Palliser Airshed Society

Ambient Air Monitoring Network Summary

June 2007

Prepared By:

FOCUS
AIR QUALITY MONITORING

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July 9, 2007

Alberta Environment
12th Floor, Oxbridge Place
9820-106 Street
Edmonton Alberta T6B 2X3

Attention: Director of Monitoring and Evaluation

RE: Palliser Airshed Society (PAS) Ambient Air Monitoring Report – June 2007

Enclosed is the PAS Ambient Monitoring Report for the month of **June 2007**.

Continuous Monitoring – Crescent Heights
Included in this report are; monthly sampling table, detailed hourly average reports and multipoint calibration reports of all instruments. The measured ambient air quality was within the Provincial and Federal guidelines with no exceedences recorded. Operational uptime of all instruments was above 95% for the month of June.

The following is a summary of the monthly averages recorded during sampling:

- Monthly average concentrations of NO_2 was 5.6 ppb
- Monthly average concentrations for O_3 was 31.7 ppb
- Monthly average concentrations for CO was 0.17 ppm
- Monthly average concentrations for THC was 1.93 ppm
- Monthly average concentrations for $PM_{2.5}$ was 4.0 µg/m³

The Air Quality Index (AQI) recorded 616 hours of Good readings and 49 hours of Fair readings for the month of June.

Passive Monitoring – Six Sites throughout the PAS zone:
The passive sample analyses were performed by MAXXAM Analytics Inc. The following are the ranges for June 2007 recorded by the six passive stations located throughout the PAS zone.

- Average concentrations for SO_2 passives ranged from 0.2 to 0.4 ppb with a mean of 0.3 ppb.
- Average concentrations for NO_2 passives ranged from 2.9 to 4.3 ppb with a mean of 4.0 ppb.
- Average concentrations for O_3 passives ranged from 30.3 to 42.6 ppb with a mean of 35.6 ppb.

The NO_2 and SO_2 Provincial Annual Objectives are included with the passive figures to provide a quick comparison for the reader of the ambient data and the objective.

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

Sharon Whiteley, B.Sc.
AQM Data Specialist

Barb Johnson, E.I.T.
AQM Project Coordinator

Continuous Monitoring

Ambient Air Monitoring Network

Crescent Heights Station

General Station Issues

Calibrations were performed on June 26th (NO_X, THC and TEOM) and June 27th (CO and O_3). On June 27th the manifold was cleaned, one hour of maintenance was flagged for the NO_X and THC analyzers.

Parameter	Make	Model	Units	Notes
Ozone	Teledyne - API	400E	ppb	No operational issues observed.
Nitrogen Dioxide	Teledyne - API	200E	ppb	On June 27th the manifold was cleaned, one hour of maintenance was flagged for the NO_X analyzer. No other operational issues observed
Total Hydrocarbons	Bendix	400A	ppm	On June 27th the manifold was cleaned, one hour of maintenance was flagged for the THC analyzer. No other operational issues observed.
Carbon Monoxide	TEI	49C	ppm	No spans June 14th to the 20th due to a leak in the span cylinder, the cylinder was replaced on June 20th.
$PM_{2.5}$	R&P TEOM	1400ab	$\mu g/m^3$	No operational issues observed.
Wind Speed	Met One	010C	kph	No operational issues observed.
Wind Direction	Met One	020C	Deg	No operational issues observed.
Ambient Temperature	Met One	083D	DegC	No operational issues observed.
Relative Humidity	Met One	083D	%	No operational issues observed.
Solar Radiation	Met One	096-1	W/m^2	No operational issues observed.
Data Acquisition System	Titan Logix	AP1000		No operational issues observed.

June 2007 Monthly Overall Summary Report
Ambient Air Quality Data

Jun-2007	Palliser Airshed Society						Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
Pollutant	**Objectives**		**Station**	**Monthly**	**Exceedence**		Conc	Day	WSPD	WDIR	Conc	Day	**Operational**
(units)	1-hr	24-hr		**Average**	1-hr	24-hr			(km/hr)	(Sector)			**Time (%)**
NO (**ppb**)			Crescent Heights	1.7	-	-	27.9	Jun-01 05:00	3.8	ESE	5.0	Jun-01	99.9%
NO_2 (**ppb**)	212	106	Crescent Heights	5.6	0	0	26.9	Jun-03 03:00	5.3	ESE	11.0	Jun-03	99.9%
NO_X (**ppb**)			Crescent Heights	7.1	-	-	52.4	Jun-03 02:00	2.9	ESE	15.6	Jun-03	99.9%
O_3 (**ppb**)	82		Crescent Heights	31.7	0	-	64.0	Jun-03 14:00	6.5	E	42.1	Jun-23	100.0%
O_3 (**ppb**) - **8-hr**	65		Crescent Heights		0						57.8	Jun-02	
CO (**ppm**)	13		Crescent Heights	0.17	0	-	0.3	Jun-01 08:00	4.1	SSE	0.2	Jun-03	100.0%
CO (**ppm**) - **8-hr**	5		Crescent Heights		0						0.3	Jun-03	
THC (**ppm**)			Crescent Heights	1.93	-	-	2.3	Jun-02 05:00	3.8	ESE	2.0	Jun-07	99.9%
$PM_{2.5}$ (**µg/m^3**)		30 [a]	Crescent Heights	4.0		0	19.6	Jun-22 20:00	3.9	E	9.9	Jun-07	97.8%
RH (**%**)			Crescent Heights	57.0	-	-	-	-	-	-	-	-	100.0%
SR (**W/m^2**)			Crescent Heights	286.0	-	-	-	-	-	-	-	-	100.0%
Temp (**°C**)			Crescent Heights	18.3	-	-	-	-	-	-	-	-	100.0%
WSPD v (km/hr)			Crescent Heights	11.0	-	-	28.9	Jun-06 13:00	28.9	NNE	14.7	25-Jun	100.0%
WSPD s (km/hr)			Crescent Heights	11.7	-	-	29.3	Jun-25 14:00	29.3	SW	17.6	25-Jun	100.0%
WDIR			Crescent Heights	SW	-	-	-	-	-	-	-	-	100.0%

Note: [a] the draft 24-hr Alberta Ambient Air Quality Objectives

PAS - Crescent Heights

Monthly Summary Tables, Graphs, and Roses

PAS - Crescent Heights - AQI Monthly Summary

Station: Crescent Heights
Station Owner: PAS

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:	616
Number of 1-hr Fair Readings:	49
Number of 1-hr Poor Readings:	0
Number of 1-hr Very Poor Readings:	0

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00
1-Jun-07	7	4	4	4	4	5	5	8	9	20	23	25	27	29	30	31	32	33	32	N	22	13	12	13
2-Jun-07	13	12	9	8	5	5	10	12	13	N	30	32	31	31	32	32	31	31	N	29	20	14	13	11
3-Jun-07	10	13	8	7	5	8	7	10	15	19	25	30	33	35	37	31	28	N	21	23	18	16	10	12
4-Jun-07	9	5	9	11	9	8	10	13	19	24	28	28	27	30	31	31	N	30	29	24	20	16	16	19
5-Jun-07	20	21	21	20	18	15	14	14	14	17	20	21	24	23	22	N	21	20	19	17	16	17	12	12
6-Jun-07	12	11	12	10	8	6	5	6	7	7	10	13	14	15	N	17	17	17	17	13	10	9	11	10
7-Jun-07	13	11	11	9	11	11	10	11	9	N	21	21	22	N	23	25	24	24	23	21	15	12	11	7
8-Jun-07	6	6	6	7	5	4	5	10	11	12	14	16	N	16	16	17	15	17	17	12	10	14	13	11
9-Jun-07	9	8	7	7	7	7	10	10	11	13	15	N	20	21	20	21	N	23	21	18	13	12	12	14
10-Jun-07	12	14	14	11	9	9	11	11	N	13	N	14	14	13	16	18	17	18	17	16	15	14	12	11
11-Jun-07	12	11	10	10	N	13	12	13	17	N	21	23	23	22	N	20	19	19	19	19	7	14	13	11
12-Jun-07	10	9	9	8	10	8	11	14	N	20	20	20	21	20	20	20	19	20	18	18	15	12	11	4
13-Jun-07	5	8	7	9	11	10	9	N	13	16	18	19	20	20	21	22	24	22	22	20	20	17	8	12
14-Jun-07	12	11	9	11	12	12	N	17	18	19	21	21	21	24	22	23	26	20	20	19	18	15	15	15
15-Jun-07	12	13	13	12	11	N	11	12	13	15	16	19	21	21	22	24	24	22	23	22	20	18	15	10
16-Jun-07	9	6	7	9	N	13	13	18	19	21	20	20	20	17	16	20	N	24	22	21	19	17	16	16
17-Jun-07	14	15	15	N	8	7	10	10	11	N	22	N	23	24	22	19	24	21	17	18	19	19	16	17
18-Jun-07	11	10	N	8	6	6	8	11	12	15	17	19	19	20	21	21	21	21	19	16	12	9	8	7
19-Jun-07	10	N	9	9	7	7	8	10	12	13	16	19	21	21	21	21	22	22	21	17	11	8	6	4
20-Jun-07	N	8	10	11	10	7	8	10	11	13	16	N	20	22	22	22	22	23	26	23	20	18	16	N
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22-Jun-07	10	10	10	10	10	10	10	12	16	19	22	25	26	24	28	27	25	24	23	20	16	N	14	9
23-Jun-07	12	9	11	14	20	22	21	22	23	22	23	26	27	28	28	29	28	30	29	27	N	20	17	15
24-Jun-07	15	16	15	13	11	11	11	11	15	16	18	20	21	23	23	N	25	26	25	N	21	20	16	18
25-Jun-07	16	12	13	8	7	9	N	N	18	15	N	16	N	21	21	19	18	19	N	19	21	21	17	12
26-Jun-07	11	11	11	10	7	6	10	10	12	14	15	17	17	N	N	N	N	N	20	19	17	15	12	12
27-Jun-07	13	12	N	9	9	8	2	N	N	N	N	2	N	20	20	20	20	19	19	18	16	14	12	13
28-Jun-07	12	11	N	11	12	12	12	12	13	15	16	18	19	19	20	19	20	21	21	19	18	16	14	12
29-Jun-07	14	N	11	10	8	7	7	7	7	15	17	22	26	30	29	28	23	19	20	18	15	17	17	16
30-Jun-07	20	18	N	15	18	20	17	16	16	15	17	19	20	22	23	24	23	23	22	18	13	15	10	8

PAS - Crescent Heights - Nitrogen Dioxide Monthly Summary

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

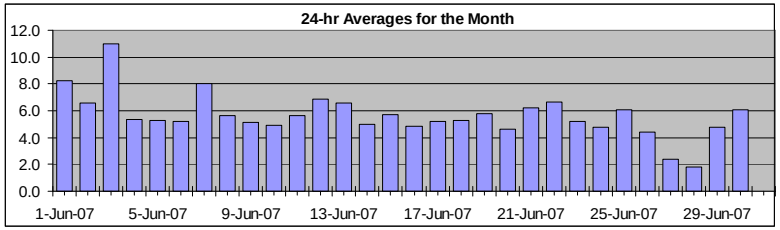
Station: Crescent Heights
Station Owner: PAS

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:	26.9	ppb	3-Jun	3:00 4:00
Maximum 24-hr Average:	11.0	ppb	3-Jun	



AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	19.7	13.7	7.2	4.7	3.0	1.4	0.9	5.6 ppb	4.7 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	12	15	14	16	14	16	14	12	17	6	2	1	1	1	1	1	1	1	1	A	8	13	10	10	8.2	17.2
2-Jun-07	6	7	9	11	12	12	7	5	8	3	1	2	1	2	1	2	2	2	A	6	9	14	11	19	6.6	19.3
3-Jun-07	23	6	25	27	18	21	15	13	7	6	3	3	2	2	3	3	4	A	19	6	12	10	15	10	11.0	26.9
4-Jun-07	11	19	8	7	7	8	7	5	3	2	2	2	2	2	2	2	A	6	4	3	3	7	6	5	5.4	19.3
5-Jun-07	3	2	3	3	4	5	8	9	8	6	6	5	4	2	3	A	9	7	8	6	5	4	8	5	5.3	8.7
6-Jun-07	5	7	4	5	5	7	8	10	7	5	3	2	2	2	A	7	5	4	4	7	6	6	4	6	5.2	9.9
7-Jun-07	11	8	8	8	14	14	12	12	8	4	3	3	3	A	9	5	7	4	4	6	12	12	9	8	8.0	13.7
8-Jun-07	4	3	3	3	4	7	10	6	8	6	4	2	A	8	6	5	8	4	5	10	10	6	6	4	5.7	9.8
9-Jun-07	4	4	3	5	4	4	3	3	3	3	4	A	8	5	4	3	3	3	4	8	12	12	10	4	5.1	12.2
10-Jun-07	4	8	5	5	3	5	3	2	3	2	A	8	5	7	4	4	5	4	4	7	9	8	5	5	4.9	9.1
11-Jun-07	3	4	4	3	3	5	5	4	3	A	9	7	5	5	5	3	4	4	4	3	24	9	6	7	5.6	24.4
12-Jun-07	6	9	13	11	5	9	8	5	A	8	8	5	3	3	3	3	5	2	3	4	6	11	10	17	6.9	17.1
13-Jun-07	15	6	5	6	3	5	6	A	9	4	3	3	4	4	3	6	4	5	5	7	4	8	24	14	6.6	24.5
14-Jun-07	7	5	7	6	5	6	A	10	6	4	3	4	8	3	5	3	3	5	3	3	6	7	4	4	5.0	10.0
15-Jun-07	9	7	5	6	8	A	15	9	8	6	5	4	3	4	3	2	2	4	3	4	4	5	7	10	5.7	15.2
16-Jun-07	8	13	10	6	A	9	5	3	2	2	1	2	3	9	10	5	2	2	2	1	3	5	5	3	4.9	13.3
17-Jun-07	5	4	3	A	17	15	8	7	6	4	3	3	4	4	5	4	4	4	4	2	1	2	8	2	5.2	17.2
18-Jun-07	6	4	A	10	11	11	9	6	6	4	3	3	4	3	3	2	3	3	4	4	6	7	5	5	5.3	11.2
19-Jun-07	6	A	10	6	7	5	6	6	3	4	3	3	3	2	2	2	3	4	4	7	10	9	10	17	5.7	17.0
20-Jun-07	A	13	6	5	7	8	7	5	4	4	6	7	4	3	2	2	2	3	3	4	3	2	2	A	4.6	12.6
21-Jun-07	6	5	6	8	8	7	16	5	4	4	4	3	4	5	6	3	3	4	4	7	12	7	A	11	6.2	16.2
22-Jun-07	7	6	6	5	4	5	5	5	5	4	4	3	3	7	3	2	3	4	4	9	18	A	22	20	6.6	21.9
23-Jun-07	16	14	15	7	6	5	5	3	4	3	5	2	2	2	2	2	1	1	1	2	A	9	7	6	5.2	15.8
24-Jun-07	6	5	5	5	9	6	9	11	5	6	8	3	3	2	2	1	1	1	1	A	6	4	5	4	4.7	10.6
25-Jun-07	6	10	6	13	12	10	5	6	5	8	5	5	3	2	2	2	6	2	A	9	5	4	8	5	6.1	12.8
26-Jun-07	5	2	2	3	4	8	6	5	4	4	3	C	C	C	C	A	5	4	3	4	6	5	7	4	4.4	7.9
27-Jun-07	3	3	A	10	7	5	4	3	M	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2.4	9.6
28-Jun-07	1	2	2	2	1	1	1	2	4	3	1	1	2	1	1	2	1	1	1	1	2	2	3	4	1.8	3.7
29-Jun-07	2	2	3	5	5	5	6	7	A	6	8	8	4	2	2	2	4	5	3	4	9	5	8	6	4.8	8.7
30-Jun-07	3	9	A	9	8	3	7	5	4	3	3	2	3	2	3	2	3	2	3	8	18	11	12	14	6.1	18.1
Hourly Avg	7.0	6.9	7.1	7.5	7.3	7.7	7.6	6.3	5.7	4.4	3.9	3.5	3.4	3.4	3.4	2.9	3.6	3.3	3.9	5.1	7.9	7.1	8.2	8.0		
Hourly Max	23.0	19.3	25.4	26.9	18.3	20.6	16.2	12.5	17.2	8.4	8.7	8.3	8.3	8.8	10.1	7.0	8.7	6.9	18.7	9.8	24.4	13.9	24.5	19.5		

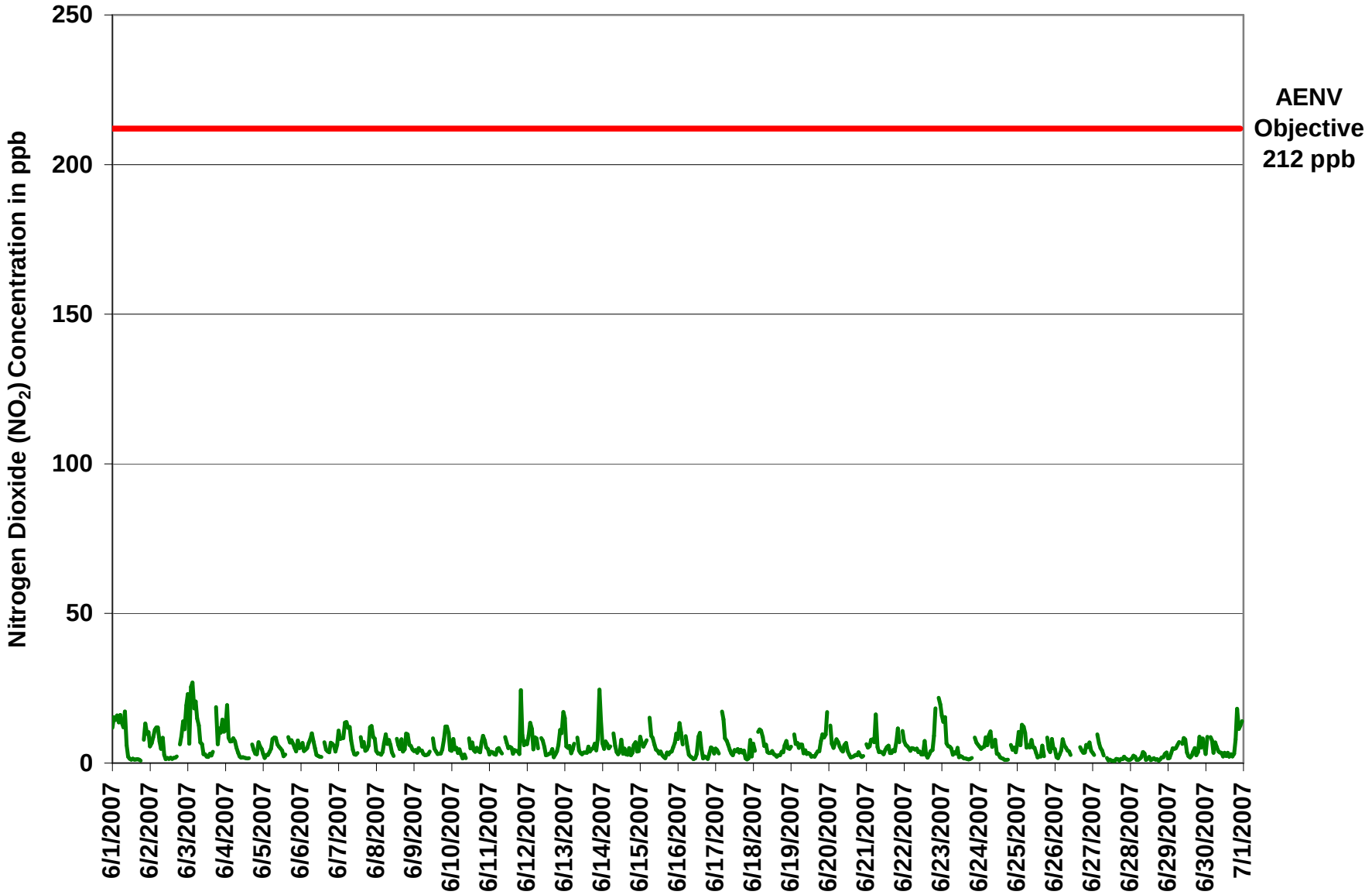


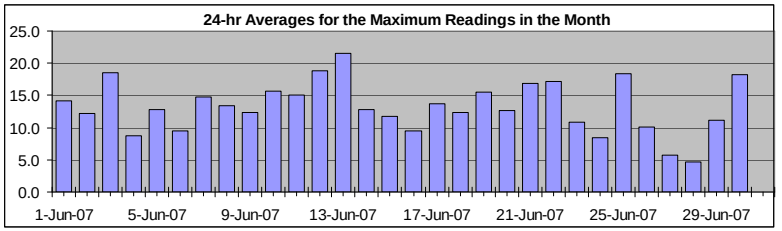
Figure 1. PAS - Crescent Heights Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

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



Summary

Maximum 1-hr Value:	52.7	ppb	13-Jun	18:00 19:00
Maximum 24-hr Value:	21.5	ppb	13-Jun	

AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	39.1	33.2	19.7	9.5	5.2	2.9	2.1	13.3 ppb	9.5 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	16	31	31	33	19	24	34	15	19	15	3	3	2	9	2	2	2	2	2	A	13	18	13	15	14.1	33.8
2-Jun-07	8	13	19	29	15	15	10	7	14	7	3	3	2	5	3	3	4	16	A	12	14	26	17	37	12.3	37.5
3-Jun-07	35	13	44	31	32	35	21	21	9	18	6	6	4	3	5	5	8	A	29	11	28	19	18	26	18.6	44.1
4-Jun-07	26	30	14	10	9	12	12	7	5	3	3	3	3	3	3	3	A	10	7	4	4	10	9	8	8.7	29.8
5-Jun-07	34	3	5	5	7	7	15	12	16	9	7	7	20	4	23	A	13	27	19	8	21	8	15	8	12.7	33.6
6-Jun-07	25	26	5	6	7	11	11	13	11	8	4	4	7	3	A	11	6	5	5	15	14	8	5	9	9.5	26.1
7-Jun-07	19	17	16	10	19	23	14	21	10	10	8	4	5	A	15	8	27	6	7	9	34	18	10	29	14.7	33.9
8-Jun-07	6	5	11	4	6	11	13	10	10	8	5	6	A	13	20	7	16	5	10	30	28	37	39	8	13.4	38.7
9-Jun-07	8	24	6	17	13	6	6	21	18	4	16	A	37	6	5	4	5	5	6	20	16	18	13	7	12.3	36.9
10-Jun-07	6	34	7	17	13	17	5	3	25	3	A	24	26	21	22	7	27	10	6	15	17	37	9	8	15.6	37.1
11-Jun-07	5	16	19	5	5	26	15	21	4	A	14	28	7	11	26	5	25	16	10	5	37	30	10	9	15.1	37.2
12-Jun-07	9	21	35	29	9	24	11	34	A	27	38	29	4	4	7	8	20	4	7	9	9	27	38	31	18.8	38.2
13-Jun-07	28	30	7	33	5	7	17	A	15	6	22	4	17	24	21	36	11	26	53	20	7	19	49	36	21.5	52.7
14-Jun-07	11	27	29	13	23	8	A	15	8	5	4	30	39	5	9	6	7	9	4	5	9	10	7	9	12.8	38.9
15-Jun-07	11	12	13	15	12	A	19	20	28	12	7	20	5	5	4	4	5	8	4	7	6	9	19	25	11.7	28.0
16-Jun-07	12	17	16	10	A	17	7	5	3	3	2	3	18	27	22	11	3	5	4	2	5	12	9	6	9.4	27.1
17-Jun-07	8	6	4	A	25	28	11	29	19	7	5	4	28	22	28	6	26	9	14	3	2	3	20	9	13.8	29.4
18-Jun-07	16	5	A	15	17	25	22	8	23	5	5	15	18	6	10	4	8	4	5	5	7	37	6	16	12.3	36.6
19-Jun-07	26	A	28	9	24	7	28	20	10	14	5	5	24	4	4	4	21	22	8	12	12	14	20	39	15.6	38.6
20-Jun-07	A	22	28	30	33	22	17	27	7	7	10	19	12	10	3	3	3	4	4	5	5	3	4	A	12.7	33.1
21-Jun-07	8	6	8	12	16	12	24	11	9	11	5	4	28	21	42	6	6	7	32	32	30	21	A	39	16.9	41.6
22-Jun-07	26	22	30	26	5	21	20	19	7	6	23	5	5	36	6	3	11	7	8	17	26	A	29	34	17.2	35.5
23-Jun-07	20	21	34	12	22	19	28	4	9	10	13	3	5	3	3	4	2	2	2	3	A	12	11	8	10.8	34.4
24-Jun-07	8	6	7	7	18	8	17	20	23	13	14	6	4	4	3	4	2	2	2	A	9	5	6	5	8.4	23.1
25-Jun-07	30	25	7	27	22	15	7	20	29	19	45	22	28	3	4	6	32	5	A	20	6	5	40	7	18.4	44.8
26-Jun-07	13	4	3	22	9	19	11	10	8	7	6	C	C	C	C	A	8	6	6	5	8	20	20	6	10.1	22.1
27-Jun-07	6	6	A	17	10	8	7	6	M	3	2	14	4	4	4	4	5	4	4	4	4	4	3	3	5.7	16.9
28-Jun-07	3	3	5	4	3	3	4	5	10	12	3	4	5	3	3	4	3	4	3	3	4	4	6	7	4.6	12.2
29-Jun-07	4	3	6	10	9	7	9	9	A	10	12	22	6	3	3	4	7	11	4	9	20	41	18	33	11.2	40.7
30-Jun-07	5	16	A	15	29	5	26	26	5	6	22	4	24	4	24	3	22	4	10	31	32	37	29	39	18.2	38.7
Hourly Avg	14.9	16.0	16.1	16.4	15.0	15.2	15.2	15.2	13.1	9.3	10.7	10.7	13.8	9.6	11.5	6.4	11.5	8.4	9.9	11.5	14.8	17.8	16.9	17.8		
Hourly Max	35.0	34.1	44.1	33.3	33.1	35.0	33.8	33.9	29.3	26.8	44.8	30.4	38.9	35.5	41.6	36.4	32.2	27.0	52.7	31.9	37.2	40.7	49.1	38.7		

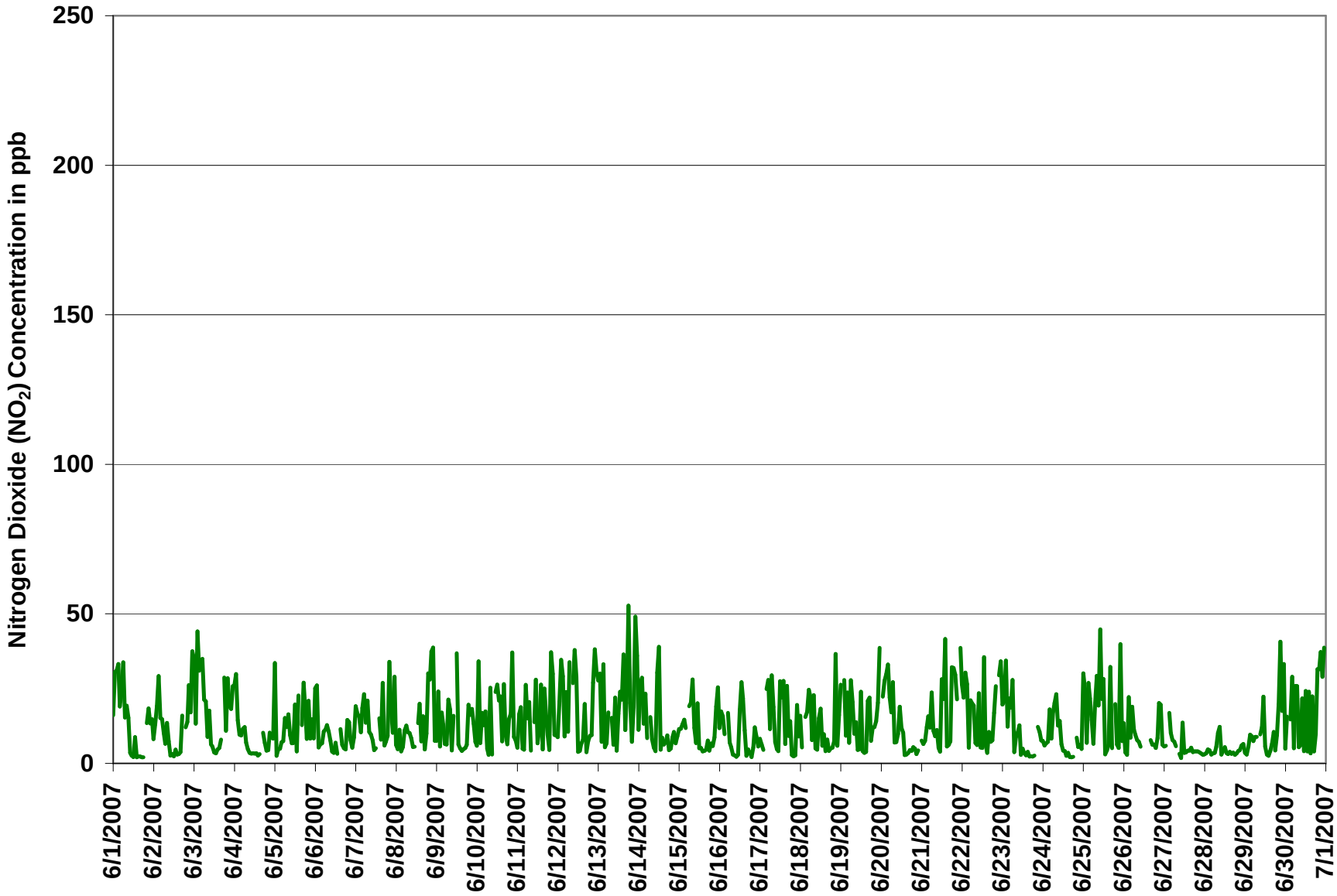
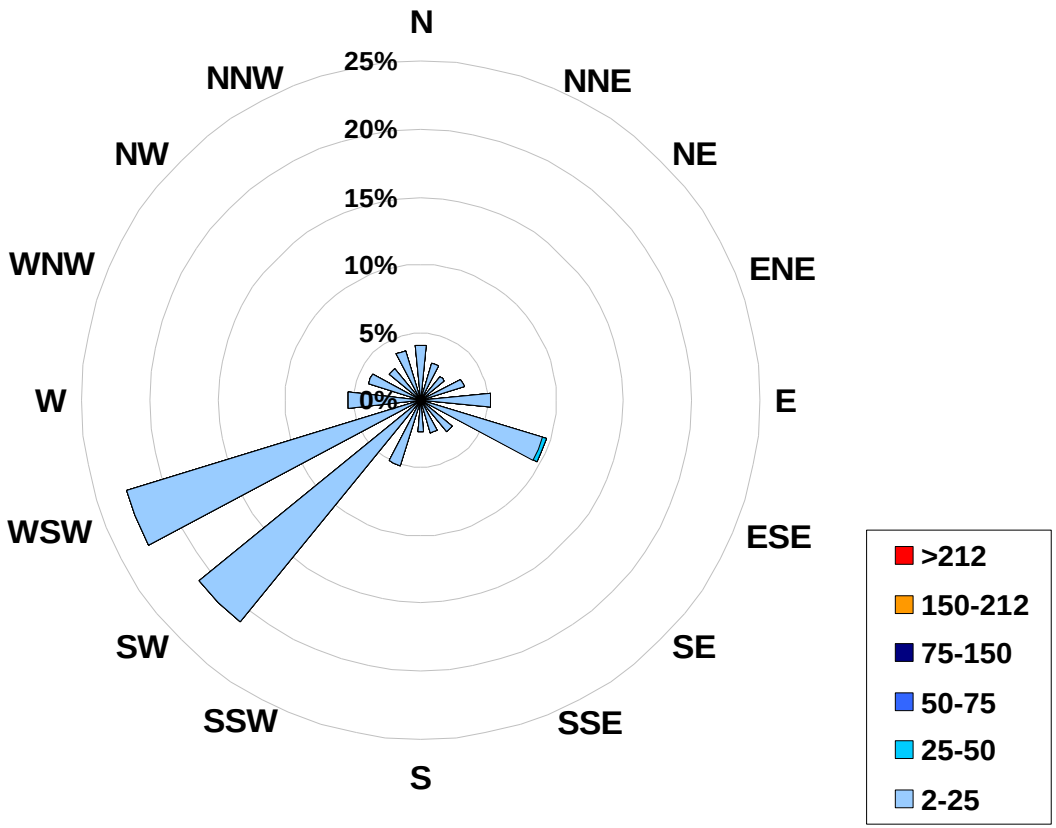


Figure 2. PAS - Crescent Heights Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	682
25	to	50	3
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			685

PAS - Crescent Heights - Nitric Oxide Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

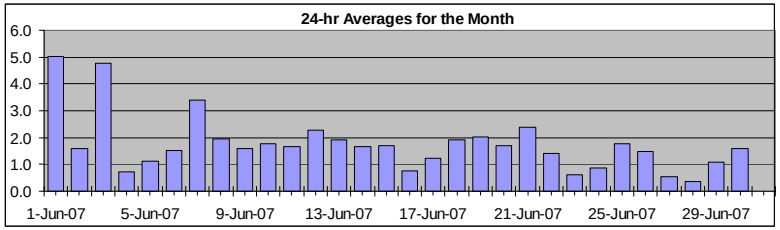
Nitric Oxide (NO)

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

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

Summary

Maximum 1-hr Average:	27.9	ppb	1-Jun	5:00 6:00
Maximum 24-hr Average:	5.0	ppb	1-Jun	



AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	14.6	5.3	2.0	1.0	0.5	0.1	0.0	1.7 ppb	1.0 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	1	3	14	11	5	28	18	10	15	3	1	1	0	0	0	0	1	0	0	A	1	1	1	1	5.0	27.9
2-Jun-07	1	1	1	4	2	6	3	2	5	1	0	0	0	1	0	0	0	1	A	0	0	1	0	6	1.6	5.6
3-Jun-07	2	0	27	12	8	26	13	8	3	3	1	1	0	0	0	1	0	A	2	0	2	1	1	1	4.8	27.1
4-Jun-07	1	2	1	0	1	2	3	2	1	0	0	0	1	0	0	0	A	1	0	0	0	0	0	0	0.7	2.9
5-Jun-07	1	0	0	0	1	1	2	2	2	1	2	2	2	1	1	A	1	1	2	1	1	1	1	1	1.1	2.4
6-Jun-07	1	3	0	1	1	2	3	5	4	3	1	1	1	1	A	1	0	1	0	2	1	1	1	1	1.5	5.1
7-Jun-07	3	2	1	1	2	7	10	17	7	2	1	1	1	A	2	1	2	1	1	1	1	1	1	13	3.4	17.2
8-Jun-07	1	0	2	0	2	3	6	2	3	3	2	1	A	2	3	1	2	1	1	2	2	2	3	1	2.0	5.6
9-Jun-07	1	3	1	4	1	2	2	3	3	2	3	A	2	1	1	1	1	1	1	1	1	1	1	1	1.6	3.8
10-Jun-07	1	3	1	2	2	2	1	1	4	1	A	3	2	4	2	1	4	1	1	1	1	2	1	0	1.8	4.4
11-Jun-07	0	1	1	0	1	2	2	3	1	A	1	2	1	1	2	1	2	2	1	0	11	2	0	0	1.7	10.8
12-Jun-07	0	1	5	9	1	4	3	3	A	3	6	3	0	1	1	1	3	0	1	1	0	1	2	3	2.3	8.9
13-Jun-07	5	2	0	6	0	1	3	A	2	1	1	1	1	2	1	2	1	1	2	1	0	1	7	2	1.9	7.1
14-Jun-07	0	2	4	1	2	2	A	2	2	1	1	3	4	1	2	1	1	2	2	1	1	1	1	1	1.7	4.0
15-Jun-07	1	1	1	1	1	A	3	4	5	3	2	3	1	2	1	1	1	1	1	1	0	1	1	1	1.7	5.3
16-Jun-07	1	1	1	1	A	1	1	0	1	1	0	0	1	1	2	1	0	0	0	0	1	0	0	0	0.8	1.8
17-Jun-07	1	1	1	A	2	5	2	3	2	1	1	0	2	1	2	1	1	0	1	0	0	0	1	0	1.2	4.9
18-Jun-07	0	0	A	1	1	5	6	3	4	2	1	1	2	1	1	1	1	1	1	1	1	7	1	2	1.9	7.1
19-Jun-07	4	A	2	1	4	2	7	6	2	3	1	1	1	0	1	0	1	1	0	0	0	0	0	9	2.0	8.9
20-Jun-07	A	0	3	2	4	5	5	4	2	1	2	2	1	1	0	0	1	1	0	1	0	0	0	A	1.7	5.3
21-Jun-07	1	1	1	1	1	2	15	2	2	2	1	1	2	2	4	1	1	1	2	4	4	1	A	3	2.4	15.4
22-Jun-07	2	1	2	2	0	3	3	3	2	1	1	1	1	3	0	1	1	0	0	1	1	A	1	3	1.4	3.2
23-Jun-07	1	0	4	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	A	1	0	0	0.6	4.0
24-Jun-07	0	0	0	0	1	0	1	3	3	2	2	1	1	0	0	0	0	0	1	A	1	1	1	1	0.9	2.8
25-Jun-07	2	2	1	2	2	3	2	2	3	2	3	2	2	1	1	1	4	1	A	1	1	1	3	0	1.8	4.5
26-Jun-07	1	0	0	3	1	8	4	4	3	2	1	C	C	C	C	A	0	0	0	0	0	0	0	0	1.5	7.6
27-Jun-07	0	0	A	1	1	1	2	1	M	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.5	1.9
28-Jun-07	0	0	0	0	0	0	1	1	2	2	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0.4	2.0
29-Jun-07	0	0	0	0	0	1	2	5	A	2	3	3	1	0	0	0	1	1	0	0	1	1	1	2	1.1	4.6
30-Jun-07	0	1	A	1	2	1	3	2	1	1	3	1	2	1	2	1	1	1	1	1	2	2	2	5	1.6	5.1
Hourly Avg	1.1	1.1	2.7	2.3	1.6	4.3	4.4	3.6	3.1	1.8	1.6	1.3	1.2	1.2	1.1	0.8	1.1	0.8	0.8	0.9	1.2	1.0	1.1	2.0		
Hourly Max	5.1	3.3	27.1	11.8	7.8	27.9	17.8	17.2	15.3	3.5	6.5	3.2	4.0	4.4	3.7	1.9	4.5	2.0	2.3	4.4	10.8	7.1	7.1	13.3		

PAS - Crescent Heights - Oxides of Nitrogen Monthly Summary

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

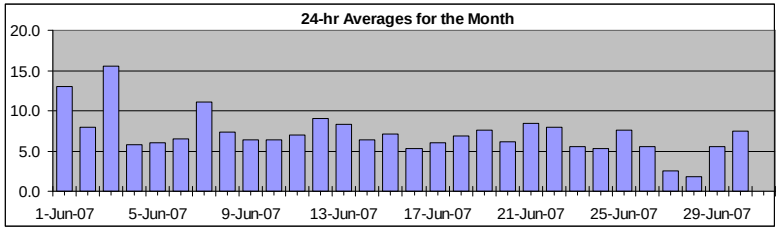
Station: Crescent Heights
Station Owner: PAS

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:	52.4	ppb	3-Jun	2:00 3:00
Maximum 24-hr Average:	15.6	ppb	3-Jun	



AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	31.4	18.7	9.0	5.6	3.5	1.4	0.7	7.1 ppb	5.6 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	12	18	29	27	19	44	31	22	32	9	2	2	1	2	1	1	1	1	1	A	8	14	10	11	13.0	43.8
2-Jun-07	6	8	9	15	14	17	10	7	13	3	1	2	1	2	1	2	2	2	A	6	9	15	11	25	7.9	24.8
3-Jun-07	25	7	52	38	26	46	28	21	9	9	3	3	2	2	3	3	4	A	20	6	13	11	15	11	15.6	52.4
4-Jun-07	12	21	9	7	8	10	10	7	4	2	2	2	2	2	1	2	A	7	4	3	3	7	6	4	5.8	21.3
5-Jun-07	4	2	3	3	4	5	10	10	10	7	7	6	5	3	4	A	10	8	9	7	6	4	8	5	6.1	10.1
6-Jun-07	6	9	4	5	5	9	11	15	11	8	4	3	2	3	A	8	5	4	4	9	8	6	4	7	6.5	14.8
7-Jun-07	13	10	9	9	15	21	22	29	14	6	4	3	4	A	10	6	9	4	5	6	13	13	9	21	11.0	28.9
8-Jun-07	4	3	5	3	5	10	15	8	11	9	6	3	A	10	9	6	10	5	6	12	11	7	9	5	7.4	15.0
9-Jun-07	5	7	4	9	5	6	5	5	5	5	7	A	10	6	4	3	4	3	5	8	13	13	11	5	6.4	13.3
10-Jun-07	5	10	5	7	5	7	4	2	6	2	A	11	7	11	6	5	8	5	4	7	10	10	6	5	6.4	11.3
11-Jun-07	3	4	4	3	3	6	7	7	4	A	10	9	6	6	7	4	6	5	5	3	35	11	6	7	7.0	35.0
12-Jun-07	6	10	18	20	5	13	11	8	A	12	14	8	3	4	4	4	7	2	3	5	6	12	12	20	9.0	20.0
13-Jun-07	20	8	5	11	3	5	10	A	10	5	4	4	5	6	4	7	4	5	7	8	4	8	31	16	8.3	31.4
14-Jun-07	7	7	11	7	7	7	A	12	7	5	4	7	11	4	7	4	4	7	4	4	7	8	4	5	6.4	11.6
15-Jun-07	10	7	6	7	8	A	19	13	13	9	7	7	4	6	4	3	2	4	3	4	4	6	7	11	7.2	18.6
16-Jun-07	8	14	11	7	A	10	7	3	3	2	2	2	4	10	12	6	2	2	2	1	3	5	5	3	5.3	14.1
17-Jun-07	5	5	4	A	19	19	10	10	8	5	4	3	6	5	6	4	5	4	5	1	1	1	8	2	6.0	19.3
18-Jun-07	7	4	A	11	12	16	15	8	10	5	4	4	5	4	4	3	3	3	4	4	7	14	5	6	6.9	15.8
19-Jun-07	9	A	11	7	10	7	13	12	5	7	4	4	4	2	3	2	3	5	4	8	10	8	10	26	7.6	25.9
20-Jun-07	A	13	9	7	10	13	12	9	6	5	8	9	5	3	2	2	3	3	3	4	3	2	3	A	6.1	12.8
21-Jun-07	7	6	6	8	9	9	32	7	6	5	5	4	6	7	9	4	4	5	5	11	16	8	A	14	8.4	31.5
22-Jun-07	9	7	7	7	4	7	8	8	7	5	5	3	4	10	3	2	4	4	5	10	19	A	23	22	7.9	23.3
23-Jun-07	16	14	19	6	6	6	6	3	4	4	6	2	2	2	1	2	1	1	1	1	A	9	7	6	5.5	19.3
24-Jun-07	6	5	5	5	9	6	11	13	8	8	9	4	4	2	2	2	1	1	1	A	7	5	5	4	5.3	13.2
25-Jun-07	8	12	6	14	14	13	6	8	8	9	8	7	5	2	3	3	10	3	A	10	5	4	10	5	7.6	14.4
26-Jun-07	5	2	2	6	5	15	9	9	7	6	4	C	C	C	C	A	5	4	3	3	5	5	7	4	5.5	15.1
27-Jun-07	3	3	A	10	7	6	6	3	M	2	1	2	1	1	1	1	1	1	1	1	2	2	1	1	2.5	10.2
28-Jun-07	1	1	2	2	0	1	2	2	5	5	1	2	2	1	1	2	1	1	0	1	2	1	3	3	1.8	5.4
29-Jun-07	1	1	3	5	5	5	8	12	A	8	11	11	4	2	2	3	4	6	3	4	9	6	9	7	5.5	11.5
30-Jun-07	3	9	A	9	9	4	9	7	5	5	6	3	5	3	5	3	4	3	4	9	21	13	15	16	7.5	20.7
Hourly Avg	7.8	7.8	9.6	9.5	8.7	11.8	11.8	9.6	8.5	5.9	5.2	4.5	4.4	4.3	4.3	3.4	4.4	3.8	4.3	5.7	8.9	7.8	9.0	9.6		
Hourly Max	25.0	21.3	52.4	38.4	26.0	46.1	31.5	28.9	32.2	11.8	14.0	11.3	11.5	11.0	11.6	7.5	10.1	7.9	20.4	12.0	35.0	14.5	31.4	25.9		

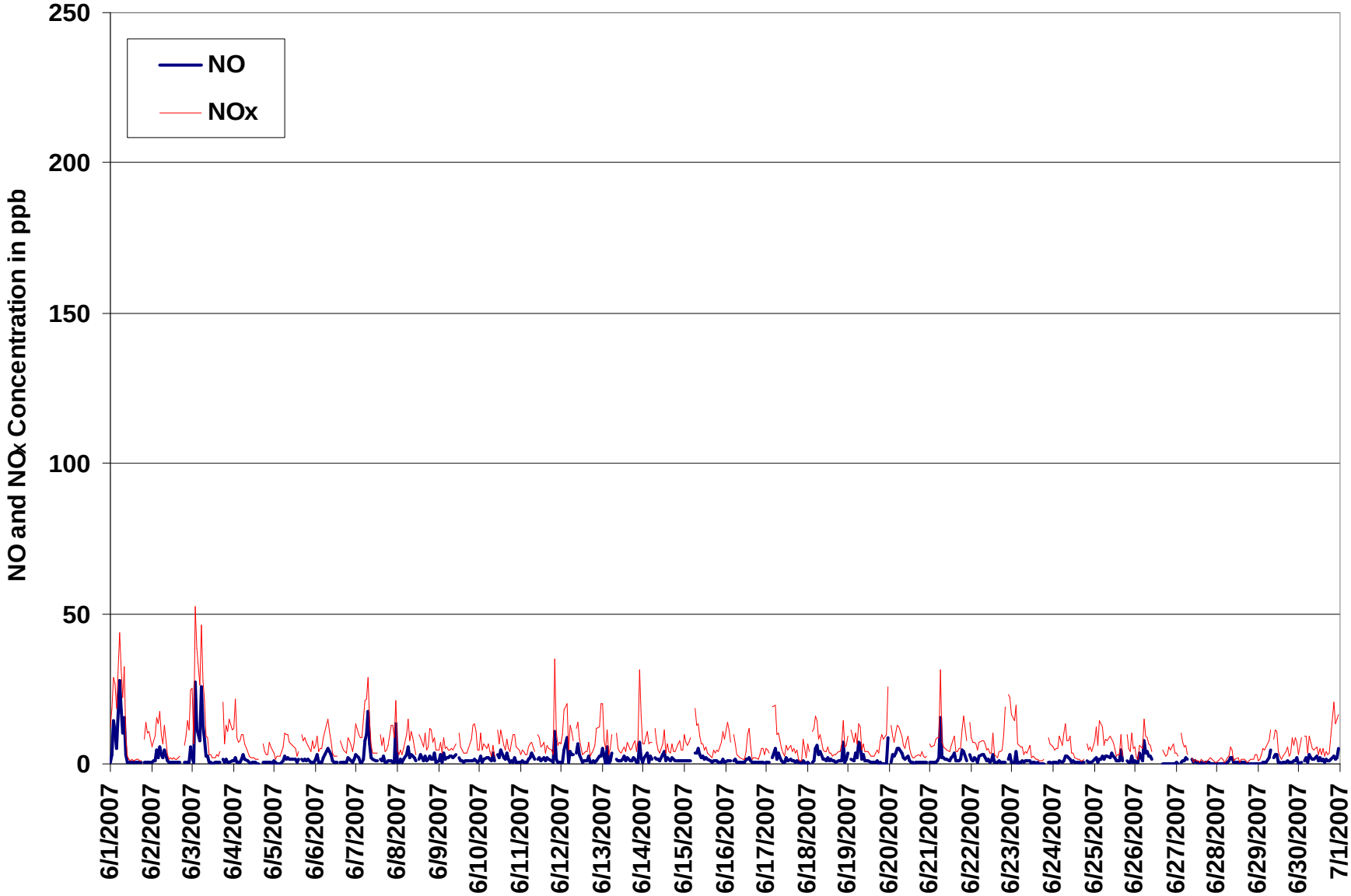


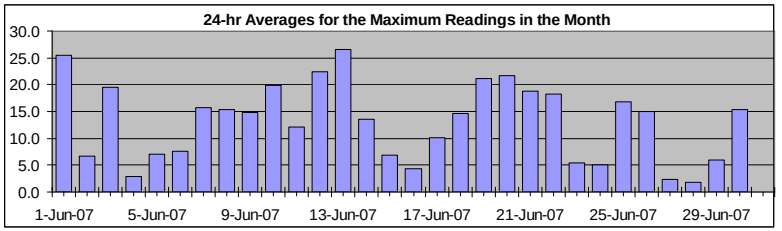
Figure 3. PAS - Crescent Heights Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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



Summary

Maximum 1-hr Value:	148.5	ppb	7-Jun	23:00 0:00
Maximum 24-hr Value:	26.5	ppb	13-Jun	

AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	113.1	61.1	13.1	2.8	1.6	1.0	0.8	13.1 ppb	2.8 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

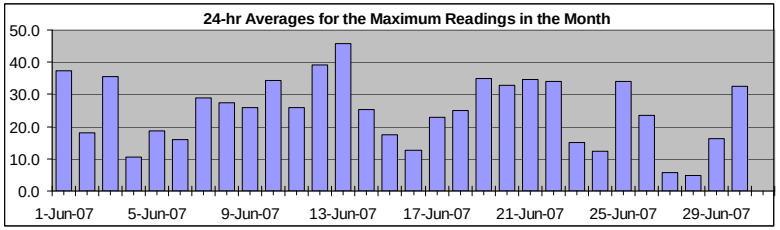
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	2	32	144	120	57	84	86	14	18	9	2	2	1	5	1	1	2	1	2	A	1	2	2	2	25.5	143.5
2-Jun-07	1	4	3	47	6	9	5	4	11	3	2	1	1	2	1	1	1	6	A	2	1	2	1	40	6.7	47.2
3-Jun-07	13	1	56	25	63	147	26	31	4	11	2	2	1	2	1	1	1	A	3	1	45	5	2	6	19.5	146.9
4-Jun-07	5	11	2	2	1	4	16	3	2	1	2	2	2	1	1	1	A	2	1	1	1	1	1	1	2.8	16.1
5-Jun-07	34	1	1	1	2	2	6	3	5	3	3	3	12	2	21	A	2	10	12	2	30	2	2	1	7.1	34.1
6-Jun-07	34	45	2	2	2	8	14	15	9	5	3	1	7	2	A	2	2	1	1	6	5	2	2	4	7.5	44.9
7-Jun-07	12	8	5	2	6	34	14	61	12	8	4	2	2	A	4	2	19	2	2	2	9	2	2	149	15.7	148.5
8-Jun-07	3	2	61	2	7	9	21	5	5	4	5	4	A	3	33	3	6	2	8	25	25	35	84	2	15.3	83.8
9-Jun-07	3	71	2	65	27	7	6	41	37	3	24	A	30	2	2	2	2	2	2	3	2	3	4	2	14.9	71.2
10-Jun-07	2	19	2	19	41	31	3	3	49	2	A	45	26	31	27	3	54	4	2	3	2	83	3	2	19.8	82.9
11-Jun-07	2	10	22	1	2	43	13	38	3	A	2	28	2	3	32	2	21	13	3	1	24	10	2	1	12.1	42.6
12-Jun-07	2	2	62	68	4	50	4	63	A	27	48	55	2	2	3	3	20	1	3	3	2	10	64	17	22.4	68.2
13-Jun-07	36	44	2	122	1	3	22	A	3	2	22	3	12	58	21	24	3	9	74	10	1	1	103	33	26.5	122.0
14-Jun-07	1	57	50	4	56	3	A	3	3	3	2	61	40	3	4	3	3	4	3	2	2	3	2	2	13.6	61.2
15-Jun-07	2	2	3	3	3	A	6	27	36	8	4	32	3	4	3	2	2	3	2	2	1	2	1	8	6.9	35.8
16-Jun-07	1	2	4	6	A	2	2	1	1	2	1	2	35	21	4	4	1	2	1	1	2	2	2	1	4.3	34.6
17-Jun-07	3	2	2	A	5	37	3	62	21	2	2	2	26	18	19	3	12	2	3	1	2	2	3	1	10.1	62.4
18-Jun-07	2	1	A	2	2	37	47	5	34	3	2	11	18	3	9	2	3	2	2	2	2	112	2	31	14.6	111.9
19-Jun-07	48	A	48	3	52	4	80	49	12	16	2	2	37	2	2	1	14	23	1	1	1	1	3	82	21.1	81.7
20-Jun-07	A	3	91	121	47	57	62	45	5	4	4	11	4	8	1	1	1	2	2	2	1	1	1	A	21.7	121.0
21-Jun-07	2	1	2	1	3	5	36	6	20	10	3	2	28	21	50	3	2	3	33	92	36	15	A	61	18.9	91.6
22-Jun-07	48	33	63	45	1	44	28	44	3	2	18	2	2	21	1	1	12	2	2	1	1	A	21	25	18.2	62.7
23-Jun-07	2	1	61	1	3	2	28	1	3	3	4	1	2	1	1	1	1	1	1	1	A	2	1	1	5.5	61.4
24-Jun-07	1	1	1	1	13	1	3	7	59	5	4	2	2	1	1	2	1	2	2	A	2	1	2	2	5.1	58.5
25-Jun-07	16	13	1	7	4	5	3	13	63	16	77	25	53	2	2	3	37	2	A	3	1	1	35	1	16.8	77.3
26-Jun-07	16	1	1	125	6	89	12	7	6	5	3	C	C	C	C	A	2	1	1	1	2	2	3	2	14.9	124.8
27-Jun-07	2	1	A	1	2	3	5	3	M	3	2	15	3	2	1	1	1	1	1	1	1	1	1	1	2.4	15.0
28-Jun-07	1	1	1	1	1	1	2	3	8	9	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1.8	9.2
29-Jun-07	1	1	1	1	1	2	4	7	A	5	7	10	2	1	1	1	1	3	2	1	2	37	14	32	5.9	37.3
30-Jun-07	1	1	A	3	18	2	39	19	3	3	38	3	26	2	24	1	22	2	3	8	9	22	23	80	15.4	80.4
Hourly Avg	10.2	12.8	25.7	27.6	15.0	25.0	20.5	20.2	16.1	6.1	10.1	11.8	13.5	8.1	9.8	2.7	8.7	3.8	6.2	6.4	7.4	12.5	13.2	20.4		
Hourly Max	48.0	71.2	143.5	124.8	63.3	146.9	85.7	62.9	63.0	27.1	77.3	61.2	53.3	58.1	50.4	23.9	54.4	23.5	73.6	91.6	44.6	111.9	102.7	148.5		

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

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



Summary

Maximum 1-hr Value:	170.9	ppb	7-Jun	23:00 0:00
Maximum 24-hr Value:	45.9	ppb	13-Jun	

AIC Time:	30 hrs	Operational Time:	685 hrs
Calibration Time:	4 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	145.1	86.0	32.5	11.8	5.9	2.7	1.9	24.9 ppb	11.8 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	17	60	170	145	75	99	112	29	36	24	4	3	2	12	2	3	2	2	2	A	14	19	14	15	37.5	170.2
2-Jun-07	8	16	22	73	21	24	14	10	24	8	3	3	3	5	3	3	4	22	A	13	15	27	17	76	18.0	76.1
3-Jun-07	47	13	95	52	89	169	47	51	12	28	8	7	4	4	5	5	8	A	32	11	54	24	19	31	35.4	169.3
4-Jun-07	31	39	15	10	10	15	27	9	5	4	3	4	4	4	3	3	A	12	8	5	5	10	9	8	10.5	38.9
5-Jun-07	67	3	5	5	7	8	21	14	22	11	9	8	31	5	39	A	14	36	29	9	51	9	16	9	18.7	67.4
6-Jun-07	58	70	6	8	8	18	26	25	18	12	6	4	13	4	A	12	6	6	5	20	19	8	5	11	16.0	70.3
7-Jun-07	30	21	20	11	21	56	27	81	22	17	11	5	6	A	16	9	42	6	7	10	42	18	11	171	28.8	170.9
8-Jun-07	8	5	65	5	12	20	32	14	14	11	9	9	A	16	50	10	21	6	16	54	53	73	115	9	27.3	115.2
9-Jun-07	9	95	7	81	41	12	10	61	55	6	35	A	63	7	6	4	6	6	7	21	17	21	15	8	25.9	94.7
10-Jun-07	7	51	7	32	51	48	6	4	74	4	A	69	54	51	50	9	81	13	8	17	18	120	11	7	34.5	119.5
11-Jun-07	5	25	41	6	4	67	28	54	6	A	15	51	8	13	57	5	44	28	12	5	61	39	10	9	25.8	67.3
12-Jun-07	10	22	86	90	12	72	14	93	A	53	84	82	4	6	9	9	40	4	10	12	9	38	98	44	39.2	98.1
13-Jun-07	59	69	7	144	6	9	36	A	18	8	44	6	27	77	36	60	14	35	126	30	8	20	151	67	45.9	151.5
14-Jun-07	11	78	78	17	77	11	A	18	9	8	5	91	78	6	13	8	9	12	6	6	10	11	8	10	25.3	91.1
15-Jun-07	12	13	15	16	13	A	23	46	63	20	9	50	7	8	5	5	6	10	5	8	6	9	20	34	17.6	62.6
16-Jun-07	13	18	19	15	A	17	8	7	3	3	2	4	50	41	26	14	2	6	3	2	7	13	10	6	12.6	49.6
17-Jun-07	11	7	5	A	29	61	13	92	39	8	5	4	53	39	46	8	38	11	17	3	3	2	22	9	22.7	91.8
18-Jun-07	17	5	A	16	19	58	60	12	56	7	6	26	33	8	16	6	10	4	6	6	8	146	7	43	25.0	145.8
19-Jun-07	71	A	70	12	74	9	103	67	20	29	5	6	58	5	4	4	35	45	8	12	12	14	23	120	35.0	120.0
20-Jun-07	A	24	117	145	78	78	77	73	10	7	13	29	16	18	3	3	4	5	5	6	5	3	5	A	32.9	145.1
21-Jun-07	9	7	8	12	17	15	56	17	30	21	8	5	56	43	86	7	7	10	61	123	66	36	A	98	34.7	123.3
22-Jun-07	70	52	93	66	5	61	48	64	10	8	40	7	7	55	7	4	22	9	8	17	27	A	47	57	34.1	92.8
23-Jun-07	21	22	91	13	24	20	53	4	11	13	17	3	6	4	3	4	2	3	2	3	A	13	10	8	15.1	91.1
24-Jun-07	7	6	7	7	27	9	19	26	78	18	18	8	5	5	3	5	2	2	3	A	10	6	7	5	12.2	77.7
25-Jun-07	43	37	8	33	24	19	8	32	92	33	122	47	73	4	6	9	69	7	A	23	6	5	74	7	34.0	122.4
26-Jun-07	28	3	3	147	13	105	22	15	12	11	7	C	C	C	C	A	6	5	7	5	8	20	21	6	23.4	146.7
27-Jun-07	5	5	A	18	10	9	10	5	M	5	3	26	4	3	2	4	3	2	3	3	3	3	2	2	5.8	26.3
28-Jun-07	2	2	3	3	2	2	3	6	19	21	3	4	5	3	3	4	3	3	1	2	4	3	5	5	4.7	21.3
29-Jun-07	2	2	6	10	9	8	12	15	A	14	18	32	6	3	3	5	7	12	5	10	21	77	31	65	16.3	77.4
30-Jun-07	5	16	A	16	47	6	63	43	8	9	59	6	50	6	48	4	44	6	12	39	40	61	48	117	32.7	117.1
Hourly Avg	23.5	27.2	39.5	41.7	28.5	38.2	33.7	34.1	28.3	14.5	19.7	21.4	25.9	16.2	19.7	8.2	19.0	11.3	14.7	17.0	20.7	29.3	28.7	36.4		
Hourly Max	71.1	94.7	170.2	146.7	88.9	169.3	111.7	92.8	91.6	53.1	122.4	91.1	78.5	77.2	86.4	59.8	80.7	45.1	125.7	123.3	66.2	145.8	151.5	170.9		

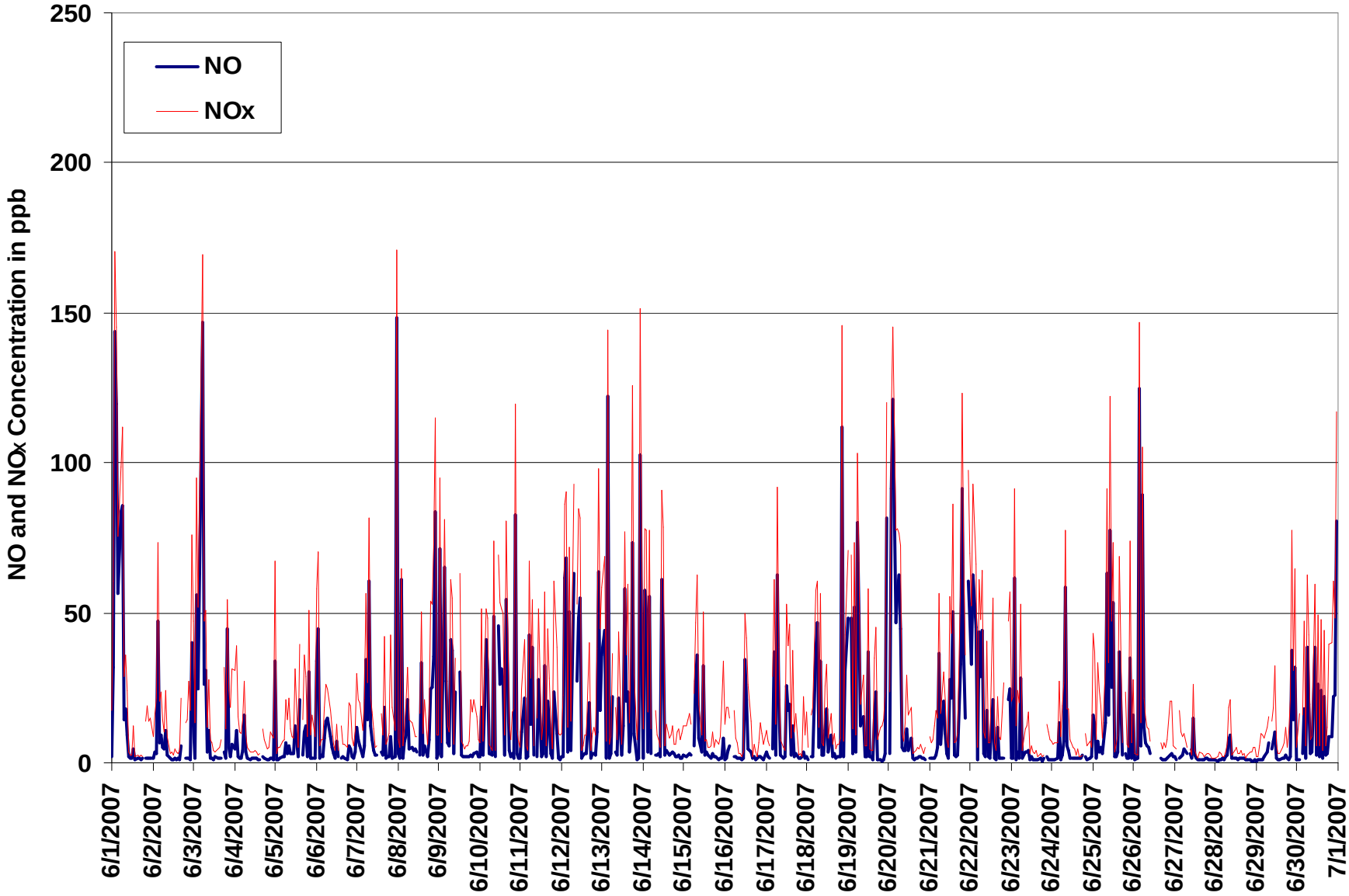


Figure 4. PAS - Crescent Heights Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PAS - Crescent Heights - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

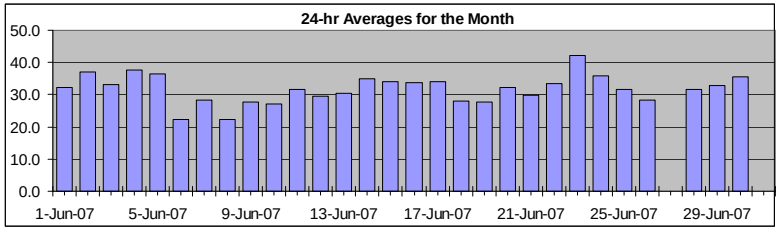
Station: Crescent Heights
Station Owner: PAS

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:	64.0	ppb	3-Jun	14:00 15:00
Maximum 24-hr Average:	42.1	ppb	23-Jun	



AIC Time:	31 hrs	Operational Time:	683 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	58.3	53.8	41.1	31.7	21.7	12.4	7.1	31.7 ppb	31.7 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	14	8	7	5	4	3	9	17	18	40	47	50	52	55	56	58	58	59	59	A	44	25	25	25	32.1	59.3
2-Jun-07	27	23	18	17	10	10	19	23	26	46	56	58	58	58	58	58	57	57	A	54	41	28	26	22	37.0	58.4
3-Jun-07	14	26	8	1	7	5	12	19	30	39	50	56	60	62	64	57	54	A	43	46	37	31	20	24	33.2	64.0
4-Jun-07	19	9	18	21	17	16	20	26	38	48	53	54	53	56	58	58	A	56	54	49	41	31	32	38	37.6	57.7
5-Jun-07	41	42	41	40	36	30	28	28	28	33	39	42	48	47	45	A	42	41	37	34	31	33	25	25	36.4	47.9
6-Jun-07	25	23	24	20	17	12	10	10	11	14	19	26	28	30	A	35	35	34	33	25	21	19	23	20	22.4	34.7
7-Jun-07	17	17	15	15	10	9	12	11	19	34	41	43	43	A	46	49	48	48	46	42	31	24	21	14	28.4	49.2
8-Jun-07	12	12	12	13	10	7	9	19	21	24	29	32	A	32	32	33	29	34	34	24	20	28	26	21	22.4	34.3
9-Jun-07	19	17	15	13	14	14	19	20	22	26	30	A	40	41	40	42	43	46	43	35	26	23	24	27	27.8	45.8
10-Jun-07	23	28	28	22	18	18	21	23	24	27	A	28	27	27	32	36	34	36	35	31	30	28	25	23	27.1	36.4
11-Jun-07	24	22	20	21	25	25	25	26	34	A	43	45	46	44	41	40	38	39	39	38	13	28	27	22	31.5	46.3
12-Jun-07	20	19	18	17	20	16	22	27	A	40	39	40	41	41	40	39	39	39	36	36	31	25	22	8	29.4	41.1
13-Jun-07	9	16	15	18	22	20	19	A	25	32	35	38	39	40	42	44	48	44	44	40	39	34	17	23	30.6	47.9
14-Jun-07	24	23	18	21	23	24	A	34	36	39	42	42	42	47	44	47	51	40	39	39	36	30	30	30	34.8	51.1
15-Jun-07	24	26	26	24	22	A	21	23	26	29	33	38	42	43	45	49	49	44	46	44	40	36	30	21	33.9	48.6
16-Jun-07	18	12	14	19	A	25	26	37	39	41	41	40	40	34	32	40	48	47	43	42	39	33	32	33	33.7	48.1
17-Jun-07	29	29	31	A	16	14	20	19	21	38	43	46	46	49	45	38	48	42	34	36	38	38	32	34	34.2	48.7
18-Jun-07	23	21	A	17	12	13	15	21	25	30	35	38	39	40	41	43	43	42	39	33	25	18	15	15	27.9	42.8
19-Jun-07	20	A	18	18	14	15	16	21	24	26	31	39	42	42	43	43	44	44	43	34	23	17	13	7	27.6	44.0
20-Jun-07	A	16	20	21	19	15	16	19	21	25	33	37	41	44	45	44	45	47	51	47	41	35	31	A	32.3	51.0
21-Jun-07	24	20	17	14	18	21	13	27	28	31	36	43	43	42	40	42	43	41	38	31	24	27	A	22	29.8	43.1
22-Jun-07	20	20	20	20	21	20	20	24	31	38	44	50	51	49	54	53	50	49	46	40	24	A	15	15	33.6	53.9
23-Jun-07	17	17	13	27	39	45	42	44	46	45	46	51	53	53	54	55	54	56	55	53	A	39	34	31	42.1	55.6
24-Jun-07	30	31	30	26	22	23	22	22	29	32	35	40	43	46	45	49	50	51	49	A	42	39	33	37	35.9	51.0
25-Jun-07	31	24	25	17	15	18	23	28	36	29	34	32	38	41	42	38	36	39	A	39	41	42	34	25	31.6	42.4
26-Jun-07	21	21	22	20	15	12	20	21	25	27	31	33	34	35	35	36	39	41	41	39	34	31	23	23	28.3	41.2
27-Jun-07	25	24	A	18	17	17	C	C	C	C	C	C	A	41	41	40	40	39	38	36	33	29	25	26	N	40.7
28-Jun-07	24	23	A	22	24	24	24	25	26	30	33	36	39	39	39	39	41	41	42	38	36	33	27	24	31.7	41.6
29-Jun-07	28	A	23	20	17	14	13	15	14	30	34	44	51	56	54	54	47	38	39	36	31	33	33	32	32.9	55.6
30-Jun-07	41	36	A	30	37	40	35	32	31	30	34	39	40	44	45	47	47	46	43	35	26	31	20	12	35.7	47.1
Hourly Avg	22.8	21.6	19.8	19.1	18.7	18.1	19.7	23.6	26.9	33.0	38.1	41.4	43.5	44.1	44.8	44.9	44.8	44.2	42.4	38.4	32.3	29.9	25.5	23.4		
Hourly Max	40.9	42.0	41.2	40.1	39.2	44.9	42.3	44.1	45.7	48.4	56.3	58.3	59.7	61.5	64.0	58.4	58.3	59.3	58.7	54.3	44.5	42.4	33.6	37.6		

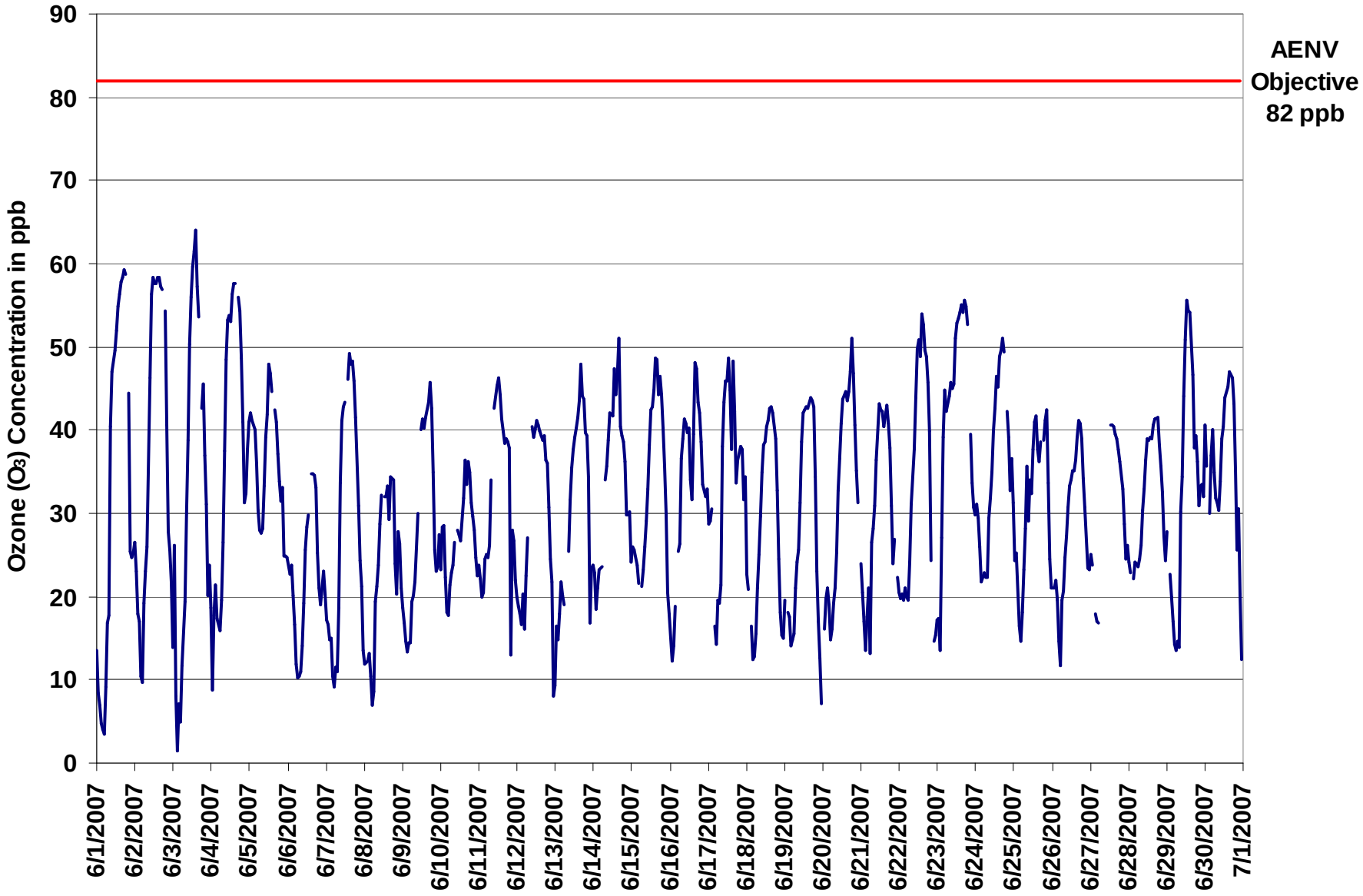


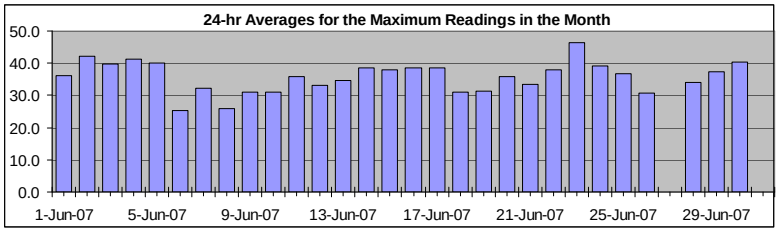
Figure 5. PAS - Crescent Heights Ozone 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

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



Summary

Maximum 1-hr Value:	66.4	ppb	3-Jun	14:00 15:00
Maximum 24-hr Value:	46.2	ppb	23-Jun	

AIC Time:	31 hrs	Operational Time:	683 hrs
Calibration Time:	6 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	60.3	56.5	44.2	36.2	26.0	16.7	12.0	35.7 ppb	36.2 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	18	14	13	11	8	7	17	21	27	49	49	52	54	57	59	60	60	61	60	A	50	29	27	28	36.1	60.6
2-Jun-07	30	27	27	22	18	20	24	26	36	54	59	60	60	59	60	60	60	59	A	57	50	38	28	35	42.2	60.4
3-Jun-07	26	29	25	4	14	10	17	29	36	48	56	59	63	66	66	62	58	A	57	50	42	38	24	30	39.7	66.4
4-Jun-07	24	13	21	24	22	19	23	32	44	52	56	56	55	58	60	60	A	57	57	52	45	38	37	42	41.2	60.3
5-Jun-07	43	44	43	42	41	33	32	31	34	40	42	45	53	51	47	A	45	44	44	37	34	35	31	27	40.0	52.9
6-Jun-07	27	27	25	23	19	16	12	14	14	19	22	29	30	32	A	36	36	37	38	31	24	22	25	23	25.3	37.7
7-Jun-07	23	21	17	17	14	12	13	14	23	42	44	45	46	A	50	52	52	51	49	46	39	29	26	20	32.3	52.4
8-Jun-07	15	14	14	15	12	10	15	23	25	26	31	35	A	34	35	36	34	37	37	32	29	31	30	26	25.9	37.3
9-Jun-07	20	20	16	16	16	18	21	22	24	30	35	A	43	43	42	44	46	49	47	39	35	30	29	30	31.1	49.0
10-Jun-07	28	35	32	26	21	20	24	24	27	29	A	31	29	31	36	42	41	40	38	36	36	34	30	26	31.0	41.9
11-Jun-07	26	25	23	23	28	27	27	30	39	A	48	49	49	49	45	42	41	42	42	40	37	33	33	25	35.8	49.5
12-Jun-07	24	27	25	25	23	21	27	30	A	43	43	43	43	43	42	42	42	42	40	39	35	28	25	14	33.2	43.4
13-Jun-07	17	18	19	22	23	24	22	A	29	36	37	40	41	43	44	50	51	47	47	47	42	40	29	29	34.8	51.1
14-Jun-07	27	27	22	25	27	27	A	36	39	41	44	45	48	49	49	50	58	48	42	43	39	35	32	34	38.6	58.3
15-Jun-07	28	31	30	29	25	A	26	26	31	32	36	43	45	47	49	51	52	48	49	47	46	39	34	30	38.0	51.9
16-Jun-07	26	25	22	24	A	27	34	41	41	43	42	42	43	42	36	46	53	52	46	43	43	38	38	37	38.4	52.6
17-Jun-07	31	31	32	A	24	20	25	23	28	46	46	47	50	52	49	42	55	51	37	39	40	40	40	37	38.5	55.4
18-Jun-07	32	22	A	18	17	16	19	25	29	32	38	41	41	43	43	45	45	44	42	38	27	23	18	18	31.1	45.2
19-Jun-07	25	A	22	20	17	16	22	25	26	29	35	44	44	44	45	44	47	47	46	43	30	20	20	13	31.4	46.8
20-Jun-07	A	22	22	23	23	18	19	21	25	30	37	40	44	51	46	46	46	52	53	54	43	39	34	A	35.9	53.8
21-Jun-07	27	22	19	19	22	25	20	29	30	36	42	45	46	46	44	44	45	43	42	36	32	31	A	27	33.6	45.9
22-Jun-07	23	23	23	21	23	22	21	29	36	44	48	54	54	55	56	55	53	52	49	46	40	A	18	29	38.0	56.1
23-Jun-07	29	21	25	37	47	49	46	50	50	48	49	53	56	55	56	57	56	57	56	56	A	42	38	33	46.2	57.0
24-Jun-07	32	33	34	29	28	26	28	29	34	36	41	43	46	48	47	52	52	53	52	A	44	41	35	38	39.2	52.8
25-Jun-07	38	28	28	27	21	27	26	39	41	33	38	36	42	45	49	40	41	42	A	42	43	44	44	31	36.8	48.5
26-Jun-07	24	22	23	22	17	14	22	23	28	29	33	35	35	37	37	39	42	43	43	42	39	35	28	25	30.7	42.8
27-Jun-07	28	28	A	21	21	18	C	C	C	C	C	C	A	42	42	42	42	40	39	38	35	33	26	28	N	42.3
28-Jun-07	26	25	A	24	26	25	25	27	30	34	35	40	43	41	40	42	42	43	43	40	38	35	31	28	34.0	43.5
29-Jun-07	30	A	28	25	19	16	16	18	21	38	37	55	57	58	57	57	53	44	42	39	37	38	38	37	37.4	58.0
30-Jun-07	46	45	A	33	42	43	40	37	35	32	38	41	43	46	48	49	50	49	46	43	39	40	26	17	40.3	49.7
Hourly Avg	27.4	25.7	24.2	23.0	22.6	21.6	23.7	27.6	31.4	37.5	41.5	44.6	46.6	47.2	47.6	47.9	48.2	47.4	45.8	42.7	38.3	34.4	30.2	28.2		
Hourly Max	45.9	45.5	42.8	41.9	46.7	48.8	45.9	49.6	49.6	53.9	59.1	60.4	62.8	65.9	66.4	62.0	60.3	60.6	60.3	57.3	50.2	44.2	44.1	42.0		

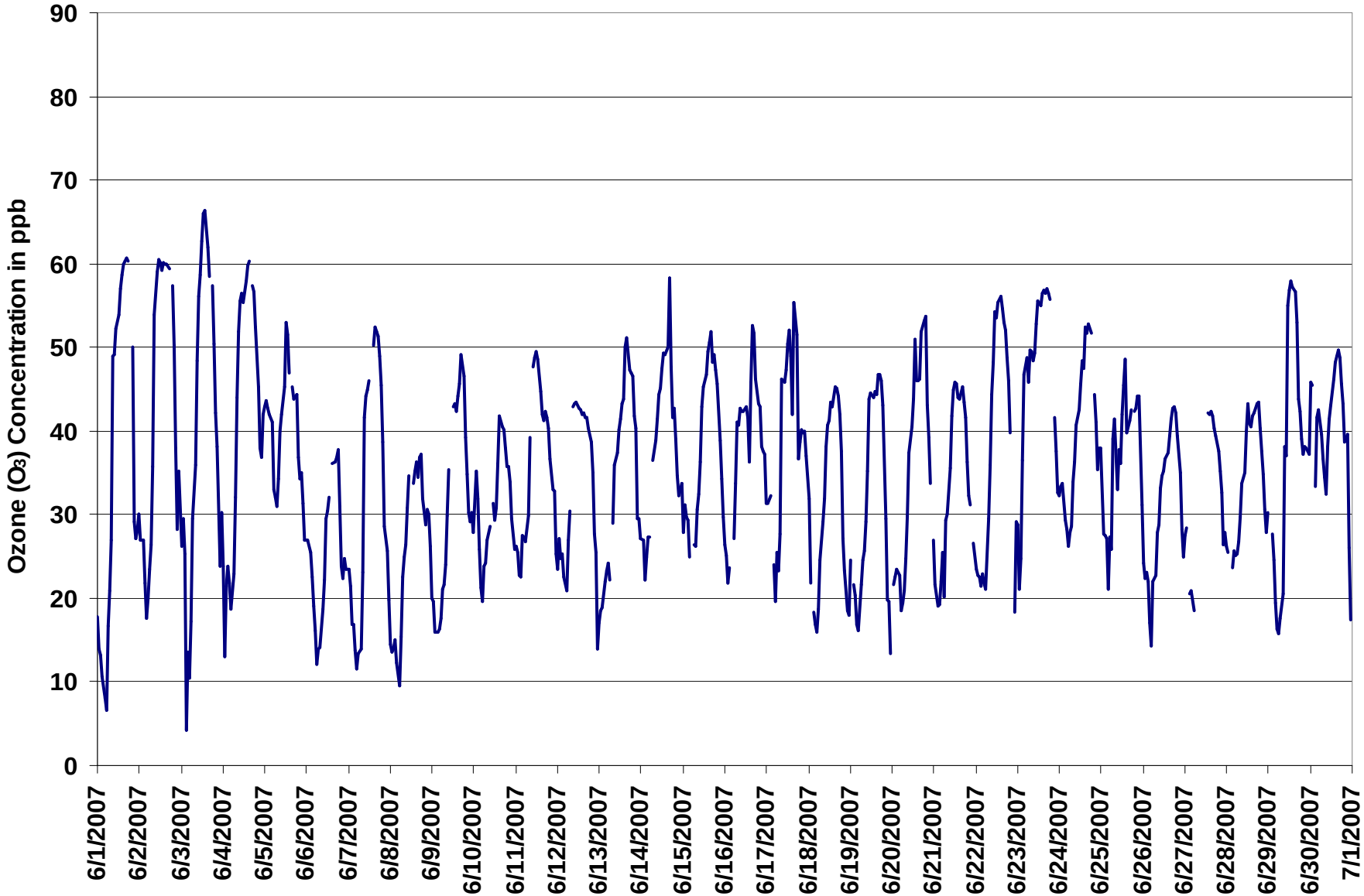
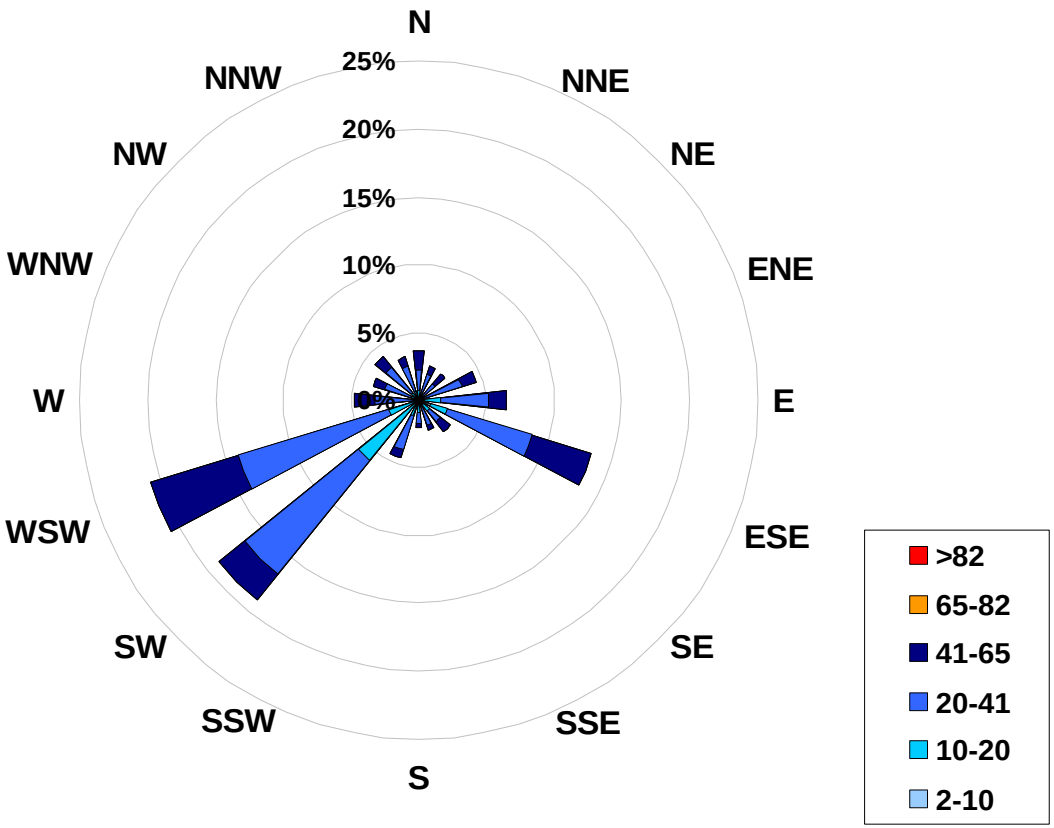


Figure 6. PAS - Crescent Heights Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Ozone (in ppb) Located at the Crescent Heights Site for June 2007



Calms:	0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	18
10	to	20	117
20	to	41	376
41	to	65	172
65	to	82	0
	>	82	0
Total Non-Zero Values			683

PAS - Crescent Heights - Ozone Eight Hour Average Summary

Station: Crescent Heights
Station Owner: PAS

EIGHT HOUR RUNNING AVERAGE TABLE

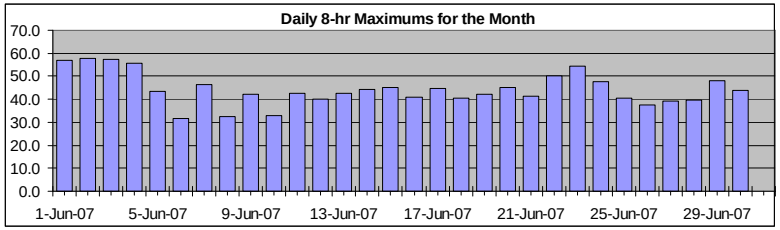
Ozone (O_3)

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:	57.8	ppb	2-Jun	18:00 19:00



Percentile	99	95	75	50	25	5	1
	55.8	49.2	39.3	31.8	23.7	16.5	12.7

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Jun-07	38	34	30	24	19	14	11	8	9	13	18	24	30	36	42	47	52	54	56	57	56	51	47	42	56.7
2-Jun-07	38	33	27	26	21	19	19	18	18	21	26	31	37	43	48	52	56	58	58	57	55	51	46	41	57.8
3-Jun-07	34	30	27	21	17	14	12	12	14	15	20	27	34	41	47	52	55	58	56	55	52	47	41	36	57.5
4-Jun-07	31	28	25	22	20	18	18	18	21	26	30	34	38	44	48	52	54	55	56	55	53	49	46	43	55.5
5-Jun-07	43	41	39	38	38	38	37	36	34	33	33	33	35	37	39	40	42	43	43	42	40	38	35	34	43.4
6-Jun-07	31	29	27	26	24	21	19	18	16	15	14	15	16	19	20	23	27	30	32	31	30	29	28	26	31.5
7-Jun-07	24	22	20	18	17	16	14	13	13	16	19	22	26	29	34	39	43	46	46	46	44	42	39	34	46.2
8-Jun-07	30	25	21	17	15	13	11	12	13	14	17	19	20	24	27	29	30	32	32	31	30	29	29	27	32.4
9-Jun-07	26	24	21	20	19	17	17	16	17	18	20	21	24	28	31	34	37	40	42	41	39	37	35	33	42.2
10-Jun-07	31	29	27	25	24	24	23	23	23	23	22	23	24	25	27	29	30	31	32	32	33	33	32	30	32.7
11-Jun-07	29	27	25	24	23	23	23	23	25	25	28	32	35	38	40	42	43	42	42	41	37	35	33	30	42.6
12-Jun-07	28	26	23	20	21	20	19	20	20	23	26	29	32	36	38	40	40	40	39	39	38	36	33	29	40.1
13-Jun-07	26	23	20	18	17	16	16	17	19	22	24	27	30	33	36	37	40	41	42	42	42	42	39	36	42.5
14-Jun-07	33	30	27	25	23	22	22	24	26	28	31	34	37	40	41	42	44	44	44	44	43	41	39	37	44.4
15-Jun-07	34	32	30	28	26	26	25	24	24	24	25	27	30	32	35	38	41	43	45	45	45	44	42	39	45.3
16-Jun-07	35	31	27	24	21	20	19	22	25	29	33	36	36	37	38	38	39	40	41	41	41	41	41	40	40.8
17-Jun-07	37	35	33	32	29	26	25	23	21	23	25	27	31	35	38	41	44	45	43	42	41	40	38	38	44.6
18-Jun-07	35	32	32	29	25	22	19	17	18	19	21	24	27	30	34	36	39	40	41	40	38	35	32	29	40.6
19-Jun-07	26	23	20	18	17	16	16	17	18	19	21	23	27	30	33	36	39	41	42	42	39	36	32	28	42.4
20-Jun-07	26	22	19	17	16	16	16	18	18	20	21	23	26	29	33	36	39	42	44	45	45	44	42	42	45.2
21-Jun-07	39	36	31	26	23	21	18	19	20	21	23	27	30	33	36	38	40	41	41	40	38	36	35	32	41.4
22-Jun-07	29	26	24	22	21	20	20	21	22	24	27	31	35	38	43	46	48	50	50	49	45	45	39	34	50.0
23-Jun-07	29	25	20	18	21	24	27	31	34	38	42	45	46	47	49	50	51	53	54	54	54	52	49	46	54.2
24-Jun-07	42	39	35	31	30	28	27	26	26	26	26	28	31	34	37	40	42	45	47	48	48	47	45	43	47.6
25-Jun-07	40	37	33	31	28	25	24	23	23	24	25	27	30	33	35	36	36	37	38	39	39	39	38	36	40.3
26-Jun-07	34	32	31	28	25	21	19	19	19	20	21	23	25	28	30	32	34	36	37	38	38	37	36	34	37.6
27-Jun-07	32	30	28	25	23	21	N	N	N	N	N	N	N	N	N	N	N	N	N	39	38	37	35	33	39.1
28-Jun-07	31	29	28	26	25	24	24	24	24	25	26	28	30	31	33	35	37	38	39	40	39	39	37	35	39.7
29-Jun-07	34	32	30	27	24	22	20	19	17	18	20	23	27	32	37	42	46	47	48	47	44	42	39	36	47.9
30-Jun-07	35	35	35	34	35	36	36	36	34	34	34	35	35	36	37	39	41	43	44	43	42	40	37	32	44.0
Hourly Max	42.8	41.0	39.4	38.3	37.7	37.6	37.0	35.8	34.4	37.7	41.7	44.7	46.4	47.5	49.0	52.4	56.3	57.6	57.8	57.2	55.7	52.3	49.3	45.9	

PAS - Crescent Heights - Carbon Monoxide Monthly Summary

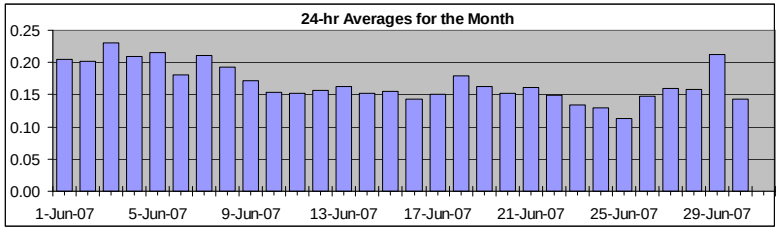
HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

Station: Crescent Heights
Station Owner: PAS

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:	0.3	ppm	1-Jun	8:00 9:00
Maximum 24-hr Value:	0.2	ppm	3-Jun	

AIC Time:	31 hrs	Operational Time:	686 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2 ppm	0.2 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.20	0.33
2-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	A	0.2	0.2	0.2	0.2	0.2	0.20	0.25
3-Jun-07	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.2	0.2	0.2	0.3	0.3	0.23	0.29
4-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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.25
5-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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.22	0.25
6-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.26
7-Jun-07	0.2	0.2	0.2	0.2	0.2	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	0.2	0.2	0.2	0.2	0.21	0.29
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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.25
9-Jun-07	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.17	0.30
10-Jun-07	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.15	0.20
11-Jun-07	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	A	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.15	0.19
12-Jun-07	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	A	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	0.16	0.20
13-Jun-07	0.2	0.1	0.1	0.1	0.1	0.1	0.2	A	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	0.2	0.2	0.2	0.16	0.24
14-Jun-07	0.2	0.1	0.1	0.1	0.1	0.1	A	0.2	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	0.15	0.19
15-Jun-07	0.2	0.2	0.2	0.2	0.1	A	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.15	0.20
16-Jun-07	0.1	0.1	0.1	0.1	A	0.1	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	0.2	0.2	0.2	0.14	0.21
17-Jun-07	0.1	0.1	0.1	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	0.2	0.1	0.1	0.1	0.1	0.1	0.15	0.18
18-Jun-07	0.1	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.21
19-Jun-07	0.2	A	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16	0.21
20-Jun-07	A	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	0.2	0.2	0.2	0.2	0.2	0.2	A	0.15	0.20
21-Jun-07	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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	A	0.2	0.16	0.22
22-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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.15	0.25
23-Jun-07	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	A	0.1	0.1	0.1	0.13	0.22
24-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	A	0.1	0.1	0.1	0.1	0.13	0.15
25-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	A	0.1	0.1	0.1	0.1	0.1	0.11	0.15
26-Jun-07	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.15	0.18
27-Jun-07	0.1	0.1	A	0.2	0.1	0.1	0.2	C	C	C	A	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.16	0.18
28-Jun-07	0.1	0.1	A	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	0.2	0.2	0.2	0.2	0.2	0.16	0.20
29-Jun-07	0.2	A	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.26
30-Jun-07	0.2	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	0.14	0.21
Hourly Avg	0.16	0.16	0.16	0.15	0.15	0.16	0.18	0.18	0.17	0.16	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.19	0.18		
Hourly Max	0.26	0.24	0.22	0.24	0.21	0.26	0.29	0.28	0.33	0.28	0.24	0.23	0.20	0.20	0.21	0.21	0.25	0.25	0.27	0.25	0.25	0.30	0.29	0.26		

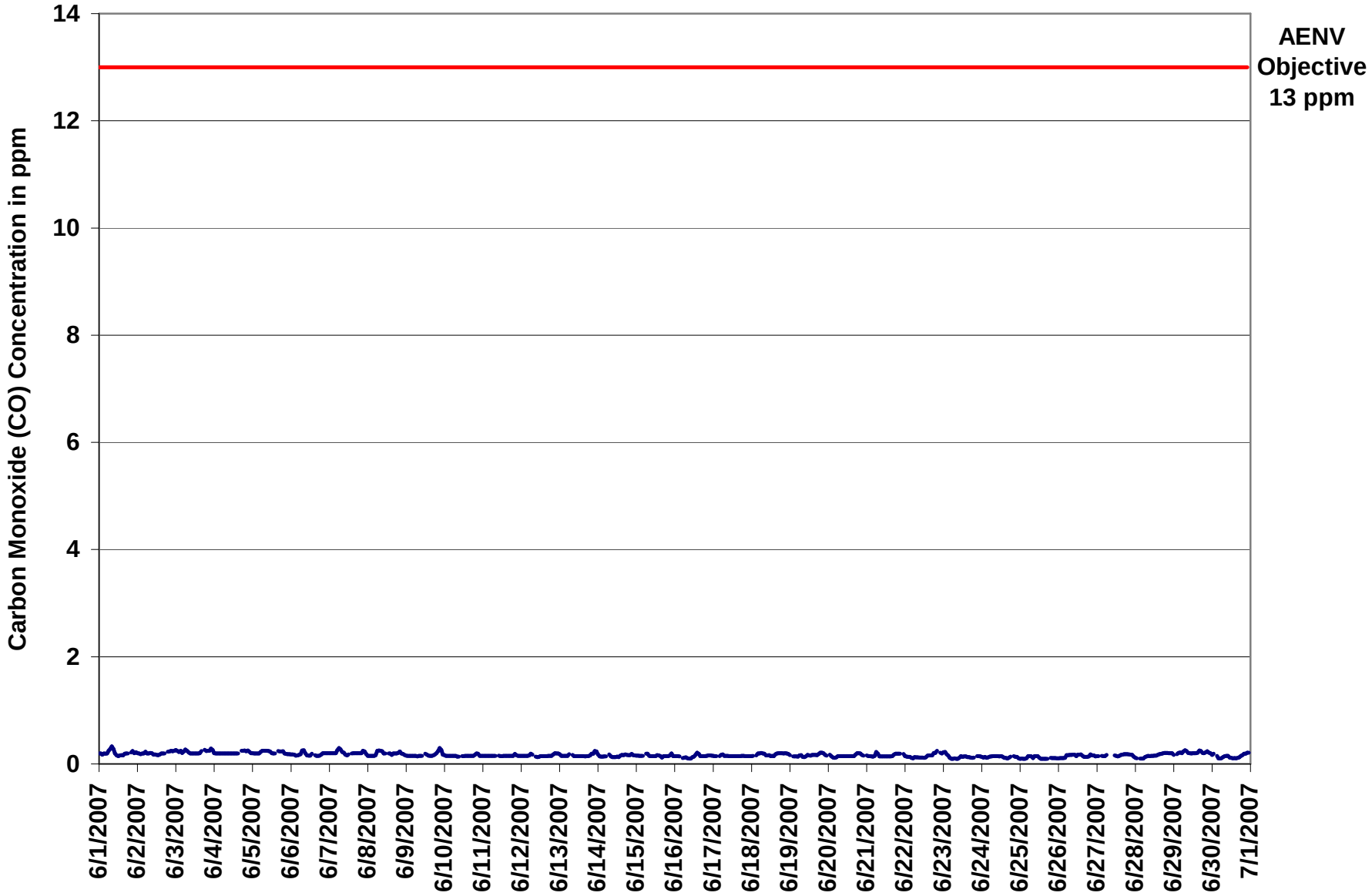


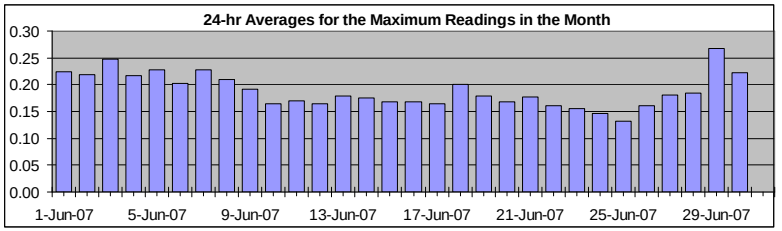
Figure 7. PAS - Crescent Heights Carbon Monoxide 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

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



Summary

Maximum 1-hr Value:	0.5	ppm	30-Jun	21:00 22:00
Maximum 24-hr Value:	0.3	ppm	29-Jun	

AIC Time:	31 hrs	Operational Time:	686 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2 ppm	0.2 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.22	0.34
2-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	A	0.2	0.2	0.2	0.2	0.2	0.22	0.25
3-Jun-07	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.3	0.2	0.2	0.3	0.3	0.25	0.30
4-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	A	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.22	0.25
5-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.23	0.30
6-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.31
7-Jun-07	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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.23	0.30
8-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.30
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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.19	0.34
10-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	A	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16	0.20
11-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.17	0.20
12-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	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	0.17	0.20
13-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	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	0.3	0.3	0.18	0.29
14-Jun-07	0.2	0.2	0.1	0.1	0.2	0.2	A	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.17	0.22
15-Jun-07	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.17	0.25
16-Jun-07	0.1	0.1	0.1	0.1	A	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.17	0.25
17-Jun-07	0.2	0.1	0.1	A	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.17	0.20
18-Jun-07	0.1	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.25
19-Jun-07	0.2	A	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.21
20-Jun-07	A	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	0.2	0.2	0.2	0.2	0.2	0.2	A	0.17	0.25
21-Jun-07	0.2	0.1	0.1	0.1	0.1	0.2	0.3	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	A	0.2	0.18	0.29
22-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	A	0.2	0.2	0.16	0.26
23-Jun-07	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	A	0.1	0.1	0.1	0.16	0.25
24-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	A	0.1	0.1	0.1	0.1	0.15	0.15
25-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	A	0.1	0.1	0.2	0.2	0.1	0.13	0.15
26-Jun-07	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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.16	0.19
27-Jun-07	0.1	0.1	A	0.2	0.1	0.1	0.2	C	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	0.2	0.2	0.18	0.23
28-Jun-07	0.2	0.2	A	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	0.3	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.18	0.26
29-Jun-07	0.2	A	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.27	0.35
30-Jun-07	0.2	0.3	A	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.5	0.3	0.3	0.22	0.46
Hourly Avg	0.19	0.18	0.16	0.17	0.17	0.18	0.21	0.21	0.19	0.18	0.18	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.20	0.21	0.22	0.22	0.22	0.20		
Hourly Max	0.30	0.29	0.25	0.25	0.25	0.30	0.35	0.31	0.34	0.34	0.25	0.25	0.25	0.25	0.28	0.30	0.35	0.30	0.30	0.30	0.30	0.46	0.30	0.30		

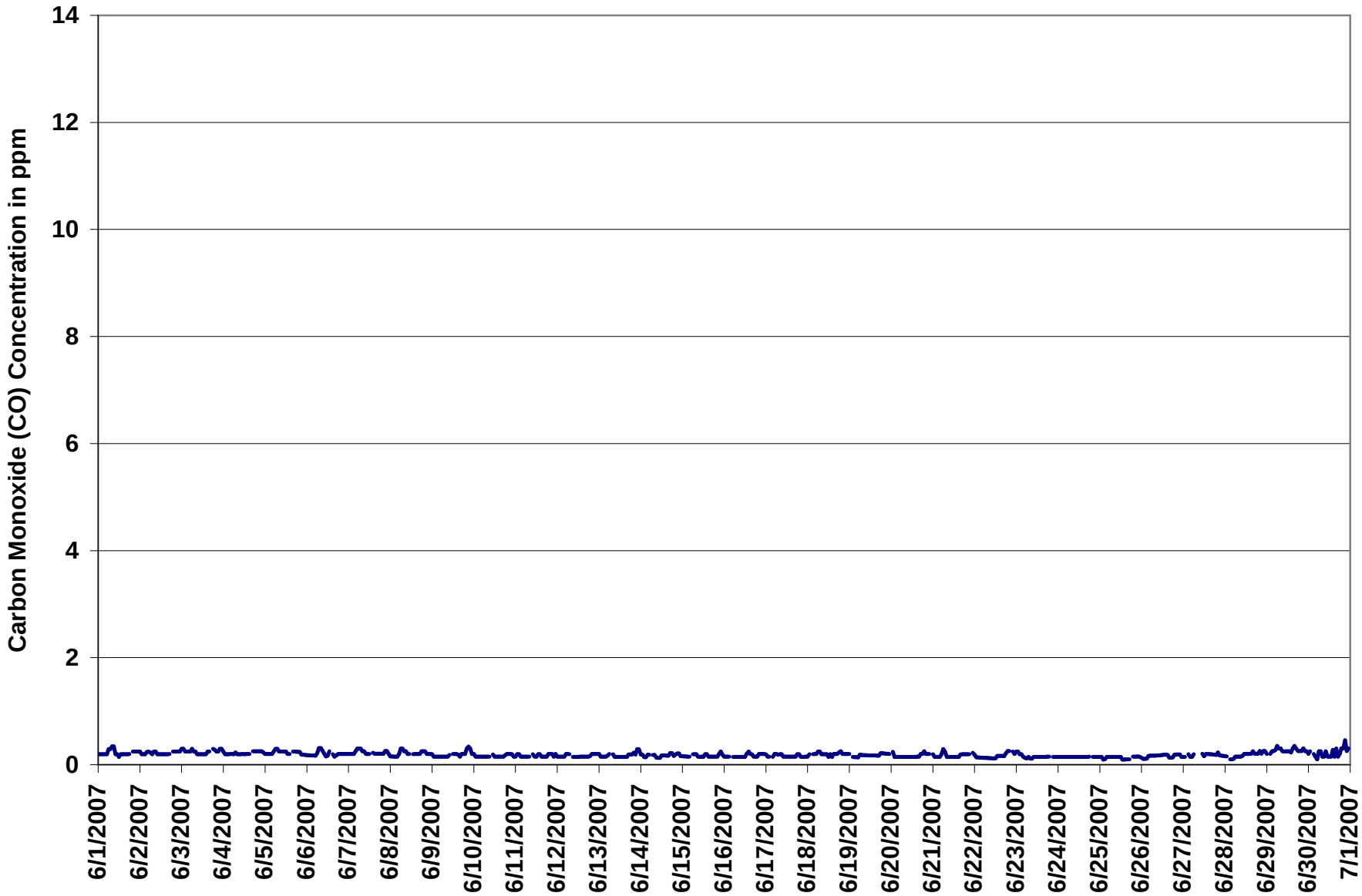
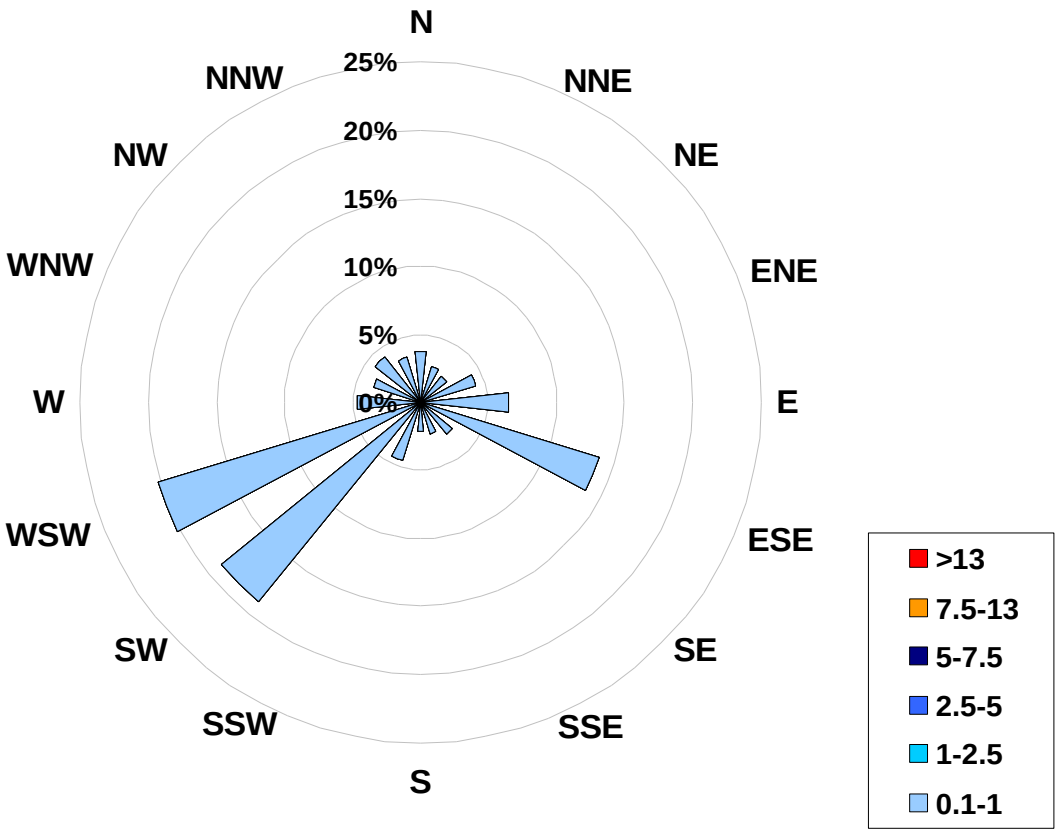


Figure 8. PAS - Crescent Heights Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

1-hr Average Concentration Rose for Carbon Monoxide (in ppm) Located at the Crescent Heights Site for June 2007



Calms:	0%

Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0.1	<	1	686
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			686

PAS - Crescent Heights - Carbon Monoxide Eight Hour Average Summary

EIGHT HOUR RUNNING AVERAGE TABLE

Carbon Monoxide (CO)

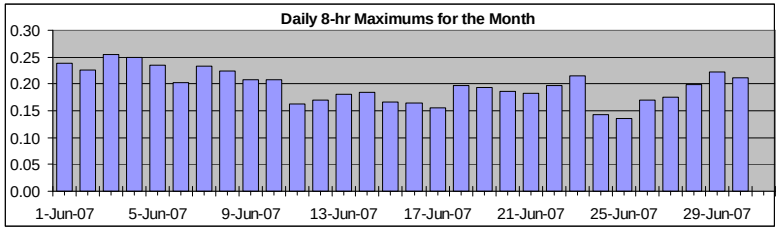
Station: Crescent Heights
Station Owner: PAS

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:	0.3	ppm	3-Jun	23:00 0:00



Status Flag Characters

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

Percentile	99	95	75	50	25	5	1
	0.2	0.2	0.2	0.2	0.1	0.1	0.1

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-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	0.24
2-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	0.23
3-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	0.25
4-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	0.25
5-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	0.24
6-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	0.20
7-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	0.23
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	0.22
9-Jun-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21
10-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	0.2	0.2	0.2	0.2	0.2	0.21
11-Jun-07	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	0.2	0.2	0.2	0.2	0.16
12-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	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.17
13-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	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.18
14-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	0.2	0.2	0.2	0.2	0.2	0.2	0.19
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	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.17
16-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.16
18-Jun-07	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20
19-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19
20-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.19
21-Jun-07	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.18
22-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.20
23-Jun-07	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	0.21
24-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	0.14
25-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	0.14
26-Jun-07	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	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.17
27-Jun-07	0.1	0.2	0.2	0.2	0.1	0.1	0.1	N	N	N	N	N	N	N	N	N	N	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18
28-Jun-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20
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	0.22
30-Jun-07	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	0.2	0.2	0.21
Hourly Max	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.24	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.25	0.25	

PAS - Crescent Heights - Total Hydrocarbons Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

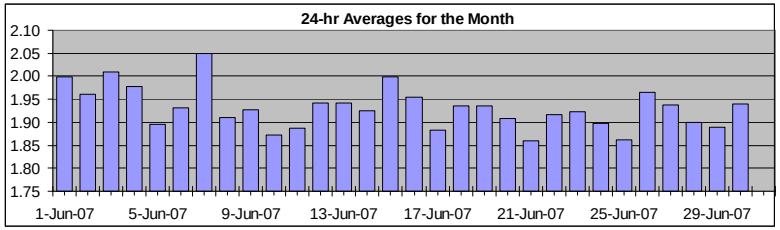
Total Hydrocarbons (THC)

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:	2.3	ppm	2-Jun	5:00 6:00
Maximum 24-hr Value:	2.0	ppm	7-Jun	



AIC Time:	30 hrs	Operational Time:	687 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.2	2.1	2.0	1.9	1.9	1.8	1.8	1.9 ppm	1.9 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	2.0	2.0	1.9	1.9	2.00	2.19
2-Jun-07	1.9	1.9	2.0	2.0	2.2	2.3	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	2.0	2.0	2.0	2.0	1.96	2.35
3-Jun-07	2.1	2.1	2.2	2.3	2.1	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	2.1	2.2	2.01	2.28
4-Jun-07	2.1	2.1	2.1	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.98	2.18
5-Jun-07	1.9	1.9	1.9	1.9	2.0	2.2	2.2	2.0	2.1	2.0	1.9	1.9	1.8	1.8	1.8	A	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.90	2.17
6-Jun-07	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	1.93	2.15
7-Jun-07	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.2	2.1	2.0	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	2.05	2.28
8-Jun-07	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.91	2.02
9-Jun-07	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.0	1.9	1.93	2.06
10-Jun-07	1.9	1.9	1.9	2.1	1.9	1.9	1.9	1.8	1.8	1.8	A	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.87	2.11
11-Jun-07	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.89	2.00
12-Jun-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	1.94	2.06
13-Jun-07	2.1	2.0	2.0	2.0	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	2.2	2.0	1.94	2.18
14-Jun-07	2.0	2.0	2.0	2.0	1.9	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.92	2.04
15-Jun-07	2.0	2.0	2.0	2.0	2.0	A	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.3	2.2	2.2	2.00	2.29
16-Jun-07	2.2	2.2	2.1	2.1	A	2.1	2.1	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.95	2.18
17-Jun-07	1.9	2.0	1.9	A	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.88	2.01
18-Jun-07	1.9	2.0	A	2.0	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.94	2.05
19-Jun-07	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	1.94	2.00
20-Jun-07	A	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.91	2.00
21-Jun-07	1.9	1.9	2.0	2.0	1.9	1.9	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	A	1.9	1.86	1.99
22-Jun-07	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	A	2.0	2.0	1.92	2.10
23-Jun-07	2.1	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.92	2.11
24-Jun-07	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	A	1.8	1.8	1.8	1.8	1.90	2.06
25-Jun-07	1.8	1.8	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	A	1.8	1.9	1.9	1.9	1.9	1.86	1.99
26-Jun-07	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	C	C	A	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.96	2.03
27-Jun-07	2.0	2.0	A	2.1	2.0	2.0	2.0	1.9	M	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.94	2.07
28-Jun-07	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.90	1.99
29-Jun-07	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.89	2.01
30-Jun-07	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.2	1.94	2.18
Hourly Avg	1.96	1.97	1.98	2.00	1.99	2.01	2.00	1.96	1.95	1.91	1.90	1.89	1.89	1.88	1.88	1.88	1.87	1.88	1.88	1.89	1.93	1.93	1.97	1.96		
Hourly Max	2.18	2.16	2.21	2.28	2.25	2.35	2.27	2.24	2.12	2.00	1.97	1.97	1.97	1.95	1.94	1.93	1.93	1.93	1.96	2.01	2.10	2.29	2.21	2.19		

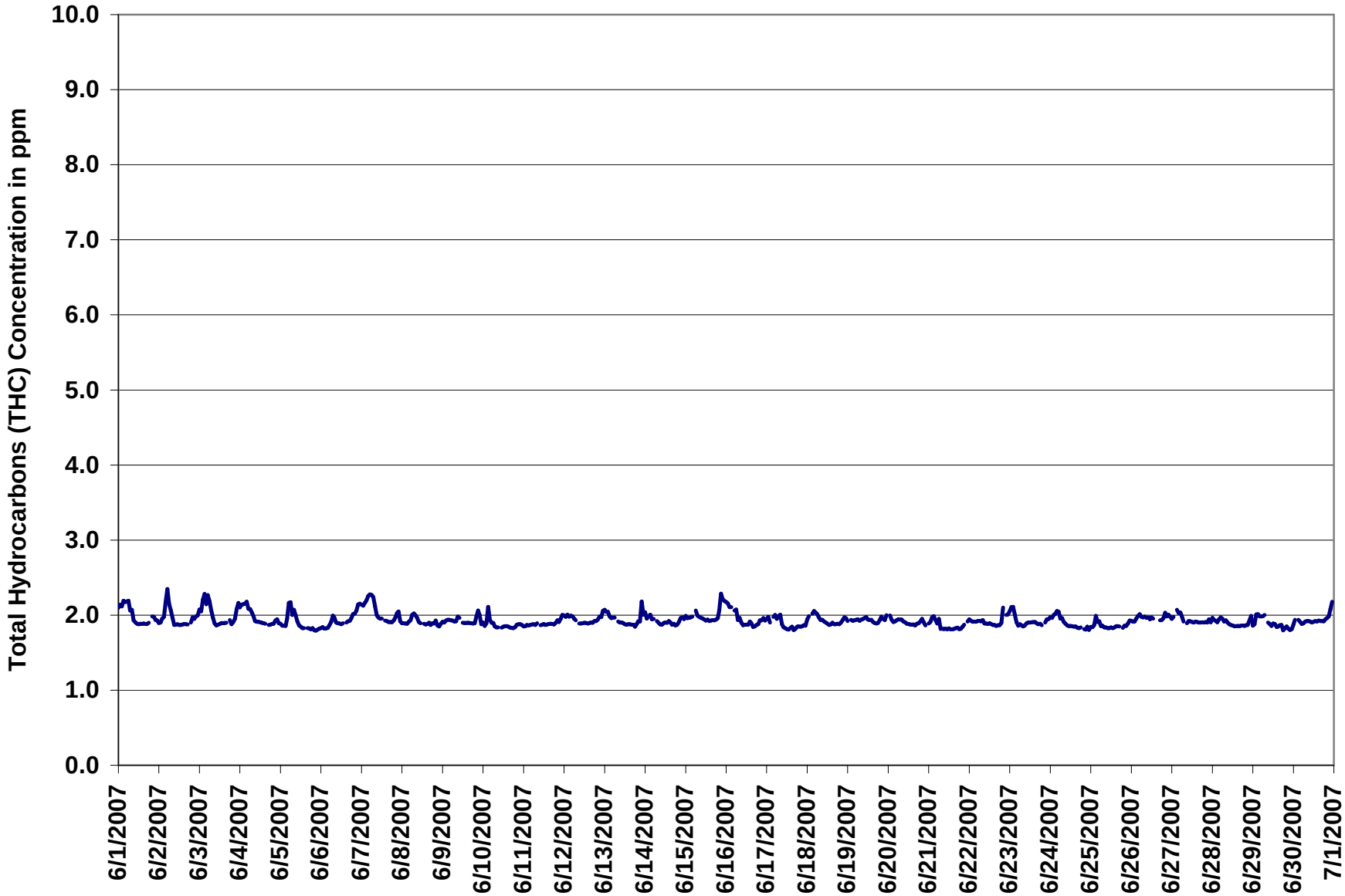


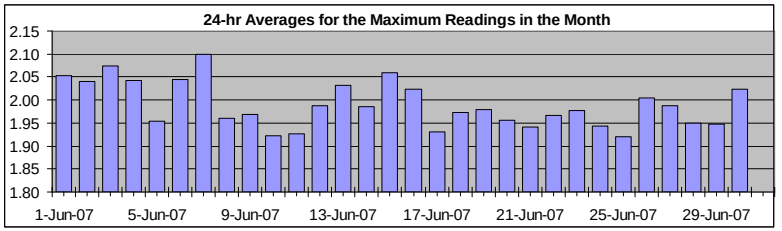
Figure 9. PAS - Crescent Heights Total Hydrocarbons 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

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



Summary

Maximum 1-hr Value:	3.2	ppm	13-Jun	22:00 23:00
Maximum 24-hr Value:	2.1	ppm	7-Jun	

AIC Time:	30 hrs	Operational Time:	687 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	99.9%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.5	2.2	2.0	2.0	1.9	1.9	1.8	2.0 ppm	2.0 ppm

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	2.2	2.3	2.2	2.2	2.3	2.2	2.3	2.1	2.1	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	A	2.1	2.1	2.0	2.0	2.05	2.28
2-Jun-07	1.9	1.9	2.1	2.0	2.6	2.6	2.3	2.2	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	2.0	2.0	2.0	2.1	2.04	2.61
3-Jun-07	2.2	2.1	2.3	2.4	2.2	2.4	2.3	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	2.0	1.9	1.9	2.0	2.2	2.3	2.07	2.44
4-Jun-07	2.5	2.3	2.3	2.2	2.3	2.1	2.2	2.1	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.04	2.52
5-Jun-07	2.0	1.9	1.9	1.9	2.1	2.3	2.3	2.2	2.2	2.1	2.0	1.9	1.9	1.8	1.8	A	1.8	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.95	2.28
6-Jun-07	1.8	1.9	1.9	1.8	1.8	1.9	2.1	2.2	2.1	2.0	2.0	1.9	1.9	1.9	A	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.8	2.9	2.04	2.86
7-Jun-07	2.3	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.2	2.1	2.0	2.0	2.0	A	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.0	2.10	2.35
8-Jun-07	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.1	2.0	2.0	1.9	A	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.9	1.9	2.0	1.96	2.09
9-Jun-07	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.1	1.9	1.97	2.22
10-Jun-07	1.9	1.9	1.9	2.3	2.1	1.9	2.0	2.0	1.9	1.9	A	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.92	2.30
11-Jun-07	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.1	2.1	1.93	2.10
12-Jun-07	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	A	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	1.9	2.0	2.0	2.0	2.1	1.99	2.11
13-Jun-07	2.2	2.1	2.1	2.0	2.0	2.0	2.1	A	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	3.2	2.2	2.03	3.19
14-Jun-07	2.1	2.0	2.0	2.1	2.0	2.0	A	2.4	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.98	2.38
15-Jun-07	2.1	2.0	2.0	2.1	2.0	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	2.2	2.4	2.4	2.3	2.06	2.39
16-Jun-07	2.2	2.2	2.1	2.2	A	2.1	2.1	2.0	2.2	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.02	2.21
17-Jun-07	2.1	2.1	2.0	A	2.0	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.93	2.10
18-Jun-07	2.0	2.0	A	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	1.97	2.11
19-Jun-07	2.0	A	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	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.1	1.98	2.09
20-Jun-07	A	2.1	2.0	1.9	1.9	2.0	2.0	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.1	2.0	2.0	1.9	A	1.96	2.14
21-Jun-07	1.9	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.7	A	2.0	1.94	2.66
22-Jun-07	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.1	2.2	A	2.1	2.1	1.97	2.18
23-Jun-07	2.1	2.2	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	2.0	2.0	2.0	1.98	2.25
24-Jun-07	2.0	2.0	2.0	2.1	2.2	2.2	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.8	1.9	1.9	1.9	1.94	2.20
25-Jun-07	1.9	1.9	1.9	2.5	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	2.0	1.92	2.49
26-Jun-07	2.0	1.9	1.9	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	C	C	A	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.00	2.11
27-Jun-07	2.0	2.0	A	2.1	2.1	2.1	2.0	2.0	M	1.9	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.0	1.99	2.12
28-Jun-07	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.3	1.95	2.29
29-Jun-07	1.9	1.9	2.1	2.1	2.1	2.0	2.0	2.0	A	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.9	1.95	2.13
30-Jun-07	1.9	2.0	A	2.1	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.9	2.02	2.89
Hourly Avg	2.03	2.02	2.04	2.08	2.06	2.07	2.06	2.03	2.00	1.96	1.93	1.91	1.92	1.91	1.91	1.91	1.91	1.92	1.93	1.95	1.99	2.02	2.08	2.08		
Hourly Max	2.52	2.30	2.30	2.49	2.61	2.61	2.31	2.38	2.23	2.13	2.04	1.99	2.01	1.99	2.01	2.00	2.04	2.04	2.04	2.13	2.24	2.66	3.19	2.89		

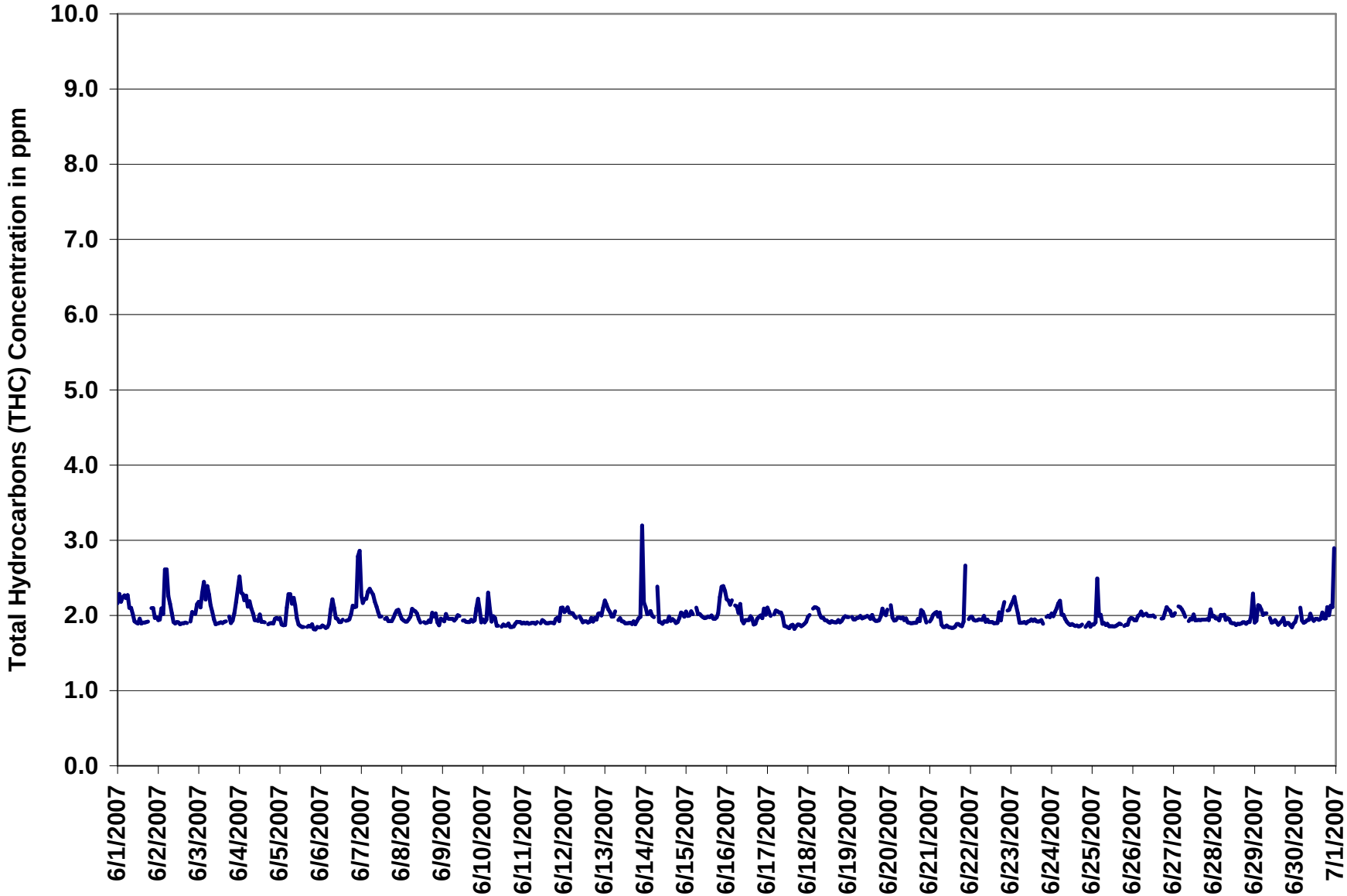
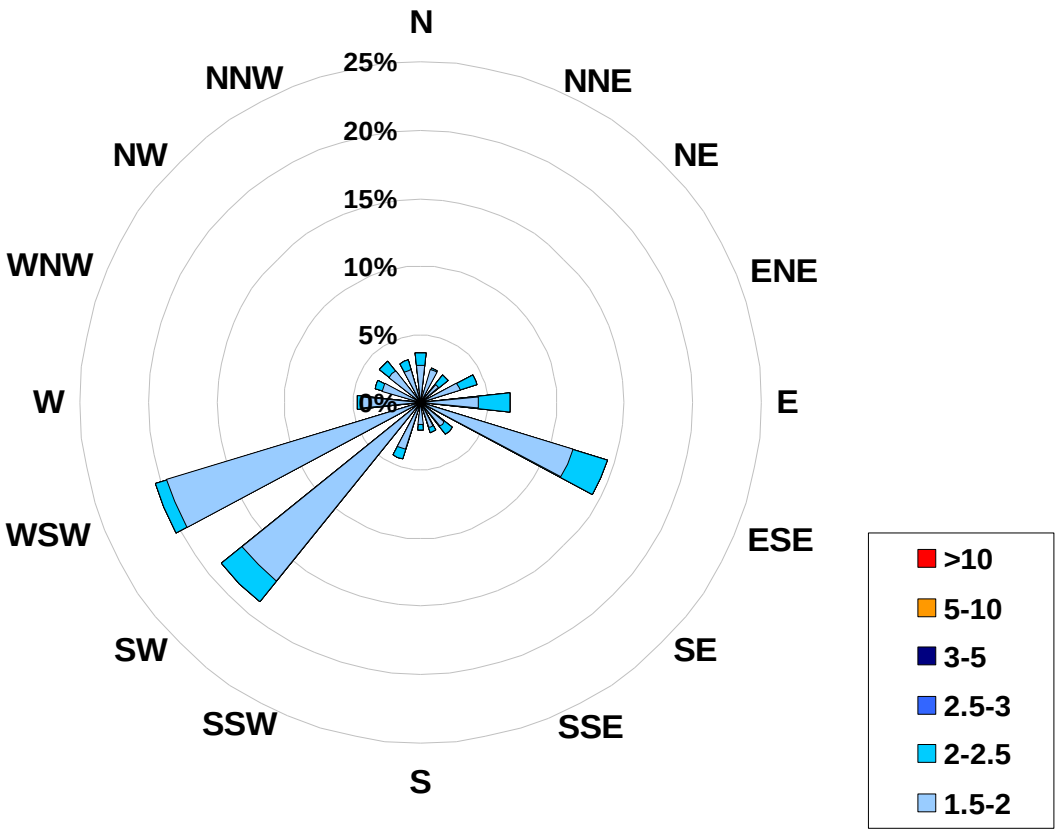


Figure 10. PAS - Crescent Heights Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of THC in ppm			
Range			Frequency (hrs)
1.5	<	2	579
2	to	2.5	108
2.5	to	3	0
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			687

PAS - Crescent Heights - Particulate Matter (less than 2.5 microns) Monthly Summary

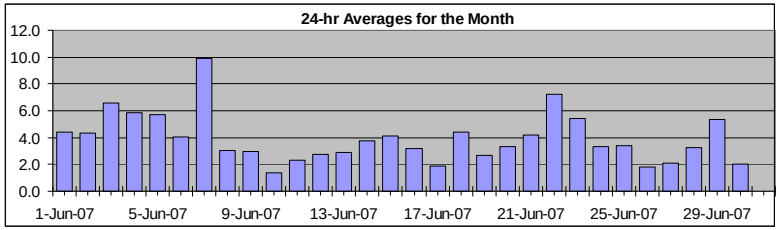
Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

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

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



Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	19.6	µg/m³	22-Jun	20:00 21:00
Maximum 24-hr Value:	9.9	µg/m³	7-Jun	

AIC Time:	0 hrs	Operational Time:	699 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	97.8%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	14.4	10.0	5.5	3.3	1.4	0.0	0.0	4.0 3 µg/m³	3.6 µg/m³

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	3	4	4	5	5	6	6	7	9	3	3	2	1	1	1	3	2	1	2	5	7	12	5	6	4.4	11.6
2-Jun-07	5	3	3	2	5	3	4	6	3	D	0	1	4	3	2	3	4	3	5	6	11	9	9	7	4.3	11.1
3-Jun-07	12	7	9	9	6	10	9	8	4	1	0	0	0	1	6	6	15	4	10	10	7	9	9	7	6.6	15.2
4-Jun-07	4	5	5	4	3	4	6	7	3	4	5	6	6	4	5	7	8	6	8	7	6	10	10	5	5.9	10.2
5-Jun-07	4	6	8	9	8	9	8	11	10	7	8	10	1	7	4	2	5	4	6	9	1	0	0	0	5.7	11.2
6-Jun-07	0	0	0	0	0	2	4	7	9	0	2	0	1	1	1	2	3	5	8	10	11	8	9	13	4.0	12.5
7-Jun-07	15	13	13	11	14	14	12	13	7	D	4	8	8	10	9	12	12	10	9	8	9	9	6	2	9.9	15.1
8-Jun-07	1	0	0	2	2	4	6	5	6	6	5	3	2	4	3	3	2	1	1	6	7	0	3	2	3.1	6.6
9-Jun-07	0	1	1	0	0	1	1	3	4	6	4	2	2	1	0	0	D	2	4	3	10	14	6	3	3.0	13.6
10-Jun-07	6	0	2	3	0	0	0	0	D	0	0	0	1	0	0	0	1	3	2	5	1	4	4	1	1.4	6.2
11-Jun-07	2	1	1	0	D	0	1	3	5	5	2	5	4	1	D	2	1	1	4	2	3	2	5	1	2.3	5.2
12-Jun-07	3	1	2	2	3	1	2	3	0	0	3	3	3	2	4	0	1	2	16	5	3	3	2	1	2.8	15.6
13-Jun-07	2	1	2	1	1	2	3	3	2	0	0	2	3	2	3	2	2	3	6	9	6	5	6	4	2.9	9.4
14-Jun-07	3	2	6	4	3	3	3	1	3	1	2	5	7	4	6	1	4	16	4	1	3	3	2	1	3.7	16.4
15-Jun-07	3	2	3	3	3	3	4	4	4	5	5	4	2	4	0	0	3	9	4	6	8	7	8	6	4.2	8.8
16-Jun-07	4	4	3	3	1	4	5	2	5	4	4	1	11	6	5	0	D	5	1	0	0	0	3	1	3.2	10.9
17-Jun-07	1	0	0	2	1	5	0	8	6	D	0	D	0	2	3	5	0	2	0	0	1	3	0	2	1.9	8.4
18-Jun-07	4	6	5	4	5	5	6	6	5	6	1	4	4	4	4	5	4	6	7	5	5	3	2	0	4.4	7.1
19-Jun-07	0	1	0	1	1	2	5	0	3	2	5	3	2	3	2	0	0	3	4	5	11	6	3	2	2.7	11.3
20-Jun-07	3	0	0	0	1	4	3	4	7	6	0	D	1	1	2	0	3	5	6	7	7	7	3	3	3.3	7.4
21-Jun-07	4	0	3	2	3	4	8	0	2	2	5	0	0	5	2	5	2	9	9	8	5	9	8	4	4.2	9.3
22-Jun-07	0	0	0	1	1	4	6	10	9	0	2	3	7	8	10	8	9	8	11	12	20	19	17	10	7.2	19.6
23-Jun-07	14	9	13	0	1	6	7	1	5	3	8	9	5	5	5	7	5	2	3	5	5	4	4	3	5.4	14.4
24-Jun-07	1	1	2	4	4	4	6	6	4	3	3	4	0	0	8	D	9	0	4	4	3	4	2	0	3.3	9.0
25-Jun-07	3	3	3	3	4	5	D	D	9	5	D	4	D	0	2	2	2	8	2	2	5	3	2	0	3.4	9.2
26-Jun-07	0	0	0	1	2	3	1	3	1	2	3	4	5	C	C	C	C	C	0	0	3	3	2	2	1.8	5.2
27-Jun-07	2	2	1	1	2	2	3	7	0	2	10	2	D	2	2	2	2	1	2	1	2	1	0	1	2.1	10.3
28-Jun-07	0	1	1	0	1	1	3	2	2	2	4	4	5	4	4	5	5	5	5	5	6	5	5	3	3.3	5.8
29-Jun-07	5	4	5	5	5	6	7	6	8	6	6	3	7	6	4	8	10	5	3	0	5	5	4	8	5.3	9.8
30-Jun-07	0	1	2	0	0	0	2	2	3	3	1	1	0	0	1	1	1	2	2	2	3	3	8	9	2.0	9.5
Hourly Avg	3.6	2.6	3.2	2.7	2.9	3.9	4.5	4.8	4.8	3.2	3.4	3.2	3.3	3.1	3.5	3.3	4.2	4.5	5.0	5.0	5.8	5.6	4.8	3.7		
Hourly Max	15.1	12.6	13.0	11.2	13.8	13.7	12.1	12.7	9.5	7.2	10.3	9.5	10.9	10.0	9.6	12.4	15.2	16.4	15.6	12.2	19.6	18.8	16.8	12.5		

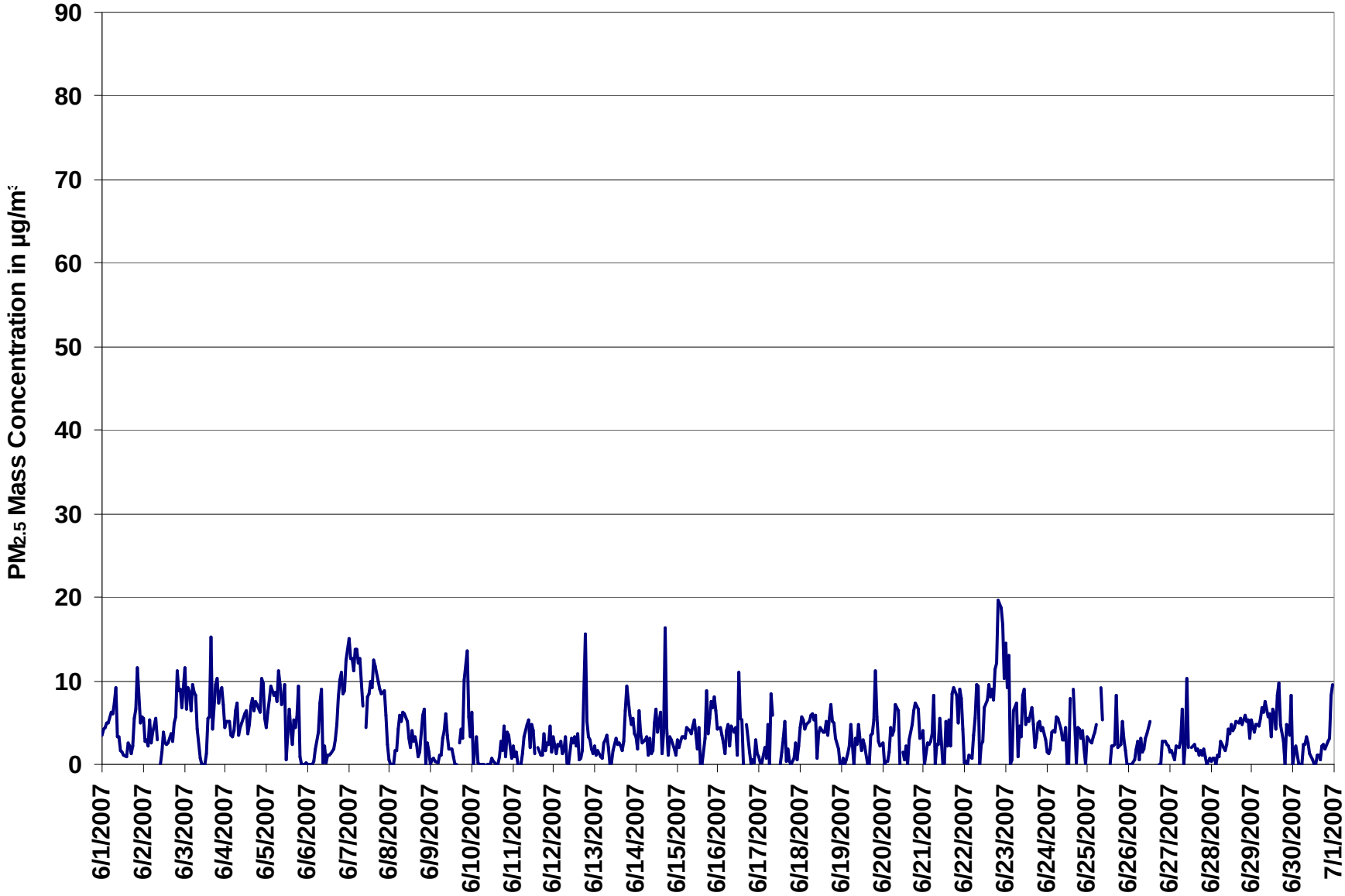


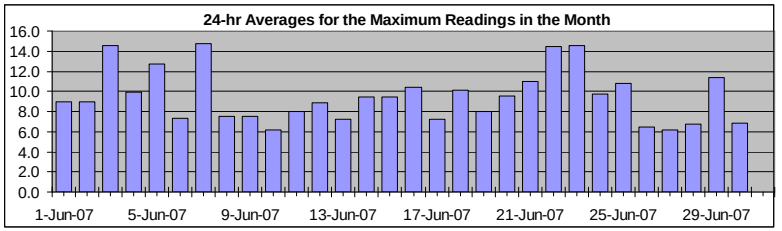
Figure 11. PAS - Crescent Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	40.6	µg/m³	12-Jun	18:00 19:00
Maximum 24-hr Value:	14.8	µg/m³	7-Jun	

AIC Time:	0 hrs	Operational Time:	699 hrs	
Calibration Time:	5 hrs	AMD Operational Uptime:	97.8%	

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	29.8	19.0	12.1	8.3	5.9	3.1	1.8	9.5 / 8 µg/m˜	9.2 µg/m˜

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	6	7	10	10	8	9	9	11	14	9	8	9	8	8	6	11	6	6	6	10	13	17	8	8	8.9	16.9
2-Jun-07	8	5	9	5	12	9	9	10	10	D	7	7	11	6	8	8	9	7	8	11	14	12	11	10	8.9	14.3
3-Jun-07	21	10	13	14	8	13	13	20	13	8	8	6	9	15	17	14	32	27	20	21	10	13	12	14	14.6	31.9
4-Jun-07	7	8	11	6	6	6	10	10	10	8	9	13	12	9	9	15	14	10	12	11	8	13	12	9	9.9	15.2
5-Jun-07	7	10	11	11	11	11	15	17	14	12	14	19	11	13	11	10	11	10	13	36	28	3	2	6	12.8	36.4
6-Jun-07	4	2	0	2	4	4	7	11	16	4	6	4	7	5	5	4	6	8	12	13	13	12	12	15	7.3	15.9
7-Jun-07	21	16	16	13	20	18	15	16	11	D	15	16	14	16	17	19	17	16	15	12	11	12	8	6	14.8	20.7
8-Jun-07	2	2	2	6	6	7	11	10	10	10	11	9	7	9	8	9	12	7	7	10	13	2	5	4	7.6	12.9
9-Jun-07	0	3	2	1	2	3	5	8	10	9	8	7	12	5	7	6	D	8	8	8	16	24	12	7	7.5	24.2
10-Jun-07	11	7	7	6	3	3	4	5	D	3	4	3	6	7	6	9	7	7	5	10	5	8	8	10	6.2	11.1
11-Jun-07	9	5	6	2	D	2	5	8	9	13	8	16	11	17	D	7	8	6	10	3	7	5	10	7	8.0	17.1
12-Jun-07	8	10	8	9	6	4	5	8	9	5	8	7	10	7	10	7	6	6	41	17	6	7	5	5	8.8	40.6
13-Jun-07	6	4	4	5	4	6	6	8	7	6	4	6	7	7	8	6	7	8	10	15	10	9	10	9	7.2	15.4
14-Jun-07	7	4	29	14	6	6	6	4	8	4	6	11	12	9	13	7	14	32	8	8	7	6	3	4	9.5	32.0
15-Jun-07	7	4	5	5	5	5	6	7	7	9	11	11	8	14	11	3	9	30	8	13	12	12	14	10	9.4	29.8
16-Jun-07	9	7	5	8	6	6	7	6	12	8	7	15	31	15	14	15	D	21	12	3	4	6	12	8	10.4	31.2
17-Jun-07	5	3	2	5	4	9	3	13	11	D	5	D	10	20	18	10	9	8	5	2	3	5	4	5	7.3	20.1
18-Jun-07	10	7	8	6	7	8	12	14	10	11	10	14	13	15	11	12	9	14	23	12	9	5	5	0	10.2	23.0
19-Jun-07	5	3	3	2	4	5	9	5	10	8	10	10	12	11	9	5	6	11	10	13	16	13	5	6	8.0	15.7
20-Jun-07	9	8	3	2	3	8	7	8	13	14	11	D	15	15	8	8	9	14	17	13	11	13	6	6	9.6	17.3
21-Jun-07	6	3	8	6	6	13	18	9	10	7	13	11	8	15	10	15	11	16	14	17	10	16	12	8	11.0	18.0
22-Jun-07	6	7	4	3	3	6	8	14	18	8	25	11	15	13	20	14	15	15	23	25	29	24	22	19	14.5	29.4
23-Jun-07	31	17	30	16	16	10	12	8	14	13	19	17	15	19	25	22	12	8	9	8	10	7	7	6	14.5	30.9
24-Jun-07	3	6	5	7	7	9	15	15	11	11	13	13	3	10	22	D	21	6	12	9	6	9	5	4	9.7	21.8
25-Jun-07	6	6	5	8	7	13	D	D	16	13	D	11	D	6	25	31	13	14	7	9	9	6	6	3	10.8	31.1
26-Jun-07	4	2	2	4	6	8	7	7	7	6	8	13	14	C	C	C	C	C	5	4	6	6	5	6	6.4	14.4
27-Jun-07	5	5	4	4	5	5	8	12	9	5	19	7	D	8	8	6	5	4	4	4	4	4	4	3	6.2	18.9
28-Jun-07	3	4	3	4	5	3	5	5	5	5	8	7	7	7	9	9	7	10	8	8	8	9	11	12	6.8	11.6
29-Jun-07	12	9	8	12	9	8	12	10	10	10	13	8	13	10	8	13	17	18	12	4	13	14	12	16	11.4	18.1
30-Jun-07	15	5	6	5	3	4	6	6	7	6	5	6	2	6	5	4	3	9	7	7	6	12	13	14	6.8	14.6
Hourly Avg	8.5	6.3	7.7	6.7	6.7	7.4	8.7	9.9	10.7	8.3	10.1	10.2	10.8	11.0	11.6	10.6	10.9	12.3	11.8	11.2	10.6	10.0	8.7	8.0		
Hourly Max	30.9	16.7	29.8	16.1	20.5	18.4	18.0	19.6	17.9	13.9	24.7	19.0	31.2	20.1	25.5	31.1	31.9	32.0	40.6	36.4	29.4	24.5	21.6	18.8		

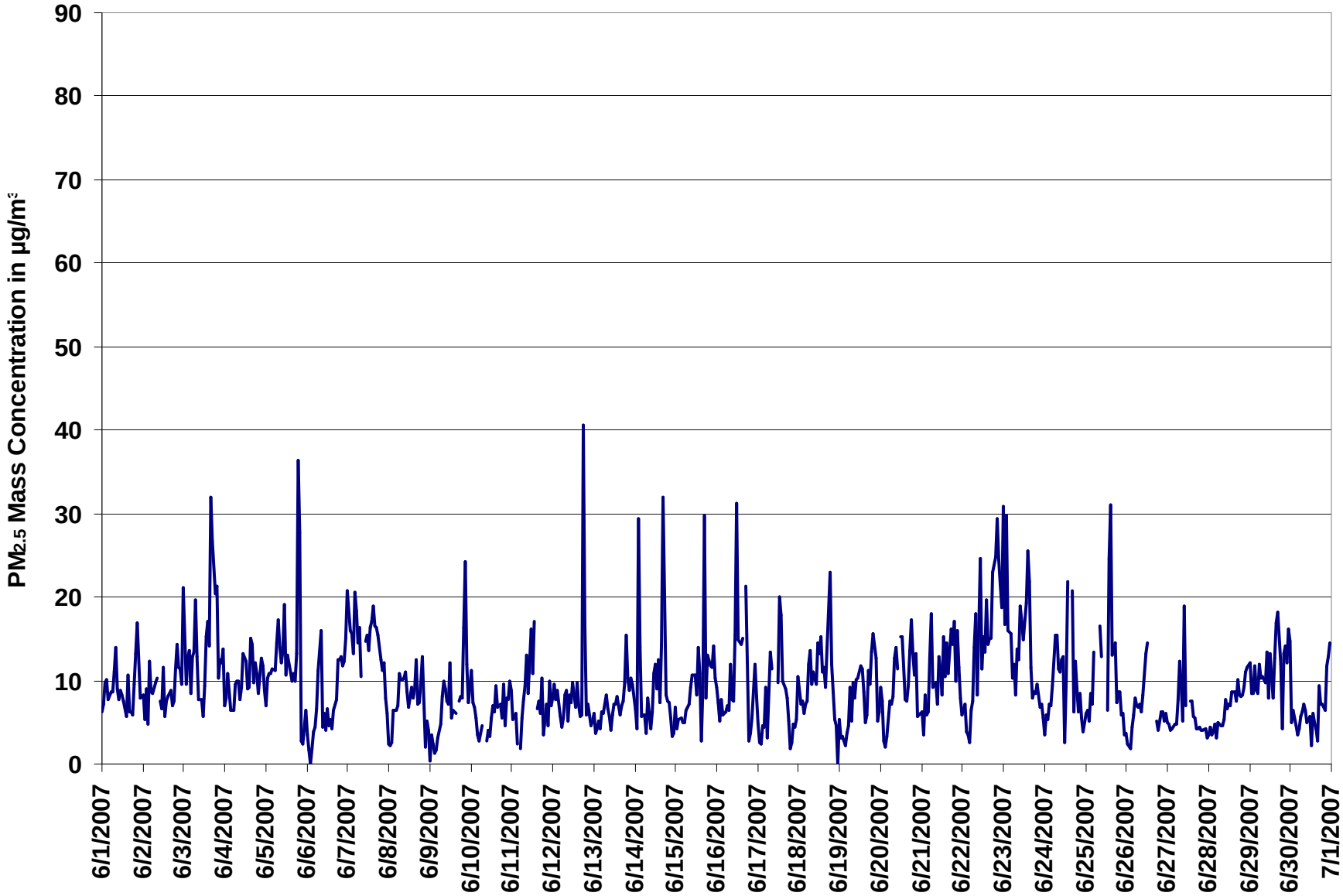
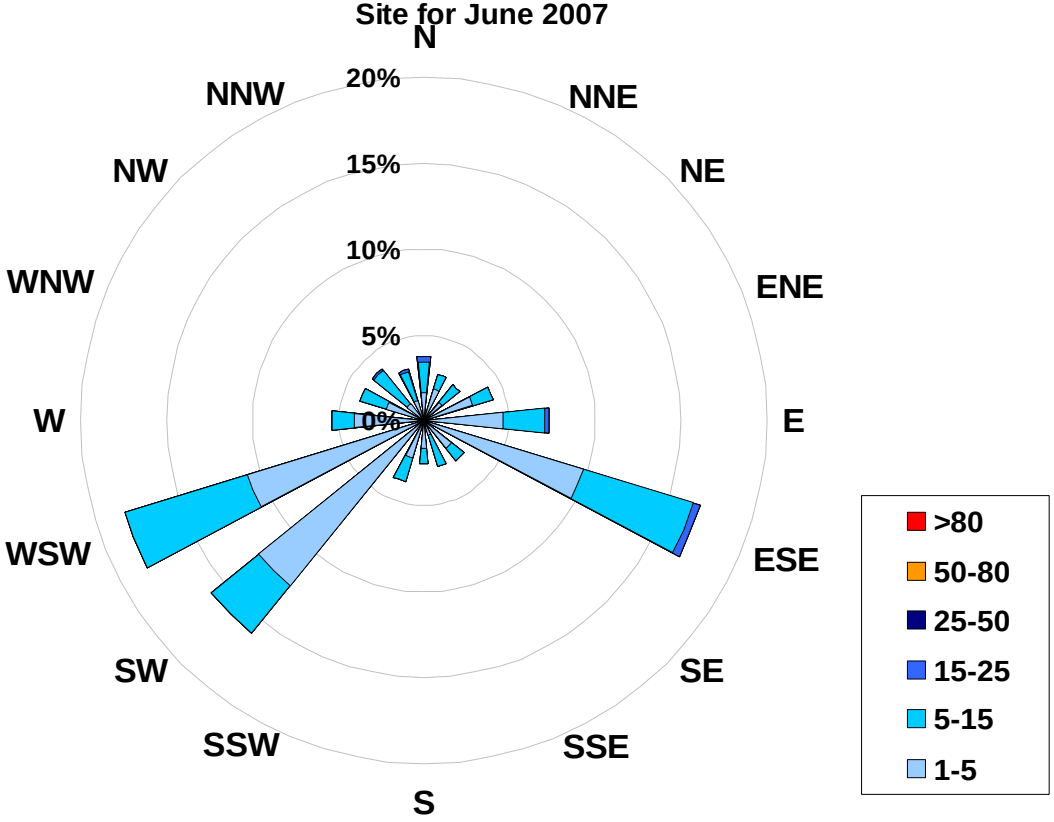


Figure 12. PAS - Crescent Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			Frequency (hrs)
1.0	<	5	480
5	to	15	212
15	to	25	7
25	to	50	0
50	to	80	0
	>	80	0
Total Non-Zero Values			699

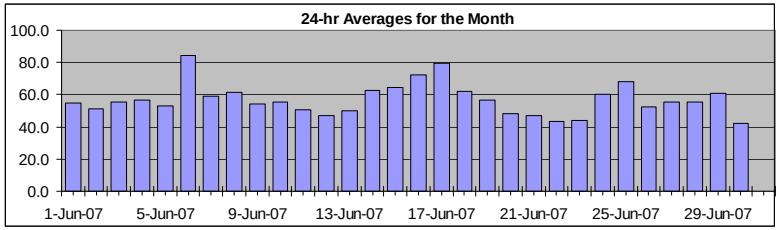
PAS - Crescent Heights - Relative Humidity Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Relative Humidity (RH)

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



Summary

Maximum 1-hr Average:	91.4	%	17-Jun	4:00 5:00
Maximum 24-hr Value:	84.5	%	6-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
	89.0	85.4	73.2	58.8	40.6	26.1	21.9	57.0 %	58.8 %

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	80	83	85	86	88	80	71	62	56	46	44	39	36	33	31	30	30	28	28	34	46	66	72	69	55.1	87.8
2-Jun-07	73	78	82	83	87	81	69	64	54	41	32	30	30	29	26	26	26	26	28	35	49	59	65	63	51.5	86.8
3-Jun-07	70	74	77	80	82	76	67	59	52	44	36	31	25	22	25	26	41	46	44	61	64	69	74	79	55.2	81.8
4-Jun-07	84	85	86	84	87	82	78	72	61	52	47	43	41	35	32	31	32	34	35	40	44	53	62	58	56.5	87.0
5-Jun-07	52	52	54	58	62	64	59	61	60	55	47	46	37	37	36	35	37	38	42	50	73	69	75	77	53.1	76.6
6-Jun-07	80	80	82	83	82	83	84	84	84	85	87	84	85	86	89	89	88	88	86	85	87	85	80	80	84.5	89.1
7-Jun-07	80	82	84	82	81	80	75	74	69	46	37	39	38	37	36	39	38	39	42	49	58	66	73	73	59.1	83.5
8-Jun-07	76	76	75	74	79	82	83	76	67	60	53	47	44	45	44	44	49	45	42	51	61	63	66	72	61.3	83.4
9-Jun-07	70	71	77	78	77	74	66	64	61	60	56	50	48	44	40	35	29	29	34	39	47	51	51	54	54.4	77.8
10-Jun-07	66	69	72	77	82	77	68	61	53	50	46	43	45	45	41	36	37	38	42	48	52	54	61	63	55.2	82.4
11-Jun-07	76	76	79	78	71	64	62	59	57	55	47	47	45	42	31	29	27	27	30	33	37	42	50	56	50.8	78.5
12-Jun-07	62	60	61	64	65	61	53	51	41	29	27	26	26	25	27	26	22	22	39	61	65	70	72	79	47.2	78.7
13-Jun-07	79	79	80	78	72	66	62	53	45	35	27	26	27	26	27	27	26	29	36	50	59	64	66	65	50.2	80.4
14-Jun-07	71	73	74	72	70	67	61	57	53	46	42	41	44	42	43	42	43	73	80	80	80	83	84	81	62.5	83.9
15-Jun-07	81	82	82	83	83	81	78	78	72	69	64	56	49	47	50	39	37	47	46	52	59	64	68	73	64.2	83.1
16-Jun-07	79	80	81	79	76	71	65	57	50	44	47	51	61	83	85	85	74	72	78	81	81	83	85	86	72.1	86.5
17-Jun-07	88	88	90	91	91	91	90	91	90	73	62	55	48	49	61	73	80	86	86	86	87	86	82	82	79.5	91.4
18-Jun-07	84	85	86	87	86	85	80	72	66	61	48	41	38	36	34	32	32	36	45	57	67	75	80	79	62.2	87.2
19-Jun-07	73	75	77	78	80	77	70	59	57	54	53	49	44	38	36	33	30	31	35	42	57	69	72	73	56.8	80.2
20-Jun-07	75	71	70	69	69	68	62	57	56	50	39	30	26	24	25	24	23	25	30	37	46	55	63	69	48.4	74.9
21-Jun-07	76	77	79	78	72	63	60	53	45	41	36	24	22	23	21	22	22	26	31	37	43	52	61	67	47.1	79.1
22-Jun-07	67	65	62	64	63	62	60	57	53	39	30	27	24	20	21	20	20	22	26	30	40	48	59	62	43.4	66.7
23-Jun-07	65	66	71	59	42	39	46	41	35	35	33	35	33	31	29	32	36	34	34	38	46	53	60	64	44.0	70.6
24-Jun-07	66	64	66	69	70	73	72	68	64	61	59	56	52	47	54	42	43	42	46	54	63	70	74	70	60.2	74.1
25-Jun-07	71	75	77	81	86	78	69	55	62	79	66	58	41	36	40	36	44	68	86	87	88	88	85	83	68.3	87.9
26-Jun-07	73	70	67	69	78	74	58	53	47	43	40	38	35	33	34	31	33	33	37	41	50	62	74	78	52.2	78.3
27-Jun-07	78	79	82	85	83	79	73	65	52	44	40	37	36	36	35	34	36	38	38	44	51	58	66	66	55.7	85.1
28-Jun-07	70	71	72	69	69	70	67	60	54	49	47	43	43	40	40	40	41	42	46	52	57	60	65	68	55.6	71.6
29-Jun-07	68	71	71	74	81	81	78	69	66	56	48	41	43	42	40	43	47	59	65	61	61	71	64	64	61.0	81.1
30-Jun-07	67	69	74	68	48	43	45	48	48	50	43	36	30	26	23	23	21	23	26	26	30	34	50	63	42.3	74.4
Hourly Avg	73.2	74.2	75.8	76.0	75.4	72.4	67.7	62.7	57.7	51.8	46.1	42.2	39.8	38.7	38.5	37.3	38.2	41.5	45.5	51.3	58.2	64.1	68.6	70.6		
Hourly Max	88.2	87.9	89.8	91.0	91.4	91.1	89.9	91.1	90.4	85.4	87.1	84.3	85.2	86.4	89.1	88.9	88.2	87.9	86.4	86.7	87.9	87.6	85.0	86.5		

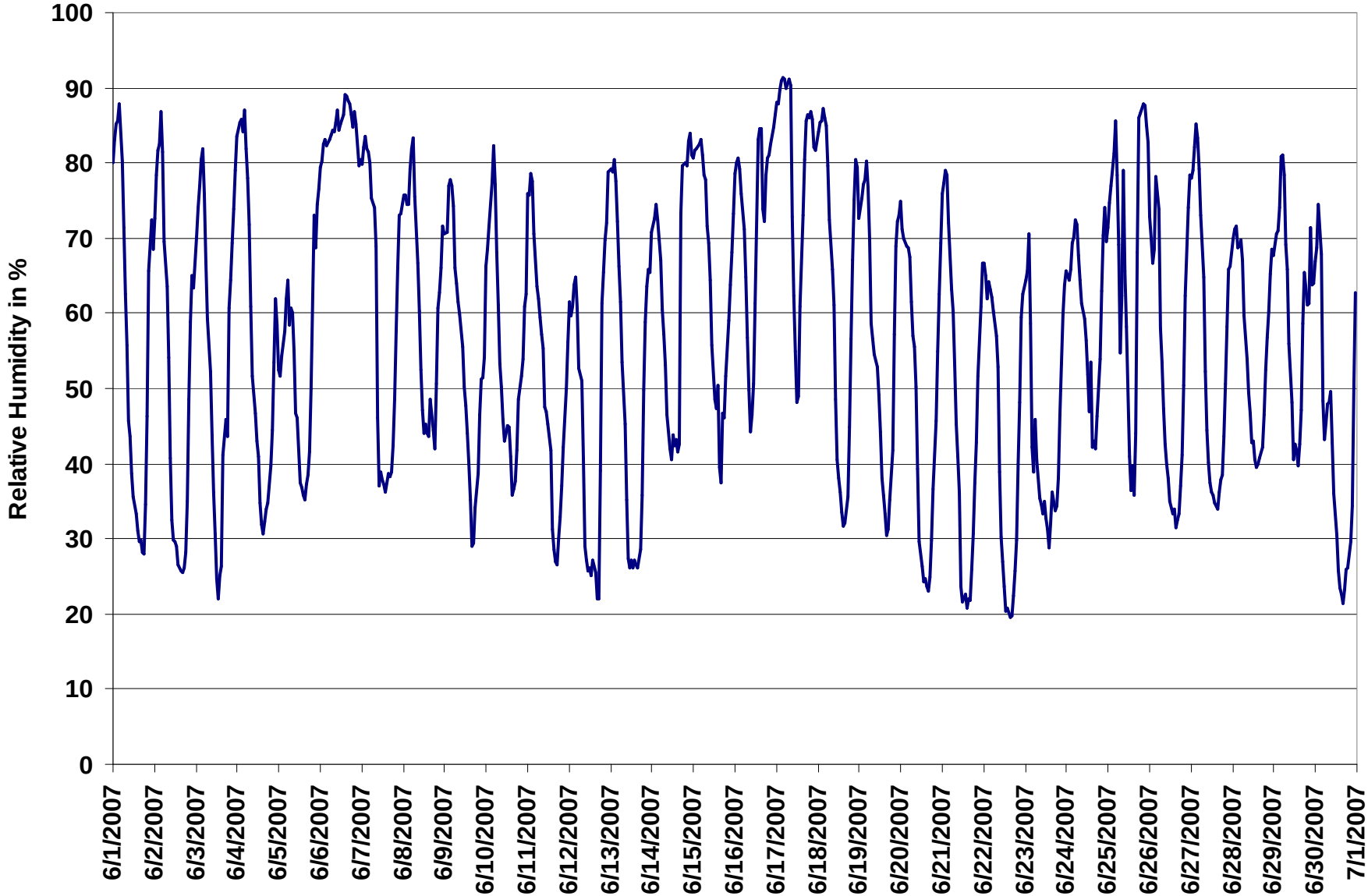


Figure 13. PAS - Crescent Heights Relative Humidity 1-hr Average Monthly Trend

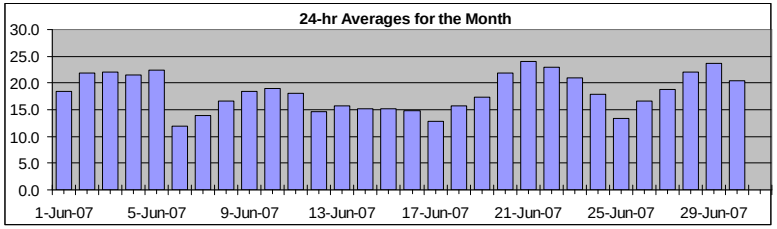
PAS - Crescent Heights - Temperature Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	31.5	°C	21-Jun	15:00 16:00
Maximum 24-hr Value:	24.0	°C	21-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
	30.8	29.0	22.3	18.1	13.9	9.4	7.1	18.3 °C	18.1 °C

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	11	10	9	9	8	10	13	16	19	21	22	24	24	25	25	26	26	26	25	24	21	17	16	17	18.4	26.1
2-Jun-07	16	15	14	14	13	15	18	20	23	25	26	27	28	28	29	29	29	28	27	25	22	19	17	17	21.9	29.0
3-Jun-07	16	15	14	13	13	15	18	21	24	27	28	30	30	31	31	30	26	24	25	21	20	19	18	17	22.0	30.9
4-Jun-07	16	15	15	15	14	15	16	19	22	24	25	26	26	28	28	29	28	27	27	25	22	20	18	19	21.6	28.9
5-Jun-07	20	19	19	18	18	17	20	20	20	23	25	26	28	29	30	30	28	28	27	24	18	17	17	16	22.5	30.0
6-Jun-07	16	15	14	14	14	14	15	15	15	13	12	12	11	10	10	10	10	9	9	10	10	10	9	8	11.9	15.6
7-Jun-07	8	7	6	6	6	8	9	12	13	16	17	18	18	19	19	19	20	20	19	18	16	14	13	13	13.8	20.0
8-Jun-07	12	12	12	12	12	12	13	15	16	17	19	20	21	21	21	21	20	21	21	19	18	16	15	14	16.6	21.3
9-Jun-07	13	13	11	11	11	11	13	15	17	19	21	22	22	23	24	24	25	24	23	22	20	20	19	19	18.4	24.5
10-Jun-07	17	16	15	14	13	13	15	17	19	20	21	21	21	21	22	23	24	24	23	21	20	20	18	17	19.0	24.4
11-Jun-07	15	15	14	14	14	14	14	16	17	19	20	21	22	22	23	24	23	23	22	20	18	16	14	12	18.1	23.5
12-Jun-07	11	11	10	9	9	11	13	14	16	18	19	20	21	21	21	20	21	20	17	12	11	10	9	7	14.6	21.2
13-Jun-07	7	7	7	7	8	10	11	14	17	19	20	21	22	22	22	23	23	22	21	18	16	14	14	13	15.8	22.8
14-Jun-07	12	11	10	10	11	11	14	15	16	19	20	21	21	22	22	21	19	15	14	13	12	12	11	11	15.1	21.8
15-Jun-07	11	11	11	11	11	11	12	13	14	15	17	19	20	19	17	19	20	19	19	17	16	15	14	13	15.1	20.4
16-Jun-07	12	11	10	10	10	11	14	16	19	22	22	21	18	14	14	14	16	16	16	15	14	14	14	13	14.9	22.1
17-Jun-07	13	13	13	13	12	12	13	12	12	16	17	18	19	19	15	13	11	11	10	9	8	9	9	9	12.8	19.2
18-Jun-07	9	10	10	9	9	9	11	13	15	17	19	20	21	22	22	23	23	22	20	18	16	14	13	12	15.7	22.8
19-Jun-07	12	11	10	10	9	10	13	15	17	18	19	21	22	23	23	23	24	24	23	22	19	17	15	15	17.3	24.0
20-Jun-07	14	14	13	13	13	14	16	18	20	23	26	27	28	29	29	29	29	29	28	27	24	22	20	18	21.8	29.5
21-Jun-07	17	16	15	15	16	19	21	22	24	26	28	30	31	31	31	31	31	30	29	27	24	22	20	18	24.0	31.5
22-Jun-07	17	16	16	14	14	14	16	18	21	24	26	27	29	30	30	31	31	30	29	27	25	23	20	19	22.9	31.5
23-Jun-07	18	17	16	16	18	19	19	21	21	22	23	24	25	25	26	25	24	25	24	23	21	18	17	16	20.9	26.1
24-Jun-07	15	15	15	14	14	14	15	16	17	19	19	21	21	21	20	21	22	23	21	20	17	16	15	16	17.8	22.6
25-Jun-07	15	15	14	13	13	14	15	15	14	12	15	16	18	19	17	18	16	11	8	8	9	9	10	10	13.4	18.8
26-Jun-07	11	11	10	10	8	9	13	15	17	19	20	21	22	22	22	22	23	23	22	21	18	16	14	12	16.6	22.7
27-Jun-07	12	12	11	10	10	11	13	16	20	21	22	23	24	25	25	26	25	25	25	23	20	19	17	16	18.8	25.6
28-Jun-07	15	14	14	15	15	14	16	18	20	22	25	27	28	30	30	30	29	29	27	25	23	22	21	21	22.1	29.7
29-Jun-07	21	21	21	19	18	17	18	21	22	26	28	29	30	30	30	30	30	26	22	22	22	22	22	22	23.7	30.4
30-Jun-07	18	17	16	15	16	17	17	18	19	19	21	23	24	25	26	26	26	26	25	24	22	20	17	15	20.4	26.0
Hourly Avg	13.9	13.4	12.8	12.5	12.2	13.1	14.8	16.5	18.3	20.0	21.5	22.5	23.2	23.5	23.6	23.7	23.4	22.6	21.7	20.0	18.1	16.7	15.6	14.8		
Hourly Max	21.1	20.6	20.5	19.5	18.1	19.5	20.7	22.4	24.4	26.6	28.4	30.0	30.6	30.9	31.3	31.5	31.5	30.4	29.4	27.4	25.1	23.1	22.4	21.7		

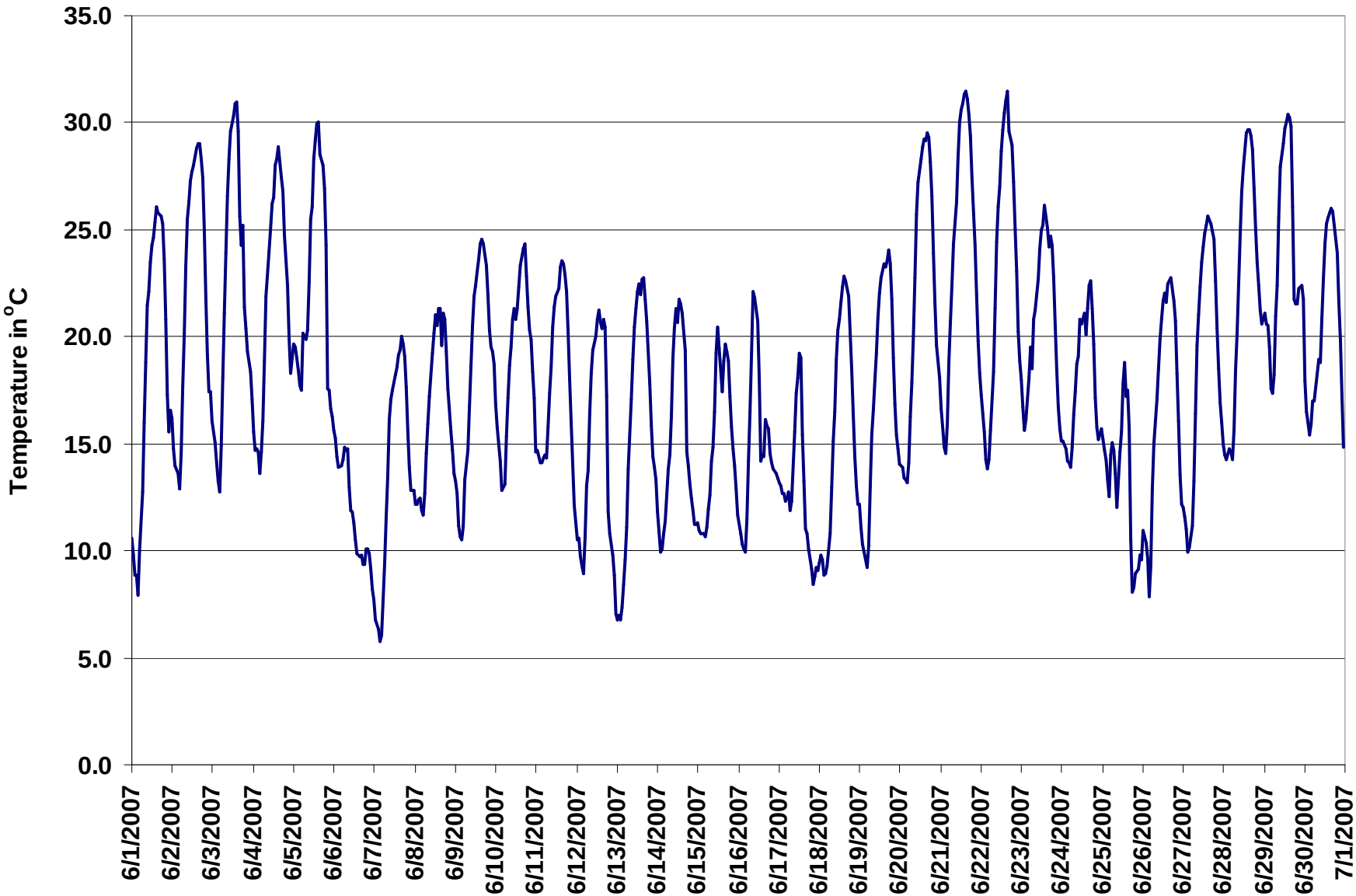


Figure 14. PAS - Crescent Heights Temperature 1-hr Average Monthly Trend

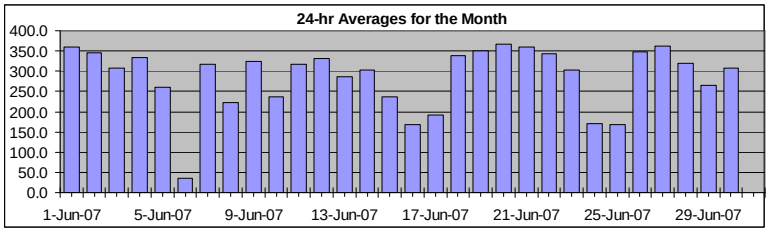
PAS - Crescent Heights - Solar Radiation Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Solar Radiation (SR)

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



Summary

Maximum 1-hr Average:	1066.4	W/m²	15-Jun	11:00 12:00
Maximum 24-hr Value:	367.2	W/m²	20-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
	941.0	885.1	573.7	116.6	0.2	0.0	0.0	286.0 W/m²	116.6 W/m²

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-Jun-07	0	0	0	0	13	99	278	439	607	753	858	930	945	908	835	717	564	394	222	57	3	0	0	0	359.3	945.0
2-Jun-07	0	0	0	0	15	107	260	433	575	751	818	907	871	835	798	706	562	384	218	60	5	0	0	0	346.0	906.6
3-Jun-07	0	0	0	0	12	103	257	423	595	733	846	913	959	801	834	463	109	143	133	39	3	0	0	0	307.1	959.1
4-Jun-07	0	0	0	0	12	99	247	416	599	739	826	876	687	905	790	706	472	335	217	58	4	0	0	0	332.8	904.9
5-Jun-07	0	0	0	0	11	91	268	129	171	349	720	760	906	848	816	600	257	181	135	32	0	0	0	0	261.4	905.9
6-Jun-07	0	0	0	0	7	40	48	83	118	88	120	76	46	33	38	33	38	43	33	28	7	0	0	0	36.7	119.6
7-Jun-07	0	0	0	0	16	102	260	432	605	752	834	770	806	664	633	552	598	354	188	63	7	0	0	0	318.1	833.6
8-Jun-07	0	0	0	0	3	17	90	113	270	417	639	817	848	370	680	430	195	301	142	26	4	0	0	0	223.5	847.5
9-Jun-07	0	0	0	0	13	106	262	436	601	733	838	885	709	725	719	686	566	347	139	38	3	0	0	0	325.3	885.1
10-Jun-07	0	0	0	0	13	84	240	420	513	543	659	520	413	436	446	409	519	360	80	38	8	0	0	0	237.5	658.6
11-Jun-07	0	0	0	0	7	39	125	413	581	728	844	759	766	668	718	680	556	407	242	71	7	0	0	0	317.1	843.5
12-Jun-07	0	0	0	0	11	119	195	230	564	761	881	900	967	885	583	581	609	412	213	57	7	0	0	0	332.2	966.9
13-Jun-07	0	0	0	0	13	59	197	379	615	760	870	861	852	684	434	468	353	105	107	80	14	0	0	0	285.5	869.9
14-Jun-07	0	0	0	0	15	103	271	242	521	779	779	743	624	852	826	744	310	168	249	60	3	0	0	0	303.7	851.8
15-Jun-07	0	0	0	0	11	68	144	197	344	368	603	1066	941	644	371	297	244	185	172	44	7	0	0	0	237.8	1066.4
16-Jun-07	0	0	0	0	16	110	264	309	616	753	338	276	68	40	73	283	487	116	214	43	4	0	0	0	167.1	752.6
17-Jun-07	0	0	0	0	6	52	42	21	154	441	778	852	932	716	223	149	65	88	38	21	3	0	0	0	191.0	932.2
18-Jun-07	0	0	0	0	5	25	242	439	638	652	854	902	821	922	863	754	531	299	96	83	7	0	0	0	338.9	921.5
19-Jun-07	0	0	0	0	14	118	272	443	611	755	643	834	928	941	884	692	554	427	202	71	9	0	0	0	349.9	940.8
20-Jun-07	0	0	0	0	19	136	274	444	610	752	862	930	951	920	845	729	582	413	247	82	15	0	0	0	367.2	950.9
21-Jun-07	0	0	0	0	15	110	262	431	596	739	855	932	946	913	786	734	573	408	237	75	6	0	0	0	359.1	945.7
22-Jun-07	0	0	0	0	16	104	257	436	603	746	854	918	932	903	831	717	513	165	155	50	11	0	0	0	342.2	931.8
23-Jun-07	0	0	0	0	21	94	190	405	372	447	580	919	885	801	867	568	373	396	243	80	7	0	0	0	302.1	918.8
24-Jun-07	0	0	0	0	5	18	81	88	240	259	237	495	347	277	256	498	563	420	195	82	8	0	0	0	169.6	562.5
25-Jun-07	0	0	0	0	12	129	94	37	31	161	325	287	504	787	452	577	510	80	27	10	2	0	0	0	167.8	787.4
26-Jun-07	0	0	0	0	13	114	268	439	607	752	862	927	940	872	519	722	572	440	225	85	8	0	0	0	348.7	940.4
27-Jun-07	0	0	0	0	14	113	267	440	602	726	871	933	951	914	844	720	546	415	255	62	5	0	0	0	361.6	950.5
28-Jun-07	0	0	0	0	8	44	185	333	456	723	834	744	809	894	796	687	559	376	161	59	7	0	0	0	319.8	894.1
29-Jun-07	0	0	0	0	7	60	125	387	452	599	735	732	777	760	605	365	197	227	226	84	4	0	0	0	264.3	777.1
30-Jun-07	0	0	0	0	20	106	137	255	350	356	648	736	918	920	849	736	589	423	252	89	11	0	0	0	308.2	919.9
Hourly Avg	0.1	0.1	0.1	0.2	12.1	85.6	203.4	323.2	473.9	603.8	713.7	773.3	768.3	728.0	640.5	566.7	438.9	293.7	175.5	57.5	6.4	0.1	0.1	0.1		
Hourly Max	0.2	0.3	0.3	0.4	20.9	135.6	278.5	444.3	637.6	778.6	881.2	1066.4	966.9	940.8	884.5	754.1	609.4	440.1	255.0	89.5	15.3	0.4	0.3	0.2		

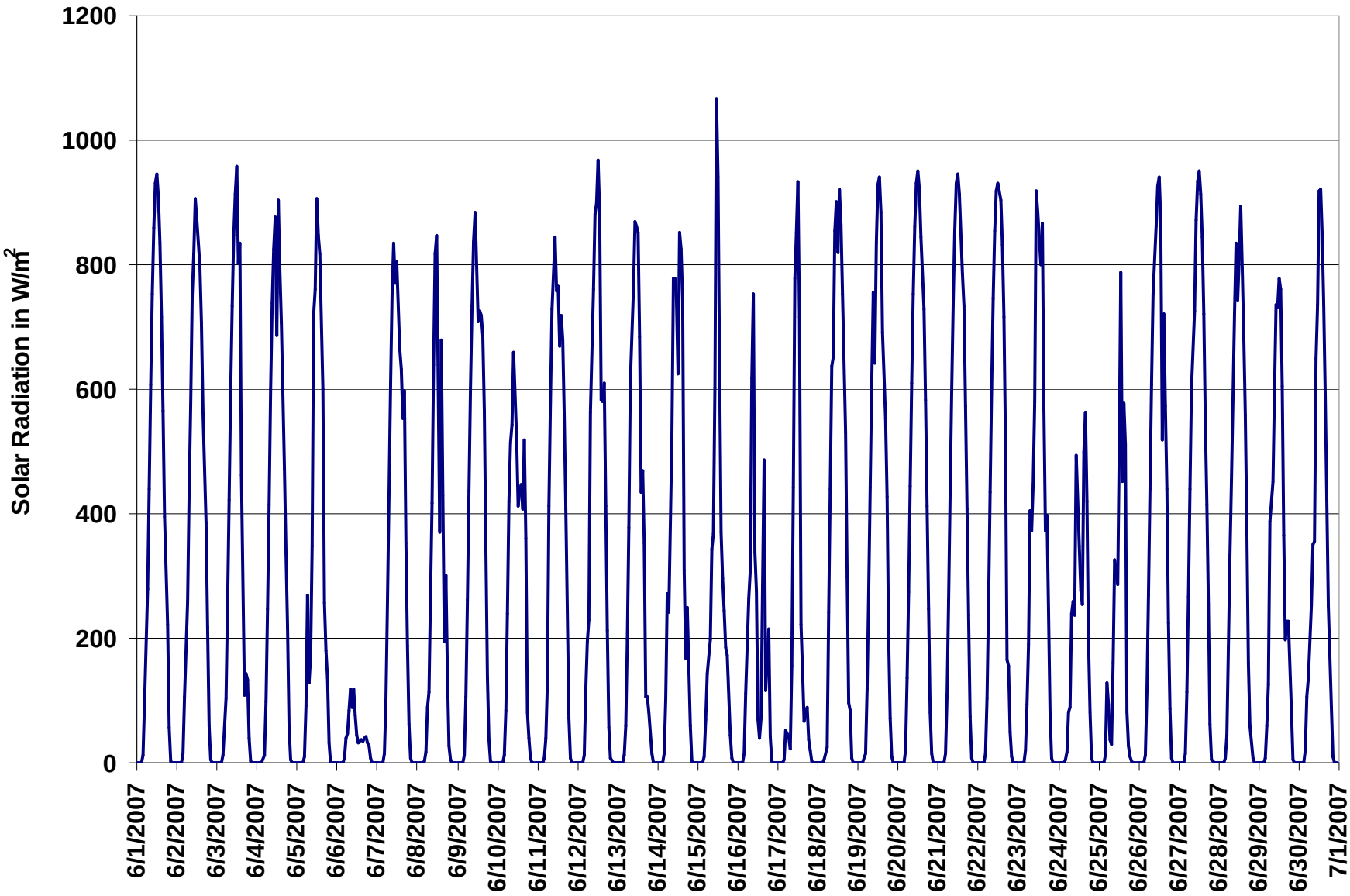


Figure 15. PAS - Crescent Heights Solar Radiation 1-hr Average Monthly Trend

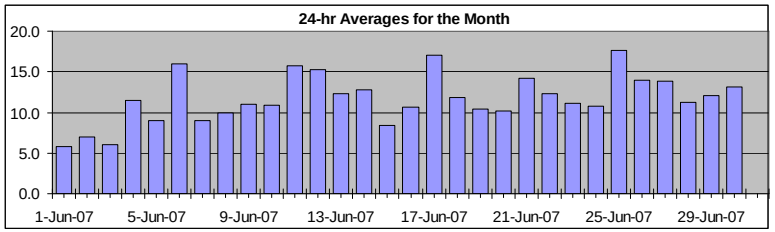
PAS - Crescent Heights - Scalar Wind Speed Monthly Summary

Station: Crescent Heights
Station Owner: PAS

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

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Summary

Maximum 1-hr Average:	29.3	km/hr	25-Jun	14:00 15:00
Maximum 24-hr Value:	17.6	km/hr	25-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	
	28.3	22.4	15.0	11.1	7.2	4.2	3.6	11.7 km/hr	

Status Flag Characters

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

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Scalar Average	Daily Max
1-Jun-07	4	5	4	5	3	4	4	3	4	5	7	8	7	8	7	6	8	8	6	8	8	6	6	5	5.8	8.2
2-Jun-07	5	5	3	5	4	4	4	4	4	9	10	10	11	10	9	9	10	10	11	9	6	7	5	4	6.9	10.7
3-Jun-07	4	4	3	5	5	4	3	4	5	5	6	7	7	7	7	11	15	9	6	10	5	3	5	6	6.1	14.9
4-Jun-07	5	4	10	11	8	5	10	11	12	17	18	16	14	12	10	10	9	13	14	17	17	9	10	13	11.5	18.4
5-Jun-07	16	15	12	6	7	5	4	4	4	5	6	8	9	12	11	11	7	5	8	14	16	12	7	11	9.0	16.1
6-Jun-07	8	9	15	14	10	6	6	6	9	20	23	28	29	29	27	25	26	25	17	11	9	10	12	8	16.0	29.1
7-Jun-07	7	6	6	6	6	5	5	6	9	10	13	13	12	12	13	12	14	11	8	7	5	6	10	11	9.0	14.4
8-Jun-07	8	13	15	10	10	7	5	8	8	8	12	13	15	14	16	14	10	8	10	6	9	7	5	8	10.0	15.7
9-Jun-07	12	13	8	8	12	11	15	16	15	13	11	16	13	12	13	13	13	8	8	5	4	5	6	14	11.0	15.7
10-Jun-07	10	7	6	8	9	7	9	17	19	18	16	14	16	14	12	13	13	9	6	7	6	8	7	11	10.9	18.7
11-Jun-07	8	5	8	12	16	19	24	25	29	25	23	18	15	15	18	19	19	19	15	12	10	10	7	8	15.8	28.7
12-Jun-07	7	7	6	11	6	5	14	18	21	28	23	23	21	19	19	21	24	21	27	22	6	7	5	5	15.3	27.6
13-Jun-07	7	12	6	10	16	14	12	13	10	13	15	19	19	17	16	15	12	14	19	14	7	2	4	6	12.3	19.0
14-Jun-07	9	12	10	11	10	14	12	14	15	17	16	14	15	17	19	14	18	12	18	10	7	9	6	7	12.7	19.2
15-Jun-07	6	8	8	7	7	8	7	8	9	11	12	11	9	15	18	9	4	5	9	8	6	5	6	5	8.4	17.7
16-Jun-07	6	4	4	5	11	10	8	14	16	17	17	15	18	5	8	12	19	15	15	11	8	7	7	6	10.7	18.9
17-Jun-07	10	13	10	4	6	4	8	12	11	13	17	19	19	22	29	20	21	20	25	26	28	27	26	18	17.1	28.9
18-Jun-07	11	14	12	8	6	9	12	15	15	16	13	14	12	14	12	11	10	9	9	14	12	12	12	12	11.9	15.6
19-Jun-07	8	13	10	14	14	14	11	11	13	12	11	12	14	14	13	11	10	11	7	5	6	5	6	4	10.4	14.5
20-Jun-07	5	7	11	12	11	10	12	13	12	9	7	8	10	8	8	10	6	6	10	9	14	17	17	15	10.2	17.3
21-Jun-07	13	10	6	5	4	4	6	19	19	18	19	20	25	23	20	19	21	18	18	14	10	11	9	10	14.1	24.5
22-Jun-07	11	14	16	17	23	22	19	17	16	15	19	17	15	15	12	10	7	5	4	4	4	5	5	5	12.3	22.8
23-Jun-07	5	5	5	4	12	10	11	15	14	13	14	13	11	13	11	12	14	12	13	13	10	11	10	12	11.1	15.4
24-Jun-07	14	15	14	6	5	7	4	7	9	8	8	12	11	9	11	10	12	16	16	18	14	12	11	10	10.8	17.9
25-Jun-07	9	7	4	4	4	8	16	20	26	9	16	13	20	26	29	28	26	26	27	29	21	16	17	18	17.6	29.3
26-Jun-07	17	18	15	14	11	11	14	14	16	18	16	17	18	20	16	16	16	11	11	9	9	11	8	10	14.0	19.7
27-Jun-07	8	13	11	6	6	7	11	9	14	18	18	16	16	17	20	17	17	19	18	16	14	15	14	13	13.9	19.5
28-Jun-07	11	10	8	11	11	12	8	5	5	7	8	6	9	9	18	15	18	18	19	17	13	12	8	10	11.2	18.8
29-Jun-07	14	7	7	12	17	12	4	4	8	8	7	12	14	14	13	13	10	20	28	11	9	19	11	15	12.1	28.3
30-Jun-07	10	5	8	11	11	13	15	15	17	16	19	20	17	17	19	19	18	16	13	11	7	6	6	6	13.2	20.3
1-hr Average	9.0	9.3	8.7	8.8	9.3	9.0	9.7	11.6	12.9	13.4	14.1	14.5	14.7	14.6	15.2	14.1	14.2	13.3	13.9	12.2	10.1	9.7	9.0	9.5		
Hourly Max	17.2	18.2	16.1	16.7	22.8	21.6	24.4	25.0	28.7	27.6	23.4	28.3	28.9	29.1	29.3	28.2	26.1	25.9	28.3	28.9	28.4	26.5	26.3	18.2		

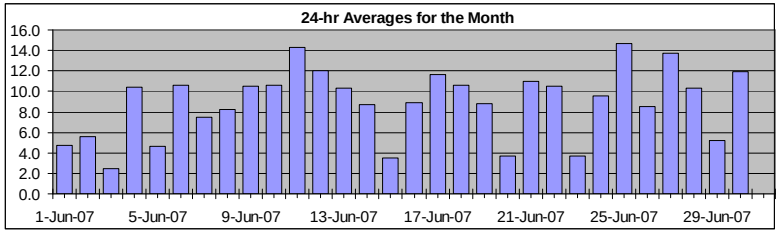
PAS - Crescent Heights - Vector Wind Speed Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	28.9	km/hr	6-Jun	13:00 14:00
Maximum 24-hr Value:	14.7	km/hr	25-Jun	

Calm Time:	1 hrs	**0%** calms		Operational Time:				719 hrs	
Calibration Time:	0 hrs			AMD Operational Uptime:				100.0%	
Percentile	99	95	75	50	25	5	1		AverageV
	28.1	21.9	14.6	10.5	6.4	3.1	1.8		10.9 km/hr

Status Flag Characters

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

Day — **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hr Vector Average	Daily Max
1-Jun-07	2	4	3	4	3	3	4	2	3	4	4	6	5	7	4	5	6	7	6	8	8	6	5	5	4.7	7.9
2-Jun-07	5	4	2	5	2	4	4	4	2	8	9	9	10	9	8	9	9	10	11	9	6	6	5	3	5.6	10.6
3-Jun-07	3	4	2	5	5	2	2	2	1	3	2	6	6	5	2	10	14	6	1	10	5	calm	5	5	2.5	13.9
4-Jun-07	4	4	10	11	8	4	9	11	11	16	18	16	13	11	9	9	8	13	14	17	17	9	10	13	10.4	18.2
5-Jun-07	16	15	12	2	5	4	3	4	4	4	4	7	7	11	10	9	6	4	8	11	15	11	6	10	4.6	15.9
6-Jun-07	8	9	15	14	10	5	3	5	9	20	23	28	29	29	27	25	26	25	17	10	9	10	12	8	10.7	28.9
7-Jun-07	6	5	6	6	5	5	4	6	9	9	12	12	12	11	12	12	14	11	8	7	5	6	10	10	7.5	13.8
8-Jun-07	8	13	14	9	9	7	4	8	8	8	11	13	13	14	15	11	10	6	10	5	9	7	5	7	8.3	15.2
9-Jun-07	12	13	8	7	12	11	15	15	15	13	10	15	12	11	12	12	13	8	8	5	2	2	3	14	10.5	15.4
10-Jun-07	10	6	5	7	9	6	8	16	18	17	16	14	15	13	12	13	12	9	6	6	6	8	7	11	10.6	18.4
11-Jun-07	7	4	8	12	15	19	24	25	29	25	22	18	14	13	18	18	19	19	15	11	9	10	5	7	14.3	28.5
12-Jun-07	6	5	4	11	5	3	14	18	21	27	23	23	21	19	19	20	24	20	23	21	4	6	5	4	12.1	27.2
13-Jun-07	7	12	6	10	16	13	11	13	10	12	14	18	19	16	15	14	12	14	18	12	6	2	4	6	10.4	18.5
14-Jun-07	8	12	10	10	10	14	11	14	15	16	15	13	14	16	17	13	16	11	18	10	7	9	6	7	8.7	18.1
15-Jun-07	6	7	8	7	7	8	7	8	8	11	12	10	7	15	17	8	3	4	8	8	6	5	6	5	3.5	17.4
16-Jun-07	6	3	4	5	10	10	8	14	15	17	17	14	7	4	7	11	19	13	15	11	8	6	5	4	8.9	18.6
17-Jun-07	10	13	9	3	4	2	8	11	11	13	17	19	19	22	29	20	20	14	25	26	28	26	26	18	11.6	28.7
18-Jun-07	11	14	12	8	6	9	12	15	15	15	13	14	11	13	12	10	9	9	8	13	12	12	12	12	10.6	15.3
19-Jun-07	8	13	10	14	14	14	10	11	13	12	11	11	13	13	12	11	10	10	6	4	6	5	5	2	8.8	14.4
20-Jun-07	2	6	11	11	11	10	12	13	12	9	6	7	9	7	6	7	3	4	9	9	14	16	17	15	3.7	17.2
21-Jun-07	12	10	6	5	3	3	4	19	19	18	19	20	24	22	20	19	21	18	18	14	10	10	9	10	11.0	24.2
22-Jun-07	11	14	16	17	23	22	19	17	16	15	19	17	14	14	11	9	5	4	4	3	4	5	5	4	10.5	22.7
23-Jun-07	4	4	3	2	11	9	11	15	13	13	13	13	10	12	10	11	13	12	13	13	10	11	9	12	3.7	14.9
24-Jun-07	14	15	13	4	3	6	1	7	8	8	7	12	11	9	11	9	10	15	16	18	14	12	11	10	9.6	17.8
25-Jun-07	8	6	4	4	3	7	16	20	26	9	16	13	20	26	28	27	25	26	27	29	21	16	17	18	14.7	28.5
26-Jun-07	17	18	15	14	11	10	14	14	15	17	16	16	17	19	16	15	15	10	11	9	9	10	8	10	8.6	19.0
27-Jun-07	8	13	10	6	5	6	11	9	14	17	17	15	16	17	19	16	17	19	17	16	14	15	14	13	13.7	19.3
28-Jun-07	10	10	8	11	11	12	8	4	5	7	7	3	5	7	18	14	18	18	19	17	13	12	8	10	10.3	18.7
29-Jun-07	13	6	6	11	17	11	1	2	8	8	4	12	14	14	13	13	9	15	28	9	8	18	11	12	5.2	28.1
30-Jun-07	7	5	7	11	10	13	14	15	16	16	19	20	16	17	18	19	18	15	13	10	7	5	6	5	11.9	20.1
1-hr Vector	2.6	2.5	2.8	4.2	4.2	4.5	6.2	7.5	8.5	6.9	6.7	5.9	6.0	5.4	5.7	5.4	4.1	2.6	2.2	1.6	0.3	1.0	2.0	2.8		
Hourly Max	17.2	18.1	16.0	16.5	22.7	21.5	24.2	24.8	28.5	27.2	23.2	28.1	28.6	28.9	28.7	27.2	25.9	25.5	28.1	28.5	28.3	26.4	26.0	18.1		

PAS - Crescent Heights - Wind Direction Monthly Summary

HOURLY AVERAGE TABLE

Wind Direction (WD)

Station: Crescent Heights
Station Owner: PAS

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

Summary

Calm Time:	0 hrs	**0%** calms				Operational Time:			720 hrs																			
Calibration Time:	0 hrs					AMD Operational Uptime:			100.0%																			
Percentile	99	95	75	50	25	5	1	Average																				
	351.1	325.3	247.2	223.3	110.4	34.1	5.5	233 deg																				

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	WD Sector
1-Jun-07	133	113	144	218	110	113	92	96	165	102	88	137	110	68	100	85	66	81	53	56	78	123	126	172	102	ESE
2-Jun-07	212	225	243	249	132	102	96	95	140	104	108	123	118	119	119	123	126	114	111	110	115	116	126	229	124	SE
3-Jun-07	83	88	101	115	104	137	69	71	255	255	186	125	118	139	91	348	335	33	104	122	163	321	6	85	88	E
4-Jun-07	112	84	43	40	116	85	53	74	92	109	108	112	110	117	101	120	114	115	112	113	114	122	121	153	105	ESE
5-Jun-07	162	165	159	169	9	52	102	79	73	106	180	196	131	121	180	200	245	246	243	250	251	282	271	236	194	SSW
6-Jun-07	229	235	233	233	241	254	258	331	339	4	19	33	28	27	18	23	26	24	25	7	347	343	348	354	6	N
7-Jun-07	359	349	314	312	273	249	246	221	247	311	324	302	284	288	266	273	253	262	251	254	245	238	235	243	274	W
8-Jun-07	216	225	222	230	230	239	305	306	290	292	282	267	276	271	253	271	336	287	253	258	203	208	175	219	255	WSW
9-Jun-07	227	226	209	209	225	232	225	222	223	245	251	235	255	263	251	246	242	254	246	270	268	295	196	217	236	WSW
10-Jun-07	238	253	226	208	197	212	219	227	240	241	246	246	238	241	242	248	243	242	242	260	234	228	228	232	236	SW
11-Jun-07	222	196	193	193	202	206	210	222	224	236	247	257	280	284	245	250	244	238	253	270	286	274	222	223	237	WSW
12-Jun-07	207	181	175	222	261	172	211	219	233	239	250	249	248	249	248	250	252	258	308	354	316	215	183	131	247	WSW
13-Jun-07	208	220	184	217	224	236	239	234	220	223	223	226	230	237	209	225	245	209	198	333	29	69	166	213	225	SW
14-Jun-07	227	233	226	222	238	230	224	230	218	215	216	234	246	243	276	294	327	351	356	342	303	327	310	308	260	W
15-Jun-07	275	267	268	278	270	281	286	254	263	248	243	248	275	5	8	8	75	162	5	21	72	76	96	106	300	WNW
16-Jun-07	102	120	98	33	70	105	106	101	93	106	105	79	159	175	346	54	62	58	87	94	48	71	77	35	86	E
17-Jun-07	344	14	14	241	290	235	231	240	236	243	236	235	229	238	247	254	249	318	327	325	324	326	338	338	286	WNW
18-Jun-07	293	313	321	303	271	243	231	243	245	238	252	253	259	241	239	239	234	257	256	222	225	232	233	227	250	WSW
19-Jun-07	210	225	220	224	234	231	226	246	242	244	233	236	228	242	234	247	241	245	235	126	113	113	125	90	228	SW
20-Jun-07	231	231	233	220	233	233	228	227	217	226	235	234	209	227	236	241	351	355	14	38	84	99	105	90	209	SSW
21-Jun-07	100	95	104	103	91	82	212	219	219	213	217	239	240	241	249	241	251	244	228	212	227	236	243	232	226	SW
22-Jun-07	230	236	228	229	227	233	224	229	239	245	238	246	238	251	249	236	247	317	338	94	101	103	109	171	234	SW
23-Jun-07	204	315	160	220	260	248	218	244	248	266	289	326	297	326	323	4	34	34	38	55	50	68	68	62	329	NNW
24-Jun-07	57	58	76	74	53	109	151	157	159	147	144	121	126	110	109	78	83	108	108	110	106	106	112	90	104	ESE
25-Jun-07	118	119	88	116	131	170	236	238	221	221	215	192	214	223	222	256	258	254	252	255	272	267	241	239	235	SW
26-Jun-07	256	255	258	245	226	234	274	267	286	292	300	309	313	322	325	325	339	341	3	24	47	81	113	117	298	WNW
27-Jun-07	113	93	95	70	92	85	112	107	110	103	106	106	102	106	109	117	111	108	114	112	114	109	99	101	106	ESE
28-Jun-07	78	62	48	53	65	78	91	89	28	67	79	99	119	102	116	114	111	112	108	109	112	111	116	124	97	E
29-Jun-07	110	88	1	345	352	5	295	337	237	236	239	4	21	9	17	355	322	328	9	40	168	134	146	247	2	N
30-Jun-07	325	131	181	231	242	255	222	222	218	224	226	231	243	243	239	237	235	241	257	284	284	243	231	226	237	WSW
Hourly Avg	199	208	208	227	230	219	221	226	227	231	232	237	235	252	247	261	274	282	322	8	107	137	149	194		

PAS - Crescent Heights - Standard Deviation of Wind Direction Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 720 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	58.6	43.3	21.1	13.6	9.2	5.4	4.7

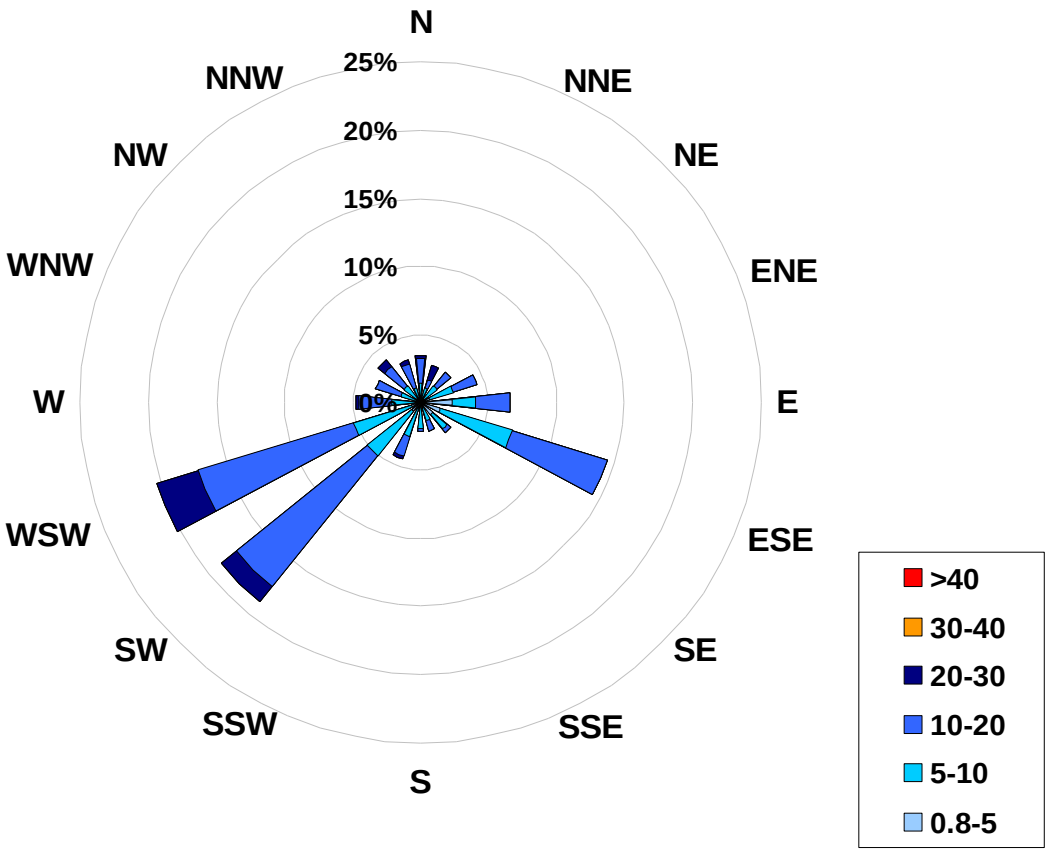
Status Flag Characters

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**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	Daily Maximum
1-Jun-07	36	15	22	15	23	19	13	45	55	38	65	40	38	41	63	37	36	31	14	7	9	14	10	16	65.3
2-Jun-07	36	25	51	10	30	16	14	24	57	17	22	30	32	24	30	22	19	13	7	6	10	11	13	52	57.0
3-Jun-07	56	13	48	13	11	38	46	33	49	63	48	40	39	46	44	30	15	19	56	14	22	37	11	21	62.9
4-Jun-07	29	19	6	12	12	24	12	10	14	11	9	14	19	24	26	33	23	14	8	6	6	9	10	11	33.4
5-Jun-07	10	10	15	53	40	36	43	12	18	32	34	39	30	22	27	25	42	36	21	44	18	11	24	10	53.2
6-Jun-07	13	9	5	6	8	21	25	17	13	4	7	7	7	6	6	6	6	6	6	4	4	3	4	10	24.6
7-Jun-07	39	26	14	12	12	19	34	19	21	22	17	19	18	21	19	19	16	18	13	12	28	14	8	14	38.9
8-Jun-07	31	10	8	32	25	17	28	12	17	19	18	16	21	14	13	22	14	23	9	20	17	15	35	14	34.7
9-Jun-07	10	7	10	26	7	8	8	9	13	16	25	12	18	19	19	17	12	21	12	16	44	59	36	11	59.0
10-Jun-07	9	24	29	14	9	42	24	9	9	10	11	11	13	11	14	12	13	18	18	17	19	13	9	7	42.5
11-Jun-07	16	54	31	6	6	6	6	7	7	8	10	13	15	23	13	13	14	10	9	9	9	7	16	18	53.7
12-Jun-07	15	18	26	11	37	43	6	6	9	8	10	10	10	13	13	10	10	10	14	5	38	13	38	21	43.4
13-Jun-07	12	5	23	8	7	10	11	9	15	19	16	13	12	14	12	12	13	10	7	16	12	31	28	14	30.9
14-Jun-07	22	5	7	11	19	7	21	14	12	12	15	19	14	17	15	17	15	25	6	10	14	9	17	17	25.4
15-Jun-07	20	14	13	13	14	14	16	13	17	14	16	25	37	14	8	18	31	32	20	12	9	12	14	16	37.0
16-Jun-07	11	45	16	17	10	6	11	8	12	12	8	6	31	54	32	15	7	25	7	8	12	24	30	21	54.0
17-Jun-07	10	6	18	36	19	45	32	12	8	12	9	12	12	10	7	7	8	15	5	5	5	5	5	7	44.9
18-Jun-07	12	9	8	12	18	9	7	9	10	11	16	15	23	23	25	29	25	18	17	9	9	7	5	7	28.6
19-Jun-07	18	5	14	5	5	5	12	12	11	14	19	22	16	18	28	22	24	17	26	26	8	9	10	32	32.3
20-Jun-07	42	42	5	5	7	13	9	8	11	17	42	37	37	39	47	40	43	44	10	8	7	6	6	8	47.4
21-Jun-07	11	8	8	15	35	39	51	8	10	10	9	11	9	10	10	12	7	7	6	8	17	13	18	14	51.0
22-Jun-07	9	7	7	6	5	4	5	7	8	11	10	11	19	13	19	30	43	49	17	18	15	10	16	21	48.9
23-Jun-07	40	43	38	60	27	18	11	9	13	16	16	18	21	22	27	30	13	16	12	6	5	8	15	5	60.2
24-Jun-07	7	10	10	48	60	33	43	17	16	23	19	9	14	9	6	16	13	9	6	6	6	7	8	10	59.7
25-Jun-07	15	21	16	17	38	14	7	6	5	27	14	10	13	10	11	9	9	8	6	6	7	8	5	5	37.9
26-Jun-07	5	5	6	7	5	7	9	10	12	12	14	14	14	13	12	12	16	21	9	7	5	13	9	5	20.6
27-Jun-07	8	9	12	18	22	19	6	7	9	10	10	14	13	16	10	14	10	7	8	5	5	5	7	6	21.6
28-Jun-07	7	7	15	5	7	6	14	25	24	20	35	62	54	51	11	12	8	9	5	5	6	5	15	13	61.7
29-Jun-07	16	28	22	33	6	38	66	25	14	31	39	12	16	14	14	9	10	17	5	26	19	14	11	17	66.3
30-Jun-07	32	18	15	10	22	10	14	10	12	8	8	8	16	14	14	10	11	15	15	14	9	13	13	26	32.1
Hourly Max	56	54	51	60	60	45	66	45	57	63	65	62	54	54	63	40	43	49	56	44	44	59	38	52	

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



Calms:	0%

Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	68
5	to	10	238
10	to	20	363
20	to	30	51
30	to	40	0
	>	40	0
Total Non-Zero Values			720

Passive Monitoring – June 2007

Station Number	Station Name	SO_2 ppb	O_3 ppb	NO_2 ppb	Location Easting	Northing	Elevation
Duplicates							
3a	Monitoring Station	**0.5**	**38.9**	**4.0**			
3b	Monitoring Station	**0.3**	**34.7**	**4.4**			
1	Hospital	**0.4**	**30.3**	**4.3**	521648	5542721	698
2	Ball Park	**0.3**	**42.6**	**4.0**	524019	5543686	660
3	Monitoring Station	**0.4**	**36.8**	**4.2**	522812	5544133	714
4	Redcliff	**0.2**	**36.0**	**4.3**	517448	5545608	725
5	Southridge	**0.3**	**32.4**	**2.9**	523172	5539016	721
6	Christian School Park	**0.2**	**35.2**	**4.3**	526577	5538133	709
Stats:							
	Mean	**0.3**	**35.6**	**4.0**			
	Standard Deviation	**0.1**	**4.2**	**0.5**			
	Minimum	**0.2**			**6**	**Christian School Park**	
	Maximum	**0.4**			**3**	**Monitoring Station**	
	Minimum		**30.3**		**1**	**Hospital**	
	Maximum		**42.6**		**2**	**Ball Park**	
	Minimum			**2.9**	**5**	**Southridge**	
	Maximum			**4.3**	**6**	**Christian School Park**	

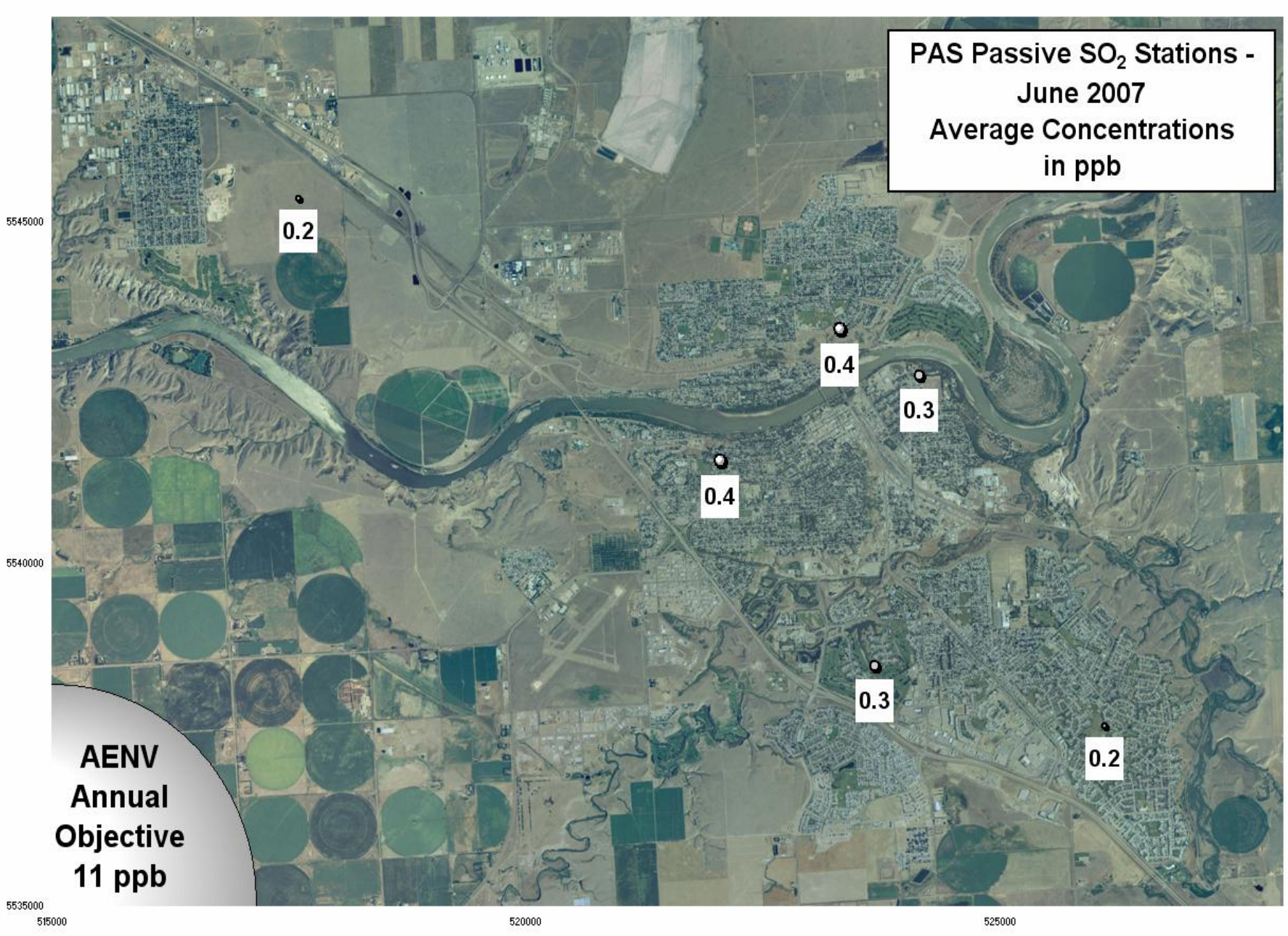


Figure 16. June 2007 SO_2 Passive Monitoring Results

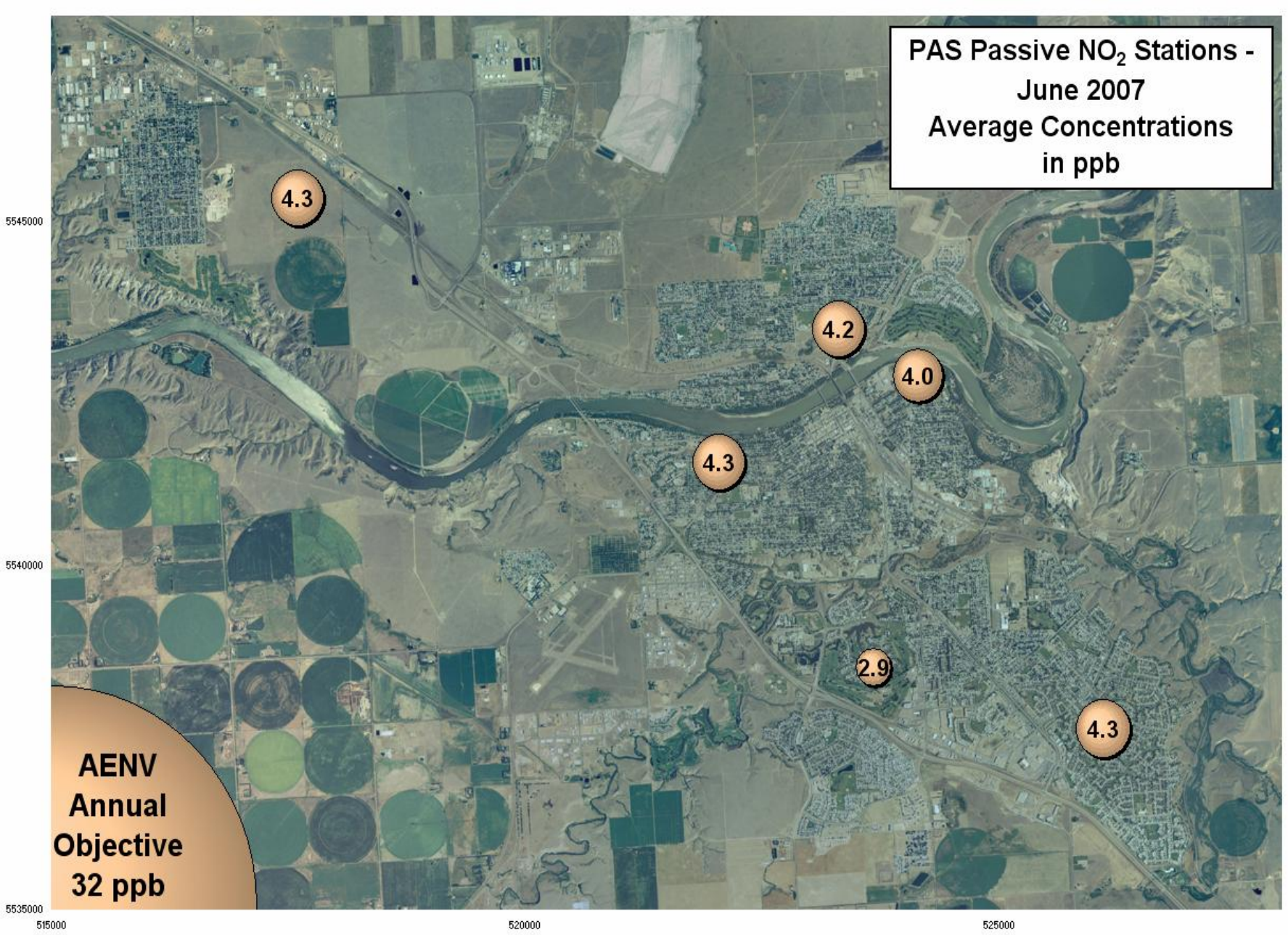


Figure 17. June 2007 NO_2 Passive Monitoring Results

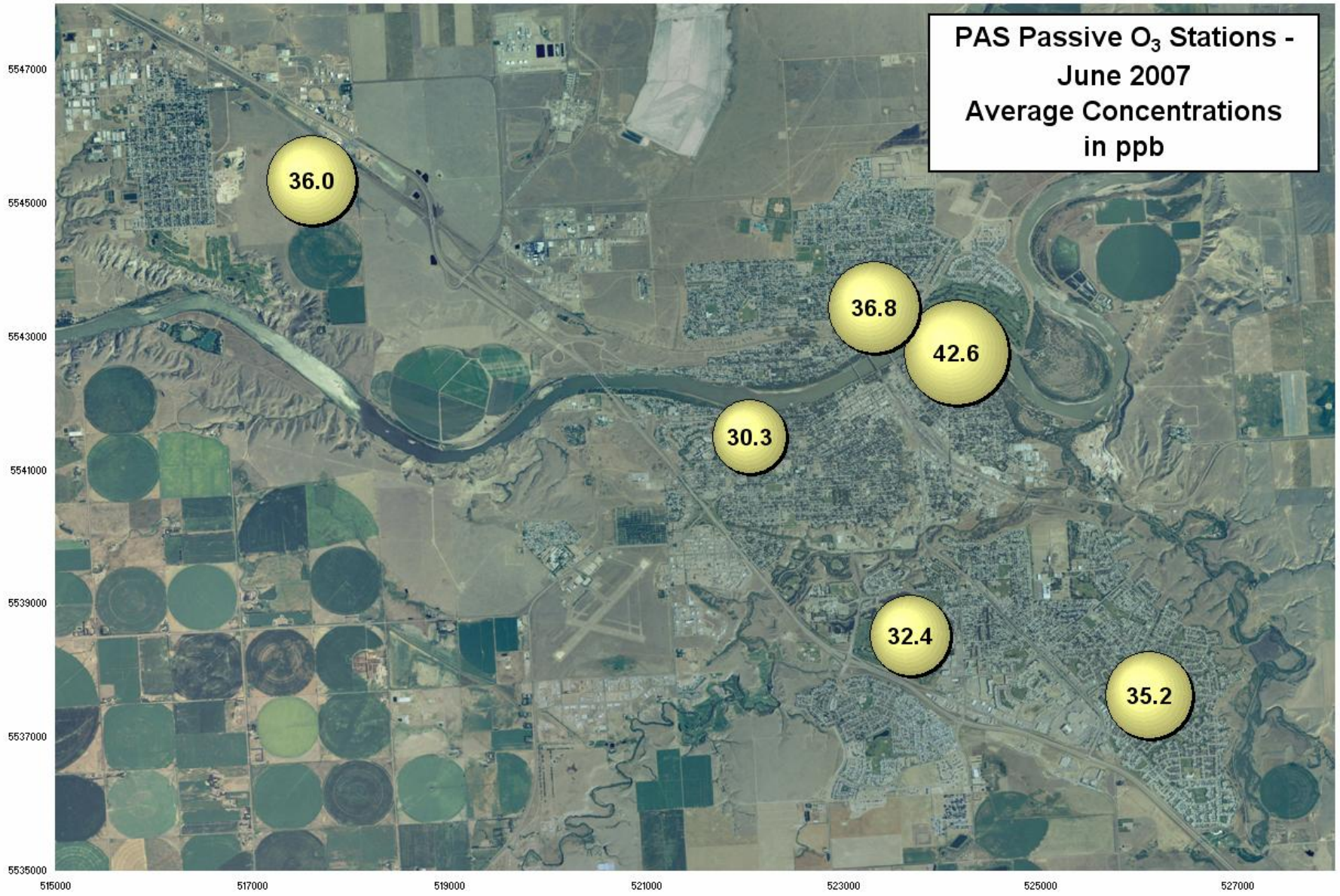


Figure 18. June 2007 O_3 Passive Monitoring Results

Palliser Airshed Society
June 2007 - Calibration Reports

Crescent Heights Station: O_3, NO_x, NO, NO_2, THC, CO and $PM_{2.5}$

Calibration Report

Parameter **O3**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 27, 2007	Previous Calibration	May 24, 2007
Station Number	101	Station Location	Crescent Heights
Reason: Routine	Calibration	Removal	Other:
Start Time (MST)	6:20	End Time (MST)	12:47
Barometric Pressure	27.7 inches Hg	Station Temperature	22.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
Cal Gas Concentration	NA	Cal Gas Expiry Date	NA
DACS make	Focus AP1000	DACS serial No.	45270
DACS voltage range	0 - 1 volt	DACS channel #	5
	Before		After
Calculated slope	0.995368	Calculated slope	0.981022
Calculated intercept	3.419002	Calculated intercept	1.316662
Analyzer make	API Model 400E	Analyzer serial #	331

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Offset	-11	ppb	-6.1	ppb
Slope	0.999		1.061	
Lamp measure	4733.5	mV	4243.9	mV
Lamp Reference	4734.1	mV	4249.9	mV
Pressure	26.1	inches Hg	26.2	inches Hg
Sample Flow	671	ccm	675	ccm
Sample temp	40.0	Deg C	38.5	Deg C

Calibration Data

Dilution air flow rate (cc/min)	Ozone Set Point	Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)
4988	0.0	0.0	-2.0	N/A
4988	300.0	311.5	313.1	0.9950
4988	200.0	206.5	214.5	0.9627
4988	100.0	113.8	113.1	1.0060
4988	0.0	0.0	1.6	0.0000
4988	300.0	311.5	299.3	1.0406
			Average Correction Factor	0.9879

Calculated value of As Found Response: 299.8 ppm Percent Change of As Found: -3.8%

	before calibration		after calibration	
Auto zero	-3.2	ppb	-1.9	ppb
Auto span	401.1	ppb	380.1	ppb

Notes: Performed maintenance: Took apart the bench and re-inforced seals.
Adjusted Zero and Span after maintenance...

Calibration Performed By: Travis Mehrer, Lenin Flores

Calibration Summary

FOCUS AIR QUALITY MONITORING

Parameter **O3**

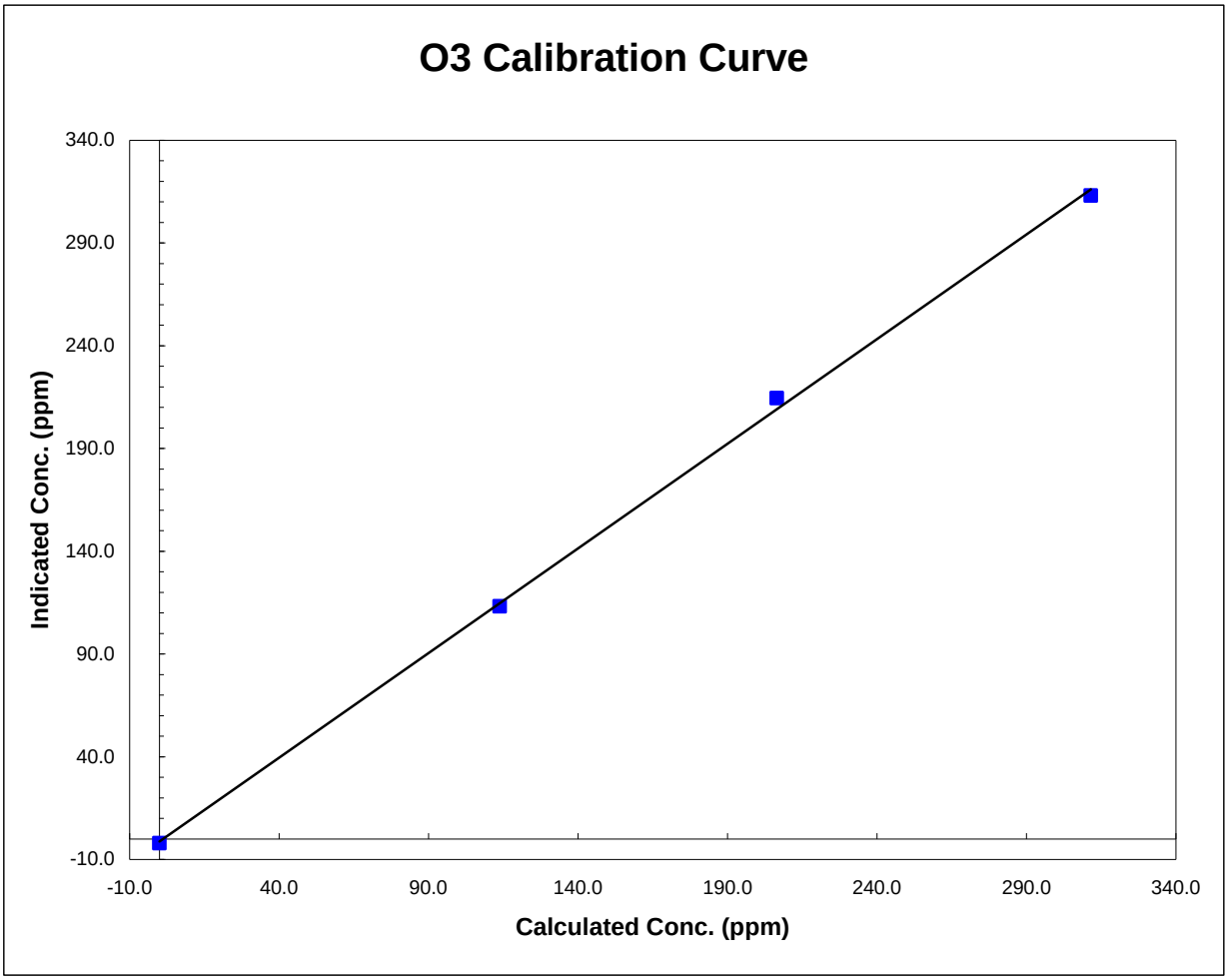
Air Monitoring Network **Palliser Airshed**

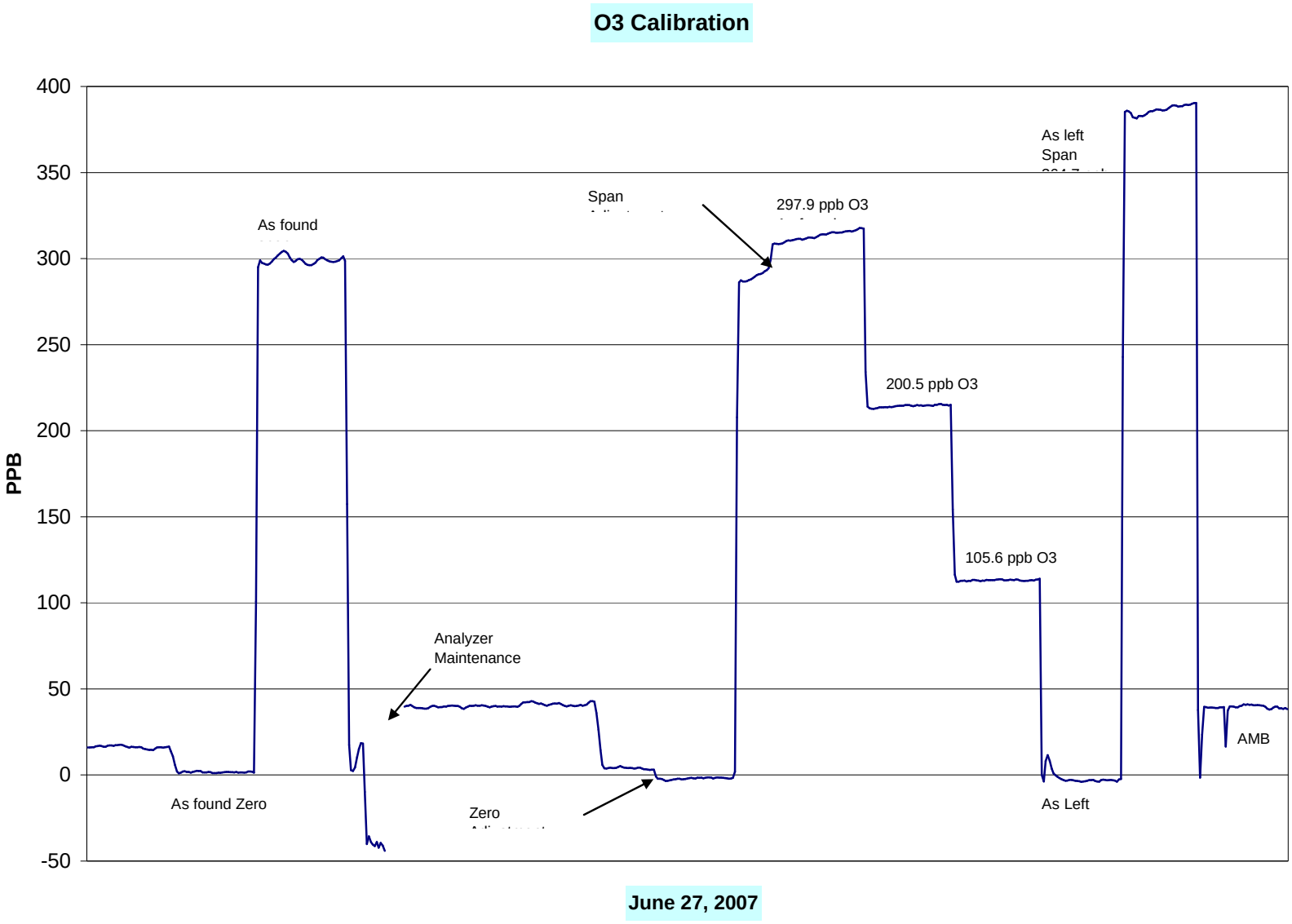
Station Information

Calibration Date	June 27, 2007	Previous Calibration	May 24, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	6:20	End Time (MST)	12:47
Analyzer make/model	API Model 400E	Analyzer serial #	331

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
311.5	313.1	0.9950		
206.5	214.5	0.9627	Correlation Coefficient	0.999252
113.8	113.1	1.0060		
0.0	-2.0	N/A	Slope	0.981022
			Intercept	1.316662




O3 Calibration
400
350
300
250
200
150
100
50
0
-50
PPB
As found
Span
297.9 ppb O3
As left
Span
200.5 ppb O3
105.6 ppb O3
Analyzer
Maintenance
AMB
As found Zero
Zero
As Left
June 27, 2007

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	11:30		End Time (MST)	15:48	
Barometric Pressure	27.7	inches Hg	Station Temperature	22.0	Deg C
Calibrator	Environics 6100		Serial Number	3474	
NO Cal Gas Conc	48.9	ppm	Cal Gas Expiry Date	5-Dec-07	
NOx Cal Gas Conc	48.9	ppm	Cal Gas Serial #	LL-50114	

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45270

Parameter		NO2	NOx	NO
Before	Data Slope	0.998797	1.003057	1.005246
	Data Offset	1.110046	1.222638	2.690093
After	Data Slope	1.016977	1.013871	1.000353
	Data Offset	4.272512	1.717992	2.402720
Channel #		8	6	7
Voltage Range		0 - 1 VDC	0 - 1 VDC	0 - 1 VDC

Analyzer Information

Analyzer make/model	API Model 200E	Analyzer serial #	219

Test Point	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
NO background	0.3	mV	0.3	mV
NOx background	1.7	mV	1.7	mV
NO coefficient	2.079		2.079	
NOx coefficient	2.122		2.122	
Chamber Temp	49.9	Deg C	50.0	Deg C
Cooler Temp	7.0	Deg C	7.0	Deg C
Azero	42.4		43.0	
Perm Temp	40.3	Deg C	40.2	Deg C
Pressure	4.1	inches Hg	4.8	inches Hg
Sample Flow	454.0	ccm	457.0	ccm

Notes: No adjustments or maintenance performed.

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: June 26, 2007 Station Location: Crescent Heights

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	4989	0.00	0.0	0.0	0.0	-3.1	-3.8	-2.8	N/A	N/A
1	4989	39.84	387.4	387.4	0.0	379.7	384.2	-7.4	1.0205	1.0085
2	4989	19.90	194.3	194.3	0.0	190.8	192.6	-4.7	1.0183	1.0091
3	4989	9.94	97.2	97.2	0.0	95.5	96.1	-4.1	1.0177	1.0111
AFZ	4989	0.00	0.0	0.0	0.0	-3.1	-3.8	-2.8	0.0000	0.0000
AFS	4989	39.84	387.4	387.4	0.0	379.7	384.2	-7.4	1.0205	1.0085
							Average Correction Factor		1.0188	1.0095

As Found Concentrations NO_X= 384.0 NO= 390.7 As Found Percent Change NO_X= -0.9% NO= 0.8%

GPT Calibration Data

Dilution Flow 4989 ccm Source Gas Flow 39.84 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	390.0	384.0	6.0	383.0	381.4	-2.8	N/A	N/A	N/A	N/A
300	390.4	276.6	113.8	383.3	274.1	105.9	1.0184	1.0091	1.0747	93.1%
200	390.0	183.6	206.5	383.0	181.1	198.1	1.0184	1.0136	1.0422	95.9%
100	391.4	79.9	311.5	384.3	77.5	303.2	1.0183	1.0314	1.0273	97.3%
					Average Correction Factor		1.0184	1.0180	1.0481	95.4%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.8	-0.9	1.3	ppb	-1.7	0.1	-0.8	ppb
Auto span	494.7	484.0	10.7	ppb	490.5	484.3	9.3	ppb

Calibration Performed By: Travis Mehrer, Lenin Flores

Calibration Summary

Parameter	NO_2
Air Monitoring Network	**Palliser Airshed**

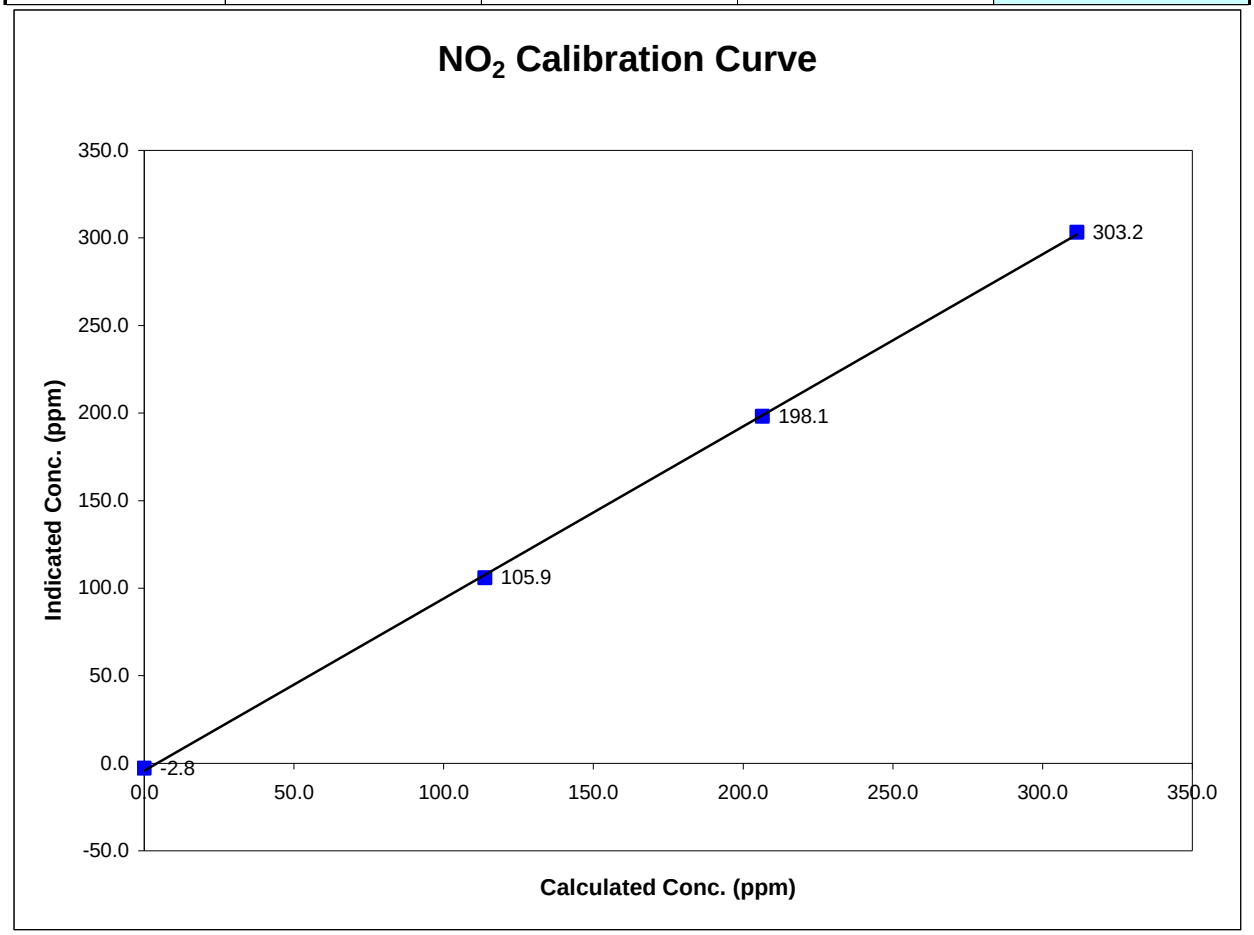
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	11:30	End Time (MST)	15:48
Analyzer make	API Model 200E	Analyzer serial #	219

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-2.8	0.0000		
113.8	105.9	1.0747	Correlation Coefficient	0.999863
206.5	198.1	1.0422		
311.5	303.2	1.0273	Slope	1.016977
			Intercept	4.272512



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **Palliser Airshed**

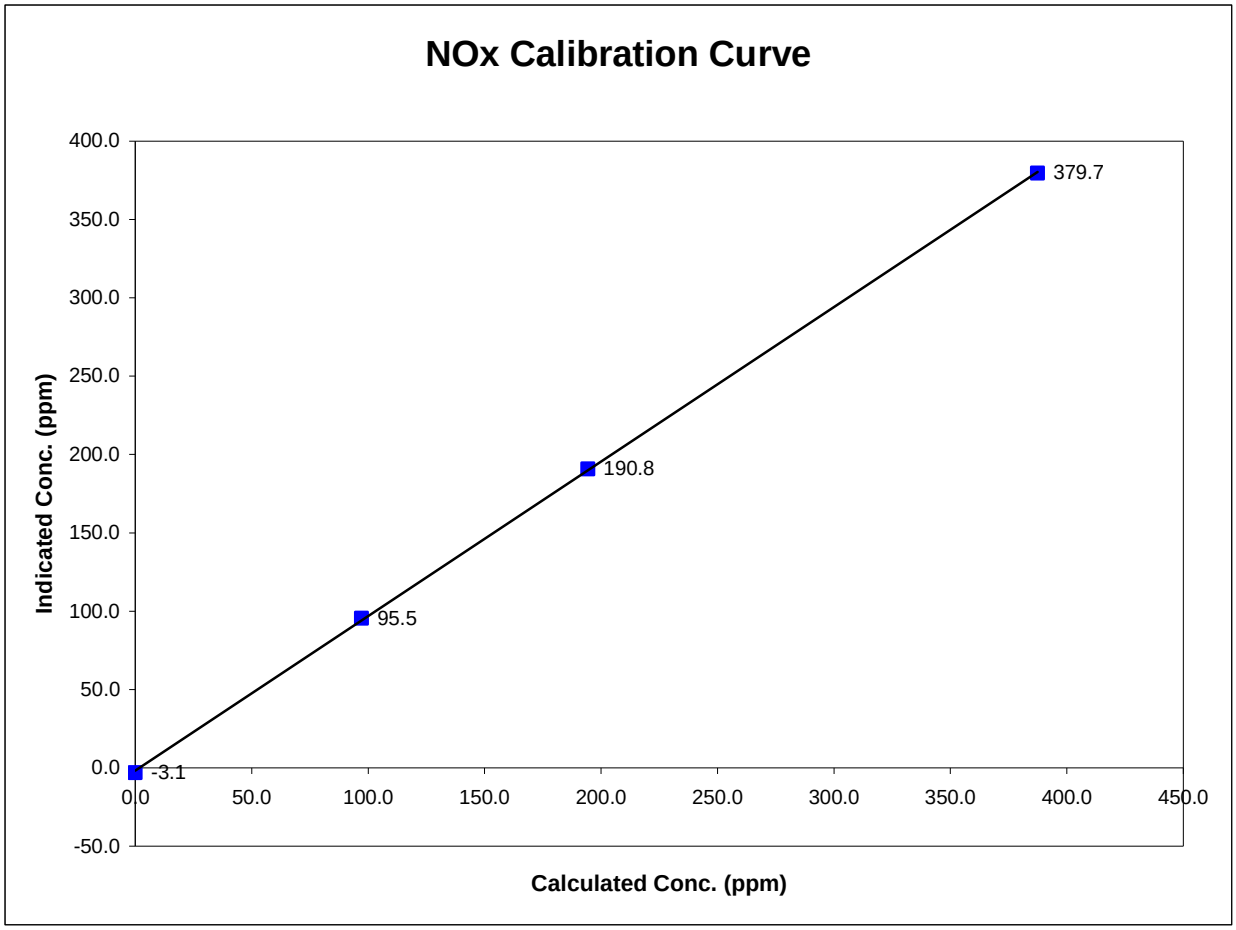
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	11:30	End Time (MST)	15:48
Analyzer make	API Model 200E	Analyzer serial #	219

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-3.1	0.0000		
387.4	379.7	1.0205	Correlation Coefficient	0.999936
194.3	190.8	1.0183		
97.2	95.5	1.0177	Slope	1.013871
			Intercept	1.717992



Calibration Summary

Parameter **NO**

Air Monitoring Network **Palliser Airshed**

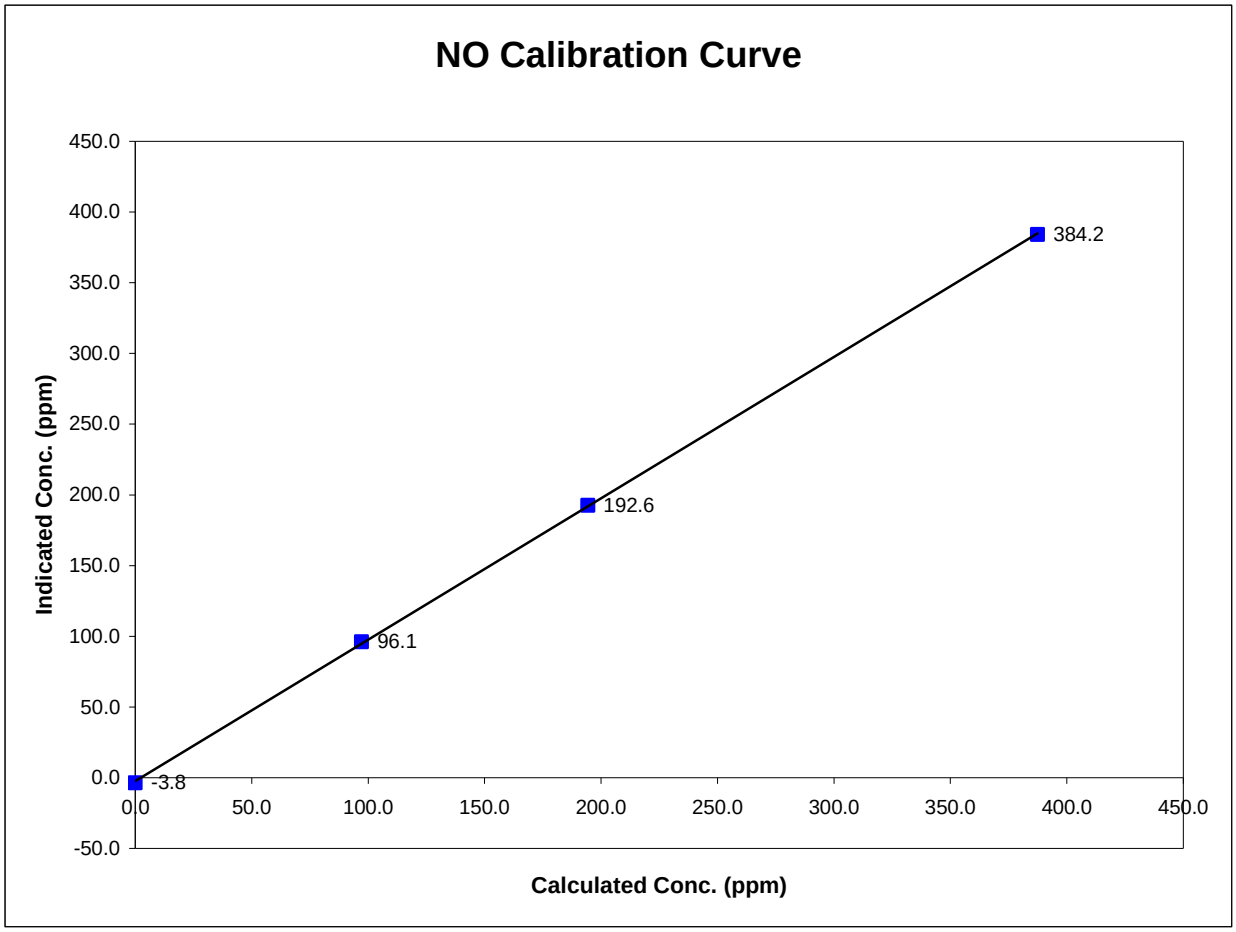
FOCUS AIR QUALITY MONITORING

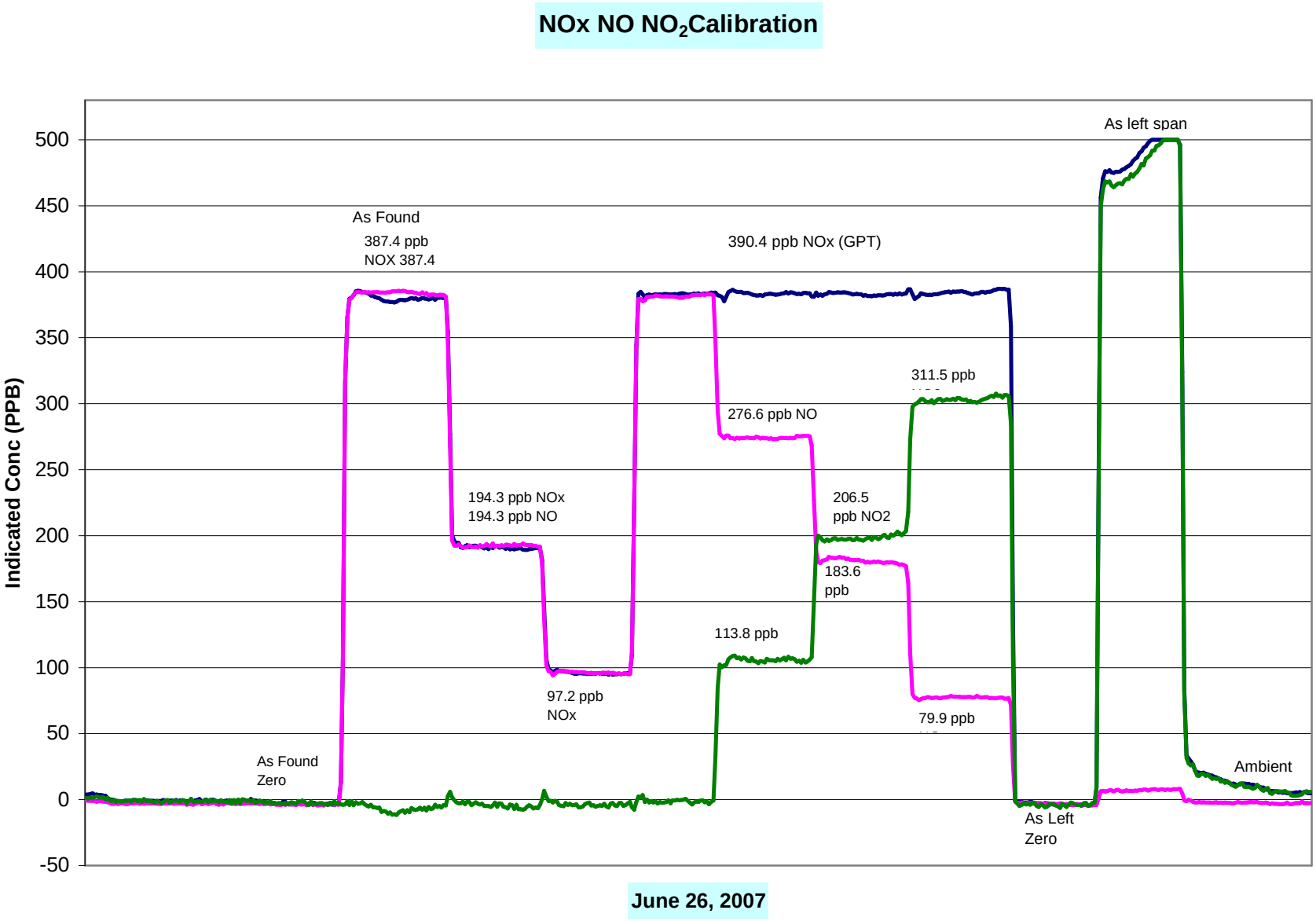
Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	11:30	End Time (MST)	15:48
Analyzer make	API Model 200E	Analyzer serial #	219

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-3.8	N/A		
387.4	384.2	1.0085	Correlation Coefficient	0.999941
194.3	192.6	1.0091		
97.2	96.1	1.0111	Slope	1.000353
			Intercept	2.402720




NOx NO NO2Calibration
Indicated Conc (PPB)
500
450
400
350
300
250
200
150
100
50
0
-50
As Found
387.4 ppb
NOX 387.4
390.4 ppb NOx (GPT)
As left span
311.5 ppb
276.6 ppb NO
194.3 ppb NOx
194.3 ppb NO
206.5
ppb NO2
183.6
ppb
113.8 ppb
97.2 ppb
NOx
79.9 ppb
As Found
Zero
Ambient
As Left
Zero
June 26, 2007

Calibration Report

Parameter **THC**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights

Reason: Routine | Install | Removal | Other:

Start Time (MST)	14:40	End Time (MST)	17:30
Barometric Pressure	27.7 inches Hg	Station Temperature	22.0 Deg C
Calibrator	Environics 6100	Serial Number	3747
Cal Gas Concentration	708 ppm CH_4 / 299 ppm C_3H_8	Cal Gas Expiry Date	8/28/2005
Cal Gas CH4 equiv	1530.25 ppm	Cal Gas Cylinder #	ALM030358
DACS make	Focus AP1000	DACS serial No.	45270
DACS voltage range	0 - 10 volt	DACS channel #	9
	Before		After
Calculated slope	0.989418	Calculated slope	0.990120
Calculated intercept	0.070753	Calculated intercept	0.000143

Analyzer make	TEI model 51C-LT	Analyzer serial # 407505596

	before		after	
Concentration range	0 - 50	ppm	0 - 50	ppm
THC sample pressure	5.75	PSI	5.75	PSI
THC span counts	12605	raw	12605	raw
THC zero counts	1370	raw	1370	raw
V Bias	-326	Volts	-326	Volts

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)
4990	0.00	0.00	-0.01	N/A
4990	79.74	24.07	24.32	0.9896
4990	39.84	12.12	12.20	0.9931
4988	9.94	3.04	3.11	0.9794
zero	0.00	0.00	-0.01	As Found Zero
4988	79.77	24.09	24.32	As Found Span
			Average Correction Factor	0.9873

Calculated value of As Found Response: 24.148 ppm Percent Change of As Found: -0.3%

	before calibration		after calibration	
Auto zero	-0.01	ppm	-0.04	ppm
Auto span	20.92	ppm	18.46	ppm

Notes: No adjustments were performed...

Calibration Performed By: Travis Mehrer, Lenin Flores

Calibration Summary

Parameter **THC**

Air Monitoring Network **Palliser Airshed**

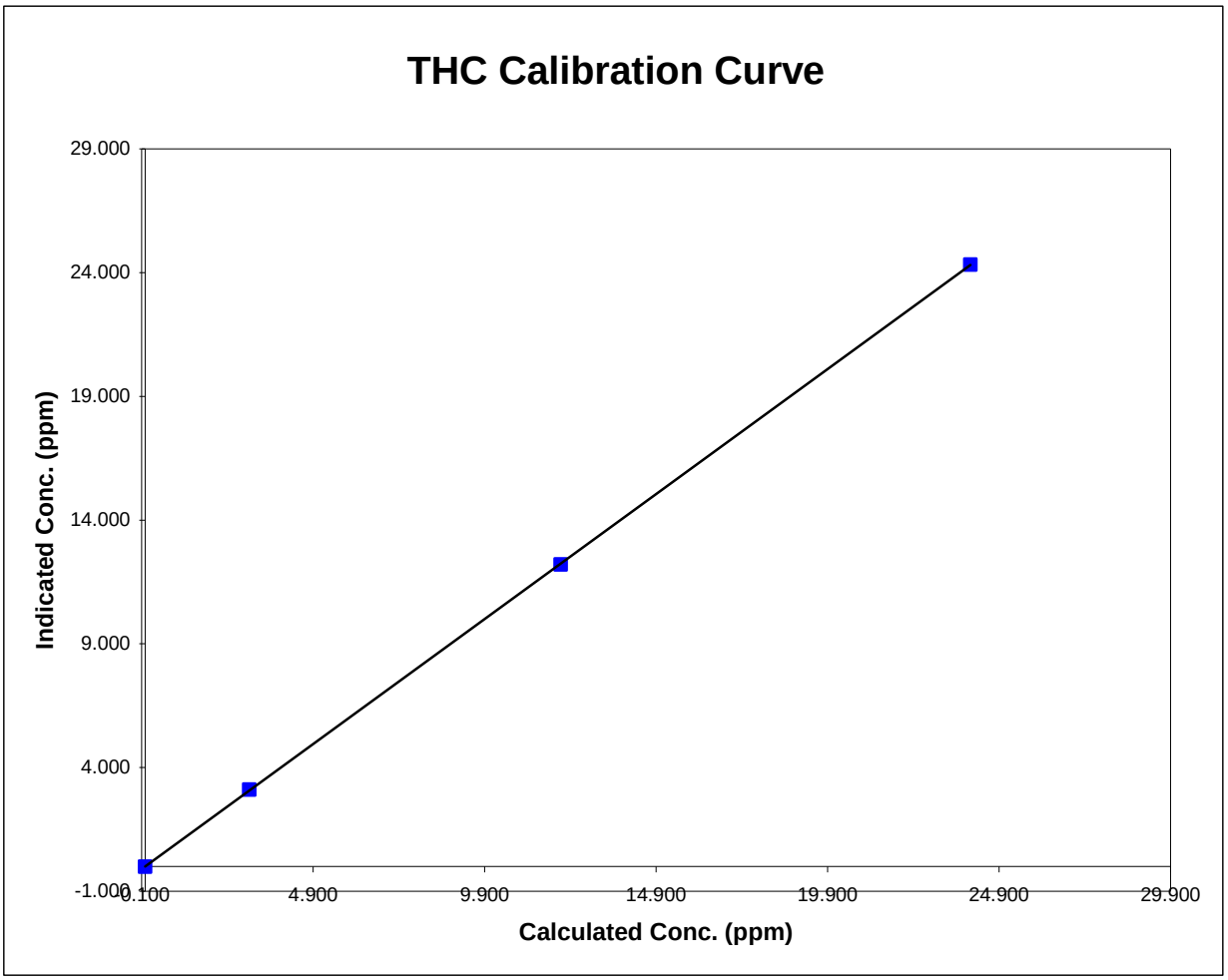
FOCUS AIR QUALITY MONITORING

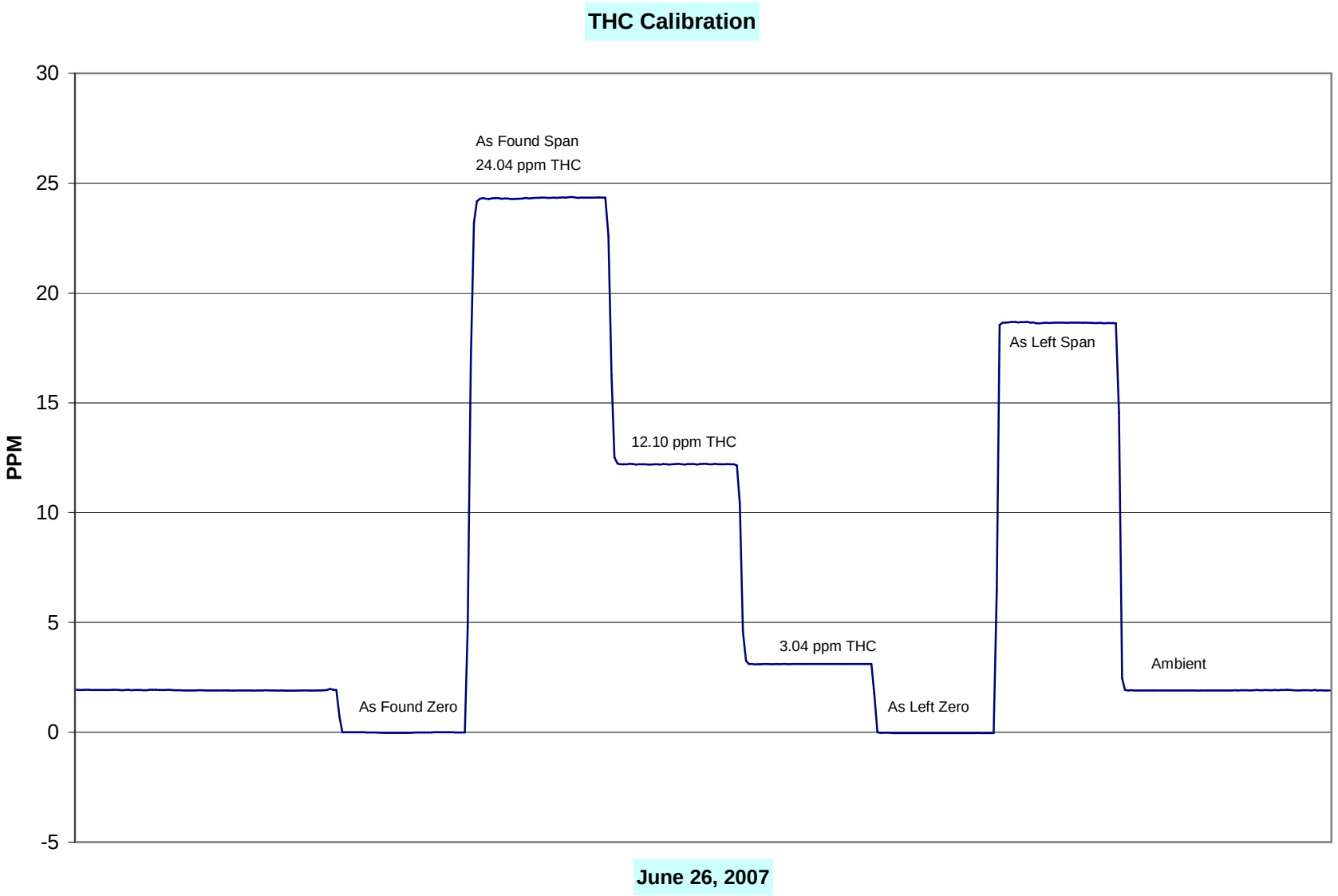
Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 23, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	14:40	End Time (MST)	17:30
Analyzer make/model	TEI model 51C-LT	Analyzer serial #	407505596

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	-0.012	N/A		
24.069	24.323	0.9896	Correlation Coefficient	0.999992
12.120	12.204	0.9931		
3.042	3.106	0.9794	Slope	0.990120
			Intercept	0.000143




THC Calibration
30
25
20
15
10
5
0
-5
PPM
As Found Span
24.04 ppm THC
12.10 ppm THC
3.04 ppm THC
As Left Span
Ambient
As Found Zero
As Left Zero
June 26, 2007

Calibration Report

Parameter **CO**

Air Monitoring Network **Palliser**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	June 27, 2007	Previous Calibration	May 24, 2007
Station Number	101	Station Location	Crescent Heights
Reason: Routine	Install	Removal	Other:
Start Time (MST)	7:07	End Time (MST)	10:45
Barometric Pressure	27.71 in Hg	Station Temperature	22.0 Deg C
Calibrator	Environics 6100	Serial Number	3474
Cal Gas Conc	2998 ppm	Cal Gas Expiry Date	3/14/2008
		Cal Gas Cylinder #	BLM002248
DACS make	Focus AP1000	DACS serial No.	45270
DACS voltage range	0 - 1 volt	DACS channel #	11
	Before		After
Calculated slope	0.992768	Calculated slope	1.012196
Calculated intercept	-0.393784	Calculated intercept	-0.074619
Analyzer make	TEI Model 48C	Analyzer serial #	436609887

	before		after	
Concentration range	0 - 50	ppm	0 - 50	ppm
CO coefficient	1.080		1.080	
CO bkg setting	0.675		1.197	
Lamp ratio	1.142923		1.142311	
Lamp intensity	199429	Hz	199466	Hz
Sample Flow	1.018	LPM	1.017	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)
4989	0.00	0.00	-0.01	N/A
4989	49.83	29.65	29.33	1.0107
4989	19.91	11.92	11.88	1.0034
4989	9.93	5.95	6.04	0.9853
4989	0.00	0.00	0.52	0.0000
4989	49.87	29.67	30.63	0.9686
			Average Correction Factor	0.9998

Calculated value of As Found Response: 29.495 ppm Percent Change of As Found: 0.6%

	before calibration		after calibration	
Auto zero	-0.04	ppm	-0.04	ppm
Auto span	20.65	ppm	19.50	ppm

Notes: No adjustments made. Initial as found response somewhat slower than expected due to wrong cylinder connected to calibrator....

Calibration Performed By: Travis Mehrer, Lenin Flores

Calibration Summary

Parameter	CO
Air Monitoring Network	Palliser

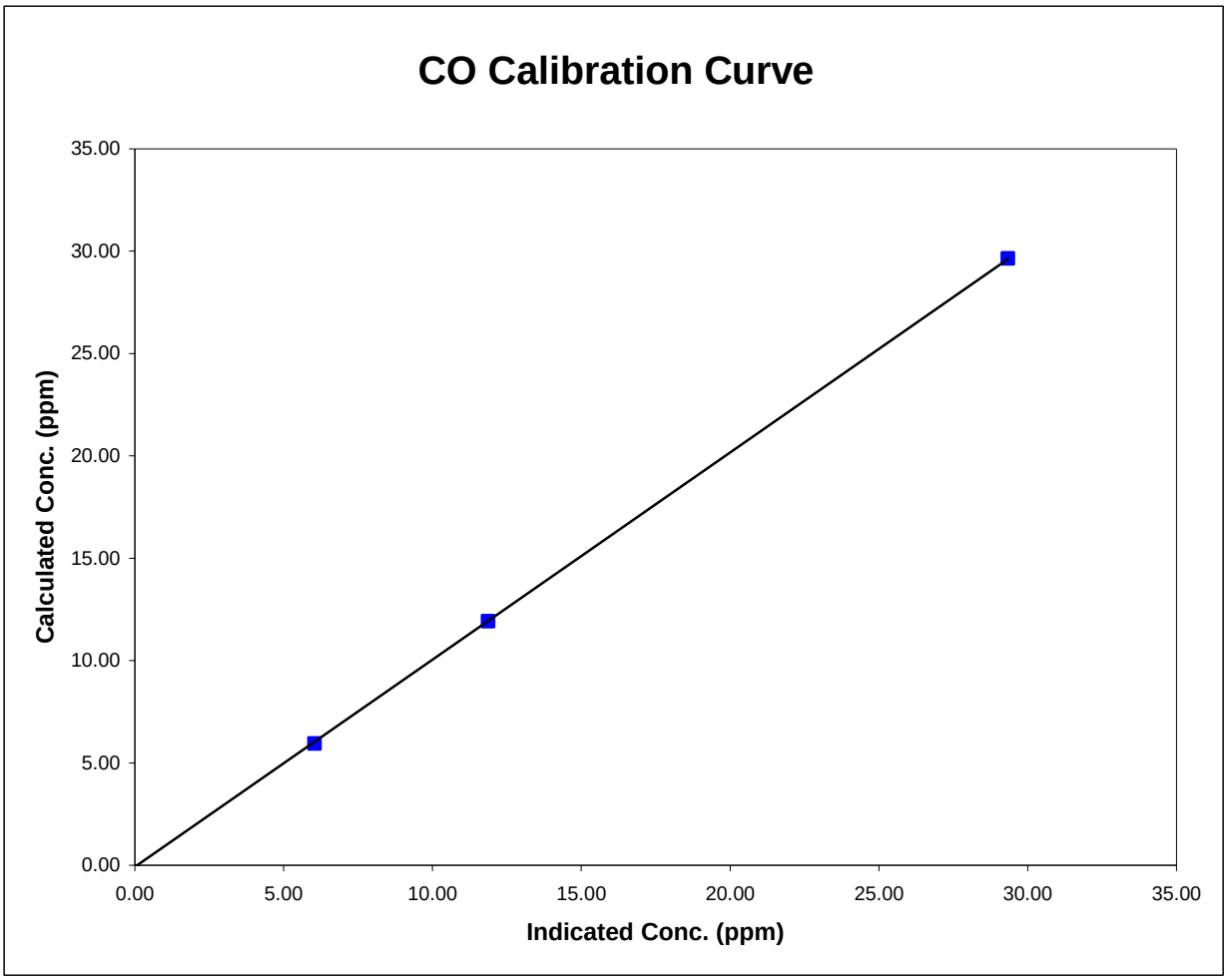
FOCUS AIR QUALITY MONITORING

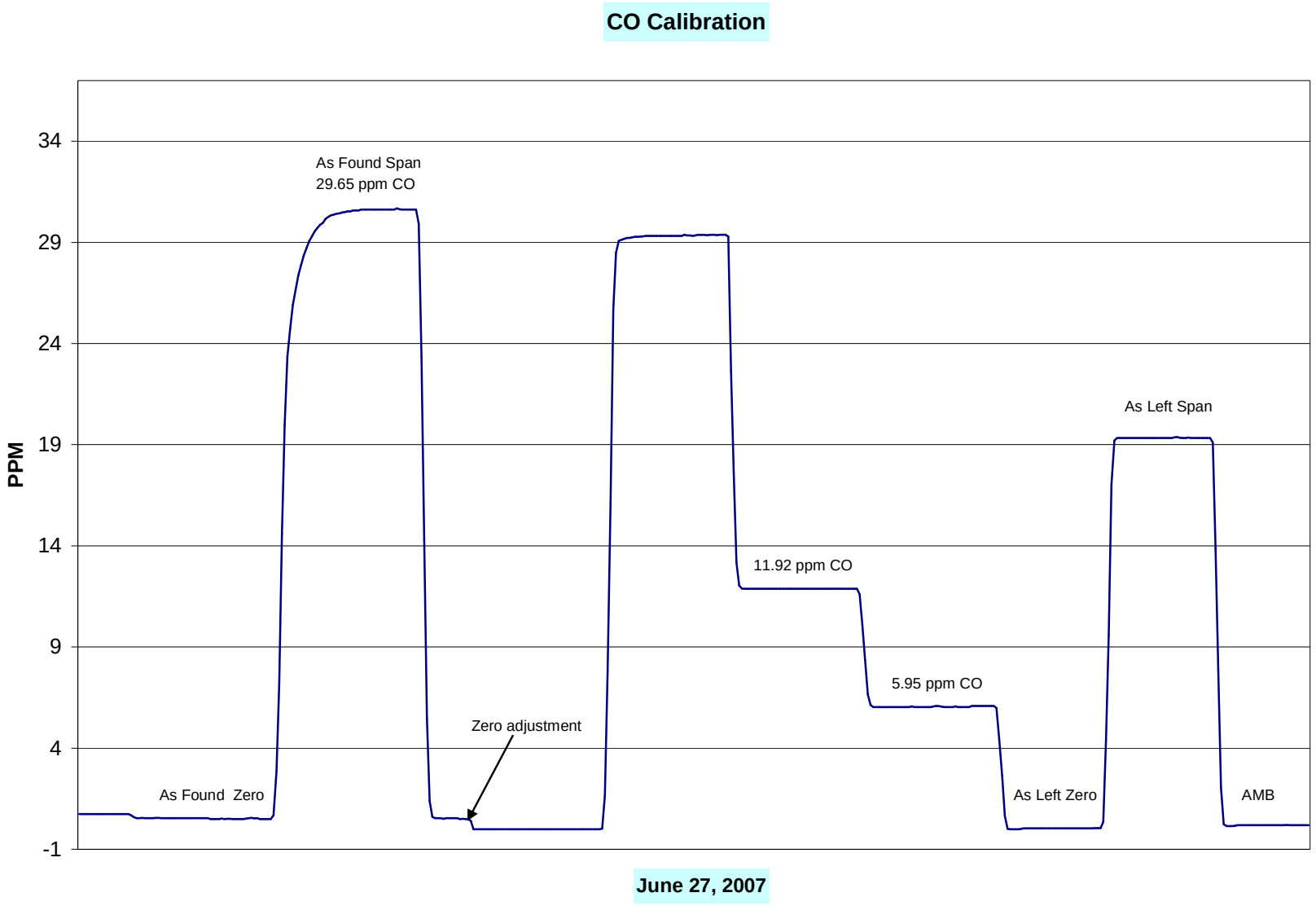
Station Information

Calibration Date	June 27, 2007	Previous Calibration	May 24, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	7:07	End Time (MST)	10:45
Analyzer make/model	TEI Model 48C	Analyzer serial #	436609887

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.00	-0.01	N/A		
29.65	29.33	1.0107	Correlation Coefficient	0.999965
11.92	11.88	1.0034		
5.95	6.04	0.9853	Slope	1.012196
			Intercept	-0.074619




CO Calibration
34
29
24
19
14
9
4
-1
PPM
As Found Span
29.65 ppm CO
As Left Span
11.92 ppm CO
5.95 ppm CO
Zero adjustment
As Found Zero
As Left Zero
AMB
June 27, 2007

Calibration Report

FOCUS AIR QUALITY MONITORING

Parameter **PM2.5**

Air Monitoring Network **Palliser Airshed**

Station Information

Calibration Date	June 26, 2007	Previous Calibration	May 24, 2007
Station Number	1	Station Location	Crescent Heights

Reason: Routine | Install | Removal | Other:

Start Time (MST)	8:52	End Time (MST)	15:20
Barometric Pressure	0.913 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 Scale High	450	DACS slope	450
DACS Scale Low	-50	DACS intercept	-50

Analyzer Information

Analyzer make	R&P	Control Unit serial #	140AB237960110
Analyzer model	TEOM 1400AB	Sensor Unit serial #	140AB237960110

	before		after	
Main Flow Set Point	3.000	SLPM	3.000	SLPM
Aux Flow Set Point	13.67	SLPM	13.65	SLPM
Filter Load	44%	%	18%	%
Ko Factor	NA		NA	
Temperature	23.2	Deg C	23.2	Deg C
Pressure	0.926	ATM	0.926	ATM

Calibration Data

Parameter	Set Point	TEOM Reading (as found)	Tolerance	TEOM Reading (after adjustments)
zero flow - main	0.0	0.00	0.00	0.00
zero flow - auxillary	0.0	-0.01	0.01	-0.01
flow recovery - main	45 - 60 Seconds	35.0	45 - 60 Seconds	31.0
flow recovery - aux	46 - 60 Seconds	41.0	46 - 60 Seconds	45.0
Temperature	measured	22.9	+/- 1.0 Deg C	22.9
Pressure	measured	0.926	+/- 1.5% Δ_{ATM}	0.926
Total Flow	16.67 SLPM	16.14		16.63
Auxiliary flow	13.67 SLPM	13.20	+/- 1.0 SLPM	13.63
Main flow	3.0 SLPM	3.043	+/- 0.2 SLPM	3.100
Leak Check - main	0.0	0.01	<0.15 SLPM	0.01
Leak Check - aux	0.0	-0.01	<0.15 SLPM	-0.01
Ko Factor (w/o filter)	measured	NA	filter weight (g)	NA
Ko Factor (w/ filter)	measured	NA	% Ko difference	NA

Notes: Auxiliary flow was adjusted...

Calibration Performed By: Travis Mehrer, Lenin Flores