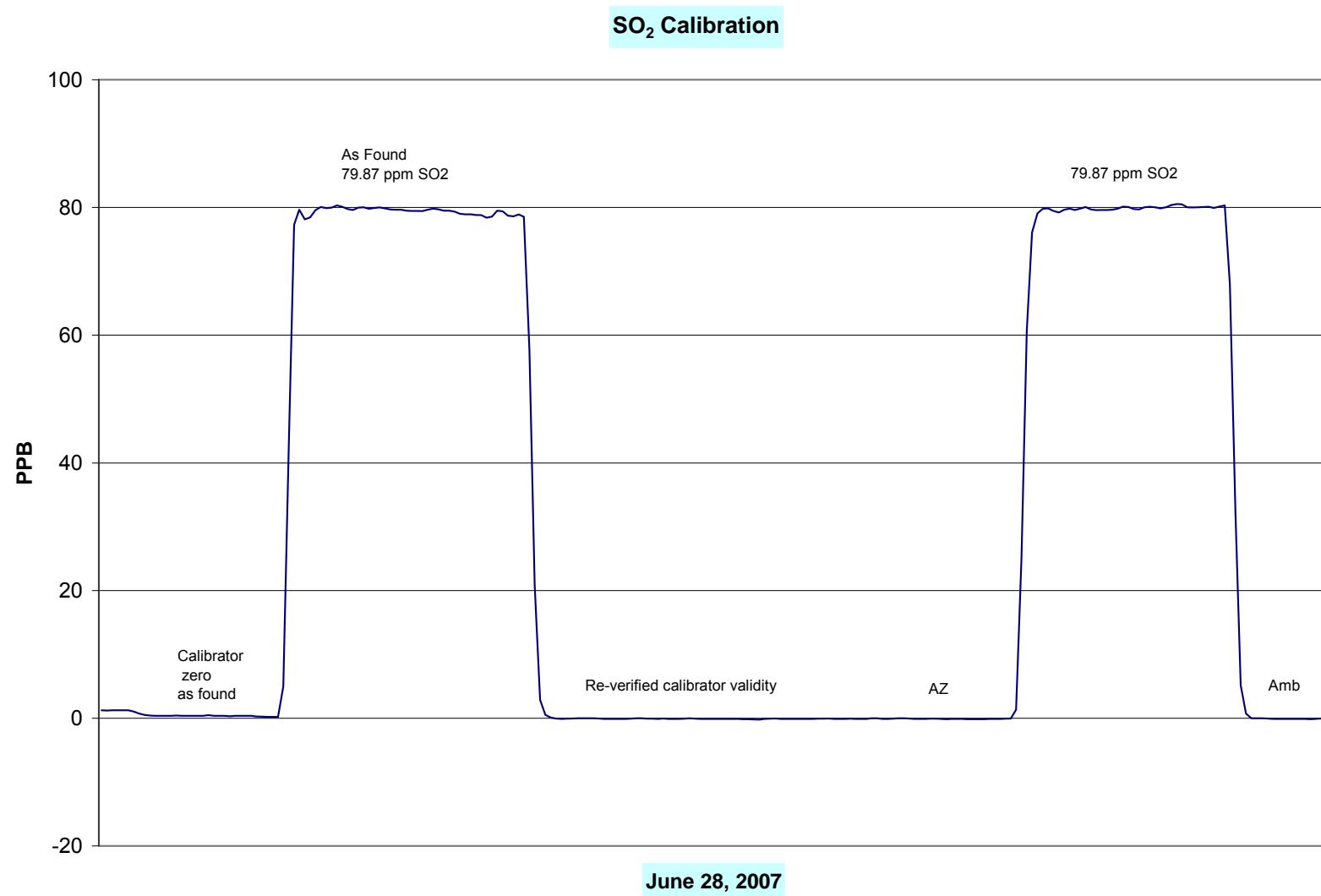
PASZA

Station Information			
Calibration Date	June 28, 2007	Previous Calibration	June 5, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	8:15	End Time (MST)	10:10
Analyzer make/model	TEI Model 43CTL	Analyzer serial #	43CTL-74200-376

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	-0.090	N/A		
79.786	79.896	0.9986	Correlation Coefficient	1.000000
			Slope	0.997500
			Intercept	0.089394

SO₂ Calibration Curve



Calibration Report

Parameter

NOx-NO-NO₂

Air Monitoring Network

PASZA



Station Information

Calibration Date	June 4, 2007	Previous Calibration	May 4, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	Routine	Installation	Removal
Start Time (MST)	12:00	End Time (MST)	15:38
Barometric Pressure	0.912	Atm	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2488
NO Cal Gas Conc	49.5 ppm	Cal Gas Expiry Date	2-Jan-09
NOx Cal Gas Conc	49.6 ppm	Cal Gas Serial #	FF-5013

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269
Parameter	NO2	NOx	NO
Before	Data Slope	0.987912	0.998066
	Data Offset	0.434379	0.359254
After	Data Slope	1.001682	1.001337
	Data Offset	-0.042277	0.354810
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	1.4	mV
NO coefficient	1.048		1.102	
NOx coefficient	1.007		0.999	
Box Temp	31.3	ccm	33.5	ccm
Chamber Temp	49.2	Deg C	49.2	Deg C
Cooler Temp	-2.1	Deg C	-2.2	Deg C
Converter Temp	324.0	Deg C	323.0	Deg C
Sample Flow	781.0	LPM	773.0	LPM
Ozonator Flow	0.098	LPM	0.086	LPM
Pressure	165.8	inches HG	166.9	inches Hg

Notes:

Calibration Report

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



Station Information

Calibration Date: **June 4, 2007** Station Location: **Beaverlodge**

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO2 conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO2 conc (ppb)	NOx Correction factor	NO Correction factor
zero	4996	0.00	0.0	0.0	0.0	-0.3	-0.3	-0.3	N/A	N/A
	4996	79.86	780.4	778.8	1.6	778.9	777.1	1.1	1.0018	1.0022
	4996	39.98	393.8	393.0	0.8	393.0	391.5	1.2	1.0019	1.0036
	4996	20.00	197.8	197.4	0.4	197.0	195.4	1.1	1.0040	1.0102
AFZ	4996	0.00	0.0	0.0	0.0	-0.3	-0.3	-0.3	0.0000	0.0000
	4996	79.86	780.4	778.8	1.6	748.0	740.1	7.1	1.0432	1.0523
							Average Correction Factor	1.0026	1.0053	

As Found Concentrations: NO_x= 748.7 NO= 741.4 As Found Percent Change NO_x= -4.1% NO= -4.8%

GPT Calibration Data

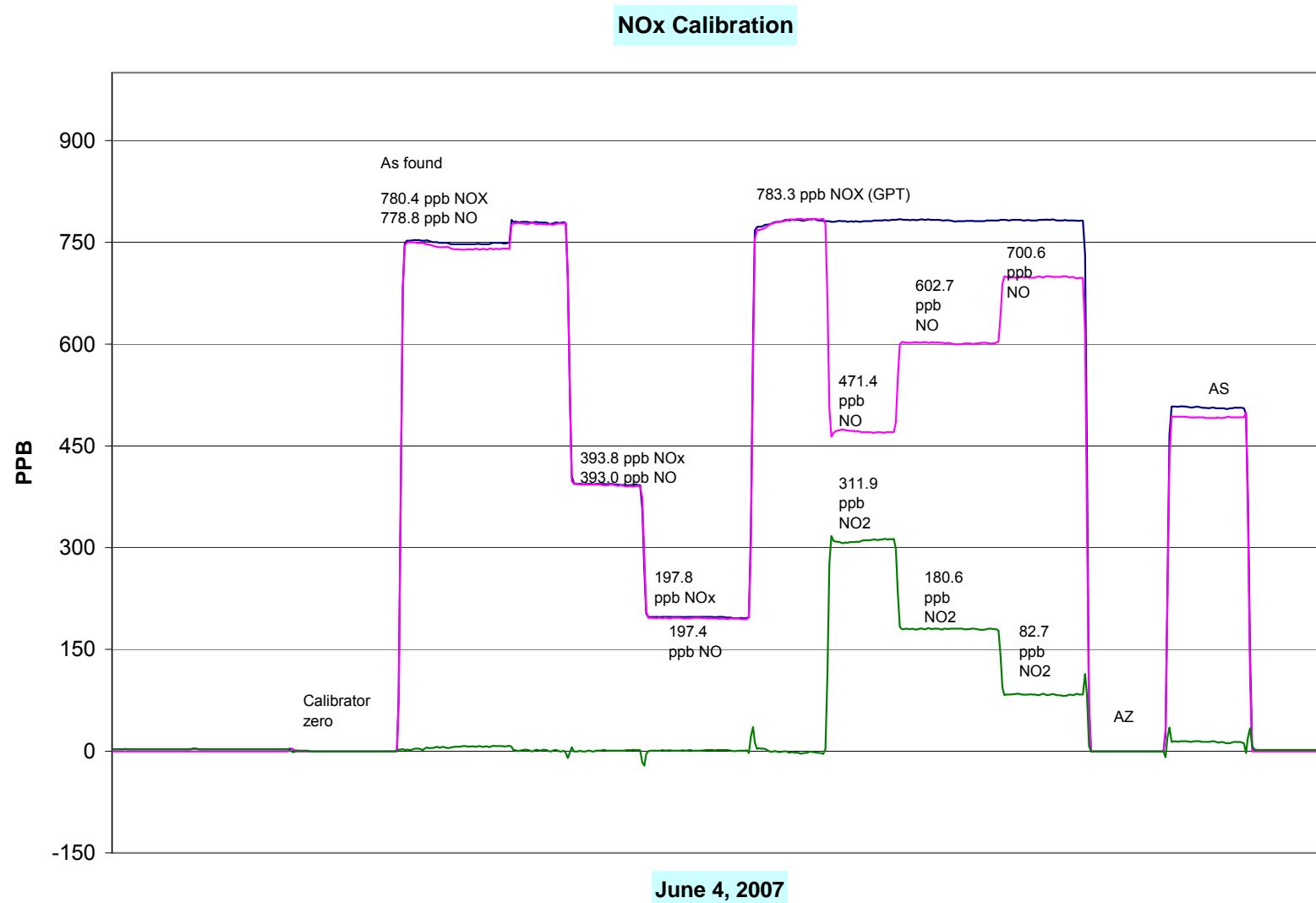
Dilution Flow **4993** ccm Source Gas Flow **39.97** ccm

O ₃ Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NOx 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	783.3	785.9	-2.6	782.8	783.9	-2.1	1.0006	1.0024	N/A	N/A	
350	783.3	471.4	311.9	781.7	469.8	311.4	1.0020	1.0032	1.0016	99.8%	
200	783.3	602.7	180.6	781.4	601.0	180.1	1.0024	1.0028	1.0030	99.7%	
100	783.3	700.6	82.7	782.5	698.8	83.2	1.0010	1.0026	0.9938	100.6%	
							Average Correction Factor	1.0018	1.0029	0.9994	100.1%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO ₂	NO	ppb	NOx	NO ₂	NO	ppb
Auto zero	0.1	0.2	0.7	ppb	0.1	-0.4	0.6	ppb
Auto span	491.3	16.1	476.3	ppb	506.6	13.1	493.3	ppb

Calibration Performed By: **Dawn Ewan**



Calibration Summary

Parameter

NO₂

Air Monitoring Network

PASZA

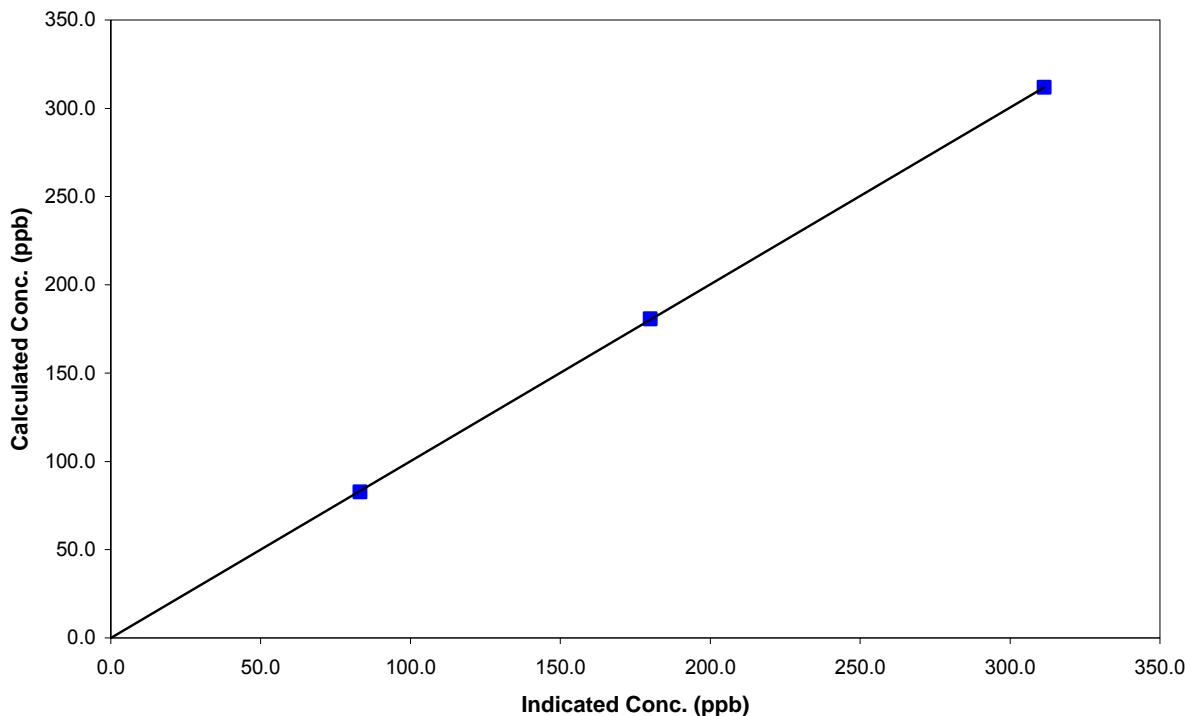
Station Information

Calibration Date	June 4, 2007	Previous Calibration	May 4, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:00	End Time (MST)	15:38
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	0.0000	Correlation Coefficient	0.999989
311.9	311.4	1.0016		
180.6	180.1	1.0030		
82.7	83.2	0.9938		
			Slope	1.001682
			Intercept	-0.042277

NO₂ Calibration Curve



Calibration Summary

Parameter

NO_x

Air Monitoring Network

PASZA

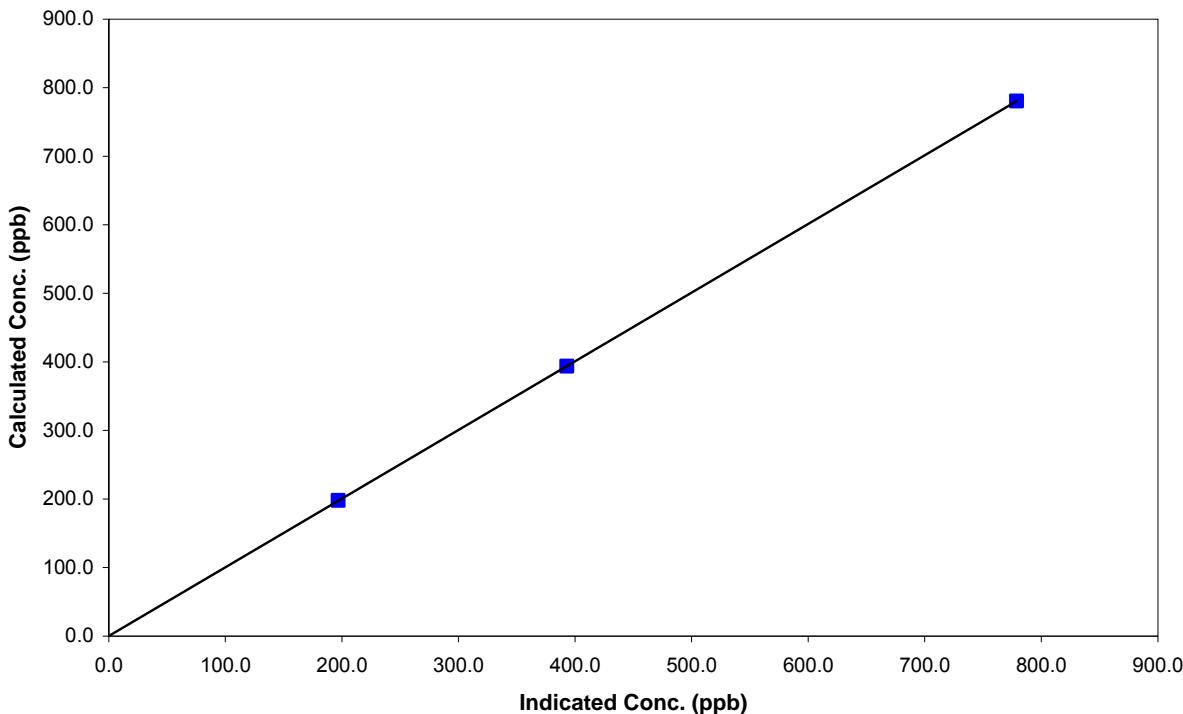
Station Information

Calibration Date	June 4, 2007	Previous Calibration	May 4, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:00	End Time (MST)	15:38
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	0.0000	Correlation Coefficient	1.000000
780.4	778.9	1.0018		
393.8	393.0	1.0019		
197.8	197.0	1.0040		
			Slope	1.001337
			Intercept	0.354810

NO_x Calibration Curve



Calibration Summary

Parameter **NO**
 Air Monitoring Network **PASZA**



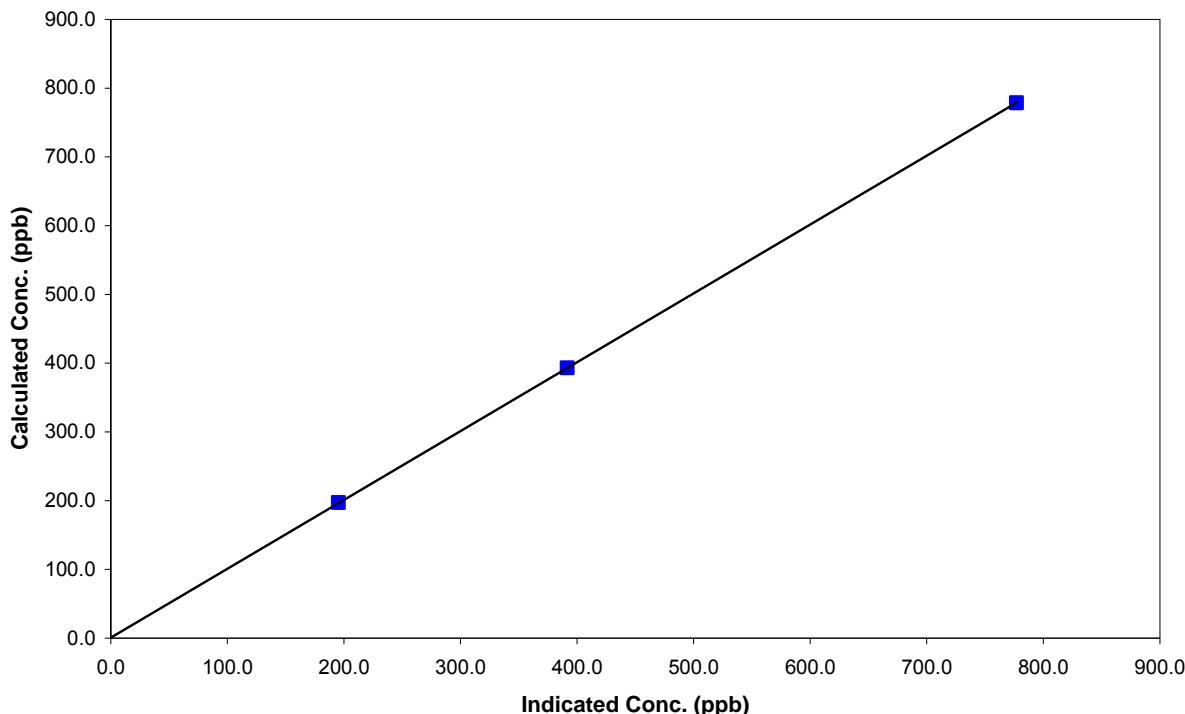
Station Information

Calibration Date	June 4, 2007	Previous Calibration	May 4, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:00	End Time (MST)	15:38
Analyzer make	TEI Model 42	Analyzer serial #	42-28486-231

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	N/A		
778.8	777.1	1.0022	Correlation Coefficient	0.999997
393.0	391.5	1.0036	Slope	1.001255
197.4	195.4	1.0102	Intercept	0.931745

NO Calibration Curve



Calibration ReportParameter O3

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 5, 2007	Previous Calibration	May 29, 2007
Station Number	4	Station Location	Beaverlodge
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	12:26	End Time (MST)	16:13
Barometric Pressure	0.908 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	1633
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45269
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	0.990475	Calculated slope	0.996422
Calculated intercept	14.632450	Calculated intercept	1.040351
Analyzer make	Teco 49C	Analyzer serial #	49C-76443-383
	before		after
Concentration range	0 - 500	ppb	0 - 500
offset	-0.20	ppb	-0.20
slope	1.043		0.995
Lamp temp	71	mV	71
Lamp Intensity A/B	83000/81000	mV	84200/82100
Pressure	692	inches Hg	581.4
Flow A	756	ccm	750
Flow B	712	Deg C	705

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4992	0.00	0.0	-0.3	N/A
4992	0.00	311.9	313.4	0.9954
4992	0.00	180.6	177.5	1.0175
4992	0.00	82.7	82.5	1.0019
4992	0.00	0.0	-0.3	As found zero
4992	0.00	311.9	325.0	As found span
		Average Correction Factor	1.0049	

Calculated value of As Found Response: 336.9 ppm Percent Change of As Found: 8.0%

Auto zero	before calibration		after calibration	
	14.6	ppb	1.1	ppb
	126.8	ppb	110.0	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter **O3**
 Air Monitoring Network **PASZA**

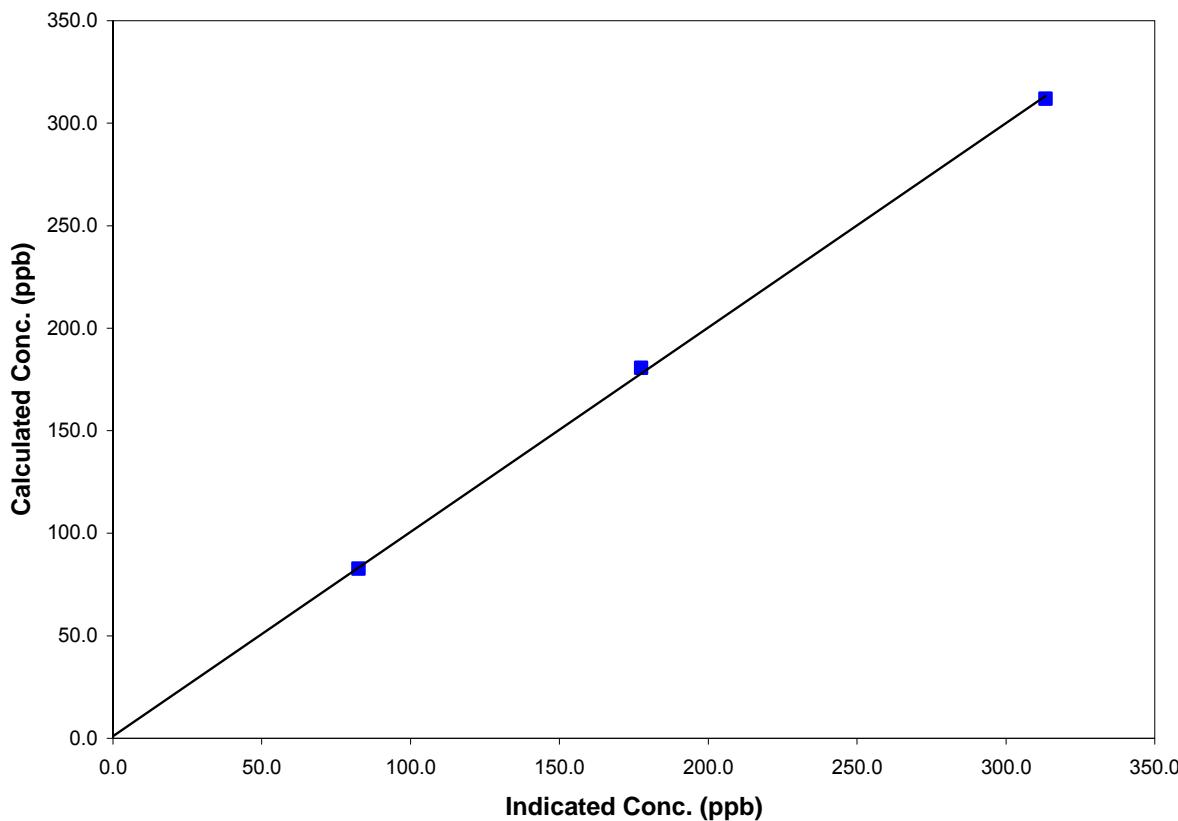


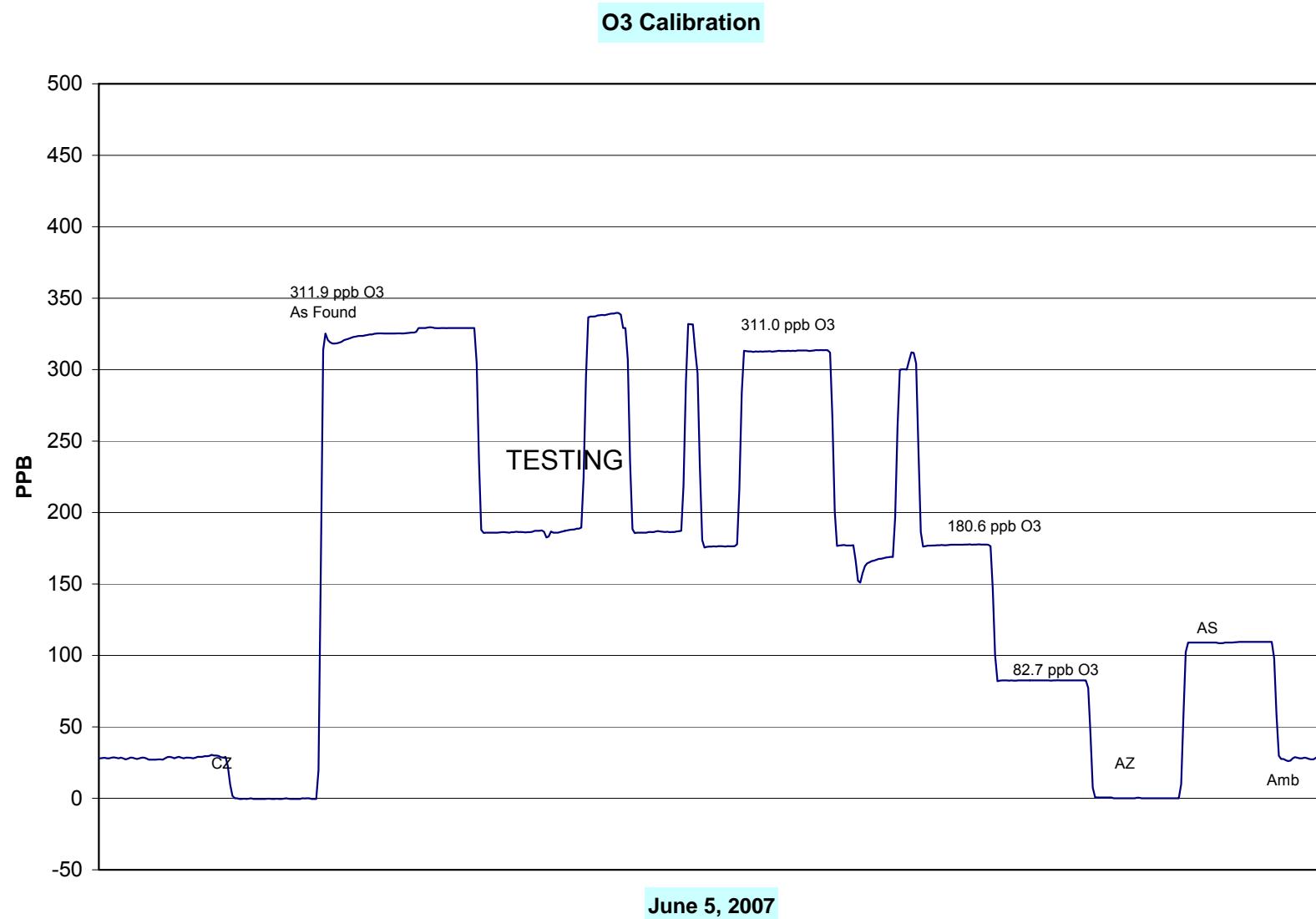
Station Information			
Calibration Date	June 5, 2007	Previous Calibration	May 29, 2007
Station Number	4	Station Location	Beaverlodge
Start Time (MST)	12:26	End Time (MST)	16:13
Analyzer make/model	Teco 49C	Analyzer serial #	49C-76443-383

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	NA		
311.9	313.4	0.9954	Correlation Coefficient	0.999814
180.6	177.5	1.0175	Slope	0.996422
82.7	82.5	1.0019	Intercept	1.040351

O3 Calibration Curve





Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007	
Station Number	1	Station Location	Falher	
Reason:	Routine	Install	Removal	
			Other:	
Start Time (MST)	15:40	End Time (MST)	19:26	
Barometric Pressure	27.5 inches Hg	Station Temperature	20.0 Deg C	
Calibrator	VICI Metronics	Serial Number	111-1695	
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006	
Correction factor	0.934802	Perm-tube Cert #	19-25218	
DACS make	Focus AP1000	DACS serial No.	52662	
DACS voltage range	0 - 10 volt	DACS channel #	5	
	Before		After	
Calculated slope	1.000484	Calculated slope	0.981359	
Calculated intercept	33.864094	Calculated intercept	8.147592	
Analyzer make	TEI Model 43C APS1AB	Analyzer serial #	609716238	
	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Background	8.2		8	
Coefficient	1.161		1.137	
UV Lamp voltage	748	V	742	V
Chamber Temperature	44.6	C	44.3	C
Perm gas Temp	45	C	45	C
Pressure	677.5	"Hg	695.2	"Hg
Sample Flow	488	LPM	498	LPM
Lamp Intensity	34000	Hz	34500	Hz

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2430.5	0.0	0.0	N/A
2600	2430.5	305.6	307.1	0.9953
5190	4851.6	153.1	142.8	1.0722
9500	8880.6	83.6	69.6	1.2018
zero	2430.5	0.0	0.0	As Found Zero
2600	2430.5	305.6	303.5	As Found Span
		Average Correction Factor	1.0898	

Calculated value of As Found Response: 337.464 ppm Percent Change of As Found: -10.4%

Auto zero	before calibration		after calibration	
	33.9	ppm	7.9	ppm
	326.4	ppm	296.8	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration SummaryParameter **SO₂**

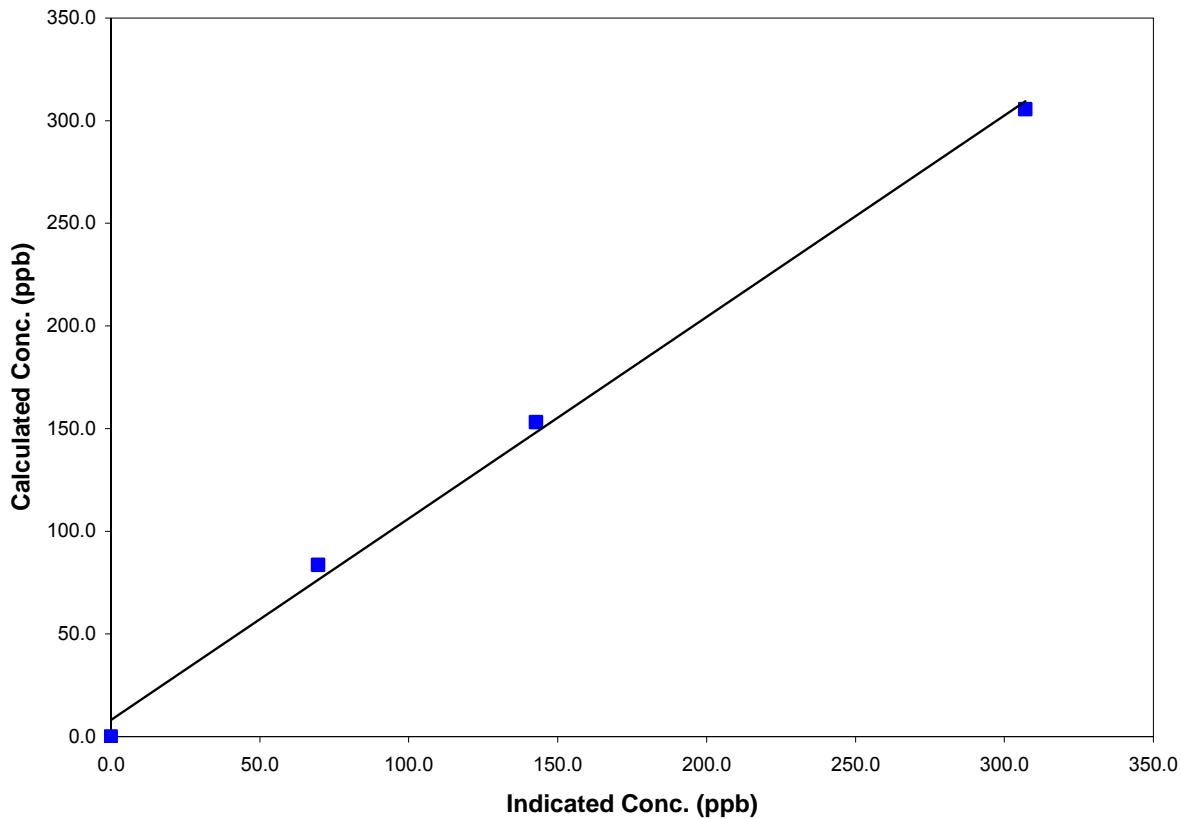
Air Monitoring Network

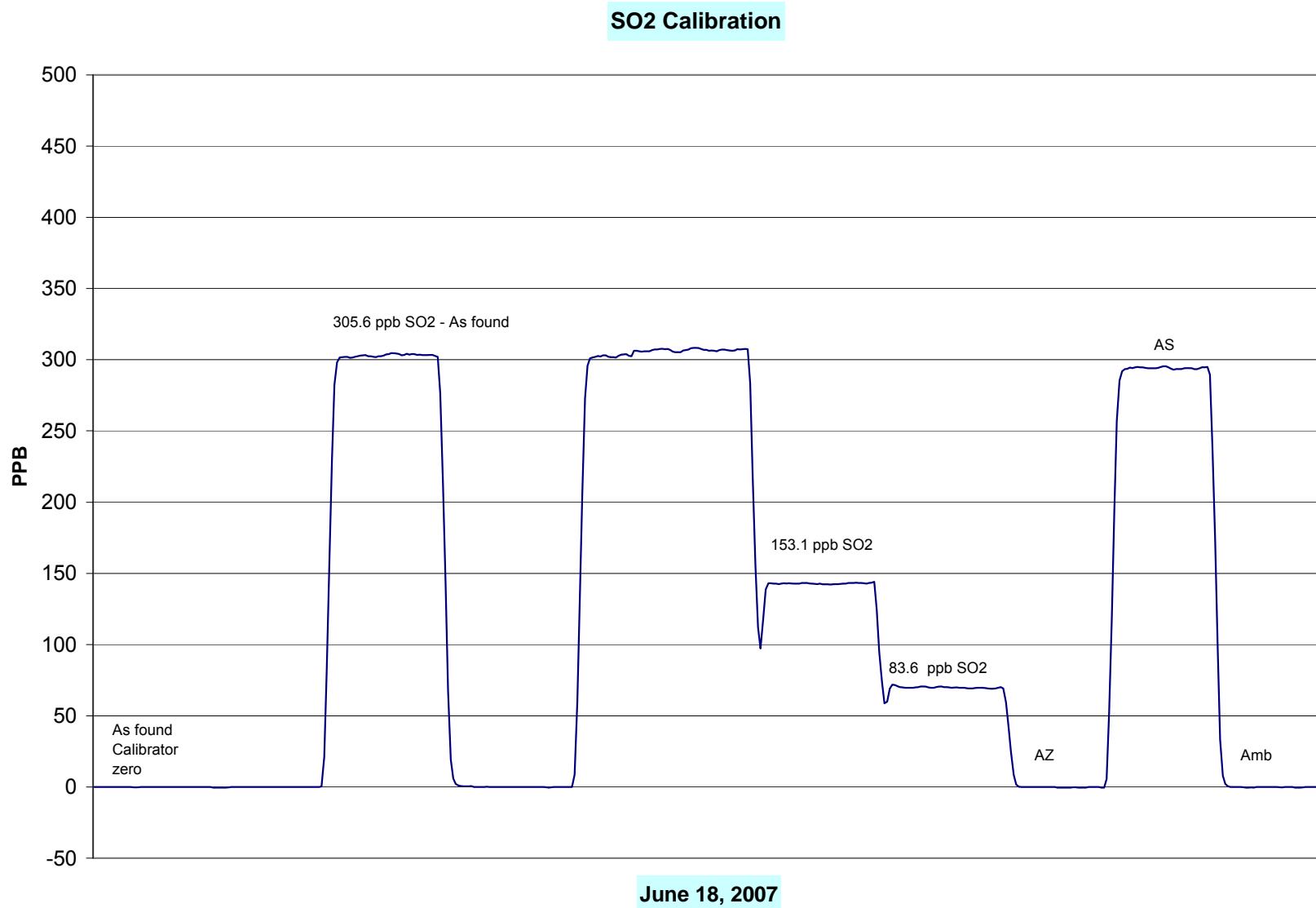
PASZA**Station Information**

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007
Station Number	1	Station Location	Falher
Start Time (MST)	15:40	End Time (MST)	19:26
Analyzer make/model	TEI Model 43C APS1AB	Analyzer serial #	609716238

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
305.6	307.1	0.9953	Correlation Coefficient	0.996889
153.1	142.8	1.0722	Slope	0.981359
83.6	69.6	1.2018	Intercept	8.147592

SO₂ Calibration Curve



Calibration Report

Parameter

TRS

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 18, 2007	Previous Calibration	May 24, 2007
Station Number	5	Station Location	Falher
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	15:40	End Time (MST)	19:26
Barometric Pressure	27.5 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	235 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.934802	Perm-tube Cert #	T-25214
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	6
	Before		After
Calculated slope	0.984786	Calculated slope	0.994414
Calculated intercept	1.515423	Calculated intercept	2.344321
Analyzer make	TEI Model 43C APS1AB	Analyzer serial #	609716238
before		after	
Concentration range	0 - 100 ppb	0 - 100 ppb	
Background coefficient	11 ppb	10.3 ppb	
Lamp Voltage	1.798	1.799	
Chamber Temp	808 volts	802 volts	
Perm Gas Temp	43.8 Deg C	43.8 Deg C	
Pressure	45 Deg C	45 Deg C	
Sample Flow	671.2 mm Hg	679.1 mm Hg	
Lamp Intensity	440 ccm	444 ccm	
	39,100 mv	39,400 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	2430.5	0.0	-0.4	N/A
2600	2430.5	69.5	68.5	1.0147
5190	4851.6	34.8	31.4	1.1084
9500	8880.6	19.0	15.1	1.2631
zero	2430.5	0.0	-1.1	As Found Zero
2600	2430.5	69.5	66.9	As Found Span
Average Correction Factor				1.1287

Calculated value of As Found Response: 68.49 ppm Percent Change of As Found: 1.5%

Auto zero	before calibration		after calibration	
	0.5 ppm	ppm	1.9 ppm	ppm
	88.6 ppm	ppm	92.0 ppm	ppm

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

TRS

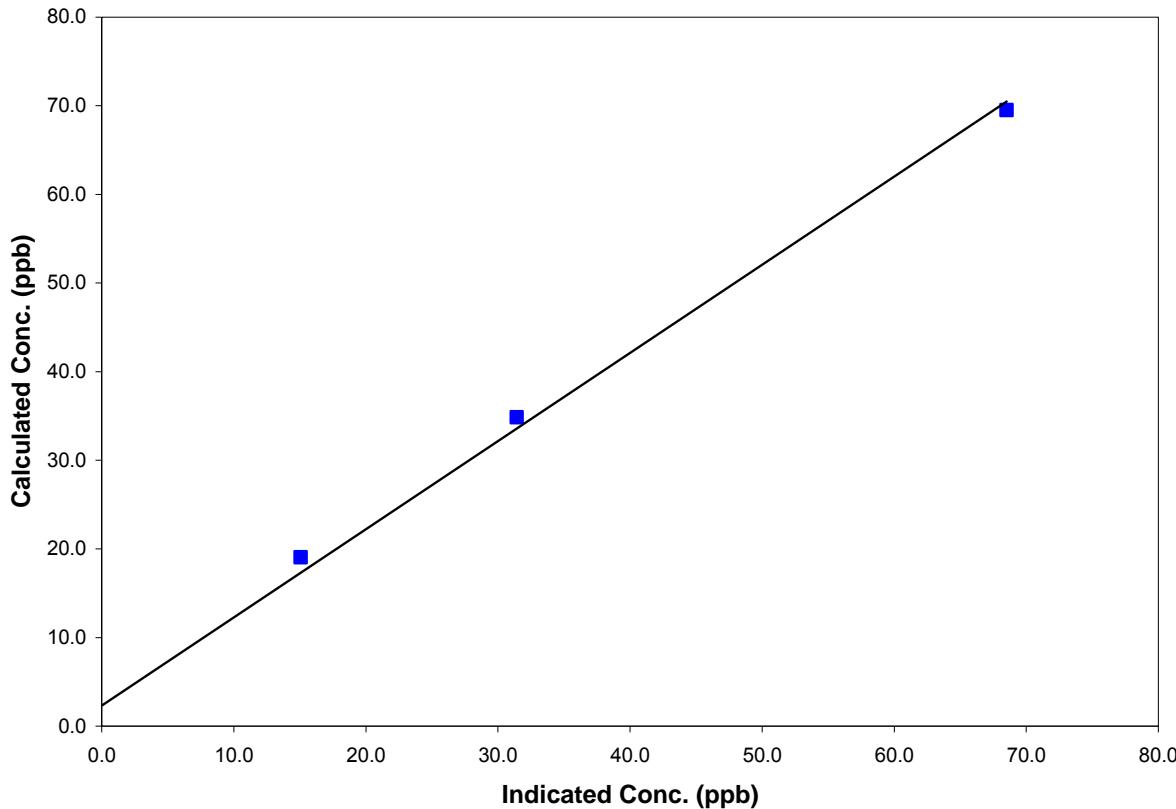
Air Monitoring Network

PASZA**Station Information**

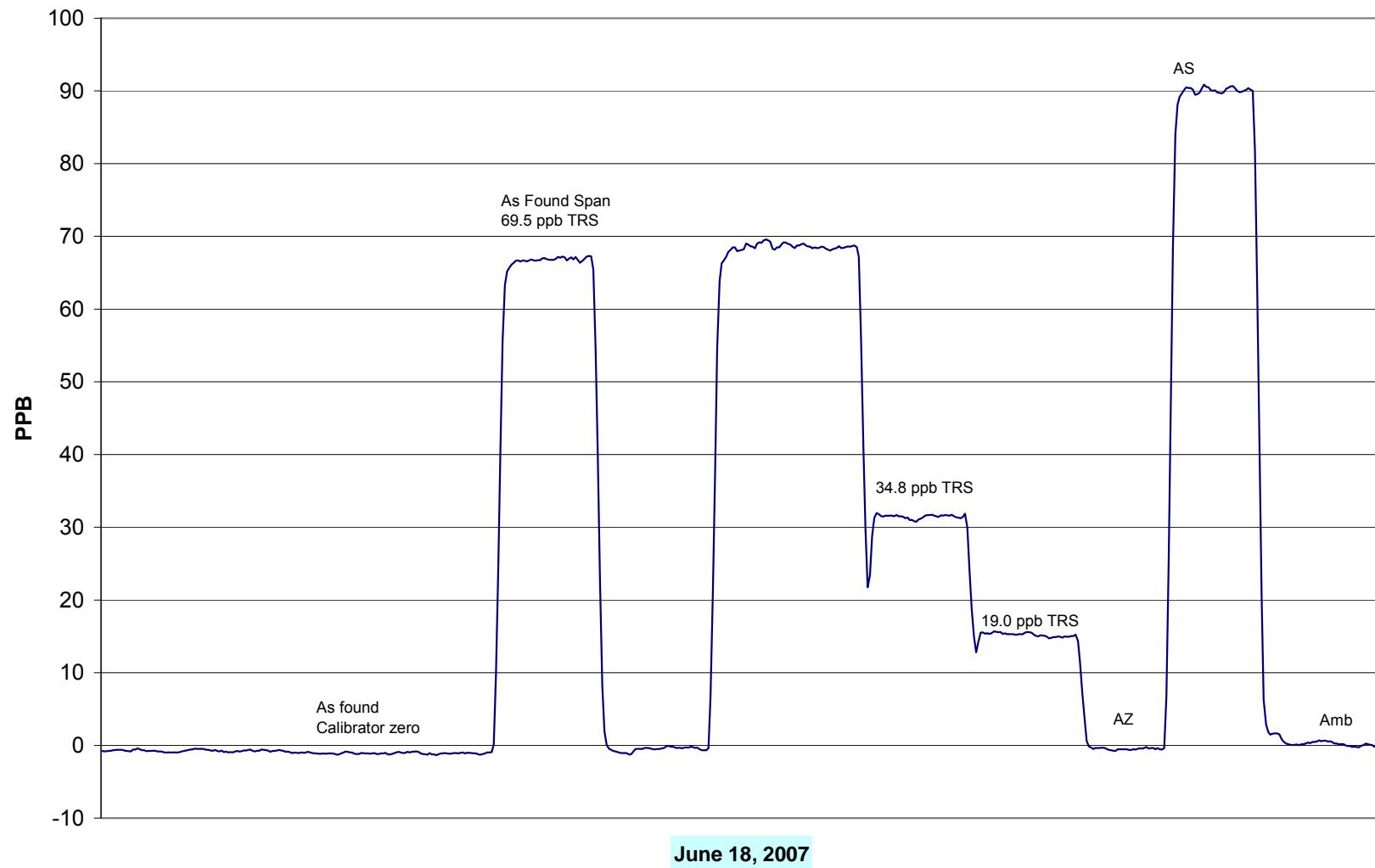
Calibration Date	June 18, 2007	Previous Calibration	May 24, 2007
Station Number	5	Station Location	Falher
Start Time (MST)	15:40	End Time (MST)	19:26
Analyzer make/model	TEI Model 43C APS1AB	Analyzer serial #	609716238

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.4	N/A		
69.5	68.5	1.0147	Correlation Coefficient	0.996434
34.8	31.4	1.1084	Slope	0.994414
19.0	15.1	1.2631	Intercept	2.344321

TRS Calibration Curve

TRS Calibration



Calibration ReportParameter O3

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 18, 2007	Previous Calibration	May 24, 2007
Station Number	6	Station Location	Falher
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	17:00	End Time (MST)	19:25
Barometric Pressure	0.920 atm	Station Temperature	20.0 Deg C
Calibrator	Environics 6103	Serial Number	2488
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	52662
DACS voltage range	0 - 1 volt	DACS channel #	7
	Before		After
Calculated slope	0.990756	Calculated slope	0.991835
Calculated intercept	2.450834	Calculated intercept	6.255458
Analyzer make	TEI 49C a3C1AB	Analyzer serial #	609716240
Concentration range offset slope Cell A Cell B Pressure Cell A Flow Cell B Flow	before	after	
	0 - 500	ppb	0 - 500 ppb
	0.2		0.2
	0.994		1.022
	79750	mV	81360 mV
	79350	mV	80638 mV
	704	inches Hg	687.7 inches Hg
	677	mL/min	667 mL/min
	678	mL/min	669 mL/min

Calibration Data

Dilution air flow rate (cc/min)	Source gas flow rate (cc/min)	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4996	0.00	0.0	-0.3	N/A
4996	0.00	322.1	322.9	0.9976
4996	0.00	193.2	182.9	1.0559
4996	0.00	95.2	84.7	1.1239
4996	0.00	0.0	-0.3	As found zero
4996	0.00	322.1	312.6	As found span
Average Correction Factor				1.0591

Calculated value of As Found Response: 312.5 ppm Percent Change of As Found: -3.0%

Auto zero Auto span	before calibration		after calibration	
	1.9	ppb	4.2	ppb
	315.0	ppb	320.1	ppb

Notes:

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

O3

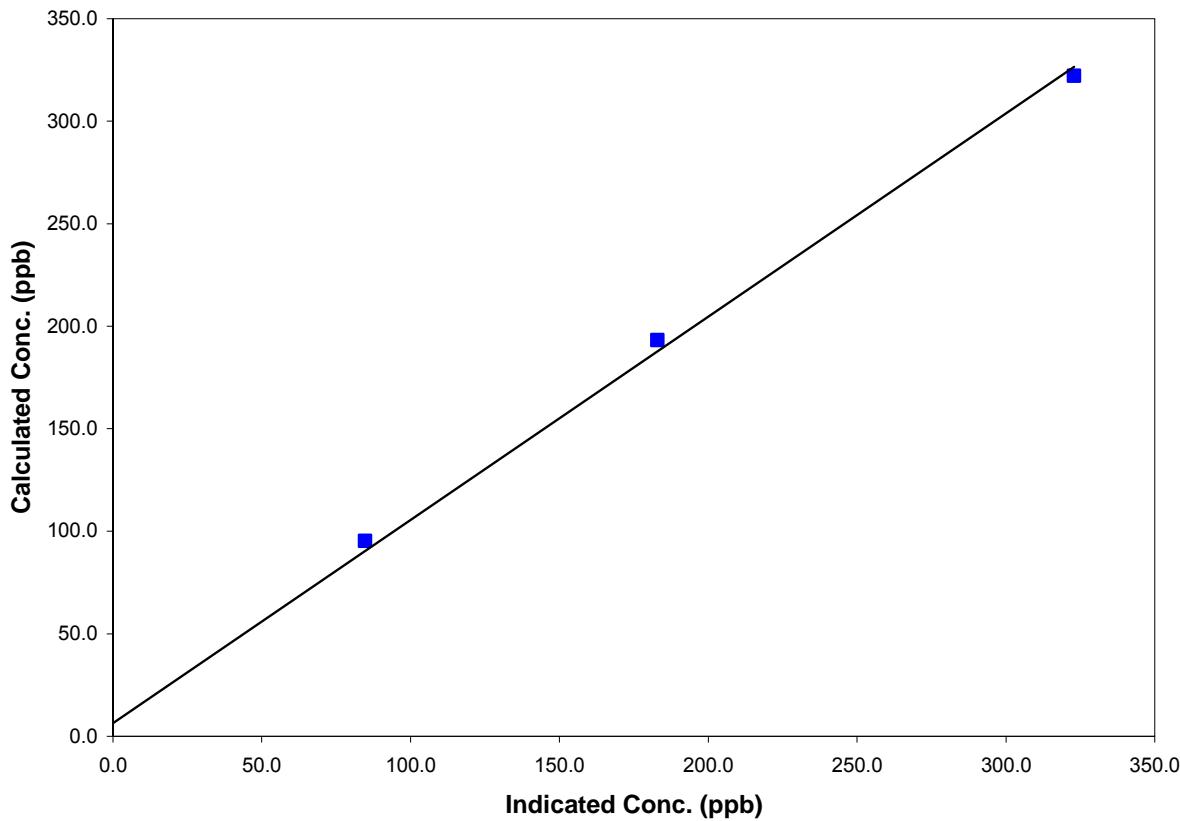
Air Monitoring Network

PASZA**Station Information**

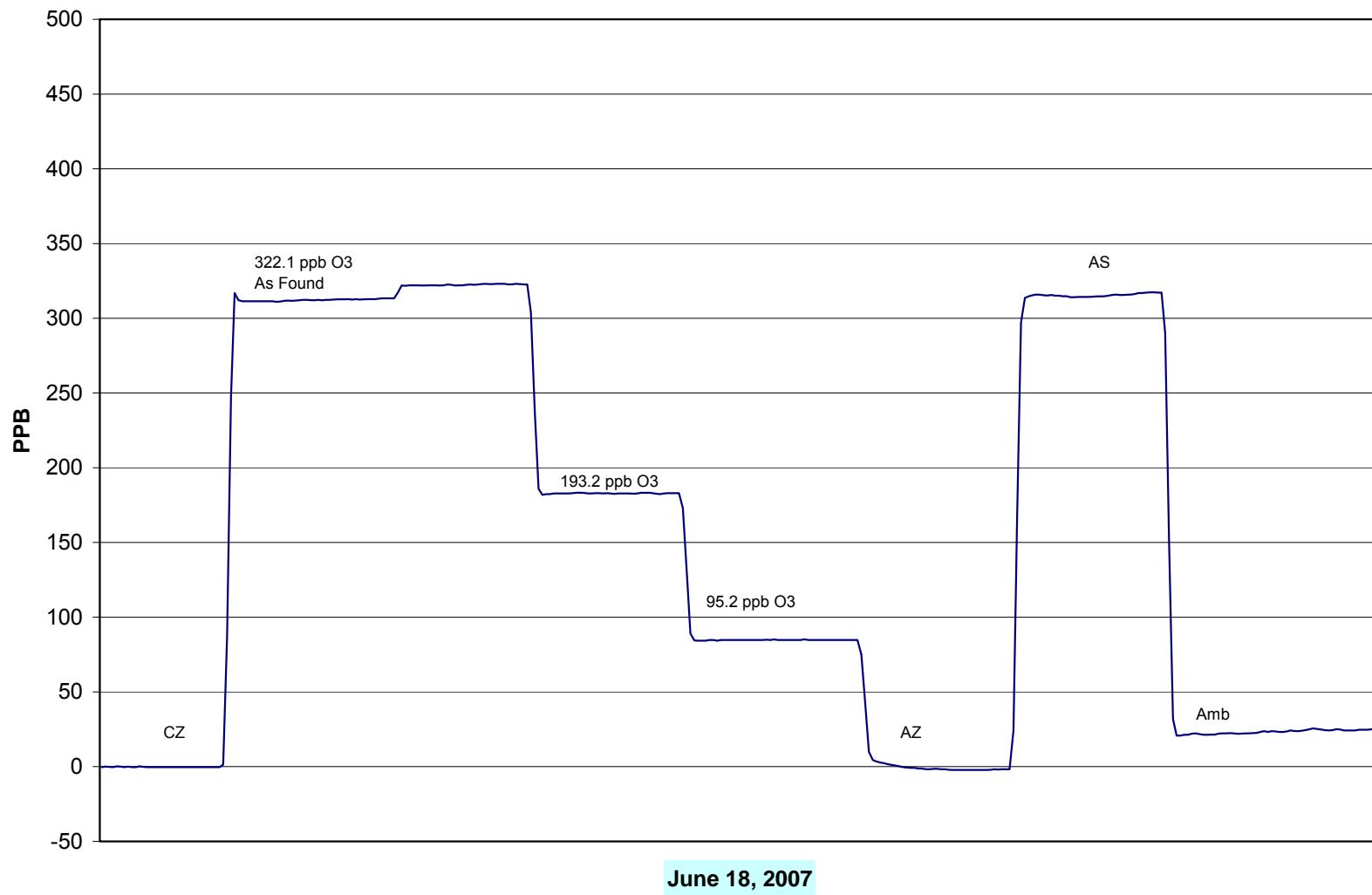
Calibration Date	June 18, 2007	Previous Calibration	May 24, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	17:00	End Time (MST)	19:25
Analyzer make/model	TEI 49C a3C1AB	Analyzer serial #	609716240

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-0.3	NA		
322.1	322.9	0.9976	Correlation Coefficient	0.998081
193.2	182.9	1.0559	Slope	0.991835
95.2	84.7	1.1239	Intercept	6.255458

O3 Calibration Curve

O3 Calibration



June 18, 2007

Calibration Report

Parameter

NOx-NO-NO₂

Air Monitoring Network

PASZA



Station Information

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007
Station Number	6	Station Location	Falher
Reason:	Routine	Installation	Removal
Start Time (MST)	11:17	End Time (MST)	15:20
Barometric Pressure	0.930	Atm	20.0
Calibrator	Environics 6103	Serial Number	2844
NO Cal Gas Conc	49.5	Cal Gas Expiry Date	2-Jan-09
NOx Cal Gas Conc	49.6	Cal Gas Serial #	FF-5013

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45269
Parameter	NO2	NOx	NO
Before	Data Slope	1.001368	1.000833
	Data Offset	-0.919945	-3.559717
After	Data Slope	0.996721	1.000107
	Data Offset	-1.394613	-3.692769
Channel #	8	6	7
Voltage Range	0 - 10 VDC	0 - 10 VDC	0 - 10 VDC

Analyzer Information

Analyzer make/model Teco 42i Analyzer serial # 701120011

Test Point	before		after	
Concentration range	0-1000	ppb	0-1000	ppb
NO background	6.3	ppb	4.6	mV
NOx background	6.7	ppb	4.8	mV
NO coefficient	1.232		0.643	
NOx coefficient	1.001		0.996	
Chamber Temp	50.0	Deg C	50.0	Deg C
Cooler Temp	-2.7	Deg C	-3.1	Deg C
Converter Temp	326.0	Deg C	325.0	Deg C
Flow	467.0	mm Hg	702.0	cc/min

Notes:

Calibration Report

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



Station Information

Calibration Date: **June 18, 2007**

Station Location:

Falher

Calibration Data

	Dilution flow rate (ccm)	Source gas flow rate (ccm)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NOx Correction factor	NO Correction factor	
zero	4992	0.00	0.0	0.0	0.0	1.1	0.8	0.5	N/A	N/A	
	4992	80.00	782.3	780.8	1.6	784.3	781.8	4.1	0.9974	0.9987	
	4992	39.93	393.6	392.8	0.8	399.3	397.8	3.2	0.9857	0.9874	
	4992	19.91	197.0	196.6	0.4	202.9	201.8	2.6	0.9711	0.9744	
AFZ	4992	0.00	0.0	0.0	0.0	0.3	0.1	0.5	0.0000	0.0000	
	4992	80.00	782.3	780.8	1.6	771.5	769.9	3.3	1.0140	1.0141	
							Average Correction Factor	0.9848	0.9868		

As Found Concentrations: NO_x= 767.7 NO= 765.7 As Found Percent Change NO_x= -1.9% NO= -1.9%

GPT Calibration Data

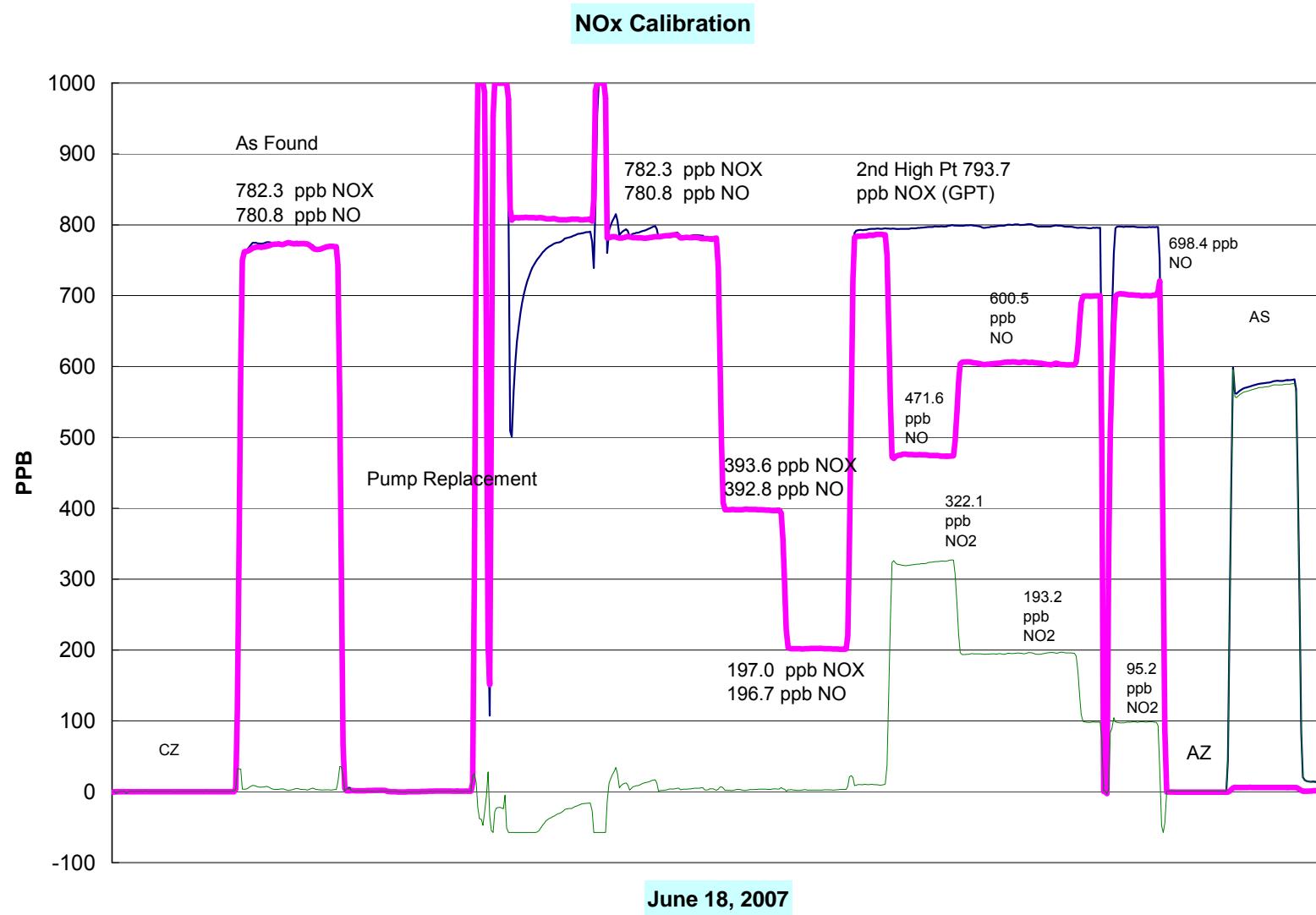
Dilution Flow **4993** ccm Source Gas Flow **39.97** ccm

O ₃ Setpoint (ppb)	Calculated NOx conc (ppb)	Calculated NO conc (ppb)	Calculated NO ₂ conc (ppb)	Indicated NOx conc (ppb)	Indicated NO conc (ppb)	Indicated NO ₂ conc (ppb)	NOx 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	793.7	782.3	11.3	793.3	784.9	9.9	1.0005	0.9967	N/A	N/A	
350	793.7	471.6	322.1	797.2	474.4	324.0	0.9956	0.9939	0.9942	100.6%	
200	793.7	600.5	193.2	797.7	603.3	195.6	0.9949	0.9954	0.9873	101.3%	
100	793.7	698.4	95.2	796.9	701.1	98.0	0.9959	0.9962	0.9719	102.9%	
							Average Correction Factor	0.9955	0.9952	0.9845	101.6%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO ₂	NO	ppb	NOx	NO ₂	NO	ppb
Auto zero	1.3	0.6	1.1	ppb	1.1	0.3	3.1	ppb
Auto span	576.2	572.6	2.8	ppb	575.3	570.2	2.6	ppb

Calibration Performed By: Dawn Ewan



Calibration Summary

Parameter **NO₂**
 Air Monitoring Network **PASZA**



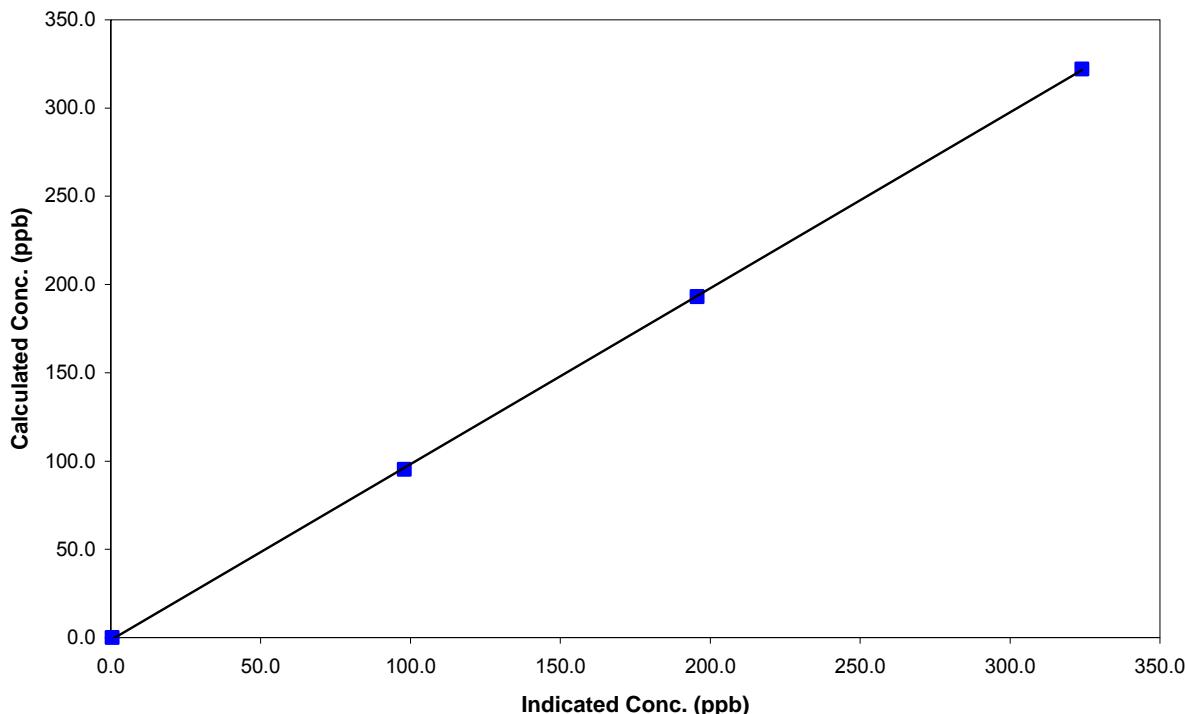
Station Information

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	11:17	End Time (MST)	15:20
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.5	0.0000	Correlation Coefficient	0.999958
322.1	324.0	0.9942		
193.2	195.6	0.9873		
95.2	98.0	0.9719		
			Slope	0.996721
			Intercept	-1.394613

NO₂ Calibration Curve



Calibration Summary

Parameter

NO_x

Air Monitoring Network

PASZA

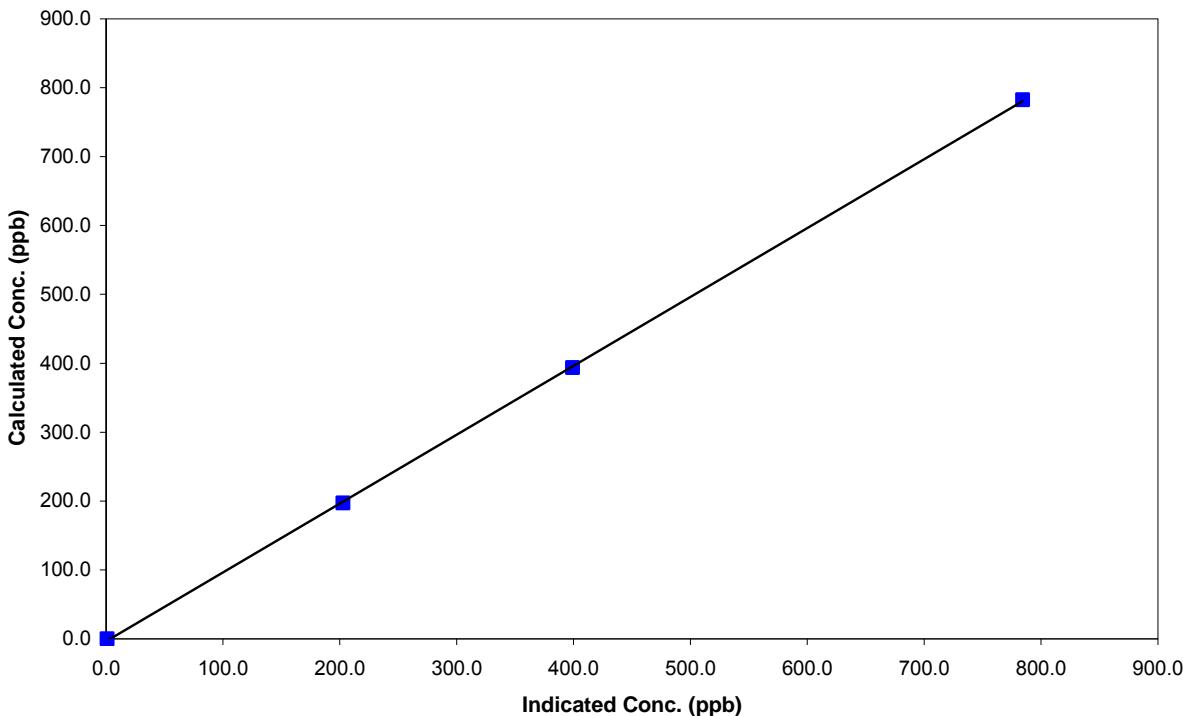
Station Information

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	11:17	End Time (MST)	15:20
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	1.1	0.0000	Correlation Coefficient	0.999945
782.3	784.3	0.9974		
393.6	399.3	0.9857		
197.0	202.9	0.9711		
			Slope	1.000107
			Intercept	-3.692769

NOx Calibration Curve



Calibration Summary

Parameter

NO

Air Monitoring Network

PASZA

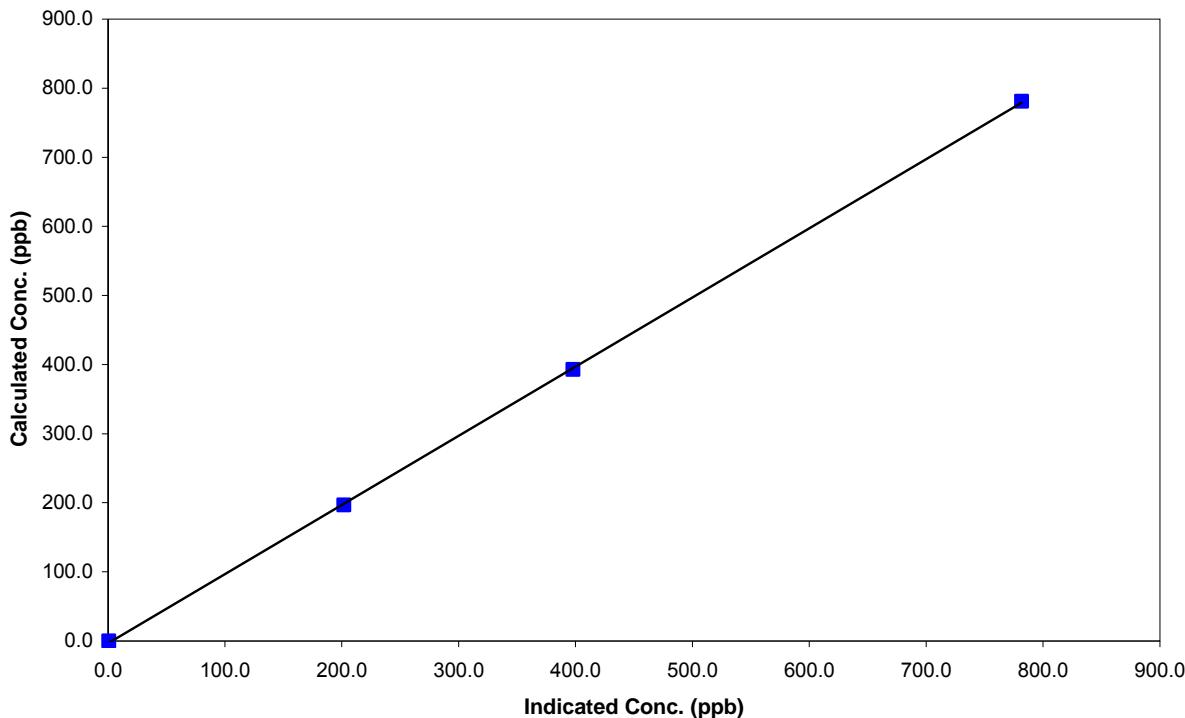
Station Information

Calibration Date	June 18, 2007	Previous Calibration	May 23, 2007
Station Number	6	Station Location	Falher
Start Time (MST)	11:17	End Time (MST)	15:20
Analyzer make	Teco 42i	Analyzer serial #	701120011

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.8	N/A		
780.8	781.8	0.9987	Correlation Coefficient	0.999949
392.8	397.8	0.9874	Slope	1.000921
196.6	201.8	0.9744	Intercept	-3.317014

NO Calibration Curve



Calibration Report

Parameter

SO₂

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 20, 2007	Previous Calibration	May 2, 2007
Station Number	5	Station Location	Valleyview
Reason:	Routine	Install	Removal
Start Time (MST)	11:46	End Time (MST)	14:25
Barometric Pressure	27.6 inches Hg	Station Temperature	20.0 Deg C
Calibrator	VICI Metronics	Serial Number	111-1695
Perm-tube Conc	1,946 ng/min	Perm-tube Date	8/8/2006
Correction factor	0.938202	Perm-tube Cert #	19-25218
DACS make	Focus AP1000	DACS serial No.	45274
DACS voltage range	0 - 10 volt	DACS channel #	4
	Before		After
Calculated slope	0.987242	Calculated slope	1.000865
Calculated intercept	1.643490	Calculated intercept	2.690786
Analyzer make	Teco 43C	Analyzer serial #	43C-57351-313
	before		after
Concentration range	1000 ppb	1000 ppb	
Background coefficient	29.8 ppb	29 ppb	
Lamp Voltage	0.772	0.772	
Chamber Temp	693 volts	693 volts	
Pressure	44.4 Deg C	44.7 Deg C	
Sample Flow	45	45	
Lamp Intesity	645.1 mm Hg	623.4 mm Hg	
	473 ccm	466 ccm	
	45600 mv	45300 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	2429.9	0.0	-1.3	N/A
2590	2429.9	305.7	303.0	1.0088
4980	4672.2	159.0	157.0	1.0124
8520	7993.5	92.9	87.6	1.0608
zero	2429.9	0.0	-1.3	As Found Zero
2590	2429.9	305.7	303.0	As Found Span
		Average Correction Factor	1.0273	

Calculated value of As Found Response:

302.080 ppm

Percent Change of As Found: 1.2%

	before calibration		after calibration
Auto zero	1.3 ppm		1.4 ppm
Auto span	944.9 ppm		976.9 ppm

Notes: No adjustments

Calibration Performed By: Dawn Ewan

Calibration SummaryParameter **SO₂**

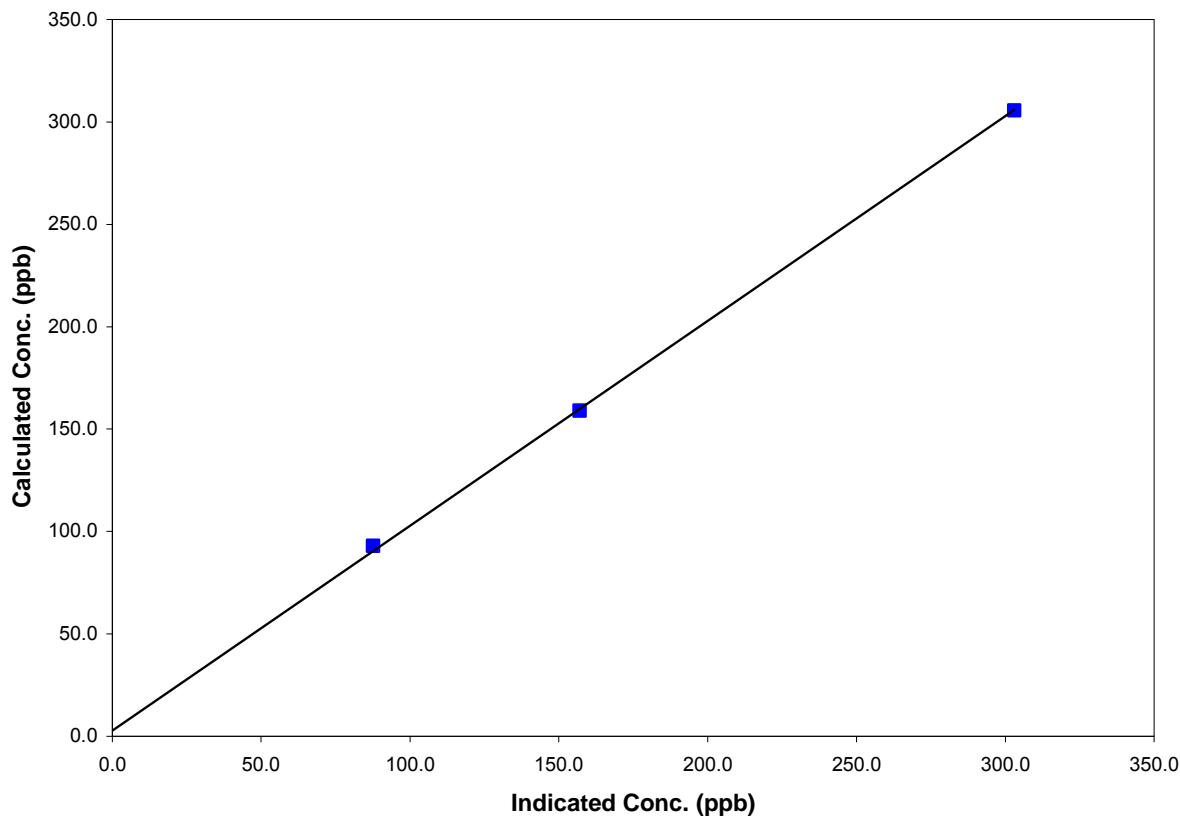
Air Monitoring Network

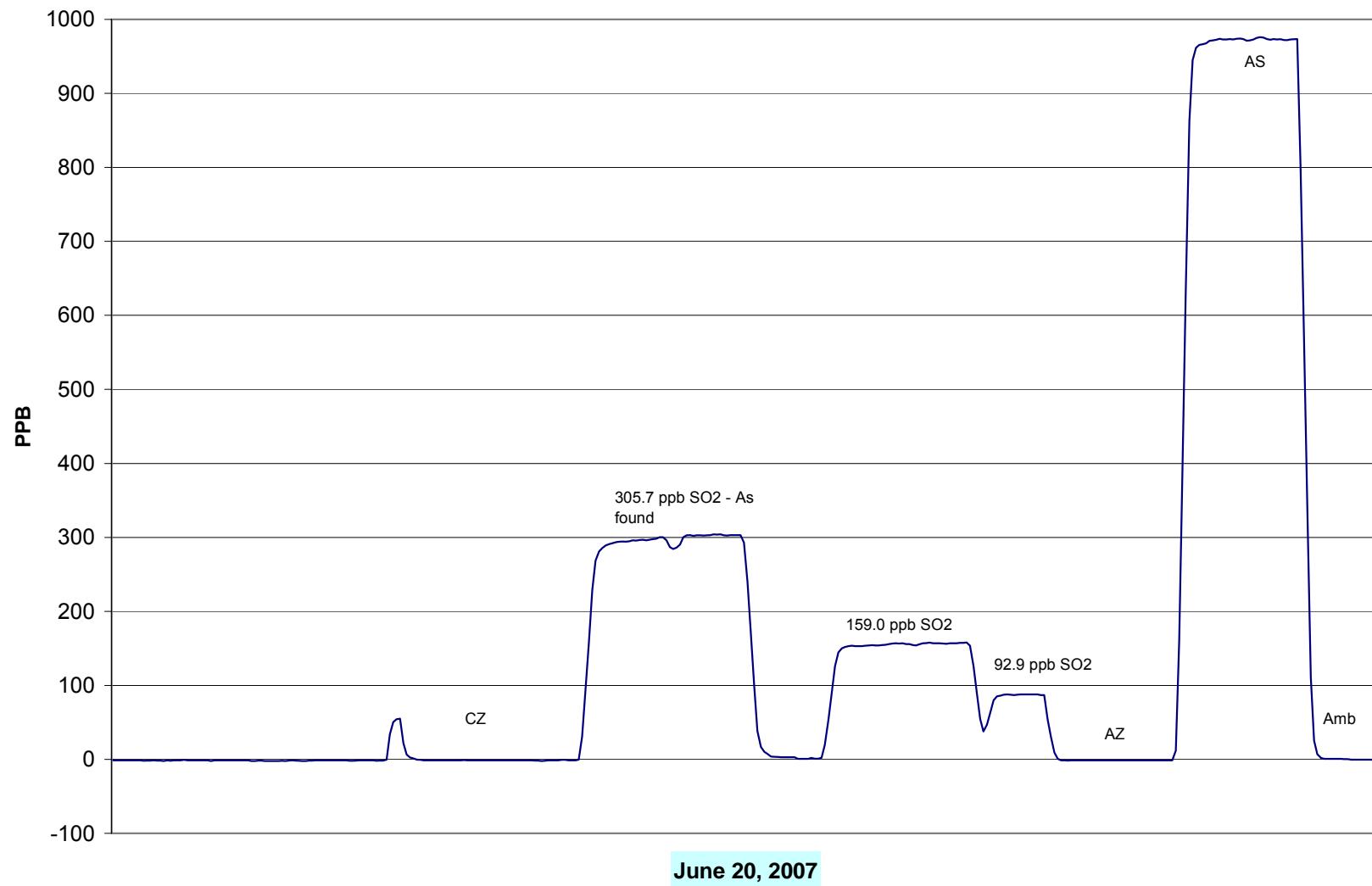
PASZA**Station Information**

Calibration Date	June 20, 2007	Previous Calibration	May 2, 2007
Station Number	5	Station Location	Valleyview
Start Time (MST)	11:46	End Time (MST)	14:25
Analyzer make/model	Teco 43C	Analyzer serial #	43C-57351-313

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-1.3	N/A		
305.7	303.0	1.0088	Correlation Coefficient	0.999812
159.0	157.0	1.0124	Slope	1.000865
92.9	87.6	1.0608	Intercept	2.690786

SO₂ Calibration Curve

SO₂ Calibration**June 20, 2007**

Calibration Report

Parameter

H2S

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 20, 2007	Previous Calibration	May 2, 2007
Station Number	5	Station Location	Valleyview
Reason:	Routine	Install	Removal
			Other:
Start Time (MST)	11:46	End Time (MST)	17:39
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
	Before		After
Calculated slope	0.985104	Calculated slope	0.940100
Calculated intercept	0.315846	Calculated intercept	0.654016

Analyzer make	43I	Analyzer serial #	701120010
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Concentration range	before		after	
	100	ppb	100	ppb
Background coefficient	6.1	ppb	6.2	ppb
Lamp Voltage	1.374		1.374	
Chamber Temp	812	volts	819	volts
Perm oven temp	45	Deg C	45.2	Deg C
Pressure	45		45	
Sample Flow	658.2	mm Hg	642	mm Hg
Lamp Intesity	442	ccm	429	ccm
	92	%	91	%

Calibration Data

Dilution air flow rate (cc/min)	Corrected gas flow rate (cc/min)	Calculated concentration (ppb) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
zero	2429.9	0.0	0.0	N/A
2590	2429.9	69.5	73.6	0.9453
4980	4672.2	36.2	37.7	0.9598
8520	7993.5	21.1	20.9	1.0096
zero	2429.9	0.0	0.0	As Found Zero
2590	2429.9	69.5	73.6	As Found Span
Average Correction Factor				0.9715

Calculated value of As Found Response: 72.82 ppm Percent Change of As Found: -4.7%

Auto zero	before calibration		after calibration	
	0.3	ppm	0.6	ppm
	84.8	ppm	81.4	ppm

Notes: _____

Calibration Performed By: Dawn Ewan

Calibration Summary

Parameter

H2S

Air Monitoring Network

PASZA**Station Information**

Calibration Date	June 20, 2007	Previous Calibration	May 2, 2007
Station Number	5	Station Location	Valleyview
Start Time (MST)	11:46	End Time (MST)	17:39
Analyzer make/model	43I	Analyzer serial #	701120010

Calibration Data

Calculated concentration (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	0.0	N/A		
69.5	73.6	0.9453	Correlation Coefficient	0.999571
36.2	37.7	0.9598	Slope	0.940100
21.1	20.9	1.0096	Intercept	0.654016

H2S Calibration Curve