Palliser Airshed Society

Ambient Air Monitoring Network Summary

May 2007

Prepared By:

FOCUS
AIR QUALITY MONITORING

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June 26, 2007

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

Attention: Director of Monitoring and Evaluation

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

Enclosed is the PAS Ambient Monitoring Report for the month of **May 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 100% for the month of May.

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

- Monthly average concentrations of NO_2 was 5.4 ppb
- Monthly average concentrations for O_3 was 35.3 ppb
- Monthly average concentrations for CO was 0.19 ppm
- Monthly average concentrations for THC was 1.97 ppm
- Monthly average concentrations for $PM_{2.5}$ was 3.9 µg/m³

The Air Quality Index (AQI) recorded 600 hours of Good readings and 108 hours of Fair readings for the month of May.

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

- Average concentrations for SO_2 passives ranged from 0.7 to 0.9 ppb with a mean of 0.7 ppb.
- Average concentrations for NO_2 passives ranged from 1.1 to 1.7 ppb with a mean of 1.4 ppb.
- Average concentrations for O_3 passives ranged from 30.9 to 38.8 ppb with a mean of 35.2 ppb.

Focus added the NO_2 and SO_2 Provincial Annual Objectives to 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 May 23rd (NO_X and THC) and May 24th (CO, O_3 and TEOM). The THC and CO span cylinders were changed out on May 24th.

Parameter	Make	Model	Units	Notes
Ozone	Teledyne - API	400E	ppb	No operational issues observed.
Nitrogen Dioxide	Teledyne - API	200E	ppb	No operational issues observed.
Total Hydrocarbons	Bendix	400A	ppm	On May 22nd, 23rd and 24th the spans started to drop due to span cylinder becoming empty, the cylinder was replaced on May 24th.
Carbon Monoxide	TEI	49C	ppm	On May 22nd, 23rd and 24th the spans started to drop due to span cylinder becoming empty, the cylinder was replaced on May 24th.
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.

May 2007 Monthly Overall Summary Report
Ambient Air Quality Data

May-2007	Palliser Airshed Society						Maximum Recorded Values						
							1-hr				24-hr / 8-hr		
Pollutant (units)	**Objectives** 1-hr	24-hr	**Station**	**Monthly Average**	**Exceedence** 1-hr	24-hr	Conc	Day	WSPD (km/hr)	WDIR (Sector)	Conc	Day	**Operational Time (%)**
NO (**ppb**)			Crescent Heights	1.8	-	-	41.4	May-15 05:00	2.1	ENE	6.2	May-15	100.0%
NO_2 (**ppb**)	212	106	Crescent Heights	5.4	0	0	43.2	May-17 21:00	5.6	SSE	9.8	May-17	100.0%
NO_X (**ppb**)			Crescent Heights	6.9	-	-	80.0	May-17 21:00	5.6	SSE	15.0	May-15	100.0%
O_3 (**ppb**)	82		Crescent Heights	35.3	0	-	68.9	May-06 15:00	11.6	NW	51.6	May-20	100.0%
O_3 (**ppb**) - **8-hr**	65		Crescent Heights		0						64.0	May-06	
CO (**ppm**)	13		Crescent Heights	0.19	0	-	0.6	May-17 21:00	6	SSE	0.3	May-17	100.0%
CO **(ppm) - 8-hr**	5		Crescent Heights		0						0.3	May-17	
THC (**ppm**)			Crescent Heights	1.97	-	-	2.6	May-30 02:00	4.4	NNW	2.1	May-30	100.0%
$PM_{2.5}$ ($\mu g/m^3$)		30 [a]	Crescent Heights	3.9	0	0	25.4	May-17 21:00	5.6	SSE	10.5	May-17	100.0%
RH **(%)**			Crescent Heights	56.9	-	-	-	-	-	-	-	-	100.0%
SR **(W/m2)**			Crescent Heights	227.9	-	-	-	-	-	-	-	-	100.0%
Temp **(°C)**			Crescent Heights	13.7	-	-	-	-	-	-	-	-	100.0%
WSPD v (**km/hr**)			Crescent Heights	11.5	-	-	31.3	May-02 18:00	31.3	SW	15.8	May-04	100.0%
WSPD s (**km/hr**)			Crescent Heights	12.2	-	-	31.8	May-02 18:00	31.8	SW	19.4	May-09	100.0%
WDIR			Crescent Heights	W	-	-	-	-	-	-	-	-	100.0%

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

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: May 1, 2007 to June 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:	600
Number of 1-hr Fair Readings:	108
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-May-07	19	21	20	19	19	20	20	21	22	22	22	23	26	24	24	24	24	22	22	22	22	22	24	24
2-May-07	23	22	N	18	12	7	10	8	6	9	14	18	19	20	22	25	22	21	21	21	20	15	11	14
3-May-07	7	N	5	5	4	5	4	5	11	8	6	7	7	7	8	10	13	14	14	14	15	16	17	17
4-May-07	N	16	18	16	16	13	13	15	15	18	18	21	22	23	24	24	23	24	20	20	19	17	17	N
5-May-07	17	17	15	13	12	12	14	17	19	20	22	24	25	27	28	29	31	30	29	24	15	18	N	17
6-May-07	18	14	13	15	12	11	10	13	17	23	29	31	35	38	38	41	39	36	35	26	19	N	21	18
7-May-07	15	15	17	14	11	8	11	14	15	18	24	26	26	28	26	27	24	21	19	15	N	12	10	10
8-May-07	10	10	10	11	12	10	9	12	16	17	19	19	20	23	23	22	22	23	21	N	14	15	12	12
9-May-07	14	16	16	16	14	11	14	17	20	20	21	24	27	26	26	26	26	25	N	20	16	14	15	14
10-May-07	13	13	12	12	11	11	12	13	15	17	17	19	21	23	23	23	24	N	24	21	16	15	15	11
11-May-07	12	11	9	4	3	3	6	7	11	17	21	22	23	30	33	37	N	39	37	31	30	18	11	11
12-May-07	10	13	14	13	13	17	17	19	23	24	25	28	30	32	34	N	36	33	27	24	25	30	25	25
13-May-07	25	25	28	29	23	23	21	21	25	24	25	24	32	32	N	27	29	27	26	25	25	24	22	22
14-May-07	22	22	21	20	20	22	20	22	27	27	29	30	31	N	32	32	30	29	29	23	23	22	16	12
15-May-07	13	12	11	4	6	8	8	8	13	22	24	27	N	34	36	36	37	37	35	32	27	19	17	17
16-May-07	20	14	17	18	14	14	19	19	31	31	33	N	35	33	31	32	31	31	29	24	21	23	24	22
17-May-07	20	19	14	15	14	9	10	13	17	20	N	32	34	38	36	38	40	38	33	25	21	21	14	12
18-May-07	14	16	16	16	16	15	13	15	16	N	19	19	19	19	19	19	20	21	18	15	14	12	11	10
19-May-07	10	9	9	9	8	8	9	10	N	10	10	11	14	15	17	18	20	20	20	18	17	17	21	23
20-May-07	25	24	24	23	19	16	14	N	23	24	26	28	33	33	35	35	34	33	30	26	32	32	31	28
21-May-07	20	16	15	11	10	10	N	10	10	10	10	10	11	15	18	18	17	19	20	19	19	19	20	20
22-May-07	17	13	11	13	13	N	12	12	13	14	16	17	18	17	19	19	19	20	18	14	13	13	13	11
23-May-07	11	9	10	9	N	7	10	13	15	16	16	18	19	20	21	22	22	22	21	17	16	18	16	12
24-May-07	17	17	N	15	14	13	11	12	18	1	0	2	2	2	N	N	N	N	18	17	15	14	15	17
25-May-07	13	11	N	8	8	7	5	5	10	12	18	20	18	18	18	20	20	18	19	18	15	17	14	10
26-May-07	7	9	N	13	15	14	15	17	18	20	20	20	22	22	23	24	23	23	23	19	15	15	20	19
27-May-07	19	N	16	16	15	12	12	16	18	20	21	23	23	30	30	32	32	31	28	20	21	24	24	26
28-May-07	N	18	14	12	14	10	14	17	18	15	11	12	9	10	9	12	12	15	11	13	11	10	10	N
29-May-07	9	9	8	7	6	5	5	7	10	10	10	10	11	11	11	11	13	14	15	16	13	10	N	7
30-May-07	7	7	7	6	7	6	4	4	7	10	12	11	12	12	12	14	15	16	15	14	15	N	13	12
31-May-07	12	11	9	7	6	6	7	7	14	14	15	17	20	21	22	23	24	25	24	23	N	11	7	7

PAS - Crescent Heights - Nitrogen Dioxide Monthly Summary

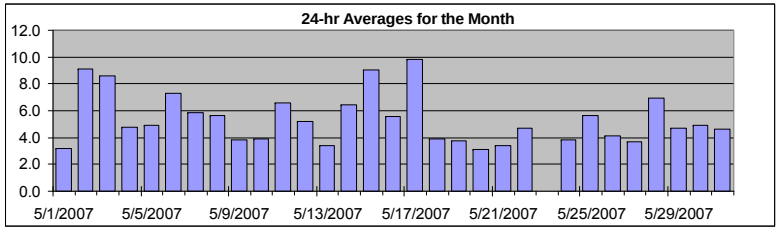
Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Nitrogen Dioxide (NO_2)

Monitoring Dates: May 1, 2007 to June 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:	43.2	ppb	17-May	21:00 22:00
Maximum 24-hr Average:	9.8	ppb	17-May	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	19.5	13.8	6.9	4.2	2.5	1.4	0.9	5.4 ppb	4.2 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-May-07	4	2	1	1	1	2	3	2	2	3	5	3	2	5	4	5	4	7	6	5	4	3	1	1	3.2	7.1
2-May-07	1	3	A	6	9	17	16	18	21	16	7	5	4	7	6	4	9	12	8	6	7	10	14	5	9.1	20.8
3-May-07	12	A	14	20	15	15	14	12	7	9	11	7	7	11	6	5	6	5	5	4	4	4	3	2	8.6	19.5
4-May-07	A	11	5	5	4	7	9	5	6	3	4	2	3	2	3	3	4	2	7	4	5	6	4	A	4.8	11.0
5-May-07	6	3	5	7	8	9	5	3	2	2	2	2	2	2	2	2	2	4	4	8	18	4	A	12	4.9	18.3
6-May-07	8	12	10	8	11	13	15	11	9	5	4	4	2	2	3	2	2	2	2	9	18	A	10	7	7.3	17.9
7-May-07	7	7	5	7	9	13	9	5	4	4	2	2	2	2	4	3	4	5	5	12	A	11	8	6	5.9	12.9
8-May-07	6	4	4	4	3	6	7	7	3	3	2	4	3	2	3	7	5	3	8	A	15	8	11	12	5.6	15.3
9-May-07	5	2	2	3	5	14	10	6	3	3	3	3	2	2	2	1	1	1	A	6	5	4	2	3	3.8	13.9
10-May-07	2	3	2	2	3	4	3	2	1	1	1	1	2	3	4	4	4	A	8	7	11	10	5	7	3.9	11.0
11-May-07	4	4	6	10	14	12	8	12	8	5	4	4	3	2	3	1	A	6	4	4	4	9	12	9	6.6	14.2
12-May-07	14	8	6	7	7	7	7	4	2	2	2	2	3	2	2	A	6	4	6	8	7	4	5	4	5.2	14.2
13-May-07	3	2	2	2	3	3	4	3	2	3	3	4	2	2	A	6	4	4	4	5	6	4	4	3	3.4	6.3
14-May-07	4	3	3	4	5	5	7	6	3	5	5	4	5	A	8	5	6	6	4	8	7	11	16	18	6.5	17.7
15-May-07	11	9	8	18	23	23	21	18	12	4	5	5	A	8	4	4	3	3	2	3	4	8	7	5	9.0	22.8
16-May-07	3	12	5	4	9	13	11	12	3	4	4	A	6	4	4	3	3	3	6	7	7	3	2	2	5.6	13.4
17-May-07	2	3	9	4	6	15	19	9	4	4	A	8	5	3	6	5	4	5	5	10	17	43	27	13	9.8	43.2
18-May-07	10	6	5	7	4	5	10	7	4	A	6	4	4	4	2	2	1	1	2	1	2	1	1	1	3.9	10.2
19-May-07	2	2	1	2	2	2	2	2	A	9	8	8	6	5	2	2	2	3	3	6	5	5	3	3	3.8	9.5
20-May-07	2	2	1	4	5	7	6	A	6	4	3	3	2	2	2	2	2	2	4	4	3	2	3	2	3.1	6.8
21-May-07	5	7	5	3	3	3	A	7	4	3	3	3	3	3	2	2	3	3	3	3	3	3	2	2	3.4	6.9
22-May-07	2	5	7	5	3	A	9	6	4	3	2	2	3	4	2	2	2	2	3	9	9	9	8	8	4.7	9.1
23-May-07	7	9	6	9	A	13	5	3	2	C	C	C	C	C	C	C	A	4	4	6	8	5	3	6	N	12.7
24-May-07	2	2	A	6	4	4	8	18	7	4	2	3	2	2	1	1	1	1	1	2	4	6	5	3	3.8	17.8
25-May-07	7	7	A	11	9	7	8	10	4	8	2	3	4	3	4	3	3	4	2	3	6	5	8	12	5.6	11.9
26-May-07	12	7	A	9	5	5	4	2	3	2	1	2	1	1	2	1	2	2	3	7	11	8	3	2	4.1	12.2
27-May-07	1	A	6	3	3	6	5	3	2	2	2	3	4	2	2	2	3	3	4	14	6	3	2	2	3.7	13.9
28-May-07	A	7	8	7	8	11	8	6	4	5	7	6	8	8	10	7	9	3	8	5	7	7	6	A	6.9	11.0
29-May-07	9	7	6	5	5	6	6	6	3	2	3	3	3	3	3	3	2	2	1	3	4	9	A	14	4.7	14.3
30-May-07	12	8	8	9	8	10	10	9	5	3	2	3	2	2	2	2	2	1	2	2	1	A	6	3	4.9	12.1
31-May-07	3	3	4	4	6	6	5	8	2	2	2	2	1	1	1	1	1	1	1	2	A	18	20	14	4.6	20.2
Hourly Avg	5.7	5.5	5.3	6.3	6.7	8.7	8.4	7.4	4.7	4.3	3.7	3.5	3.3	3.4	3.3	3.1	3.5	3.4	4.2	5.7	7.2	7.7	6.9	6.3		
Hourly Max	14.2	12.2	13.9	19.5	22.8	22.6	20.6	18.3	20.8	15.8	10.7	8.0	7.7	11.1	9.6	7.3	9.1	11.6	7.9	13.9	18.3	43.2	26.7	17.7		

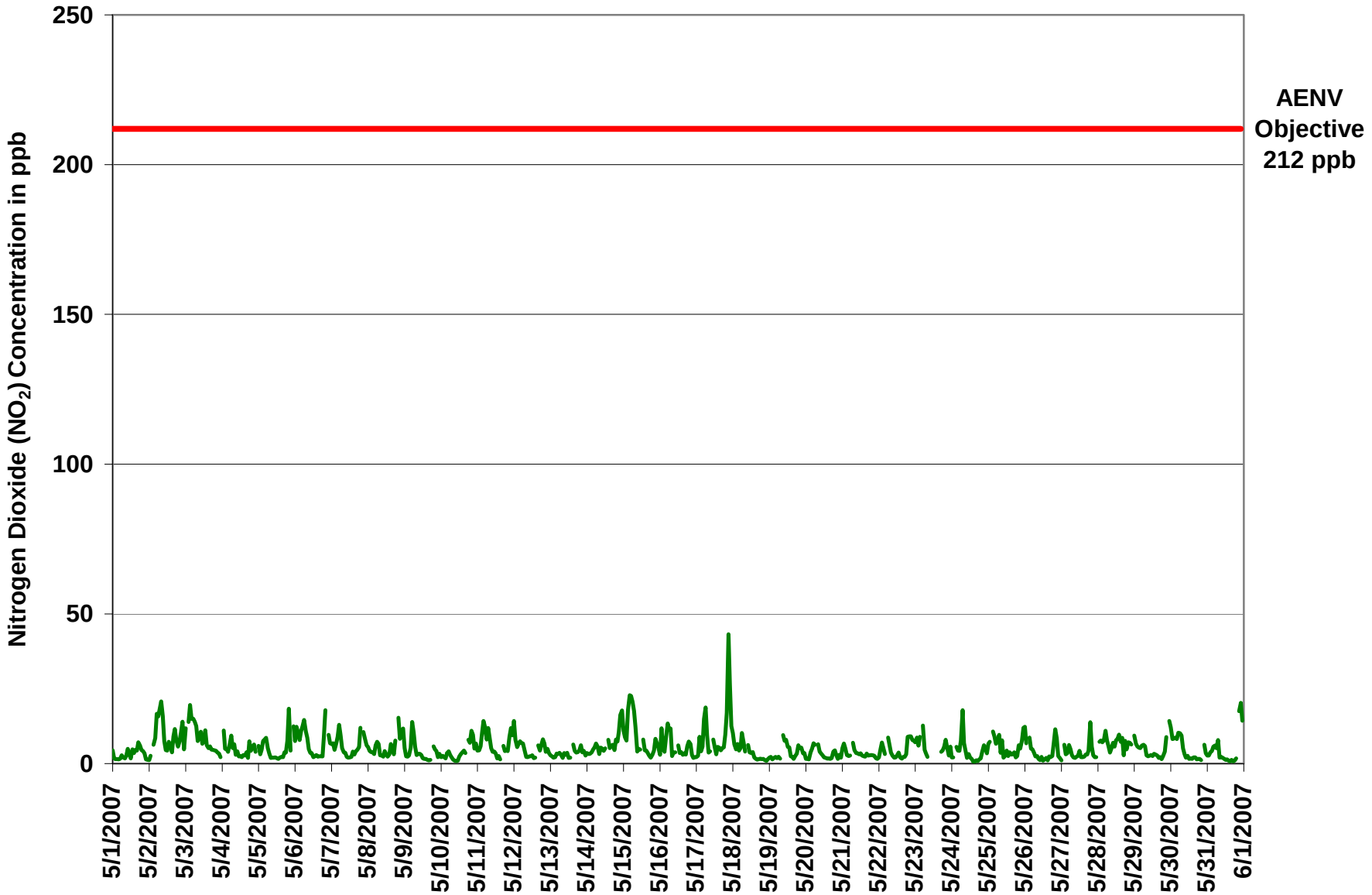


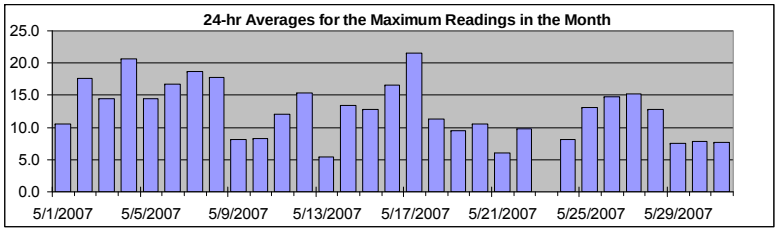
Figure 1. PAS - Crescent Heights Nitrogen Dioxide 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitrogen Dioxide (NO_2)

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



Summary

Maximum 1-hr Value:	79.8	ppb	17-May	20:00 21:00
Maximum 24-hr Value:	21.5	ppb	17-May	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	44.6	34.6	17.3	8.5	4.6	2.7	1.8	12.5 ppb	8.5 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-May-07	8	3	2	2	2	3	4	4	3	4	23	30	3	40	6	32	8	19	26	6	7	13	3	2	10.6	40.2
2-May-07	2	9	A	9	15	23	29	30	26	26	16	8	6	11	11	6	13	21	30	28	29	25	22	9	17.6	30.4
3-May-07	25	A	30	28	31	18	17	15	14	15	16	8	13	29	9	9	9	6	6	6	6	9	9	4	14.4	31.0
4-May-07	A	32	13	22	14	38	24	7	18	4	11	27	4	3	9	23	34	4	36	15	35	44	36	A	20.6	44.3
5-May-07	13	5	9	40	30	29	17	25	3	11	4	4	3	2	6	4	4	21	7	14	48	6	A	28	14.4	48.4
6-May-07	19	24	17	10	18	24	21	16	13	9	7	7	3	5	7	6	6	29	4	21	29	A	56	32	16.7	56.0
7-May-07	37	28	14	14	13	26	27	26	5	26	5	3	5	5	39	5	21	27	11	32	A	14	24	23	18.7	38.8
8-May-07	8	6	5	5	4	23	9	27	6	5	4	18	15	4	22	27	36	5	43	A	45	11	41	40	17.8	44.6
9-May-07	16	12	3	4	15	29	18	10	5	6	6	6	3	4	3	3	2	4	A	10	8	7	4	6	8.1	29.4
10-May-07	3	3	3	2	5	5	4	3	2	2	2	2	8	5	6	12	5	A	30	12	25	29	10	11	8.3	29.6
11-May-07	6	6	8	12	17	17	12	26	10	9	6	6	7	3	46	3	A	13	7	6	7	17	21	13	12.1	46.3
12-May-07	39	11	7	9	10	35	30	30	3	20	21	19	33	5	5	A	10	7	11	15	13	6	9	6	15.4	38.7
13-May-07	5	4	4	5	5	6	6	4	3	5	5	6	4	3	A	10	6	6	6	7	10	5	7	4	5.4	9.9
14-May-07	6	4	5	5	8	10	11	8	5	8	8	7	9	A	11	9	11	33	10	10	12	31	31	57	13.5	57.0
15-May-07	18	25	13	25	26	28	23	21	17	6	7	6	A	12	7	6	7	4	3	5	6	14	9	8	12.8	28.4
16-May-07	6	29	8	8	11	19	37	28	4	7	25	A	11	5	14	5	29	18	13	11	38	20	17	23	16.6	38.4
17-May-07	4	4	35	6	9	29	22	19	5	6	A	12	8	5	23	41	7	12	8	18	80	64	33	44	21.5	79.8
18-May-07	43	59	20	28	10	7	13	13	9	A	11	5	6	8	4	4	2	2	3	2	3	2	2	3	11.3	59.1
19-May-07	5	4	3	3	3	3	3	2	A	18	14	11	10	18	5	17	3	22	5	11	8	34	7	7	9.4	34.1
20-May-07	3	4	3	15	41	24	17	A	10	10	5	5	13	4	4	4	4	3	7	7	13	4	37	4	10.5	41.1
21-May-07	15	17	7	5	4	4	A	11	6	5	5	5	7	4	4	4	6	5	5	5	4	5	4	3	6.1	16.9
22-May-07	4	9	14	10	5	A	12	9	6	5	7	4	6	7	7	3	4	4	5	22	13	34	26	10	9.7	34.2
23-May-07	11	10	10	13	A	18	6	5	4	C	C	C	C	C	C	C	A	5	7	11	21	13	4	9	N	21.4
24-May-07	4	14	A	8	6	6	16	22	18	7	5	6	4	3	3	2	3	2	3	3	6	18	8	23	8.2	23.2
25-May-07	25	10	A	16	11	9	13	23	6	27	5	11	34	4	5	5	5	26	5	4	11	10	16	19	13.1	33.9
26-May-07	20	11	A	16	28	32	19	16	21	3	2	25	2	6	12	2	20	6	4	14	17	35	5	22	14.7	34.7
27-May-07	2	A	44	12	27	28	21	9	4	4	20	5	14	4	3	3	5	6	10	38	12	31	10	38	15.2	44.1
28-May-07	A	10	28	12	12	20	18	9	5	8	12	8	11	14	28	12	14	4	14	8	10	13	12	A	12.8	28.2
29-May-07	12	9	7	6	6	7	10	13	5	4	5	4	4	7	5	5	4	3	3	4	5	25	A	19	7.5	25.5
30-May-07	16	12	12	12	13	14	15	12	12	5	4	12	3	3	3	4	4	4	3	2	2	A	11	5	7.9	16.1
31-May-07	4	4	6	5	8	8	7	13	3	4	3	3	3	3	2	2	3	2	2	3	A	26	40	24	7.7	40.4
Hourly Avg	13.0	13.0	12.1	11.9	13.5	18.1	16.1	15.1	8.4	9.2	9.0	9.4	8.7	7.8	10.6	9.3	9.9	10.7	10.9	11.7	18.0	19.6	17.7	17.0		
Hourly Max	43.0	59.1	44.1	40.3	41.1	37.6	37.2	30.3	25.6	27.4	24.8	30.4	33.9	40.2	46.3	41.4	36.4	33.4	42.6	38.4	79.8	64.3	56.0	57.0		

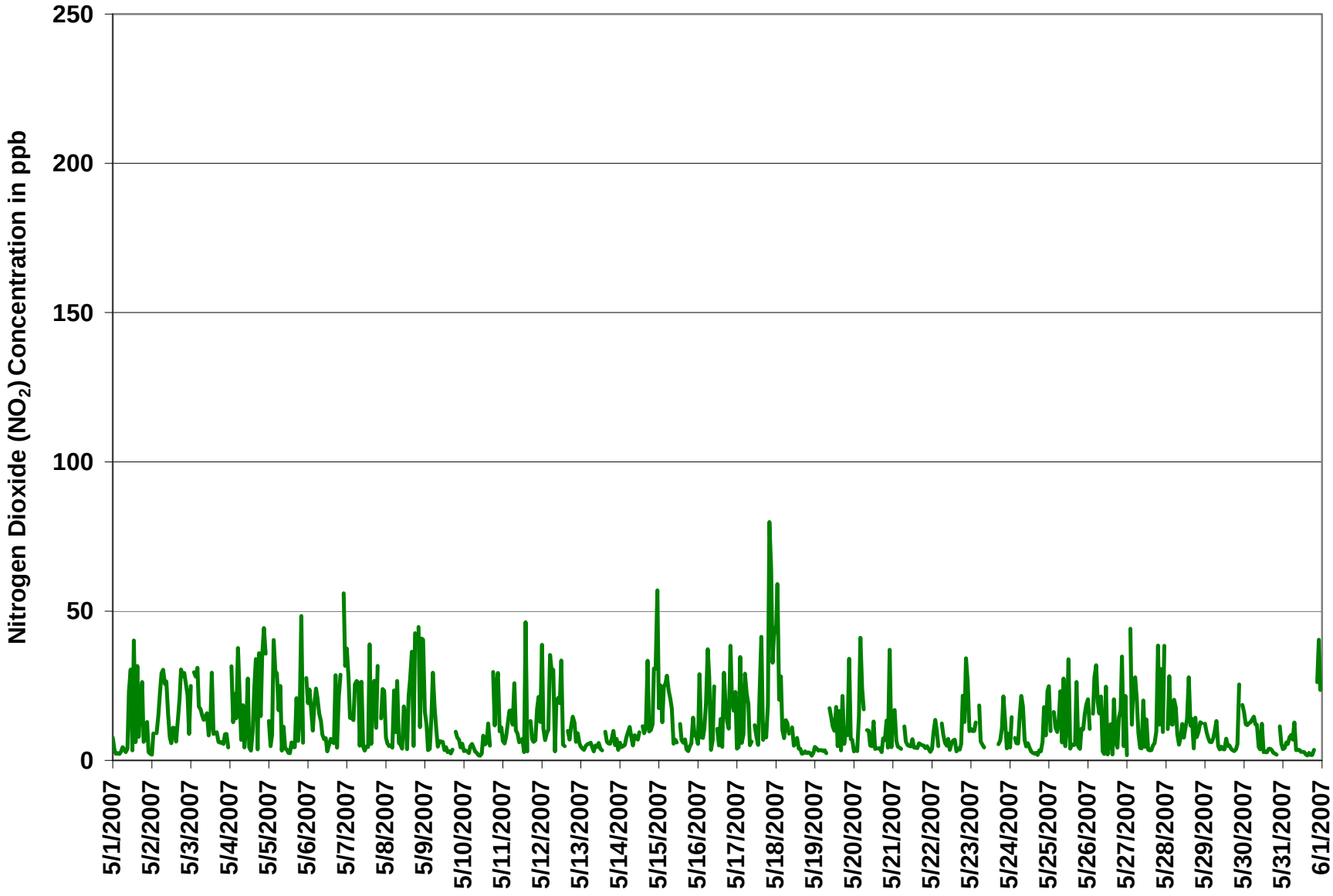
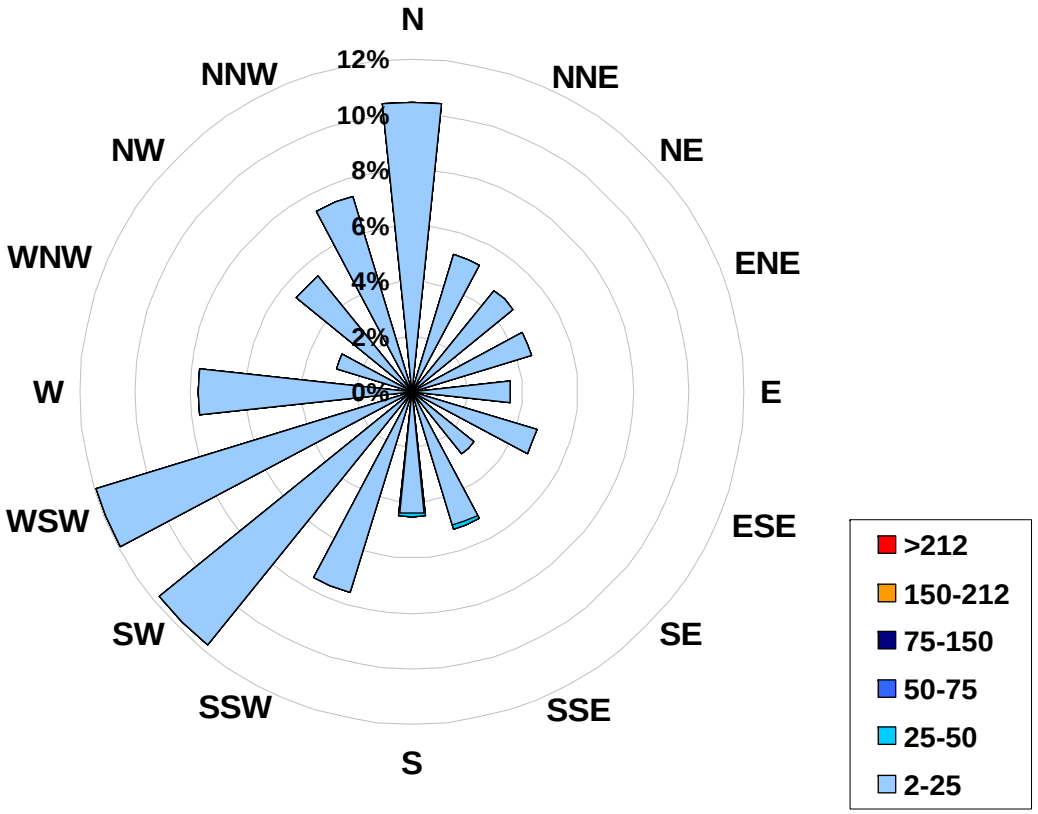


Figure 2. PAS - Crescent Heights Nitrogen Dioxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of NO_2 in ppb			
Range			Frequency (hrs)
2.0	<	25	701
25	to	50	3
50	to	75	0
75	to	150	0
150	to	212	0
	>	212	0
Total Non-Zero Values			704

PAS - Crescent Heights - Nitric Oxide Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

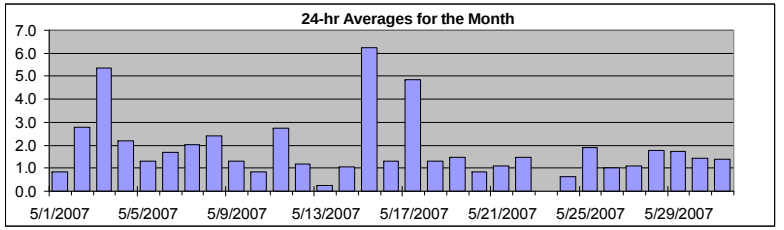
Nitric Oxide (NO)

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

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

Summary

Maximum 1-hr Average:	41.4	ppb	15-May	5:00 6:00
Maximum 24-hr Average:	6.2	ppb	15-May	



AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	19.6	5.7	1.9	1.0	0.5	0.2	0.0	1.8 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-May-07	0	0	0	0	0	0	0	1	0	1	2	1	1	3	1	4	1	1	1	1	1	0	0	0	0.9	3.6
2-May-07	0	1	A	1	1	2	4	4	8	16	4	2	2	3	3	1	2	1	3	1	1	1	1	0	2.8	15.9
3-May-07	6	A	5	14	10	7	22	14	5	5	7	4	4	7	4	3	2	1	1	1	1	1	1	1	5.4	21.6
4-May-07	A	2	1	1	1	4	6	2	3	1	2	2	1	1	2	2	2	1	5	1	2	3	3	A	2.2	5.9
5-May-07	1	1	1	3	4	2	2	3	1	1	1	1	1	0	1	1	0	1	0	0	3	0	A	1	1.3	4.4
6-May-07	1	2	1	0	0	2	7	6	5	2	1	1	1	1	1	0	0	1	0	1	1	A	4	2	1.7	7.4
7-May-07	2	3	1	1	1	5	7	4	2	3	1	1	1	1	2	1	1	1	1	4	A	1	2	2	2.0	6.6
8-May-07	1	0	0	0	0	2	4	7	1	1	1	3	2	1	1	4	4	1	4	A	3	0	2	11	2.4	11.2
9-May-07	1	0	0	1	1	5	3	3	2	2	2	2	1	1	1	1	1	1	A	1	1	1	1	1	1.3	5.1
10-May-07	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	2	1	A	2	1	2	2	1	1	0.8	2.1
11-May-07	0	0	0	1	3	8	7	21	7	3	2	2	1	1	2	0	A	1	1	1	0	1	1	1	2.7	20.6
12-May-07	4	1	1	1	1	2	3	3	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0	0	1.2	4.0
13-May-07	0	0	0	0	1	0	0	1	0	0	0	0	0	0	A	0	0	0	0	0	0	0	0	0	0.3	0.5
14-May-07	0	0	0	0	0	1	1	2	1	2	1	1	2	A	1	1	1	2	1	1	0	1	1	4	1.1	3.6
15-May-07	0	2	1	12	20	41	31	20	9	1	2	1	A	1	1	0	0	0	0	0	0	0	0	0	6.2	41.4
16-May-07	0	2	0	0	1	2	4	6	1	1	2	A	1	1	1	0	2	1	1	1	1	1	1	0	1.3	5.7
17-May-07	0	0	5	0	1	6	10	6	2	2	A	1	1	1	2	2	1	1	1	1	22	37	3	6	4.9	37.1
18-May-07	5	3	1	2	1	1	4	4	2	A	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1.3	5.0
19-May-07	0	0	0	0	0	1	2	1	A	3	5	5	3	2	1	2	1	1	1	1	1	3	1	0	1.5	5.3
20-May-07	0	0	0	0	2	3	3	A	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1	0	0.9	3.3
21-May-07	1	1	0	0	0	0	A	1	1	1	1	1	2	1	1	1	2	1	1	2	2	2	1	1	1.1	2.0
22-May-07	1	1	1	1	1	A	3	4	2	2	1	1	2	2	1	1	1	1	1	2	1	2	2	1	1.5	3.9
23-May-07	1	1	0	1	A	3	3	3	2	C	C	C	C	C	C	C	A	0	0	0	0	0	0	0	N	3.2
24-May-07	0	1	A	0	1	0	2	2	1	1	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0.6	2.5
25-May-07	1	1	A	2	2	1	6	12	1	7	1	1	3	1	1	1	0	1	0	0	0	0	0	1	1.9	12.1
26-May-07	0	0	A	1	2	2	2	1	2	1	0	1	0	1	1	0	1	1	0	1	1	4	0	1	1.0	4.2
27-May-07	0	A	2	0	1	5	2	1	1	1	1	1	1	1	1	1	1	1	0	2	1	1	0	1	1.1	4.5
28-May-07	A	1	2	1	1	2	1	1	1	2	3	2	3	3	5	2	3	1	2	1	1	2	1	A	1.8	4.9
29-May-07	1	1	1	1	1	2	3	4	2	2	3	2	2	3	2	2	1	1	1	1	1	2	A	2	1.7	3.8
30-May-07	1	1	1	1	1	3	5	6	3	1	1	2	1	1	1	1	1	0	0	1	0	A	1	1	1.4	6.2
31-May-07	0	1	1	1	1	2	2	5	1	1	1	1	1	1	0	0	1	0	1	0	A	1	9	1	1.4	9.3
Hourly Avg	0.9	0.8	1.0	1.6	2.0	3.9	5.0	4.9	2.3	2.3	1.8	1.5	1.4	1.5	1.4	1.2	1.1	0.8	1.0	0.8	1.6	2.4	1.4	1.4		
Hourly Max	5.7	3.1	5.4	13.9	19.7	41.4	30.9	20.6	8.8	15.9	7.3	5.3	3.8	6.8	4.9	4.1	3.6	1.8	4.9	4.1	22.0	37.1	9.3	11.2		

PAS - Crescent Heights - Oxides of Nitrogen Monthly Summary

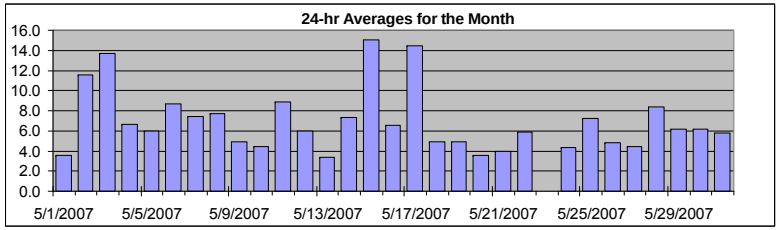
Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Oxides of Nitrogen (NO_x)

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

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



Summary

Maximum 1-hr Average:	80.0	ppb	17-May	21:00 22:00
Maximum 24-hr Average:	15.0	ppb	15-May	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	33.2	17.9	8.2	4.9	3.0	1.5	1.0	6.9 ppb	4.9 ppb

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-May-07	4	2	1	1	1	1	3	2	2	3	7	4	2	7	4	8	5	8	7	5	4	3	1	1	3.6	8.2
2-May-07	1	3	A	6	9	18	20	22	29	31	11	6	6	10	9	5	10	12	11	6	8	12	15	5	11.6	31.4
3-May-07	17	A	19	33	25	22	35	26	12	14	18	10	11	18	9	8	7	5	5	5	5	4	4	2	13.7	35.3
4-May-07	A	13	6	6	5	10	15	7	9	4	6	4	3	3	4	4	6	2	12	5	7	9	7	A	6.7	15.0
5-May-07	7	4	5	11	12	11	7	6	3	3	2	2	2	2	2	2	2	4	4	7	21	4	A	13	6.0	20.7
6-May-07	8	14	11	8	11	14	22	16	13	7	4	4	2	3	3	2	3	3	3	9	18	A	13	9	8.7	21.7
7-May-07	8	9	5	7	9	17	16	9	5	6	3	2	2	2	6	4	5	5	6	15	A	11	10	7	7.4	17.3
8-May-07	6	4	4	4	3	8	11	13	4	4	3	7	5	3	4	10	8	4	11	A	18	8	13	23	7.7	22.8
9-May-07	6	3	2	3	6	19	13	8	4	5	5	4	2	3	2	2	2	2	A	6	5	5	2	3	4.9	18.8
10-May-07	2	3	2	2	4	5	3	2	2	1	1	1	3	4	5	6	4	A	9	8	13	11	6	7	4.4	12.7
11-May-07	4	4	6	12	17	20	15	32	15	7	5	5	4	2	4	1	A	6	4	4	4	9	13	10	8.9	32.1
12-May-07	18	8	6	7	8	9	9	6	3	3	3	3	4	2	2	A	7	5	7	9	7	4	5	4	6.0	17.8
13-May-07	3	2	2	2	4	3	4	3	2	4	3	4	1	2	A	7	4	4	4	4	6	4	4	3	3.4	6.5
14-May-07	3	3	3	4	5	6	8	7	4	7	6	5	7	A	9	6	7	8	5	9	8	12	17	21	7.4	21.1
15-May-07	11	10	8	30	42	64	51	38	21	5	6	6	A	9	5	5	4	3	2	3	4	8	7	5	15.0	63.8
16-May-07	3	13	5	4	9	16	15	17	3	4	5	A	7	4	5	3	5	4	7	8	7	3	2	2	6.6	17.2
17-May-07	2	3	14	4	6	21	29	15	5	6	A	9	6	4	7	7	5	6	6	10	39	80	29	18	14.5	80.0
18-May-07	15	9	5	8	5	6	14	10	6	A	7	4	4	5	2	2	1	1	2	1	1	1	1	2	4.9	14.9
19-May-07	2	2	1	2	2	2	4	3	A	12	12	13	8	8	3	4	2	3	4	6	5	8	4	4	5.0	12.9
20-May-07	1	2	1	4	7	9	9	A	7	5	4	3	2	2	2	2	2	2	4	4	3	1	4	2	3.6	9.3
21-May-07	5	7	5	3	3	3	A	8	5	4	4	4	5	4	3	3	4	3	3	4	4	4	3	2	4.0	7.7
22-May-07	2	5	8	6	4	A	11	10	6	4	3	3	4	6	3	2	3	2	4	11	10	11	10	8	5.8	11.2
23-May-07	7	9	6	9	A	16	8	6	3	C	C	C	C	C	C	C	A	4	4	6	8	5	2	6	N	15.7
24-May-07	2	2	A	6	5	4	9	20	8	5	2	4	2	2	1	1	1	1	1	2	4	7	6	4	4.3	20.1
25-May-07	7	8	A	12	10	8	13	21	5	15	3	3	7	3	4	3	3	5	2	2	6	5	8	12	7.2	21.5
26-May-07	12	7	A	9	7	7	5	3	4	2	1	3	1	2	2	1	3	2	3	7	12	12	2	3	4.8	12.4
27-May-07	1	A	8	3	5	10	7	4	3	2	3	3	5	2	2	2	3	3	4	15	6	3	2	3	4.4	15.1
28-May-07	A	7	10	7	8	12	9	7	4	6	10	7	10	11	14	9	11	3	9	6	8	8	7	A	8.4	14.3
29-May-07	10	7	6	6	6	7	9	9	5	4	5	5	4	6	5	4	3	3	2	3	4	10	A	16	6.1	16.1
30-May-07	13	9	9	10	9	13	15	15	8	4	3	4	2	3	2	3	3	2	2	2	1	A	7	4	6.2	15.5
31-May-07	3	3	4	5	6	8	7	12	3	3	3	2	2	2	1	1	2	1	1	2	A	19	29	13	5.8	29.3
Hourly Avg	6.4	6.0	6.0	7.5	8.4	12.3	13.2	12.0	6.7	6.2	5.2	4.7	4.3	4.5	4.3	4.0	4.3	3.9	4.9	6.2	8.6	9.8	8.0	7.3		
Hourly Max	17.8	13.8	19.1	33.2	42.3	63.8	51.5	37.6	28.6	31.4	17.6	12.9	10.9	17.7	14.3	10.3	11.0	12.2	12.0	15.4	38.7	80.0	29.4	22.8		

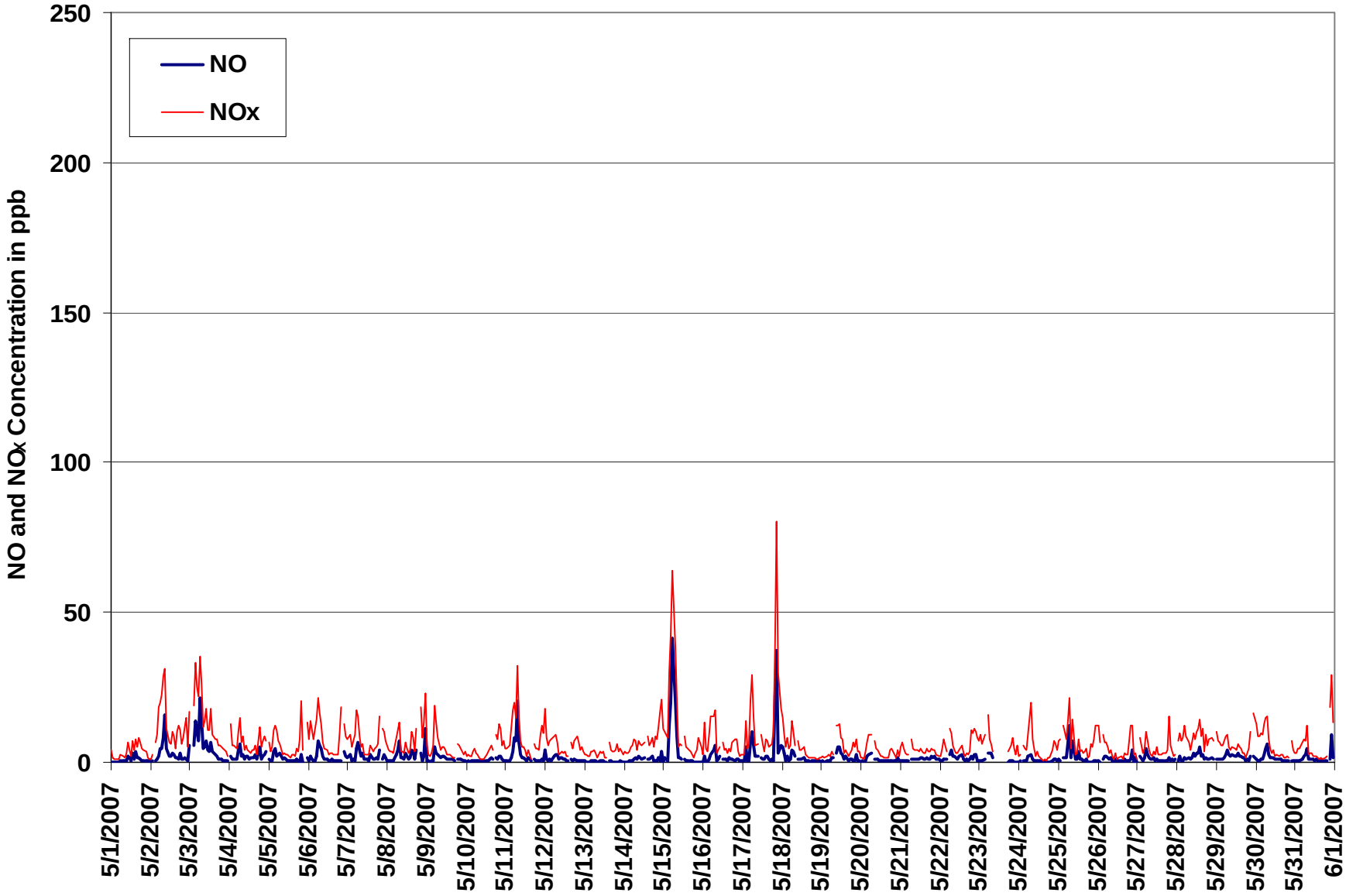


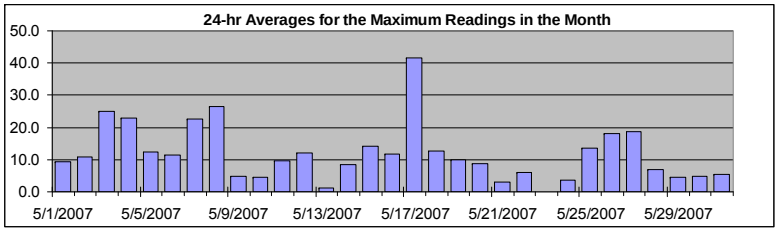
Figure 3. PAS - Crescent Heights Oxides of Nitrogen 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Nitric Oxide (NO)

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



Summary

Maximum 1-hr Value:	433.9	ppb	17-May	20:00 21:00
Maximum 24-hr Value:	41.7	ppb	17-May	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	92.6	59.6	9.3	2.6	1.6	1.0	0.7	12.0 ppb	2.6 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**

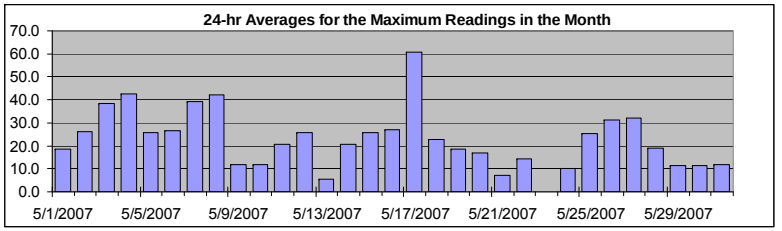
Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-May-07	1	1	1	1	1	1	1	1	2	2	22	24	1	63	2	64	2	14	15	2	1	1	1	1	9.4	64.0
2-May-07	1	2	A	1	2	4	21	20	15	59	10	3	3	5	5	2	3	3	64	7	7	5	3	1	10.8	63.7
3-May-07	30	A	71	88	183	20	42	24	10	8	11	5	7	49	6	4	5	3	2	2	2	2	3	1	25.1	183.1
4-May-07	A	15	4	13	5	63	26	4	20	2	5	43	2	2	9	20	37	3	44	4	49	62	73	A	22.9	72.7
5-May-07	19	2	1	36	61	15	29	46	3	16	2	2	1	1	3	2	3	17	1	1	18	1	A	5	12.4	61.3
6-May-07	2	5	3	1	1	16	20	10	8	4	4	2	1	2	4	2	2	14	1	1	2	A	116	37	11.4	116.4
7-May-07	40	33	1	2	1	32	87	39	3	72	3	2	2	2	53	2	13	17	3	35	A	3	39	37	22.7	87.4
8-May-07	1	1	1	1	1	37	6	65	3	3	3	26	12	2	27	25	82	2	55	A	49	2	75	128	26.5	127.9
9-May-07	6	18	1	1	3	22	6	6	3	5	7	4	2	4	2	2	3	3	A	3	3	3	2	1	4.8	22.4
10-May-07	1	1	1	1	1	1	1	2	1	1	1	1	3	2	3	9	2	A	21	3	27	17	3	3	4.6	26.9
11-May-07	1	1	1	3	8	14	15	79	9	5	3	3	3	1	60	2	A	3	2	1	1	2	4	3	9.7	78.6
12-May-07	52	2	2	2	1	38	28	51	2	24	18	18	14	2	2	A	3	2	2	3	2	3	2	3	11.9	51.9
13-May-07	2	2	2	1	2	2	2	1	1	1	1	1	1	1	A	1	1	1	1	1	1	1	1	1	1.2	2.4
14-May-07	1	1	1	1	1	2	4	3	2	3	3	3	14	A	2	3	4	40	8	2	1	14	2	78	8.3	77.6
15-May-07	2	21	3	41	43	101	39	29	17	3	3	2	A	3	2	2	3	1	1	1	1	1	1	2	14.0	101.5
16-May-07	2	16	1	1	2	7	45	20	2	2	20	A	2	2	8	2	35	25	3	1	29	19	19	9	11.8	45.0
17-May-07	3	2	48	1	2	48	21	19	3	4	A	2	3	3	26	30	2	2	2	1	434	219	6	78	41.7	433.9
18-May-07	81	109	7	29	12	2	7	6	11	A	3	2	3	4	2	3	1	1	1	1	1	1	1	2	12.6	109.0
19-May-07	2	2	1	2	1	2	3	2	A	24	15	9	7	15	2	56	2	9	2	1	1	70	2	2	10.0	70.4
20-May-07	2	2	2	4	71	26	22	A	3	4	2	2	10	2	3	3	2	1	2	2	3	3	30	2	8.8	71.5
21-May-07	2	2	2	2	1	1	A	2	2	3	2	3	9	4	3	4	4	3	4	4	3	3	3	2	2.9	9.2
22-May-07	2	2	2	2	3	A	5	7	4	4	7	3	4	6	6	3	3	2	3	14	3	31	23	2	6.1	31.2
23-May-07	2	2	1	2	A	16	5	5	3	C	C	C	C	C	C	C	A	1	2	2	8	1	1	1	N	15.5
24-May-07	2	17	A	1	2	1	5	4	3	1	2	3	2	2	2	1	2	2	1	1	2	13	3	11	3.7	16.9
25-May-07	15	2	A	4	4	3	17	93	3	62	2	6	71	2	2	2	2	13	1	2	1	1	3	3	13.6	92.7
26-May-07	1	1	A	4	52	66	22	28	40	1	1	46	1	4	8	1	20	3	1	2	2	62	1	51	18.2	65.5
27-May-07	1	A	67	6	41	71	28	20	3	3	47	1	6	2	1	1	2	1	1	27	1	28	21	48	18.6	71.2
28-May-07	A	1	35	1	1	5	3	2	2	3	7	4	5	7	53	4	5	1	4	2	2	5	2	A	7.1	53.5
29-May-07	2	2	2	2	2	3	7	9	4	3	5	3	4	9	4	3	3	3	2	2	1	19	A	10	4.5	19.2
30-May-07	3	2	1	2	2	5	18	11	16	2	4	20	3	2	2	2	2	2	1	1	2	A	2	2	4.7	20.1
31-May-07	2	2	2	2	3	4	4	9	3	3	2	2	2	2	1	1	2	2	1	2	A	2	72	4	5.5	72.1
Hourly Avg	9.7	9.2	9.8	8.4	17.2	21.0	18.0	20.5	6.6	11.3	7.3	8.4	6.9	7.1	10.5	8.9	8.6	6.4	8.3	4.3	22.7	20.5	17.7	18.1		
Hourly Max	80.7	109.0	71.4	87.7	183.1	101.5	87.4	92.7	39.5	71.7	46.6	45.8	70.9	63.5	59.7	64.0	82.4	39.9	63.7	34.7	433.9	218.9	116.4	127.9		

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Oxides of Nitrogen (NO_x)

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



Summary

Maximum 1-hr Value:	495.8	ppb	17-May	20:00 21:00
Maximum 24-hr Value:	60.7	ppb	17-May	

AIC Time:	33 hrs	Operational Time:	704 hrs
Calibration Time:	7 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	128.0	88.8	26.2	10.2	5.5	2.8	1.9	23.1 ppb	10.2 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-May-07	7	3	2	2	2	3	4	4	3	4	44	53	4	104	8	90	10	31	40	6	7	14	3	2	18.7	103.6
2-May-07	2	11	A	10	15	27	44	50	36	80	23	10	8	16	16	8	16	21	82	34	35	27	23	9	26.2	82.2
3-May-07	54	A	99	115	214	38	56	36	23	22	25	13	18	78	14	13	13	7	7	7	6	11	11	5	38.4	213.9
4-May-07	A	47	16	35	18	100	46	9	38	5	16	65	6	5	18	44	71	5	76	19	83	106	107	A	42.5	107.1
5-May-07	31	7	9	75	87	43	45	71	5	25	6	4	3	3	8	5	4	38	7	14	64	6	A	31	25.7	86.6
6-May-07	20	27	20	10	19	40	37	24	21	12	10	9	4	6	10	7	6	42	4	22	30	A	162	69	26.6	162.3
7-May-07	78	61	15	14	14	57	108	61	7	97	6	4	6	5	89	6	32	43	12	63	A	16	55	55	39.3	107.9
8-May-07	7	6	5	5	4	61	15	86	8	8	6	44	26	4	46	45	119	6	91	A	94	11	109	163	42.2	163.5
9-May-07	23	26	4	4	17	51	24	16	6	10	13	10	4	8	5	4	4	4	A	11	8	7	5	6	11.7	51.2
10-May-07	3	4	3	2	5	6	4	4	3	2	2	2	10	6	8	20	7	A	50	13	47	43	12	13	11.6	49.5
11-May-07	6	6	8	14	24	30	26	101	19	13	8	9	9	3	106	3	A	13	7	6	7	18	23	13	20.6	106.4
12-May-07	90	11	7	11	10	71	57	81	4	39	38	36	41	7	5	A	10	8	13	15	14	6	9	6	25.6	89.5
13-May-07	5	4	3	4	6	6	6	5	3	5	5	6	4	3	A	10	7	6	6	7	10	5	7	4	5.5	10.1
14-May-07	5	4	5	6	8	11	15	10	7	11	10	9	21	A	13	10	14	70	13	11	13	45	32	131	20.6	130.8
15-May-07	17	46	16	65	68	128	61	48	34	7	9	8	A	14	8	7	8	4	3	4	5	15	9	8	25.7	128.2
16-May-07	5	41	7	8	12	26	78	47	4	8	41	A	11	6	21	4	64	40	15	12	67	40	34	31	27.1	77.5
17-May-07	4	5	83	6	10	74	43	36	7	9	A	13	9	6	47	70	9	12	9	19	496	279	36	117	60.7	495.8
18-May-07	120	168	28	57	18	9	20	18	18	A	13	6	7	10	4	4	2	2	3	3	3	2	2	3	22.7	168.2
19-May-07	5	4	3	3	4	3	5	4	A	41	29	19	16	33	5	72	4	30	6	11	9	103	8	6	18.4	102.8
20-May-07	3	4	3	16	95	50	35	A	11	13	6	6	22	4	3	4	4	3	7	7	14	5	68	4	16.8	94.6
21-May-07	16	17	6	5	5	4	A	12	7	5	6	5	16	6	5	6	8	6	6	7	6	6	5	3	7.3	17.0
22-May-07	4	10	14	11	5	A	14	15	10	7	14	5	9	11	9	4	6	4	6	35	13	65	46	10	14.4	65.5
23-May-07	11	12	10	14	A	29	11	10	5	C	C	C	C	C	C	C	A	5	7	12	29	13	3	9	N	28.9
24-May-07	5	28	A	8	7	7	20	24	20	7	4	6	4	4	2	3	3	2	3	3	7	28	10	33	10.3	33.1
25-May-07	41	11	A	19	15	10	29	112	8	87	6	16	100	5	7	6	6	39	4	4	11	11	17	21	25.4	111.8
26-May-07	21	11	A	18	71	97	40	44	59	4	2	69	2	10	20	2	36	8	5	16	18	91	5	72	31.2	96.6
27-May-07	2	A	111	18	68	91	49	27	4	5	65	5	19	4	4	4	6	6	9	59	12	59	29	86	32.2	111.1
28-May-07	A	11	63	13	12	24	20	11	6	10	18	10	15	20	81	15	19	4	18	9	10	17	13	A	19.1	81.0
29-May-07	13	10	8	7	7	9	16	22	7	6	8	6	7	16	8	8	6	6	4	5	6	44	A	28	11.2	44.0
30-May-07	17	12	12	14	14	19	31	22	25	6	7	32	4	5	4	5	5	4	3	3	2	A	12	5	11.5	31.9
31-May-07	4	4	7	6	10	12	11	20	4	5	4	3	4	4	3	2	3	2	2	4	A	28	109	25	12.0	108.9
Hourly Avg	21.3	21.0	21.1	19.2	28.7	37.8	32.3	34.4	13.7	19.1	15.4	16.6	14.1	13.9	19.8	16.6	17.2	15.7	17.2	14.7	38.8	38.7	33.2	33.4		
Hourly Max	120.0	168.2	111.1	114.7	213.9	128.2	107.9	111.8	58.8	96.8	65.3	69.0	99.6	103.6	106.4	90.4	119.1	69.9	90.8	62.6	495.8	279.4	162.3	163.5		

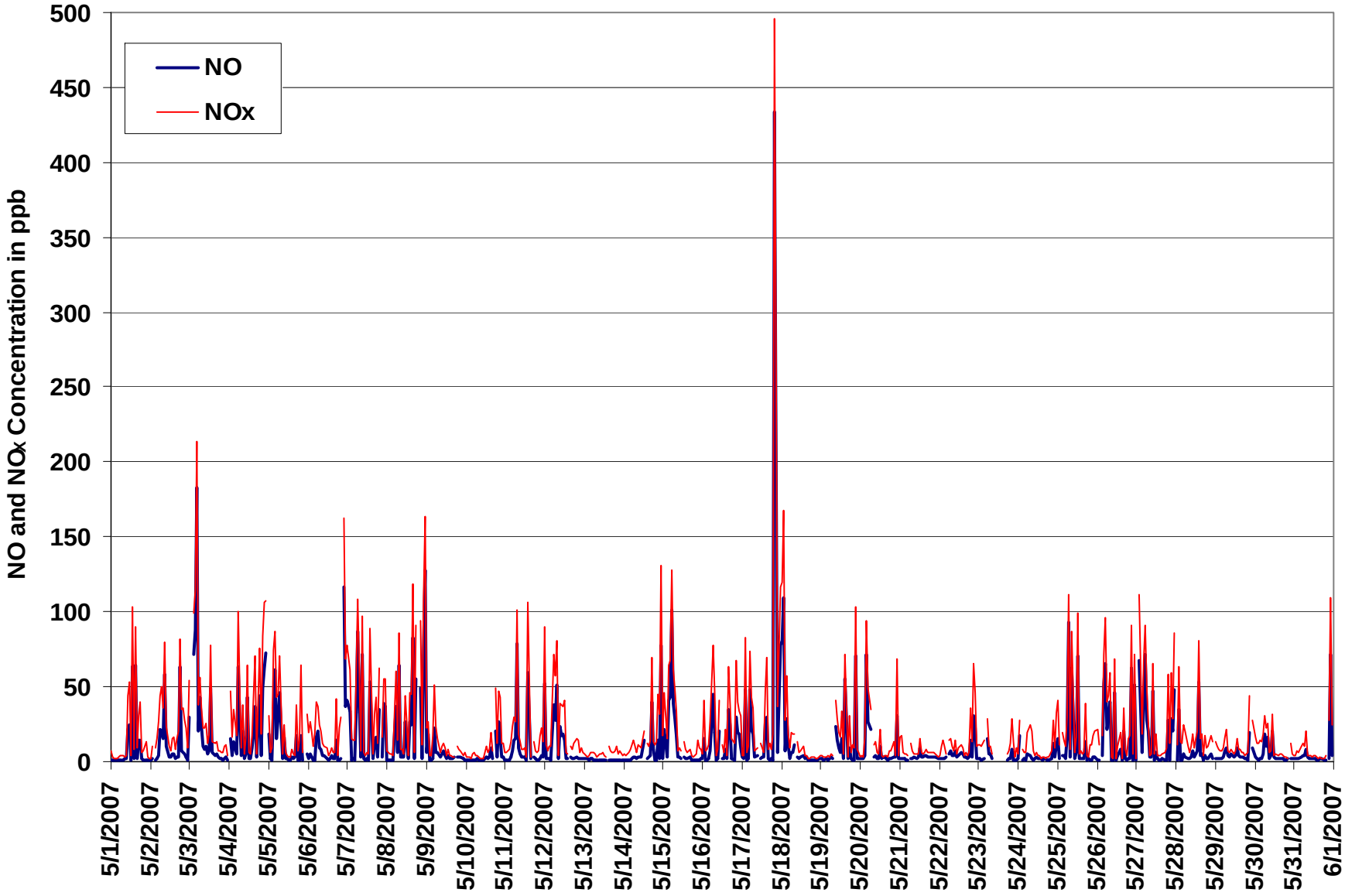


Figure 4. PAS - Crescent Heights Oxides of Nitrogen Instantaneous (30 Second) Maximum Value Monthly Trend

PAS - Crescent Heights - Ozone Monthly Summary

HOURLY AVERAGE TABLE

Ozone (O_3)

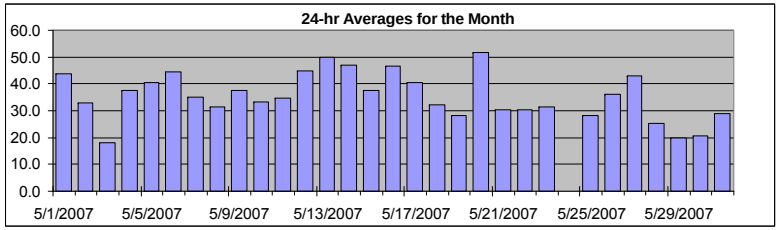
Station: Crescent Heights
Station Owner: PAS

Monitoring Dates: May 1, 2007 to June 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:	68.9	ppb	6-May	15:00 16:00
Maximum 24-hr Average:	51.6	ppb	20-May	



AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	65.5	59.0	45.3	34.7	24.7	13.4	6.5	35.3 ppb	34.7 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-May-07	38	42	41	39	38	39	39	42	43	44	43	46	51	47	49	47	48	43	44	44	45	44	47	47	43.8	50.8
2-May-07	46	44	A	36	24	15	20	16	9	17	28	35	38	40	45	50	44	43	41	41	41	30	23	29	32.9	50.2
3-May-07	15	A	10	4	7	6	6	10	22	16	12	15	13	10	15	21	26	27	27	28	30	31	34	35	18.2	34.8
4-May-07	A	32	36	33	32	27	25	29	30	36	37	42	44	47	48	49	46	47	39	41	38	33	34	A	37.5	48.5
5-May-07	35	34	30	25	24	24	27	34	39	40	44	48	50	52	54	54	57	56	55	48	31	35	A	33	40.4	56.9
6-May-07	37	28	26	29	24	23	19	26	33	46	55	57	63	66	66	69	67	63	62	52	37	A	42	36	44.6	68.9
7-May-07	29	29	34	27	22	17	21	28	31	36	47	51	52	54	52	52	47	43	39	29	A	24	19	20	34.9	54.2
8-May-07	19	20	20	22	24	21	19	24	32	34	37	38	41	45	47	43	44	46	41	A	28	30	23	23	31.3	46.9
9-May-07	28	31	31	31	28	22	27	34	39	40	42	49	52	51	51	52	51	50	A	40	32	29	30	27	37.8	52.1
10-May-07	26	25	25	24	22	22	24	27	30	34	34	39	42	45	47	46	48	A	47	41	32	30	30	22	33.1	48.0
11-May-07	24	22	18	8	4	5	12	14	22	35	42	44	47	56	59	65	A	66	64	58	56	36	23	23	34.8	66.3
12-May-07	21	25	28	27	26	34	34	37	45	48	51	53	57	59	61	A	63	60	53	48	50	55	50	50	45.0	63.4
13-May-07	49	50	53	55	45	45	42	43	49	49	50	48	58	59	A	52	55	53	51	50	50	48	44	44	49.7	59.0
14-May-07	44	45	42	41	39	44	40	44	52	52	55	56	57	A	58	58	56	55	55	45	45	43	33	25	47.1	58.1
15-May-07	26	24	21	7	2	3	6	12	27	44	49	53	A	61	63	63	65	65	62	58	52	37	33	34	37.6	64.9
16-May-07	39	28	35	36	28	27	38	37	57	57	59	A	61	59	57	58	57	58	54	47	42	46	49	45	46.8	61.4
17-May-07	40	37	29	30	28	18	14	26	34	39	A	59	61	65	63	66	68	66	60	50	42	7	11	24	40.7	67.9
18-May-07	28	33	32	32	33	30	26	29	32	A	37	37	38	37	37	38	40	42	36	31	27	23	22	21	32.2	41.6
19-May-07	20	19	18	18	16	16	17	19	A	21	21	22	28	30	33	36	40	40	39	35	34	35	42	46	28.1	46.0
20-May-07	50	49	49	45	38	31	28	A	46	49	51	54	59	60	62	62	61	60	56	52	58	59	57	53	51.6	61.8
21-May-07	41	33	30	22	21	19	A	20	21	21	21	21	22	30	37	36	34	39	39	37	38	38	40	40	30.4	40.8
22-May-07	35	26	23	26	26	A	24	24	26	28	32	35	35	35	38	38	38	41	36	29	26	27	27	23	30.3	40.8
23-May-07	22	19	20	18	A	15	19	25	30	31	33	37	38	41	42	43	45	44	42	34	32	35	33	25	31.4	44.7
24-May-07	34	34	A	31	28	25	21	24	36	C	C	C	C	C	A	40	40	38	36	35	31	27	31	33	N	40.2
25-May-07	27	21	A	17	16	14	10	9	21	24	36	39	37	36	36	40	40	36	39	36	30	33	28	21	28.1	40.1
26-May-07	14	17	A	26	29	28	30	33	35	39	40	40	43	45	46	49	47	46	45	38	30	30	40	37	36.0	48.8
27-May-07	38	A	33	32	29	25	25	32	36	40	42	46	47	56	56	59	58	58	54	40	43	49	48	51	43.2	58.5
28-May-07	A	36	28	23	28	20	28	34	36	29	22	23	19	21	18	25	25	29	23	27	22	19	21	A	25.2	36.1
29-May-07	19	18	17	14	13	11	10	14	19	19	19	20	22	21	23	23	26	28	30	31	26	20	A	14	19.9	31.0
30-May-07	13	15	13	12	14	11	8	7	14	20	23	21	23	23	25	28	30	31	30	29	29	A	26	24	20.5	31.5
31-May-07	24	22	17	14	12	13	14	15	27	29	30	34	40	42	45	45	48	50	48	45	A	21	13	13	28.8	49.9
Hourly Avg	30.3	29.6	28.1	25.9	24.0	21.7	22.5	25.5	32.5	35.0	37.8	40.0	42.6	44.6	45.9	46.9	47.2	47.4	44.8	40.6	37.1	33.7	32.8	31.6		
Hourly Max	49.9	50.1	53.4	55.3	45.1	45.2	42.5	43.7	56.9	56.7	59.3	58.6	62.5	66.1	65.8	68.9	67.9	66.3	64.1	58.0	57.9	58.7	56.6	53.1		

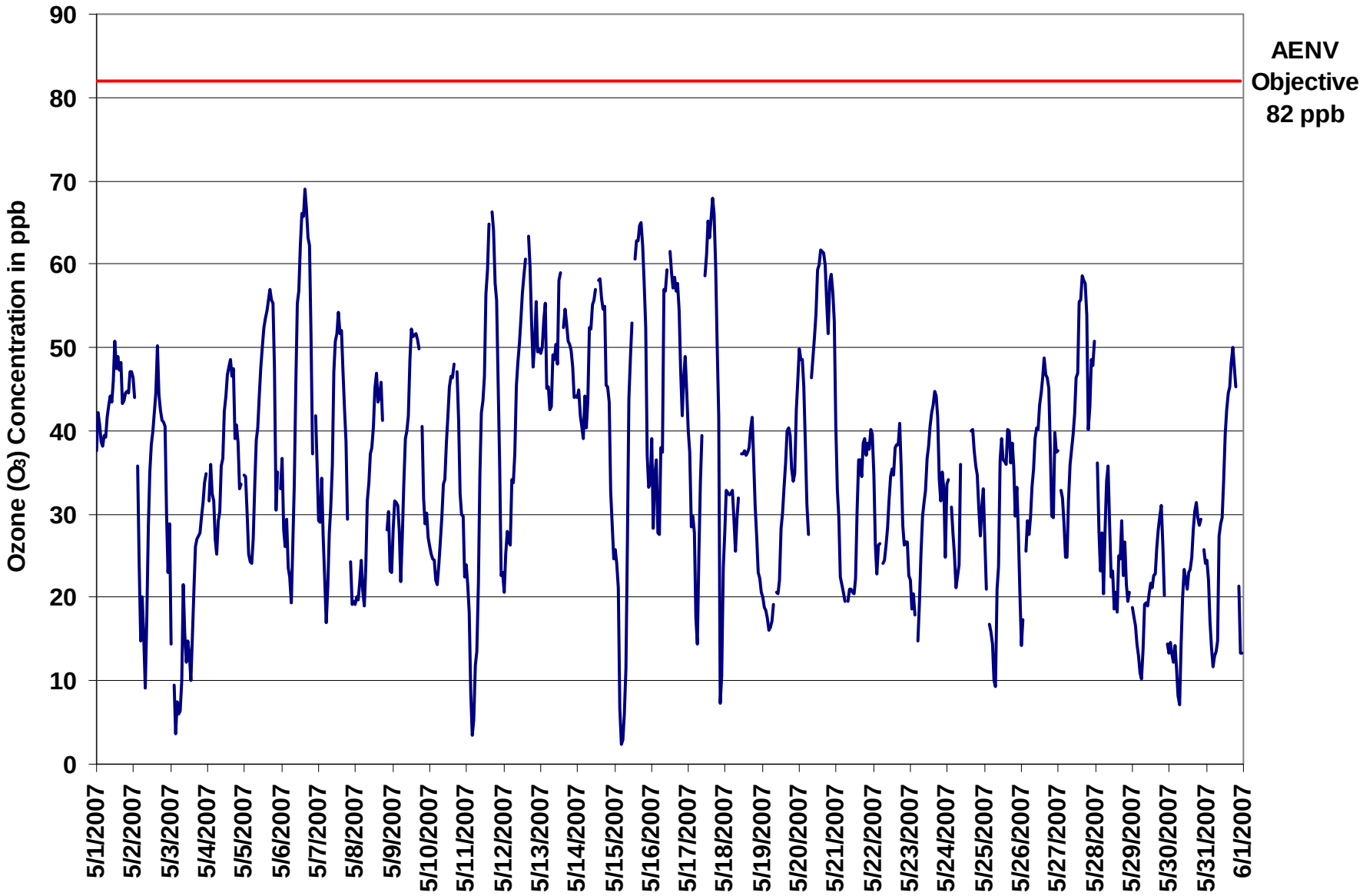


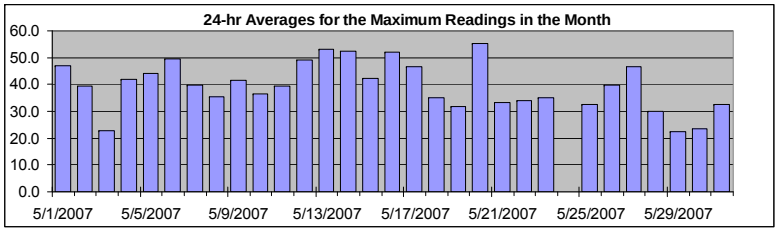
Figure 5. PAS - Crescent Heights Ozone 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Ozone (O_3)

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



Summary

Maximum 1-hr Value:	71.6	ppb	17-May	16:00 17:00
Maximum 24-hr Value:	55.4	ppb	20-May	

AIC Time:	33 hrs	Operational Time:	706 hrs
Calibration Time:	5 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	68.4	62.7	49.8	38.8	29.2	17.7	11.3	39.4 ppb	38.8 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-May-07	41	44	43	41	40	41	42	45	45	46	47	50	54	52	52	52	51	51	48	48	47	49	49	48	46.9	53.5
2-May-07	48	47	A	44	30	25	33	24	19	21	33	39	42	43	51	53	49	49	52	47	46	43	29	34	39.3	53.2
3-May-07	25	A	15	12	13	11	11	14	25	32	17	17	16	14	18	24	30	29	29	29	32	34	38	38	22.7	37.6
4-May-07	A	39	41	36	35	33	31	33	36	38	43	45	47	50	50	51	50	51	46	46	45	37	36	A	41.8	51.3
5-May-07	37	36	35	30	29	30	32	38	41	45	48	50	52	54	56	56	60	60	59	54	41	37	A	40	44.3	59.7
6-May-07	41	37	32	34	29	29	23	30	40	56	58	60	66	69	69	71	69	67	65	60	47	A	48	40	49.5	71.4
7-May-07	35	35	39	37	26	22	28	31	34	45	51	53	54	57	55	55	52	47	43	38	A	27	26	22	39.6	56.5
8-May-07	21	22	21	26	26	24	24	30	34	36	40	41	45	48	50	50	48	49	49	A	36	33	28	32	35.4	50.0
9-May-07	32	35	35	35	33	32	34	38	43	44	47	53	54	54	54	53	53	53	A	45	35	32	32	31	41.6	54.4
10-May-07	28	28	26	26	24	24	26	28	33	35	36	42	47	49	49	50	51	A	52	46	39	34	36	28	36.5	51.7
11-May-07	27	25	23	12	9	11	17	19	30	42	45	46	51	60	63	67	A	68	68	61	58	51	29	25	39.5	68.4
12-May-07	27	28	30	30	29	39	38	46	47	51	53	57	60	62	64	A	66	67	57	55	59	59	53	52	49.2	67.5
13-May-07	51	52	56	58	49	48	46	47	51	52	53	52	63	65	A	55	58	56	53	55	55	53	48	47	53.2	65.0
14-May-07	47	47	47	43	45	48	46	50	57	58	59	59	62	A	61	65	59	59	60	52	51	50	48	30	52.4	64.8
15-May-07	30	28	26	20	6	5	9	16	39	47	54	59	A	64	66	65	67	67	65	62	55	49	34	38	42.2	67.2
16-May-07	43	38	41	40	36	42	44	57	59	59	63	A	64	62	59	60	59	61	60	53	45	51	51	47	52.0	64.3
17-May-07	43	40	37	31	31	28	21	33	39	44	A	63	64	68	68	70	72	71	63	58	53	25	17	32	46.6	71.6
18-May-07	34	36	37	37	37	32	31	33	34	A	39	39	39	40	40	40	42	44	40	34	30	25	24	22	35.2	44.2
19-May-07	22	20	20	19	18	18	19	21	A	27	26	27	33	34	36	41	42	43	42	40	39	39	51	52	31.6	52.0
20-May-07	52	51	50	50	45	37	33	A	49	52	55	59	62	62	64	64	63	62	60	61	61	61	61	61	55.4	63.9
21-May-07	46	39	34	25	22	21	A	21	23	23	23	22	28	35	39	39	39	42	43	40	41	40	42	42	33.4	46.2
22-May-07	38	31	27	30	28	A	26	27	28	32	34	41	39	37	41	40	44	44	38	36	30	31	31	27	34.0	44.5
23-May-07	26	21	24	22	A	18	22	29	31	33	38	40	41	44	46	45	47	47	45	41	36	38	36	32	34.9	47.1
24-May-07	37	36	A	35	31	28	28	31	41	C	C	C	C	C	A	43	42	40	38	38	35	32	35	37	N	42.6
25-May-07	31	27	A	19	18	16	15	17	25	33	42	42	43	39	39	45	44	42	43	38	34	37	34	26	32.6	44.6
26-May-07	24	26	A	31	32	30	33	35	38	41	43	43	46	48	50	50	49	49	48	43	35	35	43	40	39.7	50.5
27-May-07	39	A	35	34	31	30	28	36	39	42	45	50	51	58	58	61	61	60	60	52	51	51	51	55	46.8	61.4
28-May-07	A	42	30	28	32	27	34	36	39	33	25	26	24	26	25	32	33	32	33	32	25	23	25	A	30.1	42.3
29-May-07	22	19	18	15	15	12	12	18	22	21	20	22	23	23	26	26	27	31	32	34	30	25	A	19	22.3	33.7
30-May-07	18	18	16	15	19	15	10	11	20	22	25	24	25	25	27	33	34	33	32	30	31	A	27	25	23.3	33.9
31-May-07	26	24	21	16	15	16	15	27	30	31	33	37	43	44	47	48	51	52	50	49	A	31	22	19	32.4	51.8
Hourly Avg	34.2	33.5	31.8	30.0	27.8	26.3	27.1	30.8	36.4	39.4	41.2	43.4	46.2	47.8	48.9	50.2	50.5	50.8	49.1	45.9	42.2	39.0	37.5	35.9		
Hourly Max	52.0	52.4	55.6	58.4	48.6	48.0	46.1	56.8	59.0	59.2	62.7	62.9	65.9	69.1	68.5	71.4	71.6	71.1	68.0	61.8	61.3	60.9	61.1	60.9		

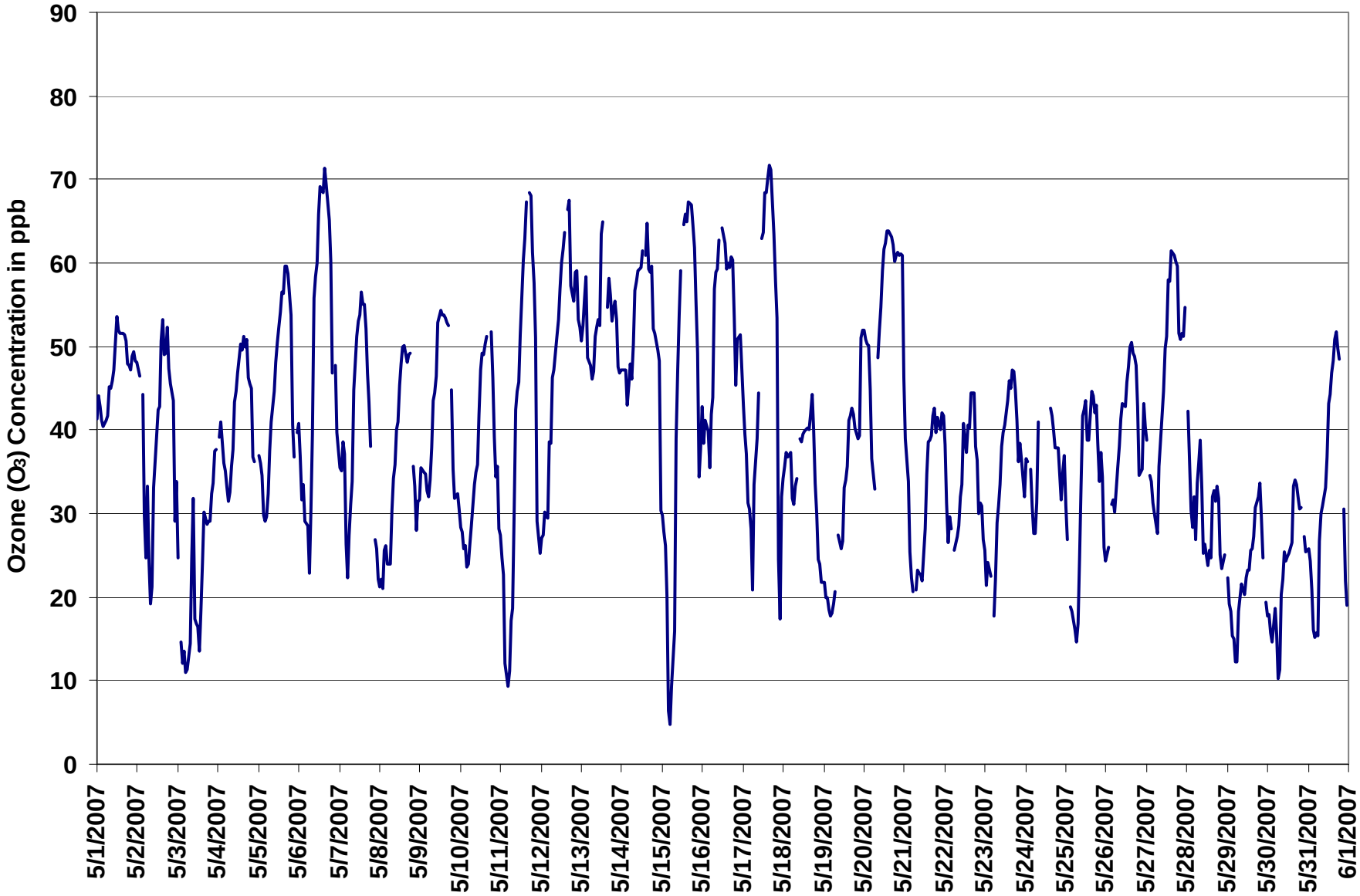
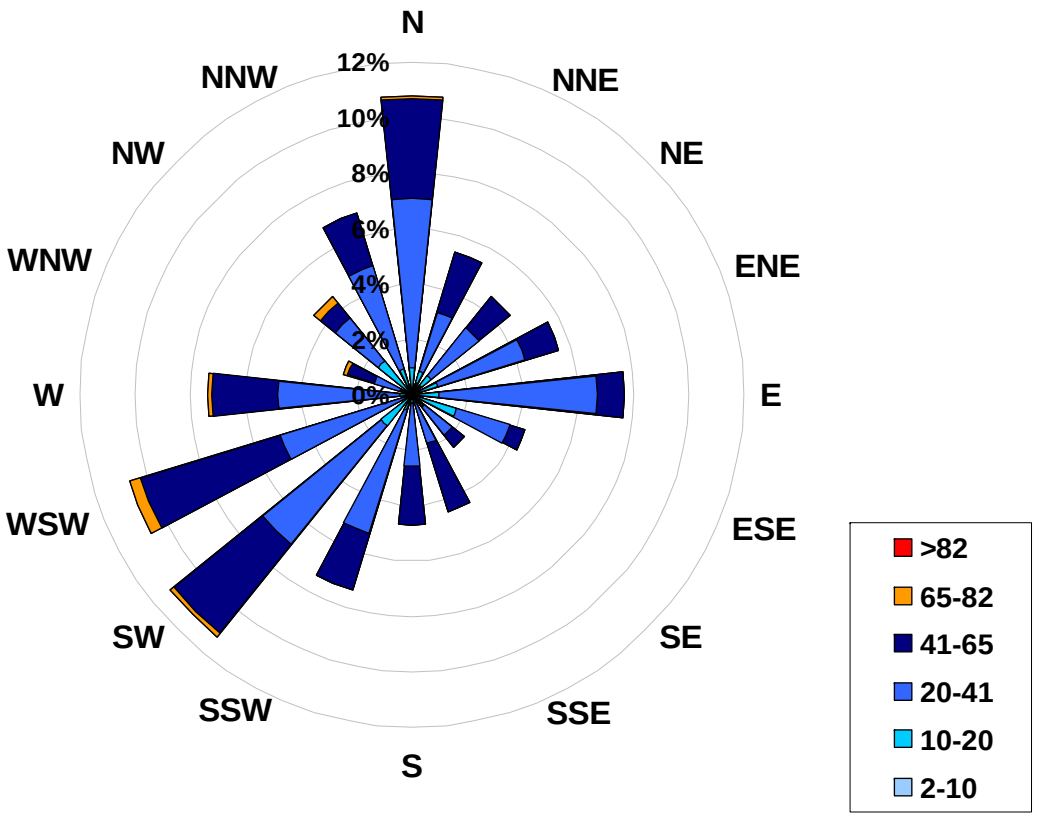


Figure 6. PAS - Crescent Heights Ozone Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of O_3 in ppb			
Range			Frequency (hrs)
2.0	<	10	18
10	to	20	74
20	to	41	373
41	to	65	232
65	to	82	9
	>	82	0
Total Non-Zero Values			706

PAS - Crescent Heights - Ozone Monthly Summary

Station: Crescent Heights
Station Owner: PAS

EIGHT HOUR RUNNING AVERAGE TABLE

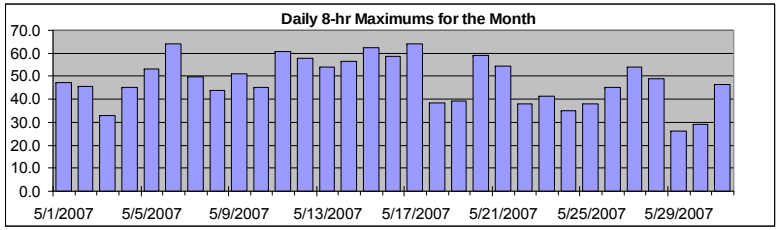
Ozone (O_3)

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

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

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	64.0	ppb	6-May	18:00 19:00



Percentile	99	95	75	50	25	5	1
	61.4	56.6	44.3	34.4	26.5	16.1	12.1

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / 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-May-07	42	42	42	41	41	40	40	40	40	41	41	42	43	44	46	46	47	47	47	47	46	46	45	45	47.0
2-May-07	45	45	45	44	41	37	33	29	23	20	21	21	22	25	29	33	37	40	42	43	43	42	39	36	45.4
3-May-07	33	31	27	21	17	13	11	8	9	10	10	12	13	13	14	15	16	17	19	21	23	26	28	30	32.7
4-May-07	30	31	32	33	33	32	31	30	30	31	31	32	34	36	39	42	44	45	45	45	44	43	41	40	45.3
5-May-07	38	36	35	33	31	29	29	29	30	30	32	35	38	42	45	48	50	52	53	53	51	49	48	45	53.3
6-May-07	42	38	34	31	30	29	27	27	26	28	32	35	40	46	51	57	61	63	64	63	60	59	56	51	64.0
7-May-07	46	41	37	34	31	30	27	26	26	27	29	32	35	40	44	47	49	50	49	46	45	41	36	32	49.7
8-May-07	28	24	22	20	21	21	21	21	23	24	27	29	31	34	37	40	41	43	43	44	42	40	37	34	43.8
9-May-07	31	29	28	28	28	27	28	29	31	32	33	35	38	42	45	47	48	50	51	50	47	44	41	37	50.8
10-May-07	34	30	29	27	26	25	24	24	25	26	27	29	31	34	37	40	42	43	45	45	44	42	39	36	45.2
11-May-07	32	31	27	23	20	17	14	13	13	15	18	22	27	34	40	46	50	54	57	59	61	58	52	46	60.6
12-May-07	43	38	34	30	26	26	27	29	32	35	38	41	45	48	51	53	56	58	58	57	56	56	54	54	57.9
13-May-07	52	51	51	52	51	50	49	48	48	48	47	46	48	50	51	52	53	54	54	54	53	51	50	49	54.0
14-May-07	48	47	46	45	43	43	42	42	43	44	46	48	50	51	53	55	56	56	56	55	53	52	49	45	56.3
15-May-07	41	37	33	28	23	18	14	13	13	15	19	24	28	36	44	51	57	60	62	62	61	58	54	51	62.3
16-May-07	48	43	40	37	34	33	33	34	36	39	43	43	48	53	55	58	58	59	58	57	54	52	51	50	58.6
17-May-07	48	45	42	40	38	34	30	28	27	27	27	31	36	43	50	55	60	64	63	62	60	53	46	41	63.9
18-May-07	36	32	28	26	25	28	30	30	31	31	31	32	33	34	35	37	38	38	38	37	36	34	32	30	38.3
19-May-07	28	25	23	21	20	19	18	18	18	18	18	19	21	23	25	27	29	31	34	35	36	37	38	39	39.1
20-May-07	40	41	42	44	44	44	42	41	41	41	41	43	46	50	55	55	57	59	59	59	59	59	58	57	59.2
21-May-07	54	51	48	44	39	34	31	26	24	22	21	20	21	22	24	26	28	30	32	34	36	37	38	38	54.3
22-May-07	38	37	35	33	32	31	29	26	25	26	27	28	29	30	32	33	35	36	37	36	35	34	33	31	38.1
23-May-07	29	26	24	23	22	20	19	20	21	23	24	27	29	32	35	37	39	40	41	41	40	40	38	36	41.4
24-May-07	35	33	32	32	31	30	28	28	28	N	N	N	N	N	N	N	N	N	N	N	N	35	35	34	35.2
25-May-07	32	30	29	27	25	23	20	16	16	16	18	21	24	27	30	34	36	38	38	37	37	36	35	33	37.8
26-May-07	30	27	26	24	24	23	24	25	28	31	33	34	36	38	40	42	44	45	45	45	43	41	41	39	45.1
27-May-07	38	37	35	34	34	33	31	30	30	31	32	34	37	40	44	48	50	53	54	53	53	52	51	50	54.1
28-May-07	49	46	42	40	37	33	31	28	29	28	28	28	26	26	25	24	23	23	23	23	24	23	24	24	48.8
29-May-07	23	21	20	18	17	16	15	14	14	15	15	16	17	18	20	21	22	23	24	25	26	26	26	25	26.3
30-May-07	23	21	19	16	15	13	13	12	12	13	14	15	16	18	20	22	24	26	26	27	28	29	29	28	29.0
31-May-07	28	26	25	22	20	19	18	16	17	18	19	22	25	29	33	36	39	42	44	45	46	43	39	34	46.2
Hourly Max	54.3	50.9	50.7	51.7	51.0	49.7	48.8	48.0	47.9	47.7	47.4	47.8	50.1	52.7	55.4	58.4	61.0	63.9	64.0	63.4	61.0	59.4	57.9	56.9	

PAS - Crescent Heights - Carbon Monoxide Monthly Summary

HOURLY AVERAGE TABLE

Carbon Monoxide (CO)

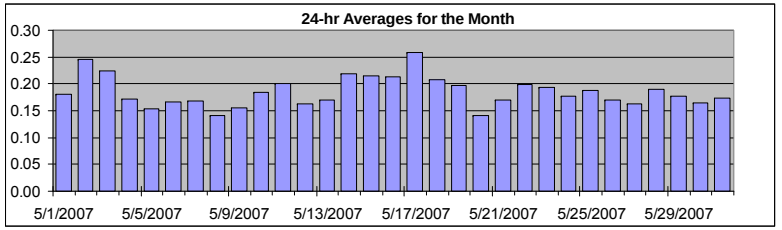
Station: Crescent Heights
Station Owner: PAS

Monitoring Dates: May 1, 2007 to June 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:	0.6	ppm	17-May	21:00 22:00
Maximum 24-hr Value:	0.3	ppm	17-May	



AIC Time:	33 hrs	Operational Time:	708 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.3	0.3	0.2	0.2	0.2	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-May-07	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	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.23
2-May-07	0.2	0.2	A	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.25	0.34
3-May-07	0.2	A	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.22	0.30
4-May-07	A	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.17	0.24
5-May-07	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	A	0.1	0.15	0.20
6-May-07	0.1	0.1	0.1	0.1	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	0.1	0.2	0.2	0.3	A	0.2	0.1	0.17	0.30
7-May-07	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.1	0.1	0.17	0.23
8-May-07	0.1	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	0.1	0.1	0.1	0.1	0.1	A	0.2	0.1	0.1	0.1	0.14	0.20
9-May-07	0.1	0.1	0.1	0.1	0.1	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	A	0.2	0.2	0.2	0.2	0.2	0.16	0.20
10-May-07	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.24
11-May-07	0.2	0.2	0.2	0.2	0.2	0.3	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	0.20	0.27
12-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	A	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.16	0.24
13-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.17	0.24
14-May-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	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.22	0.32
15-May-07	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	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	0.22	0.41
16-May-07	0.2	0.2	0.2	0.2	0.3	0.2	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	0.2	0.2	0.21	0.33
17-May-07	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.3	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	0.6	0.4	0.2	0.26	0.62
18-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.21	0.25
19-May-07	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	0.3	0.2	0.2	0.2	0.2	0.20	0.26
20-May-07	0.2	0.2	0.2	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	0.2	0.2	0.1	0.1	0.1	0.2	0.14	0.16
21-May-07	0.2	0.2	0.2	0.2	0.2	0.1	A	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.17	0.20
22-May-07	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.20	0.30
23-May-07	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.23
24-May-07	0.1	0.1	A	0.1	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	C	C	C	A	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.31
25-May-07	0.2	0.2	A	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.27
26-May-07	0.2	0.2	A	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.17	0.25
27-May-07	0.2	A	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.16	0.20
28-May-07	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.19	0.22
29-May-07	0.2	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	0.1	0.2	0.2	A	0.2	0.18	0.24
30-May-07	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	A	0.2	0.1	0.16	0.25
31-May-07	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	A	0.3	0.2	0.2	0.17	0.27
Hourly Avg	0.17	0.17	0.17	0.17	0.18	0.20	0.22	0.22	0.19	0.18	0.18	0.17	0.17	0.18	0.17	0.18	0.18	0.18	0.18	0.21	0.21	0.21	0.19	0.18		
Hourly Max	0.22	0.21	0.21	0.22	0.25	0.30	0.41	0.41	0.32	0.31	0.27	0.24	0.24	0.29	0.24	0.23	0.23	0.34	0.25	0.31	0.32	0.62	0.40	0.26		

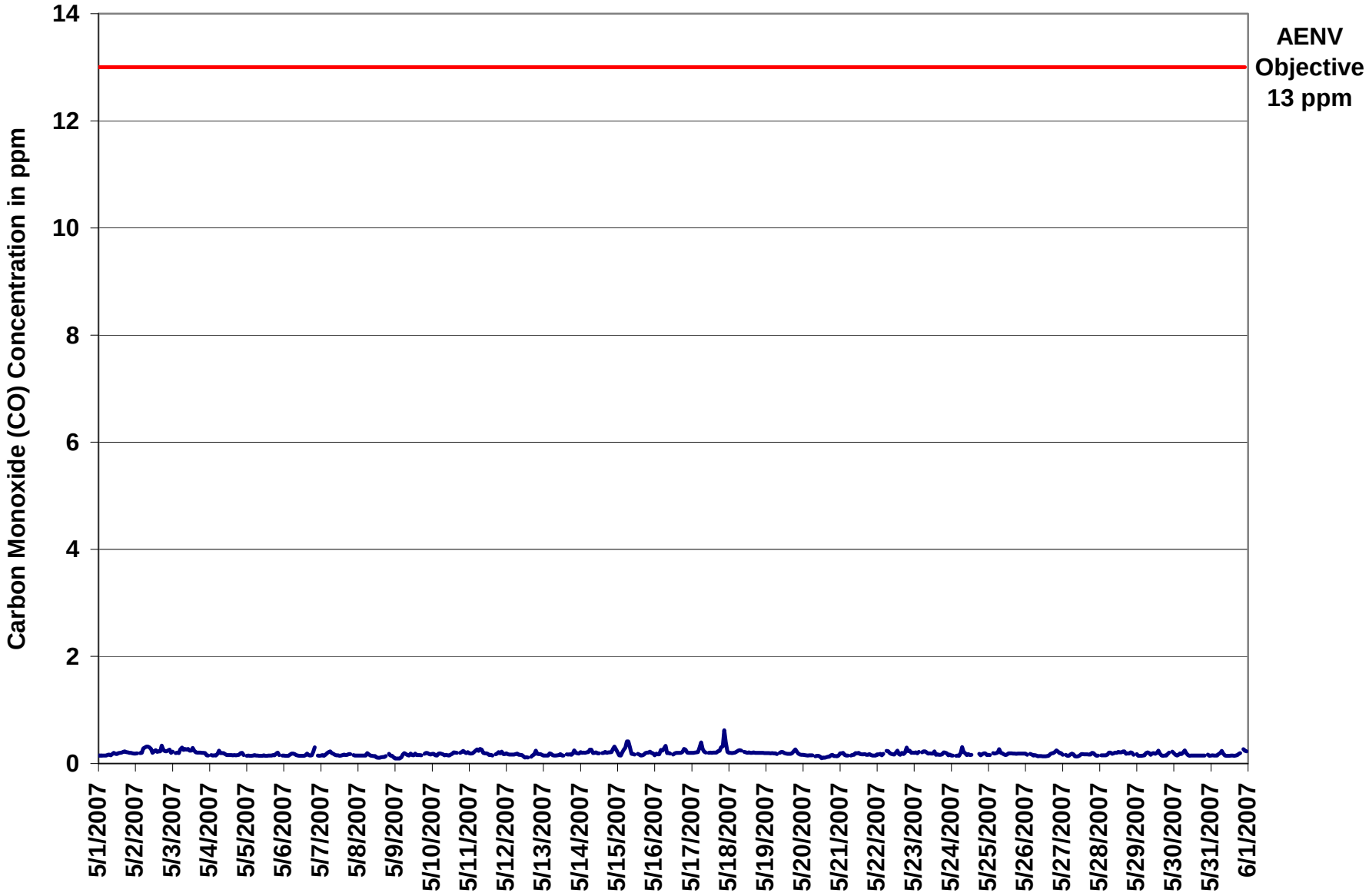


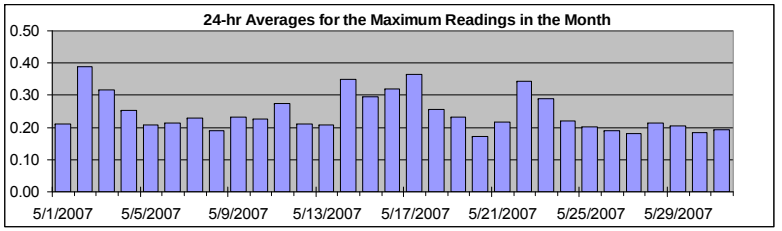
Figure 7. PAS - Crescent Heights Carbon Monoxide 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Carbon Monoxide (CO)

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



Summary

Maximum 1-hr Value:	1.3	ppm	16-May	4:00 5:00
Maximum 24-hr Value:	0.4	ppm	2-May	

AIC Time:	33 hrs	Operational Time:	708 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	0.7	0.5	0.3	0.2	0.2	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-May-07	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	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.21	0.30
2-May-07	0.2	0.2	A	0.3	0.2	0.3	0.9	0.5	0.7	0.6	0.4	0.2	0.3	0.6	0.3	0.3	0.2	0.7	0.5	0.3	0.3	0.3	0.3	0.2	0.39	0.92
3-May-07	0.5	A	0.2	0.2	0.2	0.6	0.4	0.4	0.5	0.4	0.5	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.32	0.60
4-May-07	A	0.2	0.2	0.2	0.2	0.3	0.9	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.25	0.88
5-May-07	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.4	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	A	0.2	0.21	0.40
6-May-07	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.4	A	0.2	0.1	0.21	0.35
7-May-07	0.2	0.5	0.1	0.2	0.2	0.3	0.2	0.5	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.1	0.23	0.50
8-May-07	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	A	0.2	0.1	0.1	0.1	0.19	0.30
9-May-07	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.5	0.2	0.2	0.2	0.2	A	0.2	0.3	0.2	0.2	0.2	0.23	0.54
10-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.3	0.2	0.3	0.2	0.2	0.3	0.22	0.32
11-May-07	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.3	0.5	0.3	0.3	0.2	0.2	0.27	0.48
12-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.5	0.3	0.2	0.2	0.2	0.21	0.50
13-May-07	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.2	0.2	0.21	0.50
14-May-07	0.3	0.3	0.3	0.2	0.3	0.3	0.5	0.5	0.2	0.3	0.5	0.2	0.4	A	0.2	0.3	0.4	0.2	0.4	0.3	0.3	0.7	0.6	0.4	0.35	0.72
15-May-07	0.3	0.2	0.2	0.3	0.3	0.4	0.6	0.5	0.4	0.3	0.2	0.2	A	0.6	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.29	0.62
16-May-07	0.2	0.2	0.2	0.2	1.3	0.3	0.7	0.6	0.2	0.2	0.2	A	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.2	0.2	0.32	1.28
17-May-07	0.2	0.2	0.3	0.3	0.3	0.4	0.6	0.4	0.3	0.3	A	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.6	1.0	0.5	0.3	0.36	0.95
18-May-07	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.3	0.4	A	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.26	0.39
19-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.2	0.23	0.39
20-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.17	0.25
21-May-07	0.3	0.2	0.2	0.2	0.2	0.2	A	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.22	0.35
22-May-07	0.2	0.2	0.2	0.2	0.2	A	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.8	0.3	0.2	0.2	0.2	0.2	0.8	0.3	0.7	0.3	0.3	0.34	0.80
23-May-07	0.2	0.3	0.2	0.2	A	0.2	0.5	0.4	0.3	0.2	0.3	0.3	0.3	0.6	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.29	0.60
24-May-07	0.1	0.2	A	0.1	0.2	0.1	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	C	C	C	A	0.2	0.2	0.2	0.2	0.2	0.2	0.22	0.40
25-May-07	0.2	0.2	A	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20	0.29
26-May-07	0.2	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.25
27-May-07	0.2	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.18	0.22
28-May-07	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	A	0.21	0.25
29-May-07	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	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	A	0.3	0.20	0.34
30-May-07	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	A	0.2	0.1	0.18	0.30
31-May-07	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	A	0.3	0.2	0.2	0.19	0.30
Hourly Avg	0.20	0.21	0.18	0.19	0.25	0.25	0.35	0.31	0.26	0.23	0.26	0.23	0.22	0.28	0.23	0.22	0.22	0.23	0.24	0.28	0.27	0.29	0.23	0.21		
Hourly Max	0.48	0.50	0.25	0.30	1.28	0.60	0.92	0.65	0.66	0.58	0.54	0.40	0.37	0.80	0.39	0.33	0.40	0.69	0.53	0.78	0.60	0.95	0.55	0.35		

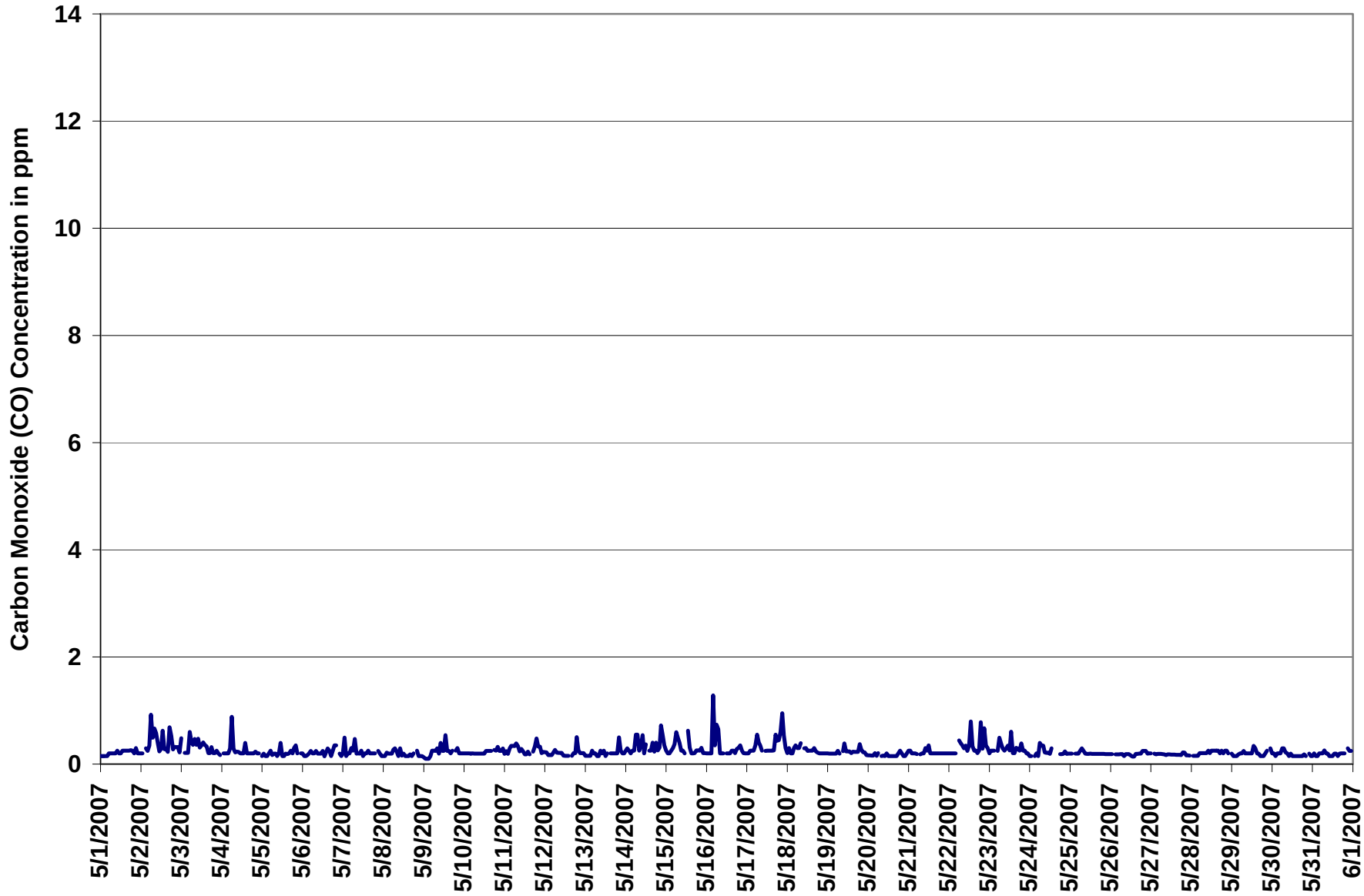
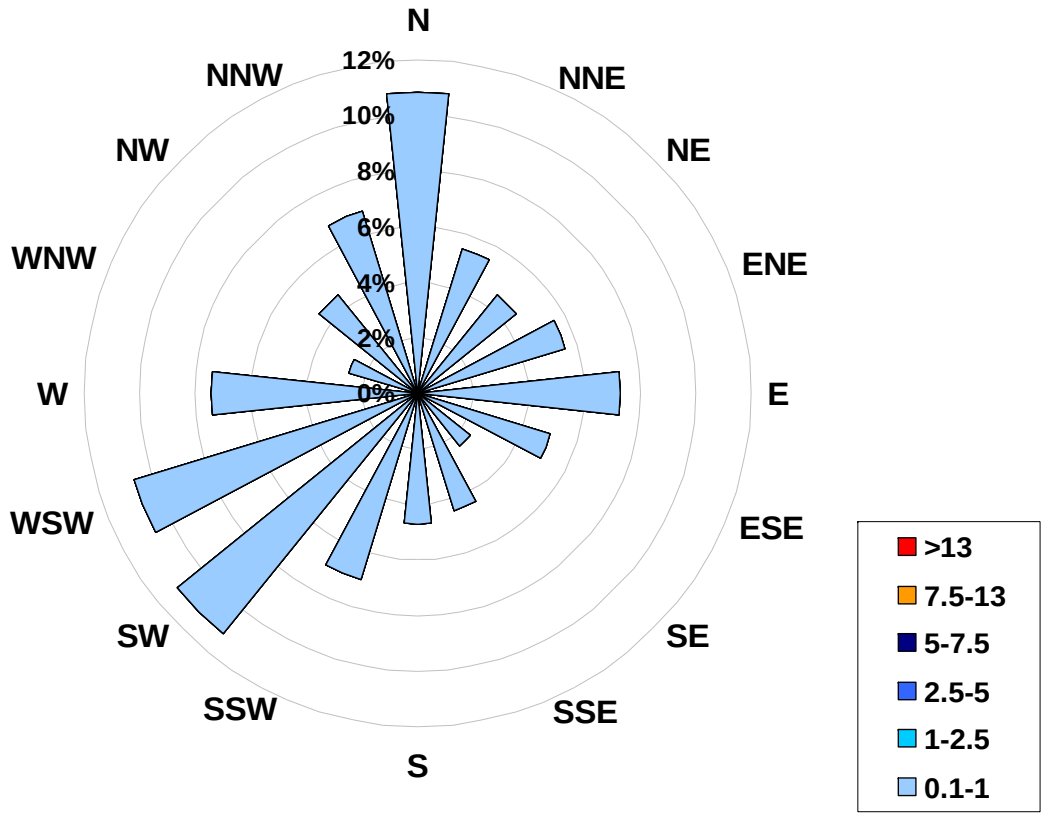


Figure 8. PAS - Crescent Heights Carbon Monoxide Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms:	0%

Frequency Distribution of CO in ppm			
Range			Frequency (hrs)
0.1	<	1	708
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			708

PAS - Crescent Heights - Carbon Monoxide Monthly Summary

Station: Crescent Heights
Station Owner: PAS

EIGHT HOUR RUNNING AVERAGE TABLE

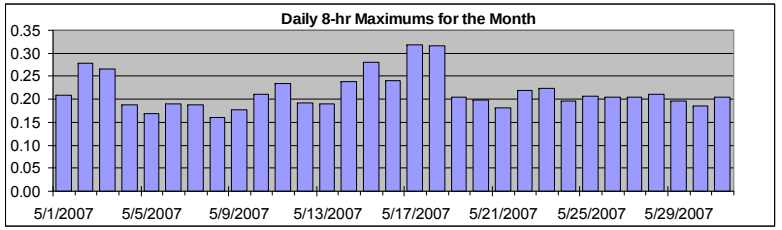
Carbon Monoxide (CO)

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

Objective Limit: **Alberta Environment:** 8-hr 5 ppm

Summary

Number of 8-hr Exceedances:	0			
Maximum 8-hr Average:	0.3	ppm	17-May	23:00 0:00



Percentile	99	95	75	50	25	5	1
	0.3	0.2	0.2	0.2	0.2	0.1	0.1

Status Flag Characters

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

Day **Mountain Standard Time**

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-May-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	0.21
2-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.28
3-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.27
4-May-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	0.19
5-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.17
6-May-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	0.19
7-May-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	0.19
8-May-07	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.16
9-May-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	0.2	0.2	0.2	0.18
10-May-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	0.21
11-May-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
12-May-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	0.19
13-May-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	0.19
14-May-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
15-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.28
16-May-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
17-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.32
18-May-07	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.32
19-May-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
20-May-07	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	0.1	0.1	0.1	0.1	0.1	0.20
21-May-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	0.18
22-May-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
23-May-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
24-May-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	N	N	N	N	N	N	N	N	N	0.20
25-May-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	0.21
26-May-07	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.20
27-May-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
28-May-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	0.21
29-May-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
30-May-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	0.19
31-May-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	0.2	0.2	0.2	0.2	0.2	0.2	0.20
Hourly Max	0.32	0.31	0.31	0.30	0.28	0.23	0.24	0.26	0.27	0.28	0.28	0.27	0.28	0.27	0.26	0.25	0.24	0.24	0.24	0.24	0.25	0.29	0.32	0.32	

PAS - Crescent Heights - Total Hydrocarbons Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

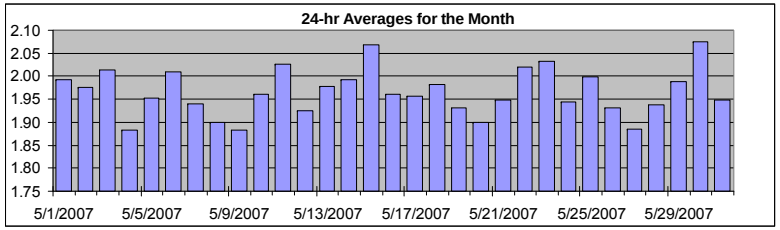
Total Hydrocarbons (THC)

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

Objective Limit: **Alberta Environment:** 1-hr na ppm | 24-hr na ppm

Summary

Maximum 1-hr Average:	2.6	ppm	30-May	2:00 3:00
Maximum 24-hr Value:	2.1	ppm	30-May	



AIC Time:	34 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.3	2.1	2.0	1.9	1.9	1.9	1.8	2.0 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-May-07	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.99	2.14
2-May-07	1.9	1.9	A	2.0	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.97	2.16
3-May-07	2.0	A	2.1	2.1	2.1	2.1	2.2	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.01	2.20
4-May-07	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	1.9	1.9	1.9	1.9	1.9	A	1.88	1.92
5-May-07	1.9	1.9	1.9	2.0	2.0	2.0	2.0	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	2.0	1.9	A	2.0	1.95	2.02
6-May-07	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	A	1.9	2.0	2.01	2.16
7-May-07	1.9	2.0	2.0	2.0	2.1	2.1	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	1.94	2.05
8-May-07	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	1.9	1.9	1.8	1.8	A	1.9	1.9	2.1	1.9	1.90	2.08
9-May-07	1.8	1.8	1.8	1.8	1.8	1.9	1.8	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	2.0	2.0	2.0	2.0	1.88	2.01
10-May-07	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	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	2.0	2.1	1.96	2.06
11-May-07	1.9	2.0	2.0	2.1	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	2.1	2.1	2.1	2.03	2.42
12-May-07	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.9	A	1.8	1.9	1.9	2.0	1.9	2.0	2.0	2.0	1.93	2.08
13-May-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	A	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.98	2.03
14-May-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	2.0	A	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	1.99	2.15
15-May-07	2.2	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.1	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.0	2.1	2.07	2.33
16-May-07	2.0	2.1	2.1	2.1	2.2	2.2	2.1	2.1	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	1.8	1.9	1.96	2.22
17-May-07	1.9	1.9	1.9	1.9	1.9	2.0	2.1	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	2.2	2.2	2.1	1.96	2.19
18-May-07	2.0	1.9	1.9	1.9	2.0	2.0	2.1	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.98	2.07
19-May-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	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	1.93	2.01
20-May-07	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	1.9	1.9	1.9	1.9	1.90	1.95
21-May-07	1.9	2.0	2.0	1.9	1.9	1.9	A	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.95	2.02
22-May-07	2.0	2.0	2.1	2.0	2.1	A	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.02	2.15
23-May-07	2.1	2.2	2.2	2.2	A	2.3	2.1	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.9	C	C	A	2.0	2.0	2.0	2.0	2.0	2.03	2.32
24-May-07	1.9	1.9	A	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	2.0	2.0	2.0	2.0	1.94	2.04
25-May-07	2.0	2.1	A	2.1	2.2	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.00	2.22
26-May-07	2.0	2.0	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	2.0	2.0	1.9	1.9	1.93	2.03
27-May-07	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	1.9	1.9	1.8	1.9	1.8	1.88	1.92
28-May-07	A	1.9	1.9	2.0	2.0	2.0	2.0	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	2.0	2.0	2.0	A	1.94	2.02
29-May-07	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.1	A	2.3	1.99	2.25
30-May-07	2.2	2.4	2.6	2.3	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	A	2.0	2.0	2.07	2.63
31-May-07	2.1	2.0	2.0	2.0	2.0	2.1	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	2.0	2.0	2.1	1.95	2.11
Hourly Avg	2.00	2.00	2.02	2.01	2.03	2.05	2.04	2.00	1.97	1.95	1.94	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.94	1.95	1.97	1.97	1.99		
Hourly Max	2.21	2.44	2.63	2.28	2.38	2.42	2.30	2.33	2.11	2.10	2.11	2.00	1.97	2.03	2.03	1.98	2.00	1.98	2.01	2.10	2.04	2.19	2.18	2.25		

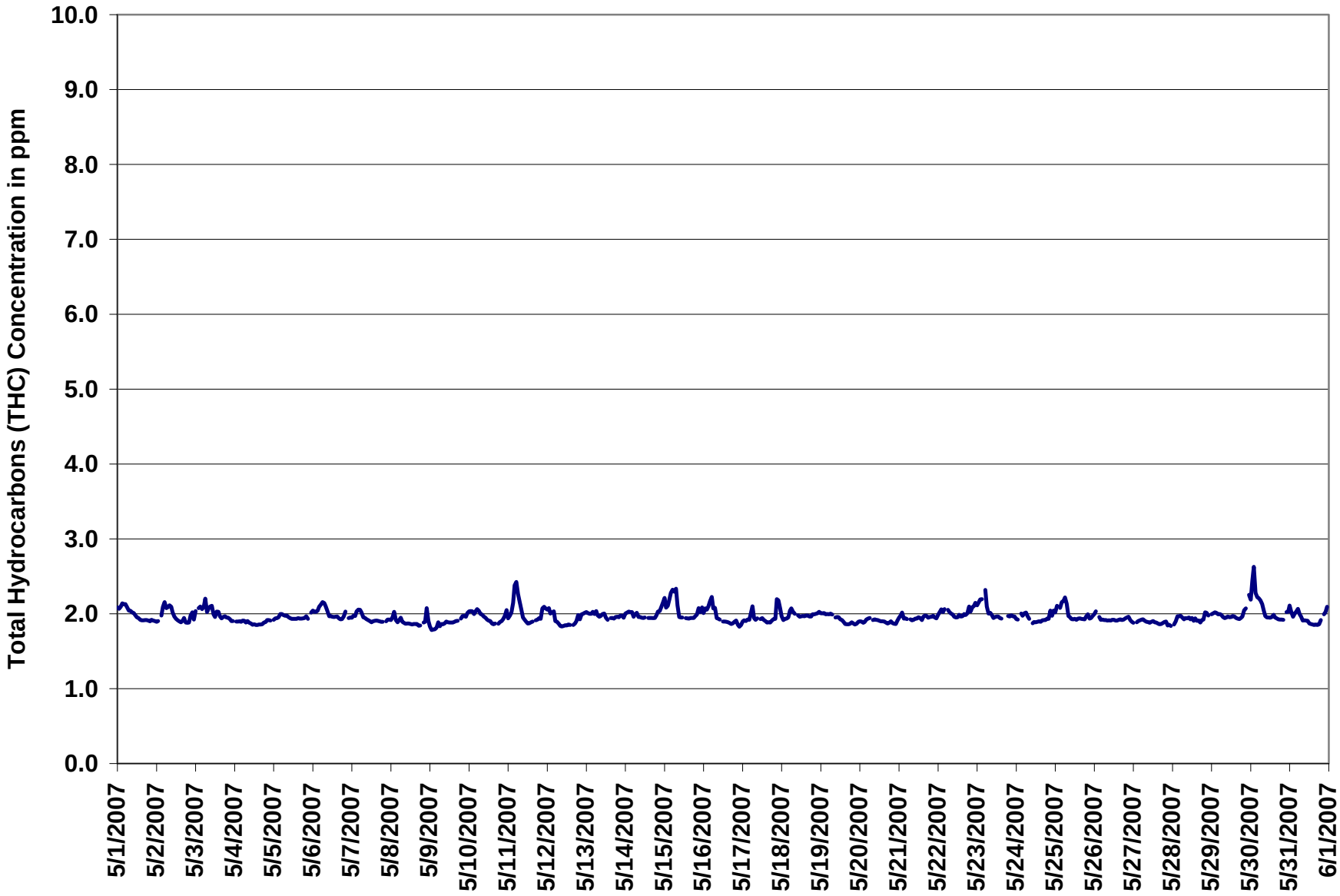


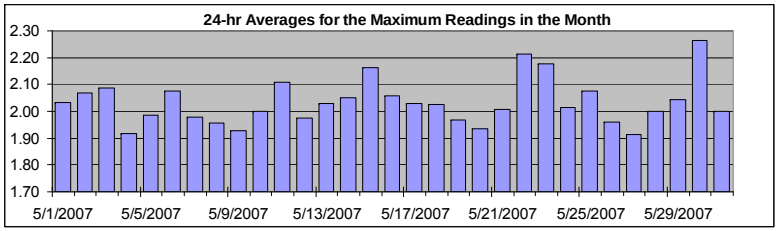
Figure 9. PAS - Crescent Heights Total Hydrocarbons 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Total Hydrocarbons (THC)

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



Summary

Maximum 1-hr Value:	4.0	ppm	30-May	1:00 2:00
Maximum 24-hr Value:	2.3	ppm	30-May	

AIC Time:	34 hrs	Operational Time:	708 hrs
Calibration Time:	2 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	2.7	2.3	2.1	2.0	1.9	1.9	1.9	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-May-07	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	1.9	2.0	1.9	2.0	1.9	1.9	2.0	2.0	1.9	2.03	2.19
2-May-07	1.9	1.9	A	2.1	2.2	2.2	2.3	2.2	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.9	1.9	2.1	2.0	1.9	2.1	2.1	2.3	2.0	2.07	2.29
3-May-07	2.1	A	2.1	2.3	2.1	2.3	2.4	2.1	2.2	2.2	2.2	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.09	2.37
4-May-07	A	1.9	1.9	1.9	1.9	2.0	2.1	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	A	1.92	2.09
5-May-07	1.9	2.0	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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.2	1.98	2.15
6-May-07	2.1	2.1	2.1	2.1	2.1	2.4	2.2	2.2	2.2	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	2.0	2.1	A	2.0	2.0	2.08	2.38
7-May-07	2.0	2.0	2.0	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	2.0	1.9	1.9	A	1.9	2.0	1.9	1.98	2.13
8-May-07	2.0	2.1	2.2	2.0	1.9	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	A	1.9	2.0	2.3	2.0	1.96	2.27
9-May-07	1.9	1.8	1.8	1.8	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	A	2.0	2.1	2.0	2.0	2.0	1.93	2.05
10-May-07	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	A	1.9	1.9	1.9	2.0	2.1	2.2	2.00	2.16
11-May-07	2.0	2.0	2.1	2.2	2.7	2.7	2.4	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	A	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.11	2.75
12-May-07	2.1	2.1	2.0	2.0	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	1.9	2.0	2.1	2.0	2.0	2.1	2.1	1.97	2.14
13-May-07	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.03	2.10
14-May-07	2.1	2.1	2.1	2.1	2.1	2.0	2.2	2.1	2.0	2.0	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.2	2.05	2.21
15-May-07	2.3	2.1	2.2	2.3	2.3	2.4	2.9	2.4	2.3	2.0	2.0	2.0	A	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.1	2.2	2.16	2.89
16-May-07	2.1	2.2	2.1	2.2	2.3	2.7	2.7	2.3	2.0	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.8	1.9	2.06	2.70
17-May-07	1.9	2.0	1.9	2.0	1.9	2.1	2.2	2.0	2.0	2.0	A	1.9	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.3	2.4	2.3	2.03	2.39
18-May-07	2.1	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	A	2.1	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.02	2.11
19-May-07	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0	A	2.0	2.0	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	1.97	2.05
20-May-07	2.0	2.0	1.9	1.9	1.9	2.0	2.0	A	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	2.0	1.93	1.99
21-May-07	2.0	2.0	2.1	2.1	2.0	2.0	A	2.0	1.9	2.0	2.2	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.01	2.17
22-May-07	2.1	2.1	2.1	2.1	2.1	A	2.4	2.3	2.2	2.3	2.1	2.1	2.2	2.3	2.4	2.0	2.1	2.2	2.1	3.1	2.1	2.3	2.2	2.3	2.21	3.05
23-May-07	2.2	2.2	2.3	2.3	A	3.4	2.2	2.3	2.2	2.1	2.0	2.3	2.1	2.0	2.0	2.0	C	C	A	2.1	2.0	2.0	2.0	2.0	2.18	3.36
24-May-07	2.0	1.9	A	2.1	2.0	2.1	2.1	2.0	2.0	A	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.0	2.0	2.0	2.0	2.1	2.2	2.3	2.01	2.28
25-May-07	2.1	2.4	A	2.2	2.2	2.3	2.3	2.3	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.9	2.0	1.9	2.2	2.3	2.0	2.0	2.0	2.08	2.40
26-May-07	2.1	2.1	A	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	2.0	2.0	2.0	1.9	1.9	1.9	1.96	2.12
27-May-07	1.9	A	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	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.91	1.99
28-May-07	A	1.9	1.9	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.0	1.9	2.0	2.0	2.1	2.1	2.1	A	2.00	2.09
29-May-07	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	1.9	2.0	2.0	2.1	2.2	A	2.5	2.04	2.48
30-May-07	2.3	4.0	3.8	2.4	2.4	2.3	2.4	2.2	2.1	2.0	2.2	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.9	1.9	A	2.2	2.1	2.26	3.98
31-May-07	2.2	2.1	2.0	2.0	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	2.0	A	2.1	2.1	2.2	2.00	2.20
Hourly Avg	2.05	2.11	2.11	2.08	2.09	2.17	2.17	2.09	2.03	2.00	2.00	1.98	1.96	1.97	1.96	1.95	1.95	1.96	1.96	2.02	2.02	2.04	2.05	2.07		
Hourly Max	2.30	3.98	3.83	2.35	2.75	3.36	2.89	2.44	2.35	2.26	2.19	2.26	2.20	2.29	2.45	2.07	2.18	2.24	2.08	3.05	2.27	2.34	2.39	2.48		

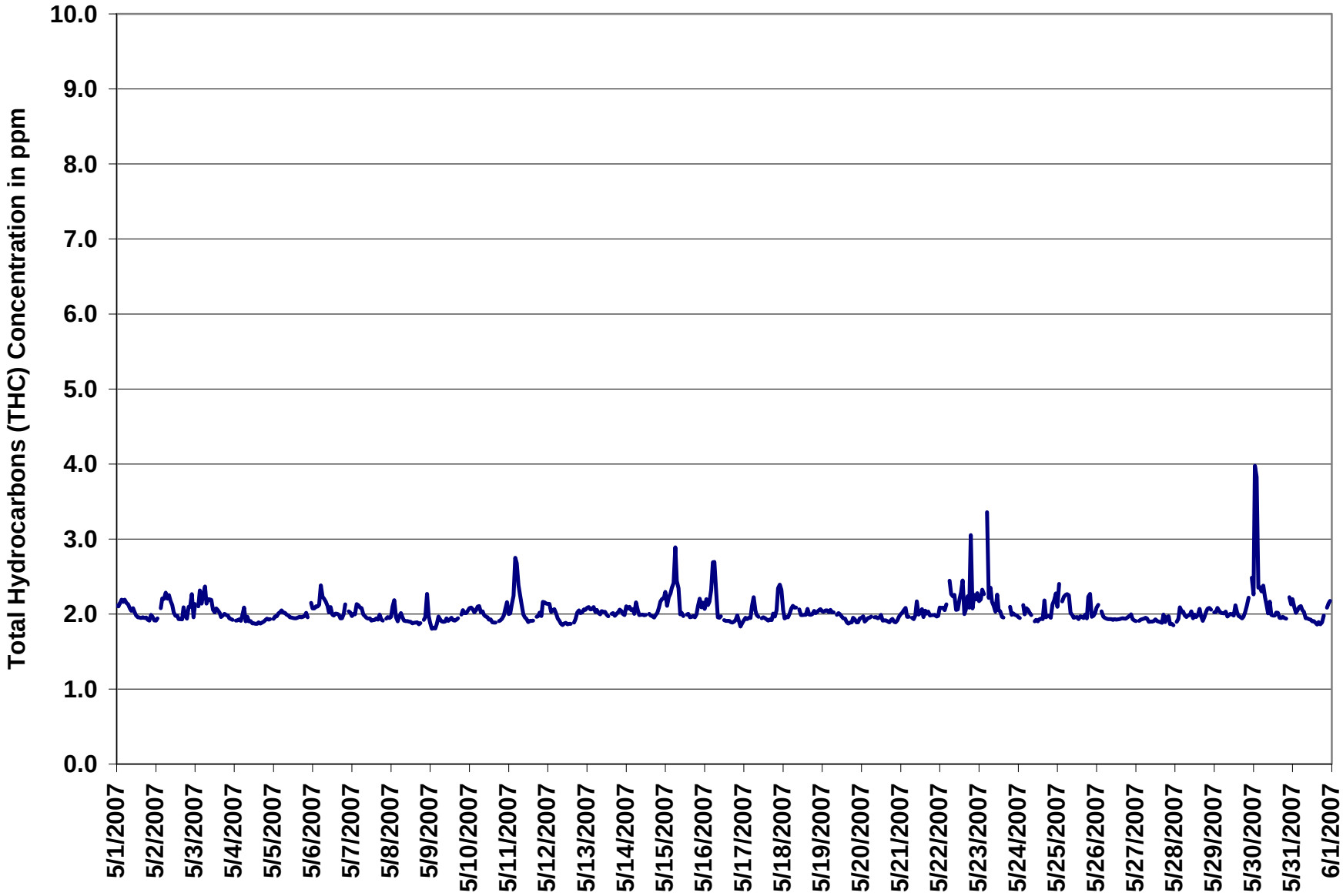
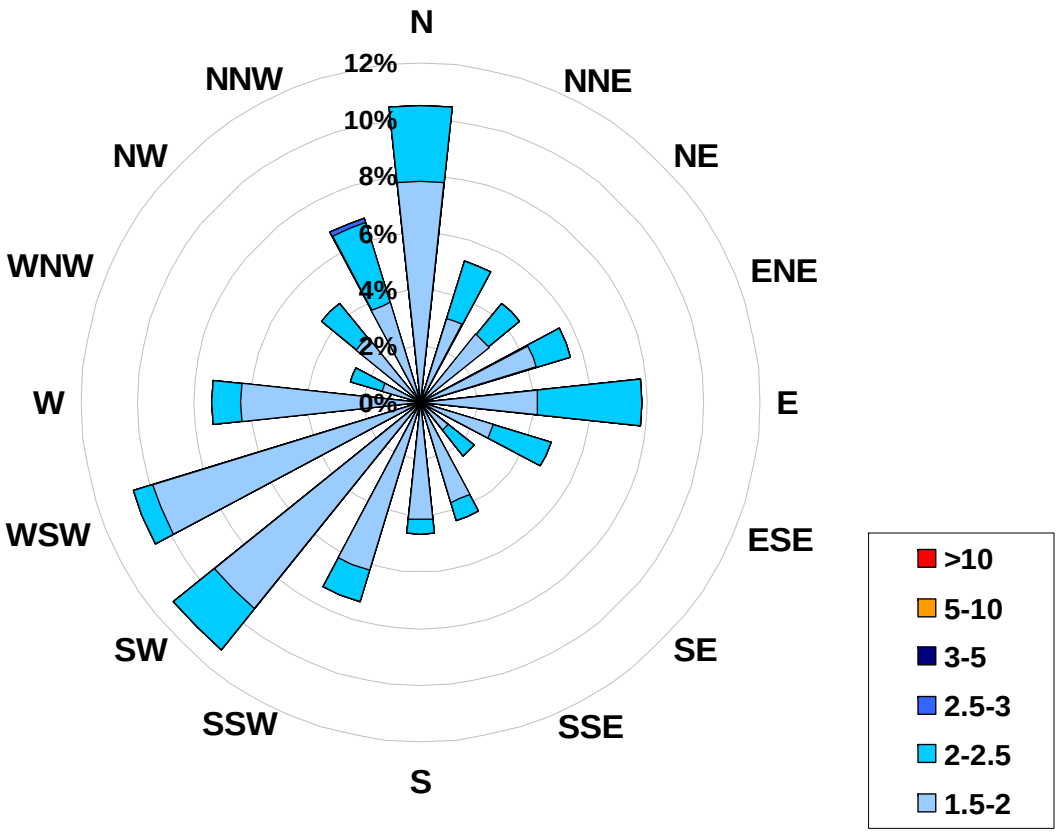


Figure 10. PAS - Crescent Heights Total Hydrocarbons Instantaneous (30 Second) Maximum Value Monthly Trend

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



Calms: 0%

Frequency Distribution of THC in ppm			
Range			Frequency (hrs)
1.5	<	2	523
2	to	2.5	184
2.5	to	3	1
3	to	5	0
5	to	10	0
	>	10	0
Total Non-Zero Values			708

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

HOURLY AVERAGE TABLE

Particulate Matter ($PM_{2.5}$)

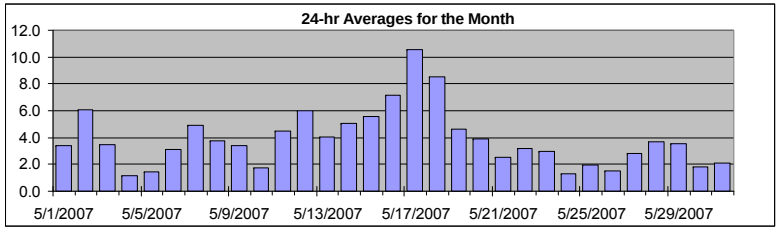
Station: Crescent Heights
Station Owner: PAS

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

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

Summary

Number of 24-hr Exceedances (draft):	0			
Maximum 1-hr Average:	25.4	µg/m³	17-May	21:00 22:00
Maximum 24-hr Value:	10.5	µg/m³	17-May	



AIC Time:	0 hrs	Operational Time:	741 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	12.9	9.3	5.2	3.4	1.7	0.1	0.0	3.9 / 3 µg/m³	3.3 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-May-07	3	1	2	1	1	2	3	2	3	3	3	2	3	4	4	5	5	7	5	4	5	5	4	4	3.4	6.6
2-May-07	5	4	4	3	3	6	4	9	8	9	5	3	5	6	6	5	7	17	14	4	4	6	5	4	6.1	17.2
3-May-07	5	4	3	4	4	6	5	4	5	6	5	7	7	8	3	0	2	1	0	1	1	1	0	1	3.5	8.4
4-May-07	1	2	0	0	0	1	1	0	1	1	1	1	0	1	1	2	2	1	3	2	2	2	1	0	1.1	3.4
5-May-07	0	1	2	2	2	2	2	2	1	0	0	0	0	0	1	1	2	2	3	2	5	1	1	3	1.4	5.1
6-May-07	2	2	2	2	2	4	4	3	2	1	2	1	3	5	5	6	3	2	2	3	7	4	2	4	3.1	7.1
7-May-07	7	7	7	8	7	8	6	6	5	3	1	2	3	4	5	5	5	4	3	4	5	4	4	4	4.9	7.9
8-May-07	3	4	5	4	4	5	5	4	2	3	4	4	3	3	3	4	3	2	3	5	5	3	4	4	3.8	5.4
9-May-07	3	2	2	4	5	9	9	5	4	4	4	1	2	2	2	2	3	3	2	5	3	2	1	1	3.4	9.1
10-May-07	1	0	1	1	0	1	1	1	1	1	1	0	2	3	4	4	3	2	3	4	3	3	2	2	1.7	4.1
11-May-07	2	1	2	2	2	2	2	5	4	3	3	6	4	0	5	3	5	6	8	9	7	9	10	7	4.5	10.5
12-May-07	7	7	6	5	4	5	5	5	4	3	2	0	2	3	4	4	6	7	8	11	8	14	12	10	6.0	14.0
13-May-07	9	2	3	9	8	3	2	1	1	3	3	1	4	7	4	5	3	4	3	5	5	4	4	3	4.0	9.2
14-May-07	3	3	4	4	4	3	5	5	3	5	4	4	5	6	5	9	5	5	5	8	6	6	8	8	5.1	8.9
15-May-07	7	5	5	5	7	9	10	9	4	1	1	3	4	4	5	5	5	4	6	8	7	9	7	7	5.6	9.7
16-May-07	6	7	5	5	5	5	6	5	8	5	5	6	7	7	7	6	9	9	10	15	13	7	8	8	7.2	15.1
17-May-07	7	7	8	6	8	10	12	9	7	8	7	9	11	9	12	10	12	14	10	11	11	25	17	11	10.5	25.4
18-May-07	10	8	10	8	9	13	11	10	10	10	10	9	9	8	9	10	10	9	7	6	6	5	6	3	8.5	12.6
19-May-07	2	2	2	1	2	3	2	5	6	5	7	7	7	8	6	6	6	6	6	9	6	1	1	4	4.6	9.1
20-May-07	5	6	4	4	5	5	6	1	2	2	2	2	2	3	3	3	3	4	4	7	5	4	4	11	3.9	10.7
21-May-07	8	7	6	4	4	5	4	4	3	2	2	1	2	1	1	0	0	0	3	1	0	0	1	2	2.5	8.0
22-May-07	1	3	3	2	1	2	1	3	2	2	0	2	6	4	2	5	6	4	4	6	5	4	3	4	3.2	6.4
23-May-07	4	4	2	4	3	3	5	5	4	5	2	2	1	0	1	2	2	2	2	7	3	2	3	2	3.0	6.6
24-May-07	0	0	1	2	0	1	2	6	4	0	0	2	2	3	2	C	C	C	0	0	0	0	0	1	1.3	6.0
25-May-07	2	3	2	1	1	1	3	3	1	1	0	1	5	3	1	0	1	3	2	4	2	2	2	3	1.9	5.0
26-May-07	2	2	2	1	1	2	2	2	1	1	0	0	0	0	0	2	2	2	2	3	4	2	0	4	1.5	4.1
27-May-07	1	3	3	2	2	3	2	1	1	2	2	3	4	2	3	1	3	2	4	5	5	5	4	3	2.8	5.5
28-May-07	1	0	1	5	7	6	6	7	6	6	7	6	7	3	5	0	1	4	2	3	1	2	2	2	3.7	6.6
29-May-07	1	2	2	4	4	4	5	5	3	4	3	4	2	4	4	4	4	3	4	4	5	4	3	3	3.6	5.2
30-May-07	2	3	2	4	5	4	4	3	2	2	2	2	3	2	1	1	1	0	0	0	1	0	0	0	1.8	4.9
31-May-07	0	0	0	0	0	2	2	3	2	2	1	1	2	1	0	1	1	1	2	3	7	8	7	4	2.1	8.4
Hourly Avg	3.5	3.3	3.2	3.5	3.7	4.3	4.4	4.3	3.5	3.3	2.9	3.0	3.7	3.7	3.7	3.7	4.0	4.4	4.2	5.1	4.8	4.7	4.0	4.0		
Hourly Max	9.6	7.7	9.9	9.2	9.3	12.6	11.9	10.4	9.6	10.2	10.2	9.2	11.1	9.4	12.0	10.2	12.3	17.2	13.5	15.1	13.1	25.4	16.9	11.0		

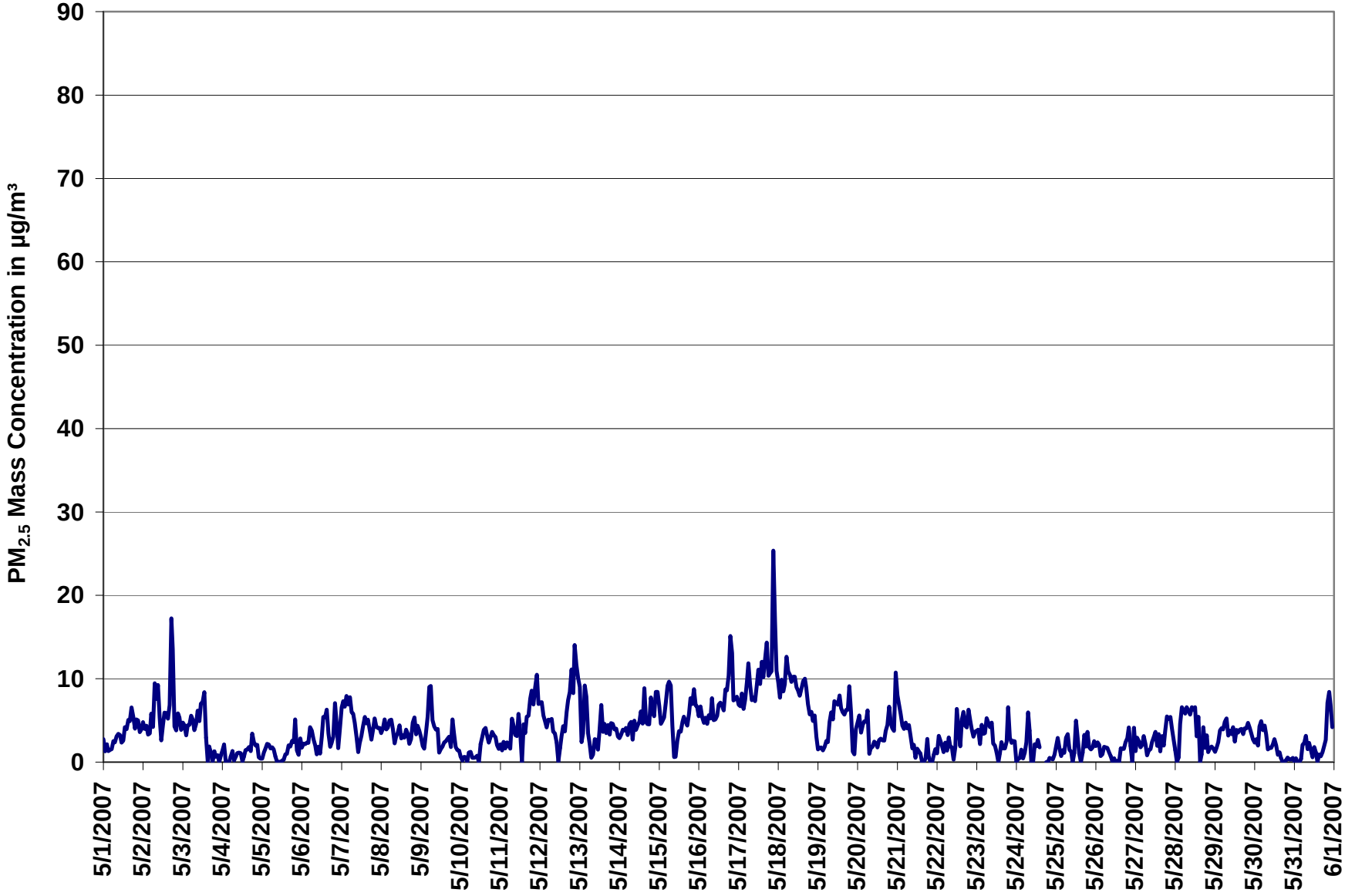


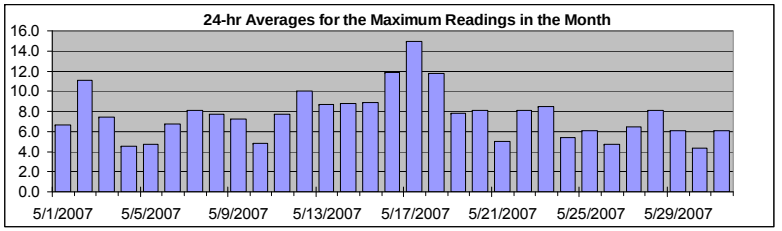
Figure 11. PAS - Crescent Heights Particulate Matter (less than 2.5 microns) 1-hr Average Monthly Trend

Station: Crescent Heights
Station Owner: PAS

INSTANTANEOUS (30 Second) MAXIMUM TABLE

Particulate Matter ($PM_{2.5}$)

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



Summary

Maximum 1-hr Average:	35.6	µg/m³	2-May	17:00 18:00
Maximum 24-hr Value:	15.0	µg/m³	17-May	

AIC Time:	0 hrs	Operational Time:	741 hrs
Calibration Time:	3 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average / Median	Geomean
	19.0	14.1	9.4	7.2	4.9	2.9	2.3	7.6 7 µg/m˜	7.3 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-May-07	6	3	6	4	3	4	5	5	5	7	6	6	6	8	8	10	9	11	8	8	10	8	6	7	6.6	10.9
2-May-07	8	8	8	7	9	12	7	15	16	13	13	7	7	9	9	9	10	36	21	10	7	8	8	9	11.1	35.6
3-May-07	8	8	6	8	10	9	11	11	8	9	8	12	12	12	8	4	8	4	3	4	3	3	3	6	7.4	12.2
4-May-07	4	7	2	3	2	2	11	3	3	4	6	6	4	4	5	5	8	4	6	5	4	4	5	3	4.6	10.6
5-May-07	3	5	4	7	6	3	5	4	3	3	4	3	4	5	5	4	6	5	5	5	11	5	4	6	4.7	10.7
6-May-07	5	5	6	5	5	7	8	6	5	4	8	5	8	9	13	10	8	5	5	5	11	8	5	9	6.8	12.8
7-May-07	10	10	10	11	10	12	9	9	8	6	6	5	6	7	9	8	10	7	6	7	7	7	6	8	8.1	12.0
8-May-07	6	6	7	8	10	7	7	7	6	6	9	8	7	8	5	9	8	6	10	9	11	7	9	8	7.7	10.7
9-May-07	7	5	5	9	8	16	13	10	11	7	7	4	5	5	6	6	5	7	5	8	8	5	4	4	7.2	15.9
10-May-07	4	3	3	3	2	3	4	3	2	3	3	2	6	8	8	10	6	7	8	7	7	6	4	5	4.8	9.6
11-May-07	6	4	5	4	5	5	4	8	7	6	6	9	8	8	8	7	9	9	10	11	11	13	13	11	7.7	13.2
12-May-07	10	10	9	8	8	7	9	9	6	8	10	5	7	7	7	8	10	12	12	18	14	18	17	14	10.1	18.3
13-May-07	14	6	6	19	19	9	6	4	7	12	9	8	10	10	9	8	6	8	6	8	8	7	6	5	8.7	19.3
14-May-07	5	6	6	6	6	6	10	8	6	9	12	10	8	9	11	13	11	10	9	10	10	7	11	11	8.8	12.9
15-May-07	10	7	7	7	9	13	12	12	9	5	5	7	9	10	9	8	11	7	8	9	10	12	8	10	8.9	13.1
16-May-07	7	10	8	8	8	8	13	17	31	10	8	8	9	12	10	10	14	15	14	19	18	11	9	9	11.8	31.5
17-May-07	8	9	13	9	10	12	14	14	11	13	13	13	14	13	17	16	17	19	15	14	24	36	19	17	15.0	35.6
18-May-07	13	15	17	13	12	16	14	13	12	13	12	12	12	12	11	13	12	12	9	8	9	7	9	6	11.8	16.7
19-May-07	5	5	3	4	4	5	5	7	9	9	10	10	9	10	10	10	9	9	9	11	14	3	6	8	7.8	13.8
20-May-07	7	7	5	8	8	7	13	5	4	4	5	7	7	6	9	8	5	8	7	10	8	7	8	31	8.1	30.6
21-May-07	11	10	7	7	6	7	7	6	6	4	4	2	5	4	3	3	4	4	7	3	3	3	3	4	5.0	11.2
22-May-07	3	6	5	4	3	4	3	5	4	7	3	8	16	9	7	15	17	15	9	13	10	9	9	10	8.1	16.6
23-May-07	9	10	6	10	10	9	12	9	7	10	7	8	7	5	9	7	8	8	8	16	8	7	6	7	8.5	16.2
24-May-07	3	5	5	6	5	6	9	12	8	7	2	7	5	7	7	C	C	C	2	3	3	3	3	6	5.4	11.8
25-May-07	5	5	4	3	4	3	7	7	4	4	4	7	18	6	5	6	10	12	4	7	7	4	4	5	6.0	18.4
26-May-07	4	5	4	3	3	5	5	4	4	6	4	6	4	6	2	5	5	4	5	6	6	5	4	7	4.7	7.0
27-May-07	4	8	4	4	4	5	5	3	5	5	6	9	8	8	7	8	10	5	8	9	10	8	8	7	6.5	10.3
28-May-07	4	3	4	7	9	9	7	10	9	8	11	9	12	11	12	9	11	11	11	7	4	4	5	4	8.1	12.3
29-May-07	3	4	4	7	6	6	7	7	8	8	6	6	4	6	6	7	7	6	7	7	6	6	6	5	6.1	7.8
30-May-07	4	5	4	7	7	6	6	6	4	5	5	4	6	4	3	4	4	4	4	3	3	3	2	3	4.4	7.4
31-May-07	2	2	4	2	3	4	5	7	5	5	5	5	5	8	4	8	5	8	7	10	10	12	10	11	6.0	11.6
Hourly Avg	6.3	6.5	6.0	6.8	6.9	7.4	8.2	7.9	7.5	7.2	7.1	7.0	8.0	7.9	7.7	8.2	8.7	9.2	8.0	8.6	8.9	7.9	7.1	8.1		
Hourly Max	14.0	15.3	16.7	19.3	18.6	16.3	14.5	16.8	31.5	13.1	13.3	12.7	18.4	13.2	16.6	15.9	17.3	35.6	20.7	18.7	24.5	35.6	19.3	30.6		

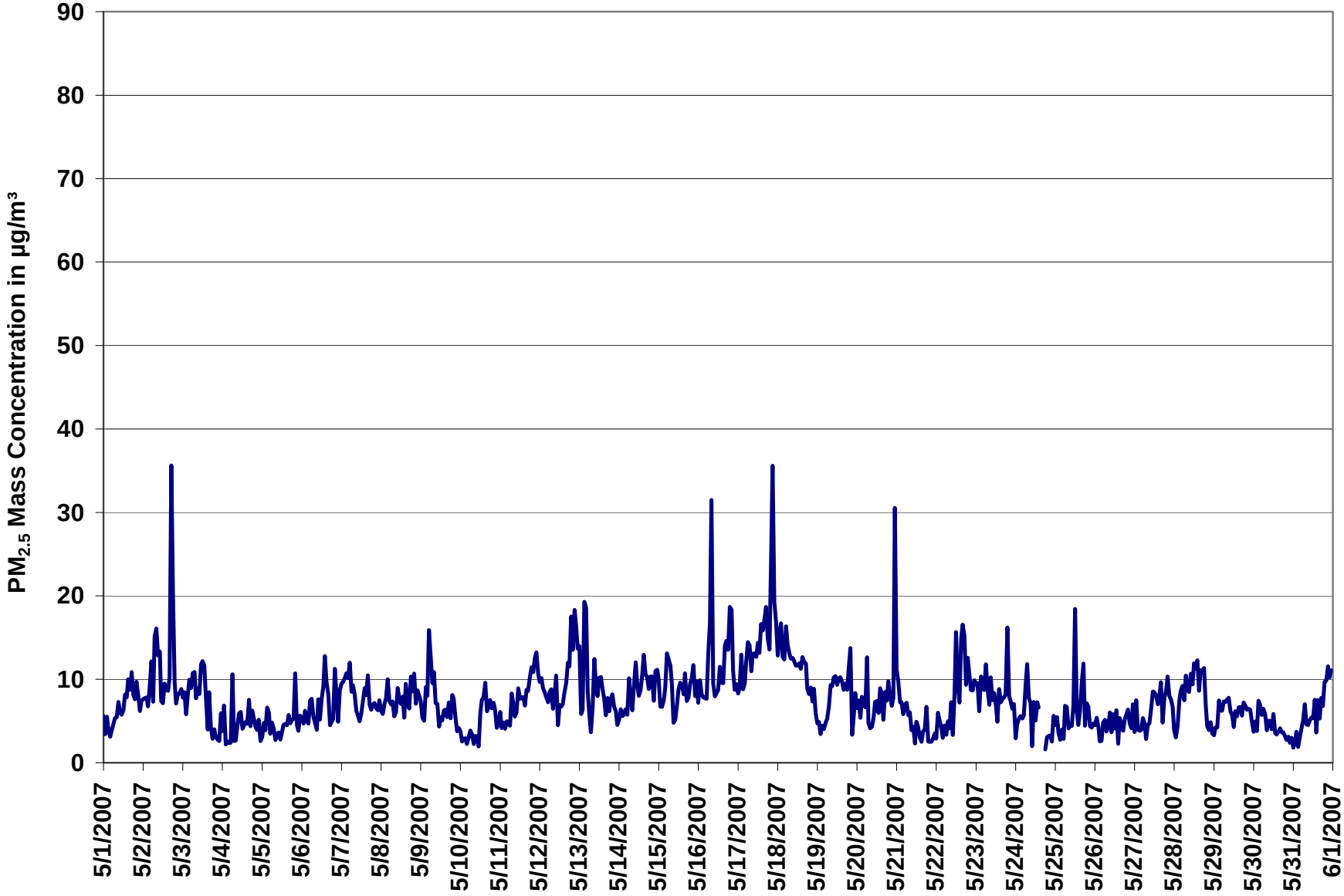
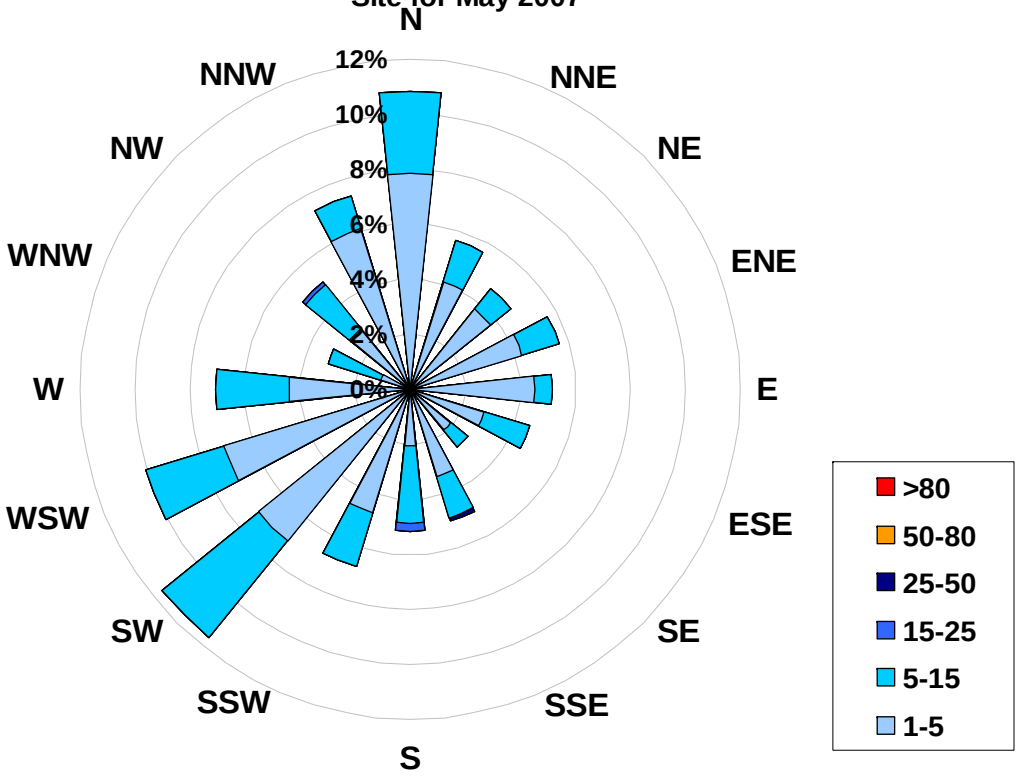


Figure 12. PAS - Crescent Heights Particulate Matter (less than 2.5 microns) Instantaneous (30 Second) Maximum Value Monthly Trend

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 May 2007



Calms:	**0%**

Frequency Distribution of $PM_{2.5}$ in $\mu g/m^3$			
Range			**Frequency (hrs)**
1.0	<	5	533
5	to	15	204
15	to	25	3
25	to	50	1
50	to	80	0
	>	80	0
Total Non-Zero Values			741

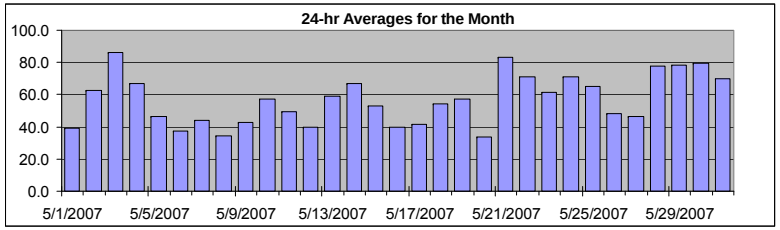
PAS - Crescent Heights - Relative Humidity Monthly Summary

Station: Crescent Heights
Station Owner: PAS

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

HOURLY AVERAGE TABLE

Relative Humidity (RH)



Summary

Maximum 1-hr Average:	92.9	%	3-May	4:00 5:00
Maximum 24-hr Value:	85.9	%	3-May	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	91.2	87.0	74.4	58.3	41.8	22.4	17.3	56.9 %	58.3 %

Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / Hour End	0:00 1:00	1:00 2:00	2:00 3:00	3:00 4:00	4:00 5:00	5:00 6:00	6:00 7:00	7:00 8:00	8:00 9:00	9:00 10:00	10:00 11:00	11:00 12:00	12:00 13:00	13:00 14:00	14:00 15:00	15:00 16:00	16:00 17:00	17:00 18:00	18:00 19:00	19:00 20:00	20:00 21:00	21:00 22:00	22:00 23:00	23:00 0:00	24-hour Average	Daily Maximum
1-May-07	56	52	53	55	55	52	50	44	41	38	36	33	28	27	26	25	25	29	31	34	36	37	37	40	39.2	55.7
2-May-07	43	46	50	57	64	65	59	62	75	70	64	56	51	46	46	44	46	50	76	88	81	85	87	87	62.5	87.9
3-May-07	91	91	92	93	93	93	86	84	81	81	85	83	90	92	90	86	84	84	82	82	79	78	78	82	85.9	92.9
4-May-07	86	89	86	82	77	75	76	74	73	70	68	64	60	56	50	49	47	49	54	63	66	68	64	63	67.1	88.8
5-May-07	63	66	70	74	73	69	64	55	49	46	41	36	33	30	29	27	28	27	28	32	40	46	45	47	46.6	73.8
6-May-07	46	50	58	57	60	59	56	51	42	33	25	22	21	19	18	17	19	22	23	30	36	45	44	52	37.6	59.7
7-May-07	58	58	53	61	66	65	59	54	49	42	31	26	25	25	28	28	30	31	33	36	42	46	53	58	44.0	65.5
8-May-07	60	59	60	56	52	53	51	42	32	29	26	24	20	18	16	15	14	14	15	22	29	34	39	38	34.1	60.1
9-May-07	42	40	41	40	42	43	48	49	43	41	41	34	30	31	30	31	34	37	39	47	55	61	62	64	42.8	64.3
10-May-07	68	69	71	72	72	71	69	64	61	57	52	40	37	39	51	47	44	42	43	51	58	64	68	73	57.5	73.2
11-May-07	76	77	81	83	85	83	74	64	55	48	42	42	39	26	22	18	18	18	21	29	32	44	55	58	49.5	85.4
12-May-07	57	58	62	63	64	60	59	56	49	42	35	24	19	19	17	16	17	20	25	29	32	38	43	45	39.6	64.4
13-May-07	44	42	36	33	67	68	62	56	44	44	40	43	42	64	66	67	66	66	63	68	78	82	85	84	58.9	84.7
14-May-07	86	87	88	88	88	86	84	77	61	55	52	51	48	47	48	61	60	52	49	59	61	63	70	75	66.6	88.4
15-May-07	80	81	83	87	89	88	79	73	58	50	41	35	30	26	26	26	25	25	27	34	38	50	60	64	53.1	89.3
16-May-07	63	67	67	65	67	61	47	44	31	28	26	25	23	25	26	25	23	21	22	30	43	44	43	47	40.0	67.4
17-May-07	52	56	61	65	68	69	63	57	51	42	32	27	25	21	20	18	18	21	23	26	32	43	55	57	41.8	69.0
18-May-07	55	52	56	54	55	65	68	67	63	57	51	48	46	45	45	44	43	44	44	49	56	62	66	69	54.3	69.0
19-May-07	71	73	75	77	79	78	73	66	58	58	57	54	53	52	50	47	44	44	47	51	50	43	41	39	57.4	78.7
20-May-07	37	39	41	43	50	55	56	44	37	34	30	27	21	21	20	20	20	20	23	26	27	31	34	47	33.4	56.1
21-May-07	72	79	81	80	81	83	85	83	82	83	87	87	88	87	87	85	81	79	82	87	85	84	85	84	83.2	88.2
22-May-07	83	85	86	85	84	83	82	80	75	69	61	56	76	74	60	59	60	52	59	61	64	65	69	73	70.9	85.6
23-May-07	75	79	79	75	77	76	78	74	69	66	62	55	53	43	37	43	38	38	40	53	62	65	68	72	61.5	79.0
24-May-07	68	67	68	69	71	72	73	81	83	77	75	76	74	71	72	70	66	66	69	69	68	68	66	64	71.0	82.9
25-May-07	70	76	83	84	86	83	82	79	70	61	49	43	50	60	58	48	42	55	51	61	62	64	68	74	64.8	85.7
26-May-07	79	82	78	75	70	67	62	56	49	44	42	40	35	30	27	24	26	27	30	35	42	48	44	50	48.4	82.5
27-May-07	52	55	59	61	65	65	62	52	45	38	35	35	36	30	31	29	32	31	33	39	44	53	63	69	46.3	69.2
28-May-07	77	76	76	82	84	84	82	83	85	82	84	87	86	80	84	81	72	69	69	63	69	70	67	67	77.5	86.9
29-May-07	73	76	76	81	87	90	91	90	85	84	84	83	80	78	75	72	67	64	64	66	73	77	82	85	78.5	91.3
30-May-07	86	89	90	90	89	88	88	88	86	81	76	75	73	72	69	68	68	68	70	73	76	79	81	83	79.4	89.8
31-May-07	84	85	88	91	92	92	89	84	82	80	77	66	61	57	53	49	45	43	43	44	59	68	73	78	70.1	91.7
Hourly Avg	66.2	67.9	69.3	70.2	72.6	72.3	69.6	65.7	60.1	55.8	51.7	48.4	46.9	45.6	44.4	43.2	42.0	42.2	44.5	49.5	54.0	58.2	61.2	64.2		
Hourly Max	91.0	91.0	91.9	92.5	92.9	92.5	91.3	90.3	85.7	84.2	86.8	87.4	90.3	91.8	90.5	86.4	83.9	84.2	82.2	87.9	84.9	85.4	87.4	87.0		

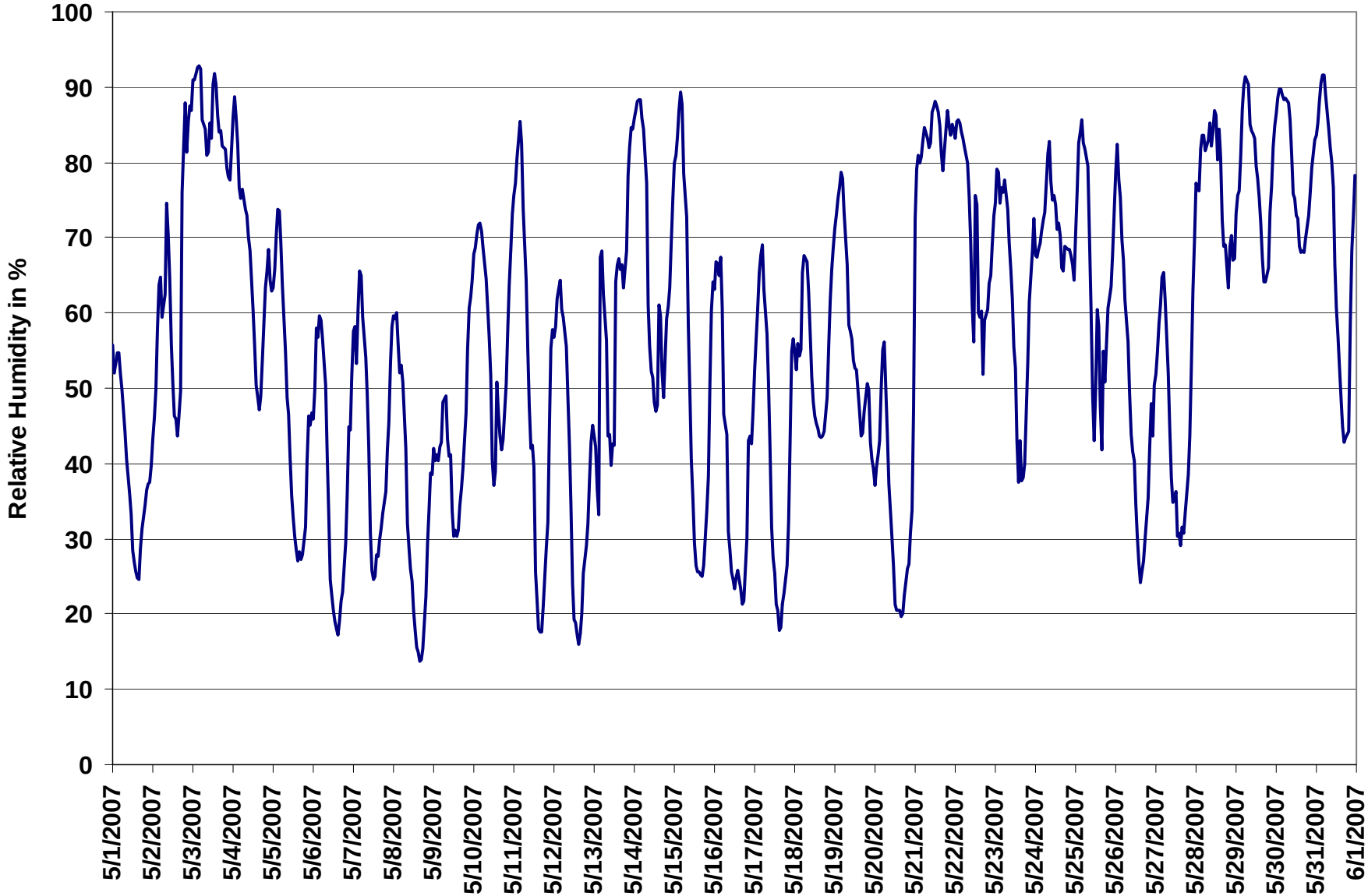


Figure 13. PAS - Crescent Heights Relative Humidity 1-hr Average Monthly Trend

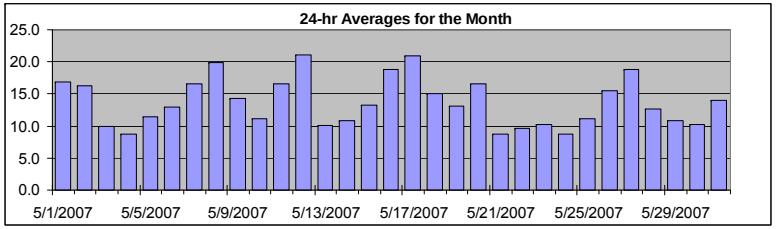
PAS - Crescent Heights - Temperature Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Ambient Temperature (T)

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



Summary

Maximum 1-hr Average:	29.6	°C	12-May	15:00 16:00
Maximum 24-hr Value:	21.0	°C	12-May	

AIC Time:	0 hrs	Operational Time:	744 hrs
Calibration Time:	0 hrs	AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	Average	Median
	28.0	24.5	17.6	12.9	9.1	5.9	4.1	13.7 °C	12.9 °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-May-07	7	8	8	8	8	9	10	13	15	17	19	20	23	24	24	25	25	23	22	21	19	19	19	18	16.8	25.1
2-May-07	17	16	16	14	11	11	13	14	13	16	17	18	21	22	22	23	23	22	16	13	14	13	12	12	16.2	23.5
3-May-07	11	10	9	9	8	9	11	12	14	13	13	14	13	12	12	10	9	8	7	7	7	7	8	7	10.0	13.8
4-May-07	7	7	7	7	7	6	7	8	8	9	9	10	11	12	13	13	13	12	11	8	7	6	6	6	8.7	13.2
5-May-07	5	5	4	3	3	4	6	9	10	12	14	16	16	17	18	18	18	18	18	15	13	12	11	10	11.4	18.2
6-May-07	9	8	6	6	5	6	7	9	12	15	16	17	18	18	19	19	19	19	19	16	14	12	11	10	13.0	19.4
7-May-07	10	10	11	9	8	8	11	13	16	19	22	23	24	23	23	22	22	22	21	19	18	17	14	13	16.6	23.6
8-May-07	12	12	11	12	14	14	15	19	22	23	24	25	25	26	26	26	27	27	27	24	20	18	15	15	19.9	27.3
9-May-07	15	15	15	15	14	16	16	16	16	16	16	17	17	17	18	17	16	15	14	12	10	8	7	6	14.4	17.7
10-May-07	5	5	5	5	4	5	5	7	8	10	12	15	17	17	16	19	19	19	18	15	13	11	10	9	11.2	19.1
11-May-07	8	7	6	6	5	6	9	13	16	19	21	23	24	25	25	26	26	25	24	22	20	16	13	12	16.5	26.1
12-May-07	12	12	12	12	12	15	17	20	22	24	26	27	28	28	29	30	29	27	25	23	21	19	18	16	21.0	29.6
13-May-07	15	14	13	13	9	8	9	10	11	11	12	12	12	9	9	9	10	10	10	9	8	7	7	7	10.1	15.0
14-May-07	6	6	6	6	6	6	7	9	12	13	14	14	15	16	15	12	13	15	15	13	12	11	10	8	10.8	15.7
15-May-07	7	6	5	4	4	4	7	10	13	16	18	20	20	20	20	20	21	20	19	17	16	12	10	9	13.3	20.5
16-May-07	9	8	8	9	8	10	15	17	20	21	22	23	24	25	25	26	26	27	26	23	21	20	20	19	18.8	26.7
17-May-07	17	16	15	13	13	13	15	18	20	22	25	26	27	28	28	28	28	27	26	24	22	19	16	15	21.0	28.4
18-May-07	15	15	14	14	13	12	12	13	15	17	18	19	19	19	19	20	19	19	18	15	12	9	7	6	15.0	19.6
19-May-07	6	5	5	4	3	4	5	8	12	13	15	16	16	17	19	20	21	21	20	19	18	17	16	15	13.1	20.9
20-May-07	15	14	13	13	11	10	11	14	16	17	18	19	20	21	21	21	21	20	19	18	17	16	16	14	16.5	21.2
21-May-07	11	10	10	10	10	10	10	10	10	10	10	9	9	9	8	8	8	8	7	7	6	6	6	6	8.7	11.2
22-May-07	6	6	7	7	7	7	7	8	9	10	11	12	9	10	12	12	13	14	13	13	11	10	9	6	9.6	13.8
23-May-07	5	4	4	5	5	5	6	8	10	10	11	13	13	15	16	15	16	15	15	13	12	10	10	9	10.3	16.3
24-May-07	9	8	8	8	7	7	8	7	7	7	7	8	8	9	10	10	11	11	10	10	10	10	10	9	8.7	10.8
25-May-07	9	9	8	7	7	7	8	9	11	13	15	16	15	13	13	14	15	14	14	12	12	11	9	8	11.2	16.2
26-May-07	7	6	7	8	9	10	12	14	16	18	18	19	20	21	21	22	22	22	21	19	17	15	15	16	15.5	22.1
27-May-07	15	15	14	14	13	13	15	18	20	22	23	22	22	24	24	24	23	23	22	21	20	18	16	15	18.9	24.2
28-May-07	13	13	12	11	11	11	12	12	12	13	12	12	13	14	13	13	14	15	15	15	13	11	12	11	12.6	15.0
29-May-07	9	9	9	9	9	9	9	10	11	11	11	10	11	11	11	12	13	14	14	14	12	11	10	8	10.8	14.2
30-May-07	8	7	6	6	6	7	8	9	9	10	11	11	12	13	14	14	14	14	13	13	12	11	10	10	10.3	14.0
31-May-07	10	9	8	7	6	7	8	10	11	11	12	15	17	19	20	21	22	22	21	20	17	15	14	12	13.9	21.8
Hourly Avg	10.0	9.6	9.1	8.7	8.2	8.6	10.0	11.8	13.5	14.8	15.9	16.9	17.4	17.9	18.3	18.5	18.7	18.3	17.4	15.8	14.3	12.8	11.8	10.9		
Hourly Max	17.2	16.3	15.6	14.6	14.2	15.9	17.2	20.0	22.5	24.0	25.7	27.3	28.0	28.1	29.5	29.6	28.5	27.2	26.5	23.9	21.5	19.7	20.2	19.0		

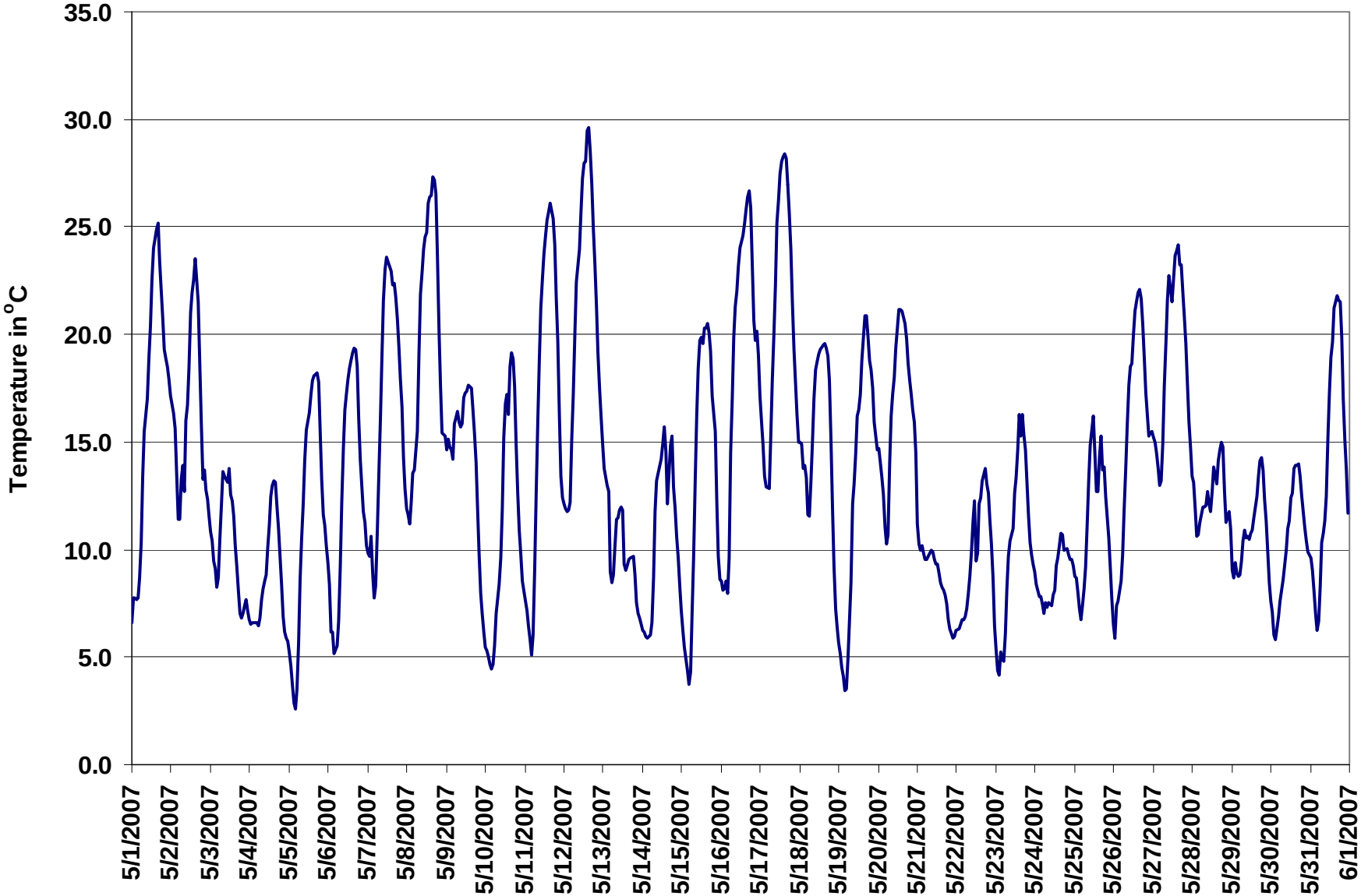


Figure 14. PAS - Crescent Heights Temperature 1-hr Average Monthly Trend

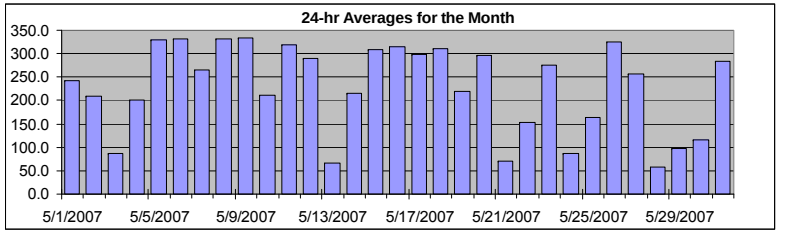
PAS - Crescent Heights - Solar Radiation Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Solar Radiation (SR)

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



Summary

Maximum 1-hr Average:	933.7	W/m²	8-May	12:00 13:00
Maximum 24-hr Value:	332.8	W/m²	9-May	

AIC Time:			0 hrs			Operational Time:									744 hrs										
Calibration Time:			0 hrs			AMD Operational Uptime:									100.0%										
Percentile	99	95	75	50	25	5	1								Average									Median	
	911.2	819.0	397.5	81.9	0.1	0.0	0.0								227.9	W/m²								81.9	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-May-07	0	0	0	0	1	35	109	339	414	406	536	563	791	833	593	570	435	127	35	13	0	0	0	0	241.7	833.0
2-May-07	0	0	0	0	0	15	42	33	100	439	541	721	842	761	716	599	184	17	1	1	0	0	0	0	208.9	842.1
3-May-07	0	0	0	0	1	47	231	265	357	187	169	166	60	55	108	236	100	34	43	10	0	0	0	0	86.2	356.7
4-May-07	0	0	0	0	0	8	39	137	109	121	234	434	671	793	782	575	397	356	150	10	0	0	0	0	200.8	793.2
5-May-07	0	0	0	0	1	51	206	384	562	715	830	899	889	880	797	672	510	334	164	18	0	0	0	0	329.7	899.5
6-May-07	0	0	0	0	2	55	209	387	565	718	834	907	918	885	805	669	505	324	146	21	0	0	0	0	331.2	917.9
7-May-07	0	0	0	0	2	56	210	387	500	659	798	872	873	546	533	384	291	166	68	14	0	0	0	0	265.0	873.3
8-May-07	0	0	0	0	2	60	217	397	584	739	861	883	934	900	732	567	530	346	165	23	0	0	0	0	331.0	933.7
9-May-07	0	0	0	0	2	79	152	394	557	725	833	904	922	887	803	677	518	341	166	26	1	0	0	0	332.8	922.5
10-May-07	0	0	0	0	2	32	99	175	247	291	649	811	443	354	361	578	478	374	138	29	1	0	0	0	210.9	810.8
11-May-07	0	0	0	0	3	65	214	387	559	706	817	890	695	843	798	653	499	342	156	27	0	0	0	0	318.9	889.6
12-May-07	0	0	0	0	4	41	195	392	566	706	814	862	784	591	768	623	368	145	70	25	0	0	0	0	289.8	862.2
13-May-07	0	0	0	0	1	51	95	247	197	108	101	110	127	163	111	75	95	70	22	5	0	0	0	0	65.7	247.3
14-May-07	0	0	0	0	1	27	67	285	549	643	454	616	532	660	249	181	452	301	145	17	0	0	0	0	215.8	660.3
15-May-07	0	0	0	0	4	50	162	335	556	708	825	916	828	618	773	626	505	329	161	30	0	0	0	0	309.5	916.1
16-May-07	0	0	0	0	6	68	233	382	579	640	784	892	848	759	724	613	501	335	151	24	1	0	0	0	314.1	891.6
17-May-07	0	0	0	0	4	58	183	365	539	693	784	686	789	805	740	644	460	229	140	36	1	0	0	0	298.1	804.8
18-May-07	0	0	0	0	8	61	223	399	552	695	744	779	819	777	674	657	515	336	170	36	1	0	0	0	310.3	819.3
19-May-07	0	0	0	0	8	78	217	342	522	196	401	490	513	359	534	641	517	322	126	15	1	0	0	0	220.0	640.9
20-May-07	0	0	0	0	6	53	167	370	587	687	686	906	917	869	707	519	360	204	74	16	0	0	0	0	297.0	917.3
21-May-07	0	0	0	0	2	25	50	63	100	95	101	192	124	227	182	200	166	90	49	9	0	0	0	0	69.8	227.2
22-May-07	0	0	0	0	3	32	73	105	186	296	431	480	326	273	397	352	358	245	96	36	2	0	0	0	153.8	479.7
23-May-07	0	0	0	0	6	67	219	440	571	506	491	724	685	916	775	462	535	163	55	12	0	0	0	0	276.2	915.8
24-May-07	0	0	0	0	2	37	68	48	79	93	118	240	206	291	317	210	206	92	37	19	1	0	0	0	86.0	316.7
25-May-07	0	0	0	0	12	100	109	137	196	398	551	768	243	319	199	417	204	173	91	30	3	0	0	0	164.6	768.4
26-May-07	0	0	0	0	11	105	256	432	602	750	757	605	891	829	769	711	535	337	147	43	2	0	0	0	324.3	891.1
27-May-07	0	0	0	0	10	66	226	421	577	739	746	342	404	767	599	502	324	314	84	17	1	0	0	0	255.8	767.3
28-May-07	0	0	0	0	5	16	24	64	141	160	106	72	129	177	116	75	103	110	74	33	3	0	0	0	58.7	177.3
29-May-07	0	0	0	0	2	7	13	31	163	114	155	128	147	115	194	381	323	235	214	90	17	0	0	0	97.0	380.5
30-May-07	0	0	0	0	4	31	51	89	128	209	225	226	382	313	383	275	176	151	113	45	3	0	0	0	116.9	383.5
31-May-07	0	0	0	0	9	61	133	144	228	291	541	914	914	844	807	687	536	384	227	71	8	0	0	0	283.3	914.4
Hourly Avg	0.0	0.0	0.0	0.0	3.9	49.6	144.9	270.2	392.7	465.6	545.7	612.9	601.6	593.9	549.9	484.8	376.9	236.3	112.2	25.8	1.5	0.1	0.0	0.0		
Hourly Max	0.2	0.2	0.2	0.1	11.8	104.7	255.9	440.0	602.5	749.9	861.5	916.1	933.7	915.8	807.4	710.6	536.4	383.8	226.9	90.3	16.7	0.2	0.2	0.2		

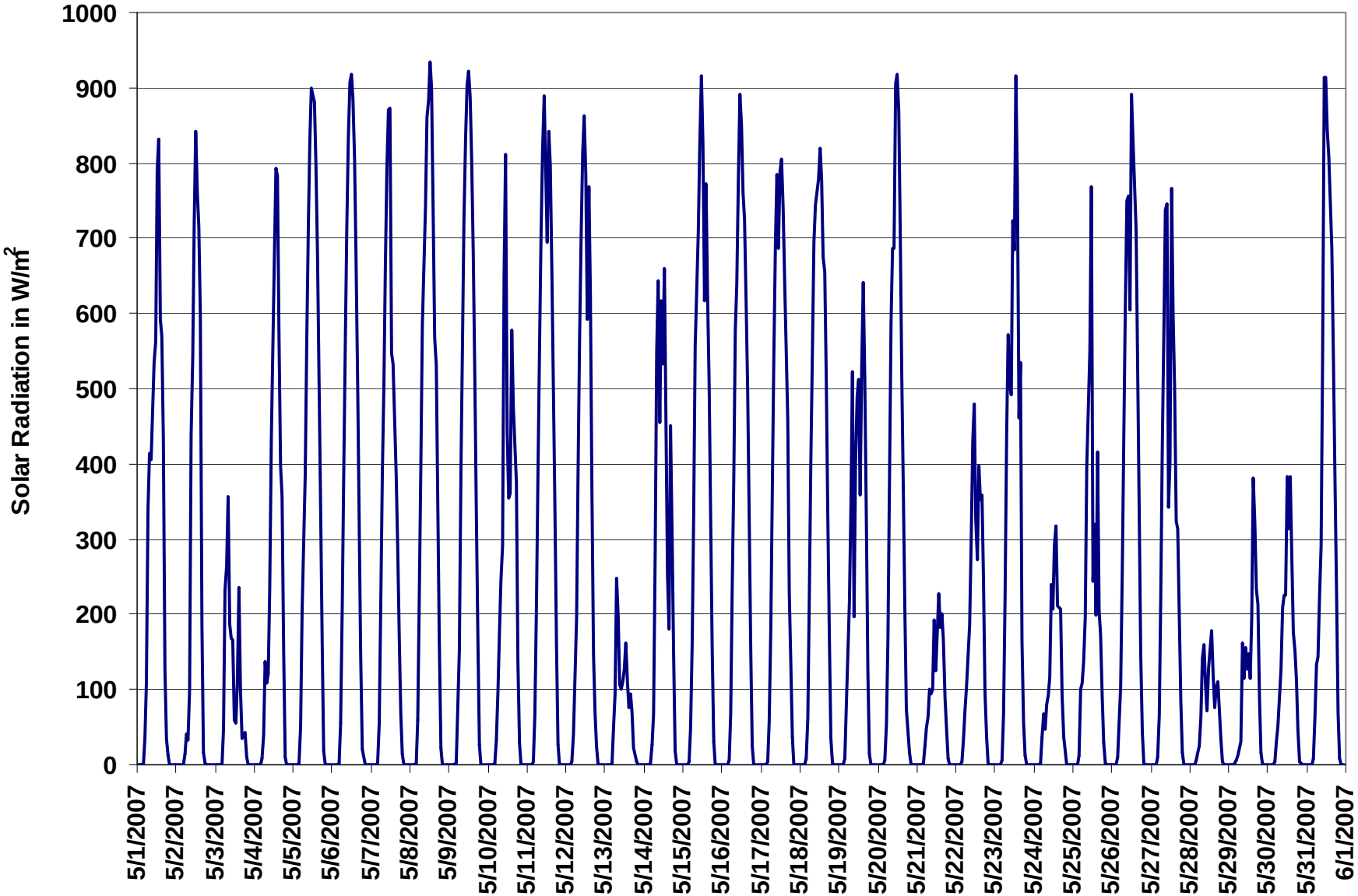


Figure 15. PAS - Crescent Heights Solar Radiation 1-hr Average Monthly Trend

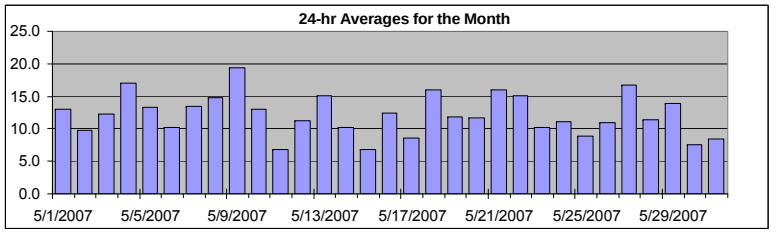
PAS - Crescent Heights - Scalar Wind Speed Monthly Summary

Station: Crescent Heights
Station Owner: PAS

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

HOURLY AVERAGE TABLE

Wind Speed (WSs)



Summary

Maximum 1-hr Average:	31.8	km/hr	2-May	18:00 19:00
Maximum 24-hr Value:	19.4	km/hr	9-May	

Calm Time:	0 hrs	**0%** calms	Operational Time:	744 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageS
	24.9	21.6	15.7	11.6	8.2	4.7	3.5	12.2 km/hr

Status Flag Characters

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

Day — **Mountain Standard Time**

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-May-07	13	16	15	15	15	12	13	13	8	6	8	10	13	16	16	18	16	17	14	17	14	10	9	11	13.0	18.0
2-May-07	8	7	6	11	12	11	10	12	10	8	11	7	6	7	8	8	8	4	32	15	14	6	7	6	9.8	31.8
3-May-07	4	5	4	5	5	4	5	8	11	10	9	9	10	11	19	21	24	22	22	19	19	18	18	15	12.3	24.3
4-May-07	16	15	15	13	12	11	11	13	13	16	22	31	22	23	21	23	20	16	14	17	11	11	17	24	17.0	31.3
5-May-07	25	20	12	10	7	8	11	18	20	21	17	16	14	11	12	12	11	9	7	6	9	13	14	17	13.3	24.5
6-May-07	15	14	5	7	8	7	8	8	9	13	15	15	14	13	14	12	11	10	8	5	5	5	10	14	10.2	15.4
7-May-07	15	10	10	7	6	10	13	18	16	17	15	14	14	16	19	17	14	15	9	8	11	13	17	18	13.4	19.4
8-May-07	13	16	14	16	16	16	12	15	18	18	18	19	20	18	19	16	16	13	14	12	10	10	10	9	14.9	20.0
9-May-07	12	20	20	19	11	10	10	22	28	27	22	23	23	25	21	21	23	23	22	16	19	19	16	15	19.4	28.2
10-May-07	14	14	11	12	16	14	16	16	19	18	22	25	14	9	17	12	10	10	9	9	7	5	5	7	13.0	25.1
11-May-07	8	6	2	4	3	4	5	4	4	5	6	8	8	14	10	8	6	6	8	10	12	8	8	6	6.8	13.8
12-May-07	6	6	4	4	6	9	10	14	18	16	17	16	14	12	10	8	7	11	10	5	17	16	15	19	11.2	18.7
13-May-07	22	27	24	13	12	17	13	14	19	16	14	14	21	27	20	13	15	10	8	9	5	9	11	11	15.1	26.8
14-May-07	9	10	11	10	13	12	9	9	7	9	12	14	15	16	15	14	10	8	7	10	9	6	5	6	10.2	15.6
15-May-07	7	8	5	4	3	2	2	3	5	7	6	7	8	8	9	9	9	10	10	10	12	7	7	7	6.9	11.5
16-May-07	6	4	5	6	4	4	5	8	16	15	18	17	18	18	17	17	18	18	12	9	12	16	18	18	12.5	18.4
17-May-07	14	8	9	13	8	5	3	9	12	8	5	5	8	12	14	14	12	10	8	6	4	6	7	9	8.6	14.2
18-May-07	11	14	13	14	15	13	13	15	13	13	14	16	14	13	14	15	17	16	21	24	24	24	20	17	16.0	24.4
19-May-07	22	22	19	18	19	14	13	12	10	8	8	10	11	7	7	10	6	8	8	7	9	12	13	12	11.8	22.5
20-May-07	17	16	15	11	13	12	10	12	14	16	13	13	15	9	10	9	9	8	7	7	10	11	8	13	11.6	17.2
21-May-07	16	14	8	12	11	10	11	13	12	12	11	16	15	24	23	22	21	21	19	17	19	19	20	18	16.0	23.8
22-May-07	16	12	14	18	16	17	16	18	21	22	23	24	21	18	21	16	9	14	7	6	7	8	9	10	15.1	23.8
23-May-07	8	3	5	6	4	6	13	17	17	14	14	12	15	12	9	11	9	12	9	12	8	8	8	9	10.1	17.4
24-May-07	13	11	5	6	6	8	6	5	6	12	18	18	16	16	16	17	16	14	9	10	9	7	9	11	11.1	18.5
25-May-07	5	6	6	8	9	9	7	6	6	7	10	12	12	20	13	10	8	10	7	9	9	10	7	5	8.8	19.6
26-May-07	5	4	8	9	9	8	12	16	15	14	13	14	12	11	11	9	10	9	10	10	13	11	11	18	10.9	18.0
27-May-07	18	19	21	18	15	10	11	21	21	21	21	20	13	14	14	17	15	13	7	6	18	24	23	22	16.7	23.6
28-May-07	18	16	15	9	12	11	13	16	16	19	17	12	5	5	8	9	10	11	6	7	7	7	13	14	11.4	18.8
29-May-07	12	13	14	14	14	12	14	16	20	21	21	18	17	16	16	17	15	14	13	10	7	5	7	7	13.9	21.2
30-May-07	6	5	4	4	5	5	5	4	7	10	11	9	10	9	7	6	5	8	9	12	10	8	10	10	7.5	11.8
31-May-07	10	10	7	7	5	6	6	5	10	9	12	13	11	11	10	9	9	11	11	10	4	5	5	7	8.4	13.1
1-hr Average	12.4	12.0	10.6	10.4	9.9	9.6	9.9	12.3	13.5	13.8	14.2	14.7	13.8	14.2	14.2	13.5	12.6	12.2	11.5	10.6	11.1	10.8	11.5	12.4		
Hourly Max	24.5	26.6	23.8	19.0	18.7	17.4	16.2	21.5	28.2	26.8	22.7	31.3	23.3	26.8	23.4	23.0	24.3	22.7	31.8	24.4	23.8	24.0	22.8	24.0		

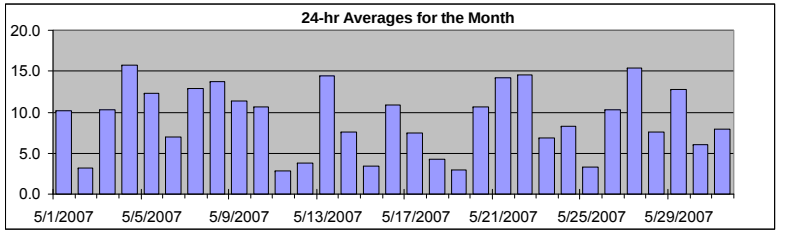
PAS - Crescent Heights - Vector Wind Speed Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Wind Speed (WSv)

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



Summary

Maximum 1-hr Average:	31.3	km/hr	2-May	18:00 19:00
Maximum 24-hr Value:	15.8	km/hr	4-May	

Calm Time:	3 hrs	**0%** calms	Operational Time:	741 hrs
Calibration Time:	0 hrs		AMD Operational Uptime:	100.0%

Percentile	99	95	75	50	25	5	1	AverageV
	24.7	21.4	15.5	10.9	7.3	3.6	1.8	3.1 km/hr

Status Flag Characters

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

Day — **Mountain Standard Time**

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-May-07	12	15	15	14	15	12	12	12	7	4	5	9	11	15	16	18	16	17	14	16	14	6	7	8	10.1	17.6
2-May-07	5	4	calm	10	11	4	4	4	8	6	9	6	4	6	6	7	8	4	31	12	12	4	5	3	3.2	31.3
3-May-07	calm	3	3	4	4	2	4	7	11	9	8	8	8	10	19	21	24	21	22	18	19	18	18	15	10.2	24.1
4-May-07	16	14	15	13	12	11	11	13	12	16	21	31	21	23	21	23	19	16	14	16	11	11	17	24	15.8	31.0
5-May-07	24	20	11	10	6	6	10	18	19	21	16	15	13	10	10	11	10	9	6	6	9	12	14	17	12.3	24.4
6-May-07	15	14	2	4	7	6	7	7	9	12	14	14	13	12	13	11	9	9	8	4	5	4	10	14	7.0	15.4
7-May-07	15	10	10	5	5	10	13	18	15	17	14	13	13	15	19	17	14	15	9	8	10	13	17	18	12.9	19.1
8-May-07	13	15	14	16	16	15	12	15	18	18	17	18	20	18	18	16	15	12	13	12	10	9	10	9	13.7	19.6
9-May-07	12	20	20	19	10	10	10	21	28	26	21	22	23	25	21	21	23	22	22	16	19	19	15	15	11.4	28.0
10-May-07	13	14	11	12	16	14	16	16	18	18	22	25	12	9	17	12	9	9	8	9	7	4	4	7	10.7	24.8
11-May-07	8	6	2	4	3	4	4	2	3	3	3	5	6	13	8	4	2	5	8	10	12	8	8	6	2.9	13.1
12-May-07	5	6	3	2	5	9	9	13	18	16	16	16	13	12	7	6	4	11	10	5	17	16	15	19	3.8	18.6
13-May-07	21	26	24	11	10	17	13	13	19	15	14	13	21	27	20	13	15	9	8	9	5	9	11	10	14.4	26.7
14-May-07	9	10	11	10	12	11	9	9	6	8	11	14	14	15	8	6	9	8	7	10	6	5	3	6	7.6	14.7
15-May-07	7	8	5	3	1	1	2	3	4	6	4	5	6	7	6	8	8	9	10	10	11	7	7	6	3.4	11.5
16-May-07	6	3	5	6	4	3	3	1	15	15	17	17	18	17	16	17	18	17	12	9	12	16	17	18	10.9	18.2
17-May-07	14	6	9	13	8	4	calm	8	11	8	2	3	6	11	13	13	12	9	8	5	3	5	6	9	7.5	14.1
18-May-07	11	13	13	14	15	13	13	15	12	13	13	15	13	12	13	14	16	15	21	24	24	24	20	17	4.2	24.3
19-May-07	22	22	18	18	18	14	13	12	9	7	5	9	10	6	5	8	1	7	7	6	9	12	12	12	3.0	22.3
20-May-07	17	16	15	10	12	12	10	12	13	15	12	11	14	7	6	7	8	8	7	7	8	10	8	11	10.6	17.1
21-May-07	16	14	8	12	11	10	11	12	12	12	11	16	15	24	23	22	21	21	19	17	19	19	20	18	14.2	23.7
22-May-07	16	12	13	18	16	17	16	18	21	22	22	23	21	18	21	15	9	12	7	5	7	7	8	10	14.6	23.5
23-May-07	8	3	5	5	3	6	13	17	17	13	14	12	14	11	8	10	9	11	8	10	8	8	8	7	6.9	17.3
24-May-07	13	11	1	5	6	8	5	4	5	12	18	18	16	15	16	16	15	14	9	10	9	6	9	10	8.3	18.3
25-May-07	3	6	6	8	9	8	7	5	6	6	8	12	7	19	13	8	6	5	6	9	9	10	7	5	3.4	19.3
26-May-07	5	2	8	9	8	8	11	16	14	13	12	13	11	10	9	7	9	9	10	10	13	11	11	18	10.3	17.9
27-May-07	17	19	21	18	15	9	10	21	21	21	21	19	12	13	13	17	15	13	7	6	18	23	22	22	15.4	23.3
28-May-07	18	16	15	8	12	11	12	16	15	19	17	12	3	3	8	7	7	10	4	7	7	7	12	14	7.5	18.6
29-May-07	11	13	14	14	13	12	13	16	20	21	21	18	17	16	16	17	15	13	13	10	7	5	7	7	12.8	21.1
30-May-07	6	5	4	3	5	5	4	4	7	10	11	9	9	9	6	5	4	7	9	12	10	8	10	10	6.0	11.6
31-May-07	9	10	7	7	5	6	5	5	9	8	11	12	10	10	10	8	8	10	10	9	4	5	4	7	7.9	12.4
1-hr Vector	2.4	2.5	2.2	1.5	1.0	0.6	1.3	2.5	2.7	3.8	3.5	2.9	3.3	3.8	3.4	3.6	2.5	1.7	0.7	0.7	0.6	1.5	1.9	2.0		
Hourly Max	24.4	26.5	23.6	18.6	18.4	17.3	16.1	21.2	28.0	26.4	22.4	31.0	22.8	26.7	23.3	22.6	24.1	22.4	31.3	24.3	23.5	23.8	22.5	23.9		

PAS - Crescent Heights - Wind Direction Monthly Summary

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Calm Time:	0 hrs	**0%** calms		Operational Time:		744 hrs		
Calibration Time:	0 hrs			AMD Operational Uptime:		100.0%		
Percentile	99	95	75	50	25	5	1	Average
	358.7	349.8	259.9	205.5	91.9	10.9	3.6	275 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-May-07	100	101	101	92	79	88	91	94	82	76	196	169	183	161	163	166	163	160	159	158	133	28	115	115	128	SE
2-May-07	72	121	55	358	359	18	41	247	27	230	294	359	68	355	10	4	11	315	218	268	338	120	221	274	334	NNW
3-May-07	205	214	140	143	159	219	299	320	349	270	301	264	233	208	233	260	266	248	257	256	259	261	260	264	256	WSW
4-May-07	245	264	263	258	260	242	249	254	272	268	246	233	242	247	257	242	243	263	250	256	190	183	196	203	243	WSW
5-May-07	205	218	248	218	195	201	211	208	224	224	229	246	246	248	254	245	225	242	266	271	262	263	271	279	235	SW
6-May-07	279	275	163	300	294	259	271	311	330	339	337	338	327	310	300	304	251	234	239	185	161	164	214	240	286	WNW
7-May-07	240	241	265	205	168	220	225	224	220	217	242	252	242	242	228	236	246	241	258	253	260	247	233	231	236	SW
8-May-07	230	229	235	234	223	216	213	251	274	271	252	252	257	249	253	252	253	248	227	200	196	195	195	199	238	WSW
9-May-07	210	208	212	230	267	278	304	330	349	339	342	345	346	356	353	359	6	15	18	28	37	48	66	78	351	N
10-May-07	92	88	85	86	63	77	93	98	95	91	95	109	136	148	164	142	152	183	172	162	160	142	55	33	109	ESE
11-May-07	55	51	40	33	52	65	89	190	15	60	128	158	167	227	211	227	60	356	50	54	64	110	115	127	96	E
12-May-07	239	239	252	203	171	185	222	206	219	234	226	230	222	201	203	218	274	348	4	9	6	26	33	25	244	WSW
13-May-07	7	18	30	9	2	37	36	46	40	19	10	359	15	8	21	18	19	9	20	44	308	333	349	353	16	NNE
14-May-07	340	341	347	336	343	350	331	324	307	285	296	279	279	281	344	305	227	238	245	236	285	360	181	223	302	WNW
15-May-07	217	230	219	131	121	75	45	84	226	230	10	103	88	47	21	28	30	53	66	69	65	112	108	111	75	ENE
16-May-07	108	113	85	55	21	125	143	205	170	160	174	175	178	187	174	176	193	205	201	179	181	189	186	206	178	S
17-May-07	214	259	245	233	233	205	305	236	218	236	172	157	171	217	232	245	249	259	259	282	224	151	180	226	228	SW
18-May-07	233	235	226	236	240	255	278	285	286	289	309	323	324	345	349	5	18	40	45	61	79	96	96	91	351	N
19-May-07	75	84	94	108	101	80	67	77	63	263	252	273	296	273	233	231	180	177	157	187	243	217	243	243	132	SE
20-May-07	275	274	264	266	231	236	237	260	269	295	292	263	228	274	243	261	222	221	230	255	228	216	246	296	256	WSW
21-May-07	334	350	353	60	74	70	55	70	71	59	39	19	8	10	6	11	5	7	3	358	359	359	358	356	15	NNE
22-May-07	351	338	335	342	350	351	355	359	7	7	15	3	353	5	28	36	4	28	28	348	340	2	351	340	1	N
23-May-07	339	345	310	330	9	326	343	352	346	345	333	345	353	353	353	10	350	30	9	115	161	82	105	169	359	N
24-May-07	199	200	141	50	48	88	125	152	85	117	111	118	112	110	96	91	95	95	80	73	40	7	32	23	98	E
25-May-07	96	11	7	4	11	74	107	107	110	68	100	107	202	229	219	214	148	5	79	69	131	125	138	130	114	ESE
26-May-07	121	121	210	179	191	203	194	192	189	190	197	198	207	199	207	217	177	166	167	161	161	166	178	178	185	S
27-May-07	178	189	196	193	197	217	217	210	206	211	214	233	255	248	254	241	250	251	259	247	204	207	204	197	215	SW
28-May-07	199	210	226	253	283	280	315	324	319	326	329	323	300	268	220	262	323	53	348	345	325	324	316	325	299	WNW
29-May-07	317	315	308	312	317	313	322	345	358	0	356	351	353	353	343	346	3	7	32	20	39	28	360	1	347	NNW
30-May-07	356	338	337	345	24	356	14	56	44	42	24	62	86	96	99	75	75	85	95	94	101	101	80	78	64	ENE
31-May-07	81	85	109	107	117	121	110	100	66	50	67	89	92	85	57	90	84	59	79	88	92	116	135	109	87	E
Hourly Avg	236	245	247	264	309	295	313	275	321	299	300	284	272	278	275	277	282	318	292	84	122	140	185	228		

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

Station: Crescent Heights
Station Owner: PAS

HOURLY AVERAGE TABLE

Wind Direction (WD)

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

Summary

Determined by the Yamartino 15-min interval calculation

Calm Time:	0 hrs	**0%** calms	Operational Time: 744 hrs
Calibration Time:	0 hrs		AMD Operational Uptime: 100.0%

Percentile	99	95	75	50	25	5	1
	57.3	42.1	19.1	11.2	7.6	5.0	4.1

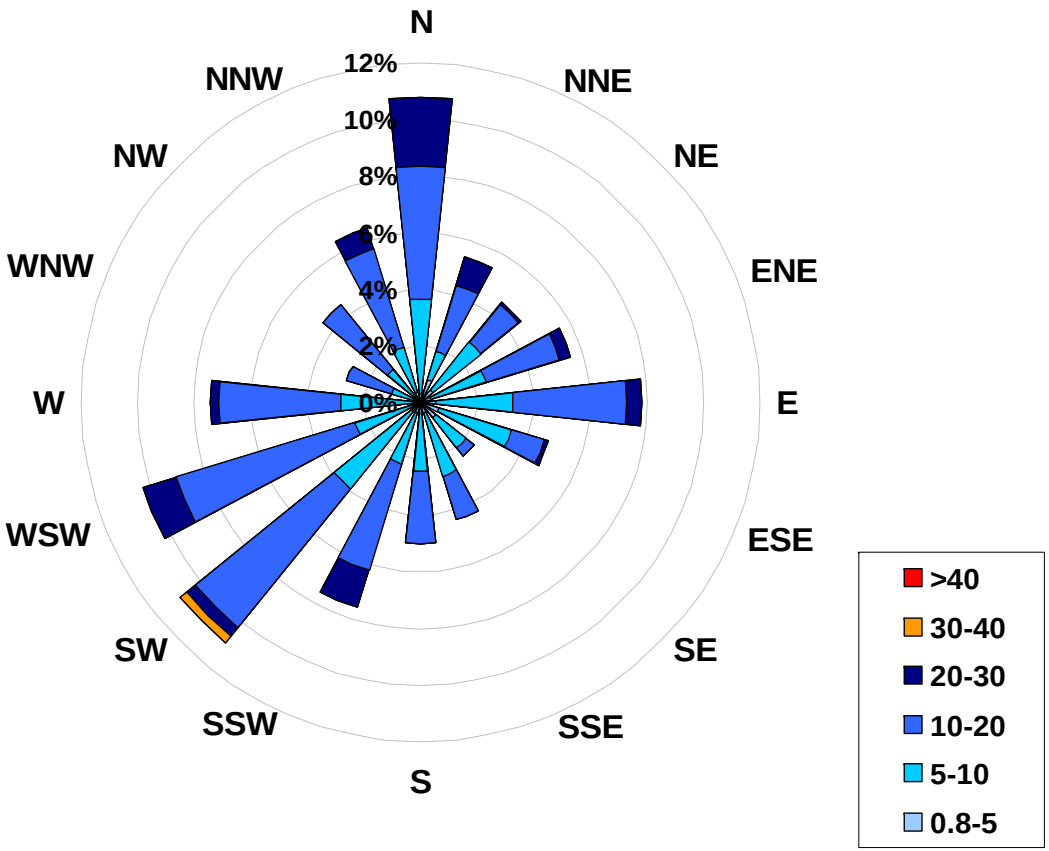
Status Flag Characters

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

Day **Mountain Standard Time**

Hour Start / 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-May-07	6	6	6	5	4	6	8	9	26	37	47	22	25	16	12	10	11	8	10	8	15	51	46	24	51.5
2-May-07	51	43	72	36	29	50	48	32	39	46	26	40	35	30	26	42	16	22	9	13	8	28	13	37	71.7
3-May-07	33	45	36	19	16	52	29	14	11	18	16	19	30	28	7	6	6	8	5	7	5	6	7	7	52.3
4-May-07	8	8	8	7	7	9	8	10	11	8	8	7	10	10	9	10	10	9	9	8	11	7	6	5	11.3
5-May-07	5	6	18	13	22	29	8	8	10	10	12	18	18	38	27	16	32	21	23	12	10	7	6	5	38.3
6-May-07	5	9	49	45	23	16	16	22	17	15	18	19	18	22	21	22	23	19	16	31	12	22	12	8	48.8
7-May-07	7	7	7	19	16	6	7	8	11	10	17	20	24	20	10	9	9	7	9	9	8	10	8	4	23.7
8-May-07	8	6	4	7	4	8	10	8	9	8	12	10	11	12	10	11	10	11	10	7	11	8	8	9	11.9
9-May-07	14	4	4	12	33	12	10	13	7	8	10	10	11	9	10	11	10	8	7	6	8	5	9	6	32.8
10-May-07	7	8	8	9	6	7	8	11	8	10	9	7	28	23	9	18	18	21	27	11	17	30	22	10	29.7
11-May-07	8	9	33	14	18	16	16	59	39	38	56	46	36	26	47	53	78	27	14	4	4	11	5	21	78.1
12-May-07	15	26	43	52	20	7	18	9	12	11	12	13	26	20	55	42	33	13	7	8	7	12	7	6	54.7
13-May-07	7	5	6	27	15	5	9	8	9	10	6	12	6	4	6	9	9	7	8	8	19	8	6	6	27.2
14-May-07	8	6	6	7	6	5	12	11	38	35	18	15	14	12	23	28	20	20	15	6	18	14	18	8	38.1
15-May-07	10	7	13	27	59	41	18	22	52	37	47	41	38	29	42	31	32	25	10	5	4	12	9	12	58.8
16-May-07	11	31	21	8	11	33	34	37	12	11	12	11	11	12	12	10	12	13	9	8	8	8	8	6	36.9
17-May-07	5	26	10	6	13	21	44	18	12	24	70	48	37	19	18	17	12	11	10	18	34	19	10	8	69.8
18-May-07	10	7	7	9	9	10	11	10	15	15	17	13	18	21	18	16	14	13	7	5	6	7	8	9	20.9
19-May-07	6	7	6	7	6	7	9	11	20	37	46	16	19	33	47	30	68	30	15	14	20	11	12	12	68.2
20-May-07	7	7	7	12	12	7	12	12	13	14	17	25	18	43	35	43	30	24	14	21	51	32	22	30	51.4
21-May-07	7	8	8	9	8	10	9	7	10	11	11	6	6	5	4	5	5	5	5	4	5	4	4	5	10.9
22-May-07	5	8	7	4	5	4	5	5	5	5	8	7	7	5	11	13	15	10	11	8	5	15	5	4	15.0
23-May-07	4	20	12	13	21	17	10	7	11	12	11	18	13	16	30	18	20	12	8	17	15	9	10	13	30.3
24-May-07	9	13	59	36	12	10	25	33	19	8	7	8	6	9	8	8	10	9	12	8	8	9	7	34	59.1
25-May-07	39	10	4	4	5	9	18	24	17	29	22	18	23	8	10	26	30	21	21	6	14	9	10	18	39.5
26-May-07	11	27	13	9	12	19	10	9	13	16	20	17	25	27	36	44	30	17	12	9	7	9	13	7	44.1
27-May-07	8	7	6	6	6	12	11	6	9	11	11	12	13	17	14	11	9	8	11	15	12	7	7	6	17.2
28-May-07	6	7	8	18	10	11	10	6	7	6	7	8	28	39	25	30	22	9	59	9	8	12	9	5	58.9
29-May-07	7	8	8	7	7	7	7	5	6	4	5	6	6	7	8	8	10	11	12	8	5	5	4	4	12.1
30-May-07	6	18	13	34	17	16	11	19	13	16	13	19	20	16	34	32	35	23	13	10	8	7	6	6	35.0
31-May-07	7	6	9	6	8	13	17	28	15	17	18	18	22	20	14	23	29	18	12	7	15	10	16	3	28.7
Hourly Max	51	45	72	52	59	52	48	59	52	46	70	48	38	43	55	53	78	30	59	31	51	51	46	37	

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



Calms:	0%

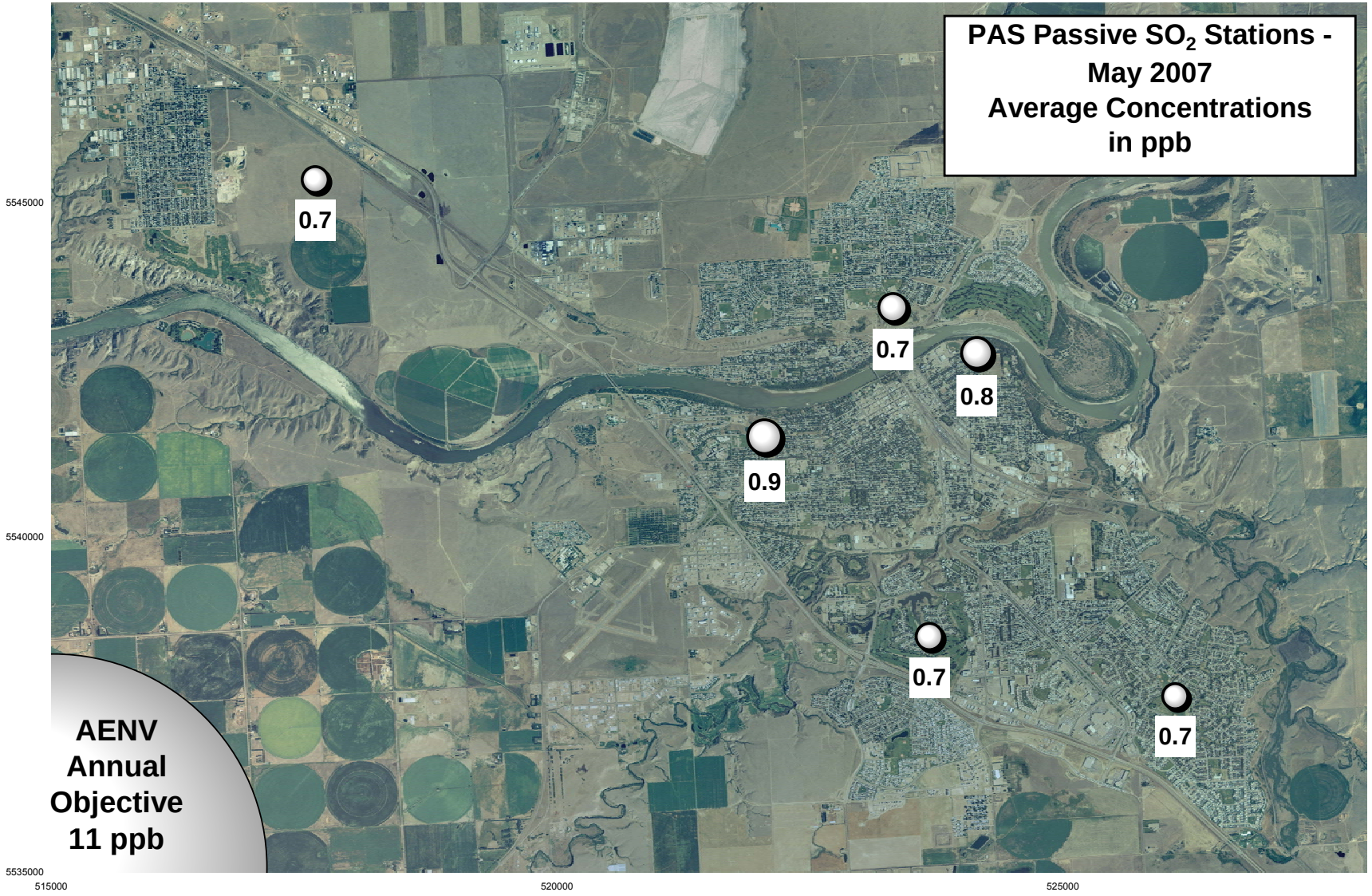
Frequency Distribution of Wind in km/hr			
Range			Frequency (hrs)
0.8	<	5	49
5	to	10	251
10	to	20	377
20	to	30	65
30	to	40	2
	>	40	0
Total Non-Zero Values			744

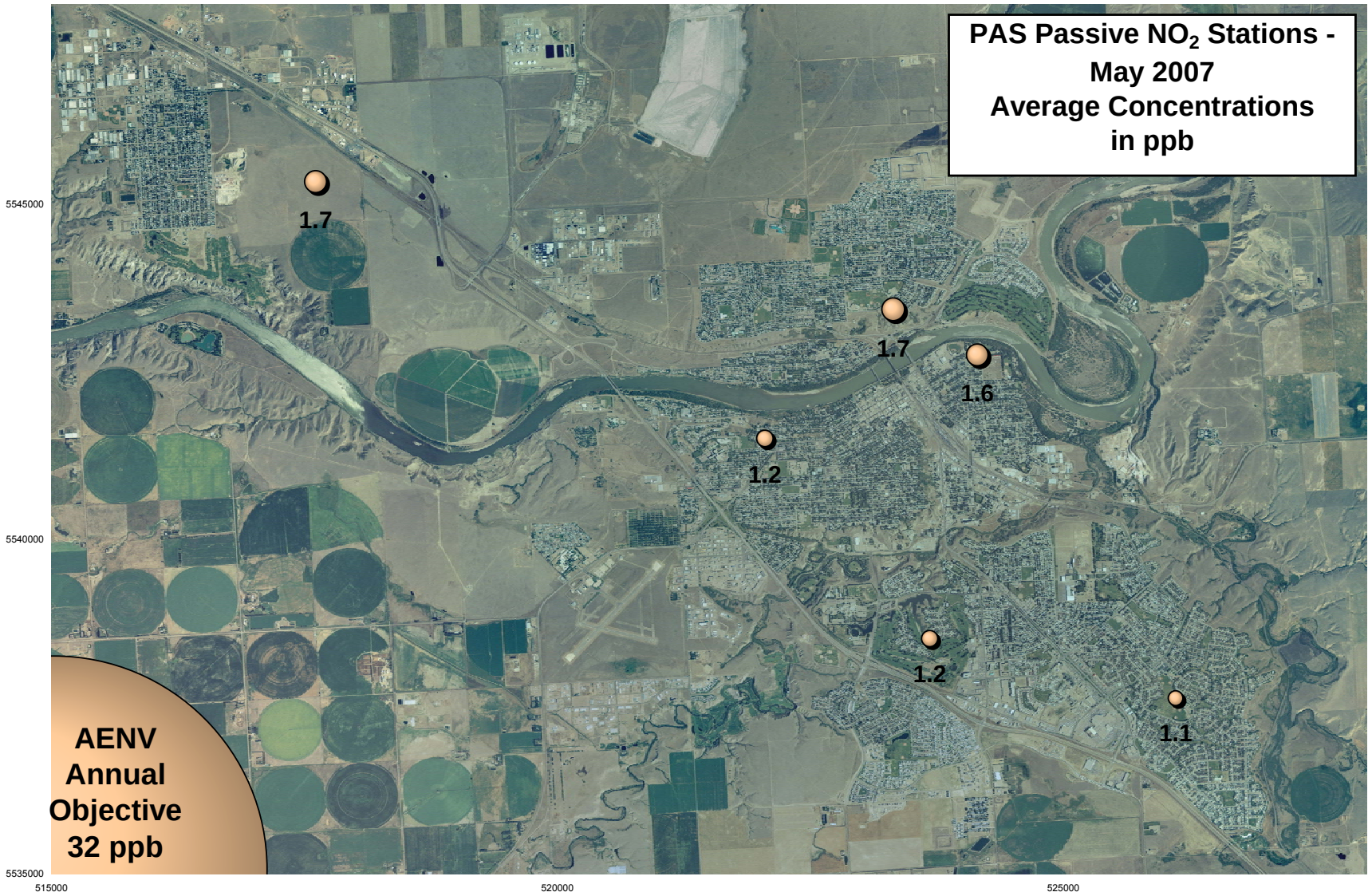
Passive Monitoring – May 2007

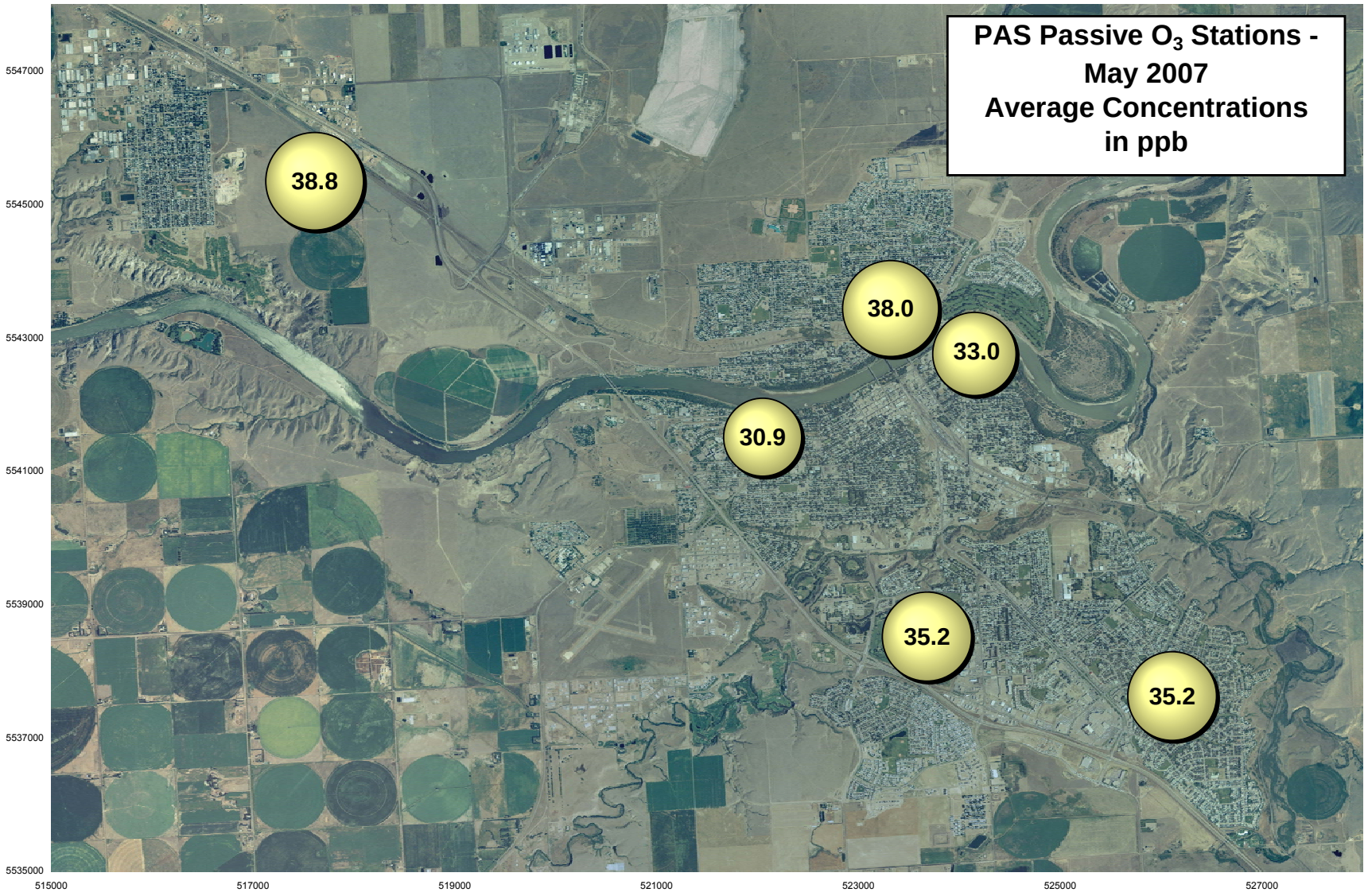
Station Number	Station Name	SO_2 ppb	O_3 ppb	NO_2 ppb	Location Easting	Northing	Elevation
Duplicates							
2a	Ball Park	**0.8**	**33.5**	**1.4**			
2b	Ball Park	**0.8**	**32.5**	**1.9**			
1	Hospital	**0.9**	**30.9**	**1.2**	521648	5542721	698
2	Ball Park	**0.8**	**33.0**	**1.6**	524019	5543686	660
3	Monitoring Station	**0.7**	**38.0**	**1.7**	522812	5544133	714
4	Redcliff	**0.7**	**38.8**	**1.7**	517448	5545608	725
5	Southridge	**0.7**	**35.2**	**1.2**	523172	5539016	721
6	Christian School Park	**0.7**	**35.2**	**1.1**	526577	5538133	709

Stats:

Mean	**0.7**	**35.2**	**1.4**		
Standard Deviation	**0.1**	**3.0**	**0.3**		
Minimum	**0.7**			**6**	**Christian School Park**
Maximum	**0.9**			**1**	**Hospital**
Minimum		**30.9**		**1**	**Hospital**
Maximum		**38.8**		**4**	**Redcliff**
Minimum			**1.1**	**6**	**Christian School Park**
Maximum			**1.7**	**3**	**Monitoring Station**


PAS Passive SO_2 Stations - May 2007
Average Concentrations in ppb
0.7
0.7
0.8
0.9
0.7
0.7
AENV Annual Objective 11 ppb
5545000
5540000
5535000
515000
520000
525000


PAS Passive NO_2 Stations - May 2007
Average Concentrations in ppb
1.7
1.7
1.6
1.2
1.2
1.1
AENV Annual Objective 32 ppb
5545000
5540000
5535000
515000
520000
525000


PAS Passive O_3 Stations - May 2007 Average Concentrations in ppb
38.8
38.0
33.0
30.9
35.2
35.2
5547000
5545000
5543000
5541000
5539000
5537000
5535000
515000
517000
519000
521000
523000
525000
527000

Palliser Airshed Society
May 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	May 24, 2007	Previous Calibration	April 26, 2007
Station Number	101	Station Location	Crescent Heights
Reason: Routine	Calibration	Removal	Other:
Start Time (MST)	9:13	End Time (MST)	14:50
Barometric Pressure	27.3 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	1.144083	Calculated slope	0.995368
Calculated intercept	0.679030	Calculated intercept	3.419002
Analyzer make	API Model 400E	Analyzer serial #	331

	before		after	
Concentration range	0 - 500	ppb	0 - 500	ppb
Offset	-9.7	ppb	-11	ppb
Slope	0.946		0.999	
Lamp measure	4833.3	mV	4733.5	mV
Lamp Reference	4834.2	mV	4734.1	mV
Pressure	26.5	inches Hg	26.1	inches Hg
Sample Flow	680	ccm	671	ccm
Sample temp	39.8	Deg C	40.0	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)
4989	0.0	0.0	-3.6	N/A
4989	300.0	283.5	282.1	1.0049
4989	200.0	193.7	189.5	1.0219
4989	100.0	102.8	100.9	1.0191
4989	0.0	0.0	-4.0	0.0000
4989	300.0	283.5	261.4	1.0844
			Average Correction Factor	1.0153

Calculated value of As Found Response: 304.4 ppm Percent Change of As Found: 7.4%

	before calibration		after calibration	
Auto zero	-3.2	ppb	-1.3	ppb
Auto span	401.1	ppb	366.9	ppb

Notes: Zero and span adjustments performed.

Calibration Performed By: Travis Mehrer

Calibration Summary

FOCUS AIR QUALITY MONITORING

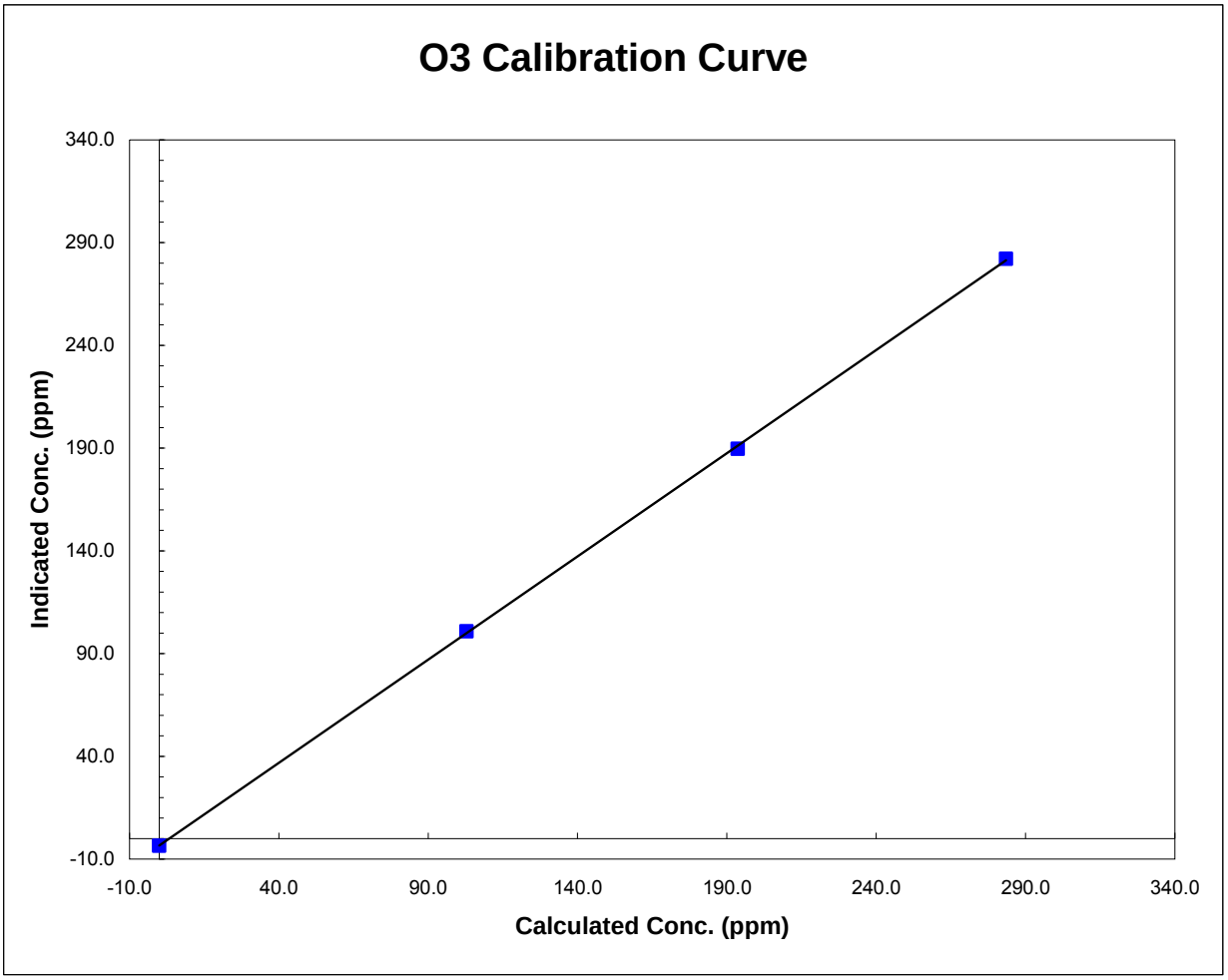
Parameter	O3
Air Monitoring Network	Palliser Airshed

Station Information

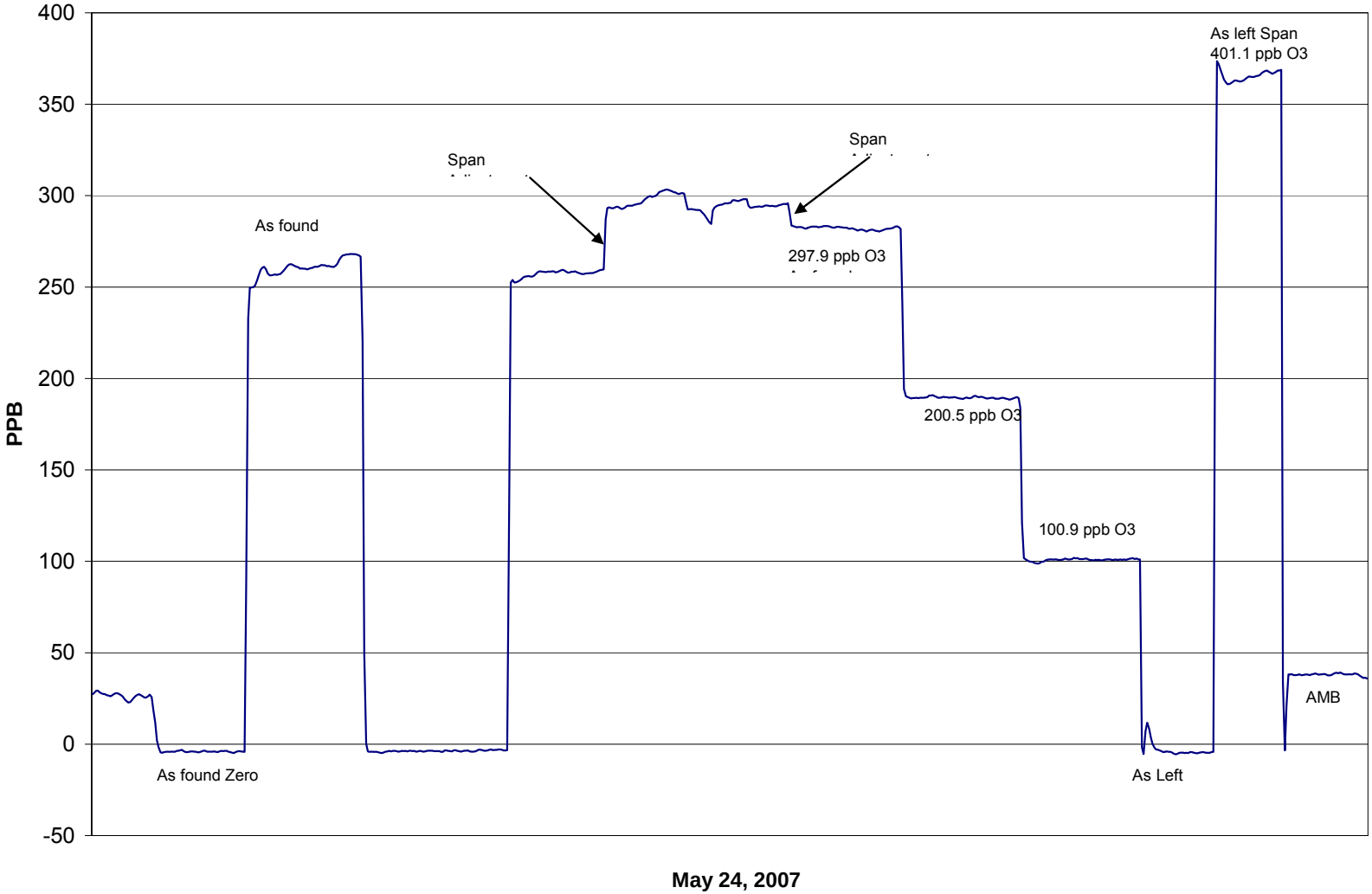
Calibration Date	May 24, 2007	Previous Calibration	April 26, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	9:13	End Time (MST)	14:50
Analyzer make/model	API Model 400E	Analyzer serial #	331

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
283.5	282.1	1.0049		
193.7	189.5	1.0219	Correlation Coefficient	0.999906
102.8	100.9	1.0191		
0.0	-3.6	N/A	Slope	0.995368
			Intercept	3.419002



O3 Calibration



May 24, 2007

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	May 23, 2007	Previous Calibration	April 25, 2007
Station Number	101	Station Location	Crescent Heights

Reason: Routine | Installation | Removal | Other:

Start Time (MST)	9:37		End Time (MST)	17:00	
Barometric Pressure	27.3	inches Hg	Station Temperature	22.0	Deg C
Calibrator	Environics 6100		Serial Number	3474	
NO Cal Gas Conc	49.9	ppm	Cal Gas Expiry Date	5-Dec-07	
NOx Cal Gas Conc	49.9	ppm	Cal Gas Serial #	LL-50114	

DACS Information

DACS make	FOCUS AP1000	DACS serial No.	45270

Parameter		NO2	NOx	NO
Before	Data Slope	1.005524	1.006455	1.007691
	Data Offset	1.578806	3.058387	3.358760
After	Data Slope	0.998797	1.003057	1.005246
	Data Offset	1.110046	1.222638	2.690093
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	2.045		2.079	
NOx coefficient	2.093		2.122	
Chamber Temp	50.0	Deg C	49.9	Deg C
Cooler Temp	7.1	Deg C	7.0	Deg C
Azero	41.5		42.4	
Perm Temp	40.0	Deg C	40.3	Deg C
Pressure	4.1	inches Hg	4.1	inches Hg
Sample Flow	455.0	ccm	454.0	ccm

Notes: Span was adjusted.

Calibration Report

Parameter **NOx-NO-NO_2**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date: May 23, 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	4988	0.00	0.0	0.0	0.0	-2.0	-2.5	-1.9	N/A	N/A
1	4988	39.84	395.4	395.4	0.0	392.4	390.8	0.0	1.0076	1.0117
2	4988	19.92	198.5	198.5	0.0	197.5	194.5	0.8	1.0051	1.0206
3	4988	9.94	99.2	99.2	0.0	98.2	96.0	-0.1	1.0101	1.0335
AFZ	4988	0.00	0.0	0.0	0.0	-2.3	-2.7	-2.0	0.0000	0.0000
AFS	4988	39.84	395.4	395.4	0.0	384.8	387.7	-4.8	1.0277	1.0199
							Average Correction Factor		1.0076	1.0219

As Found Concentrations NO_X= 390.2 NO= 393.8 As Found Percent Change NO_X= -1.3% NO= -0.4%

GPT Calibration Data

Dilution Flow 4988 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	396.6	396.0	0.5	394.2	391.3	-1.9	N/A	N/A	N/A	N/A
300	399.2	296.4	102.9	396.8	292.1	102.8	1.0061	1.0145	1.0004	100.0%
200	400.3	206.4	193.8	397.8	202.7	193.5	1.0061	1.0185	1.0020	99.8%
100	400.7	117.1	283.6	398.3	113.8	282.1	1.0061	1.0289	1.0052	99.5%
					Average Correction Factor		1.0061	1.0206	1.0025	99.7%

AIC Data

	Previous calibration				Current calibration			
Parameter	NOx	NO2	NO		NOx	NO2	NO	
Auto zero	0.8	-0.9	1.3	ppb	-0.7	-1.2	0.3	ppb
Auto span	494.7	484.0	10.7	ppb	476.3	464.6	10.5	ppb

Calibration Performed By: Travis Mehrer

Calibration Summary

Parameter **NO_2**

Air Monitoring Network **Palliser Airshed**

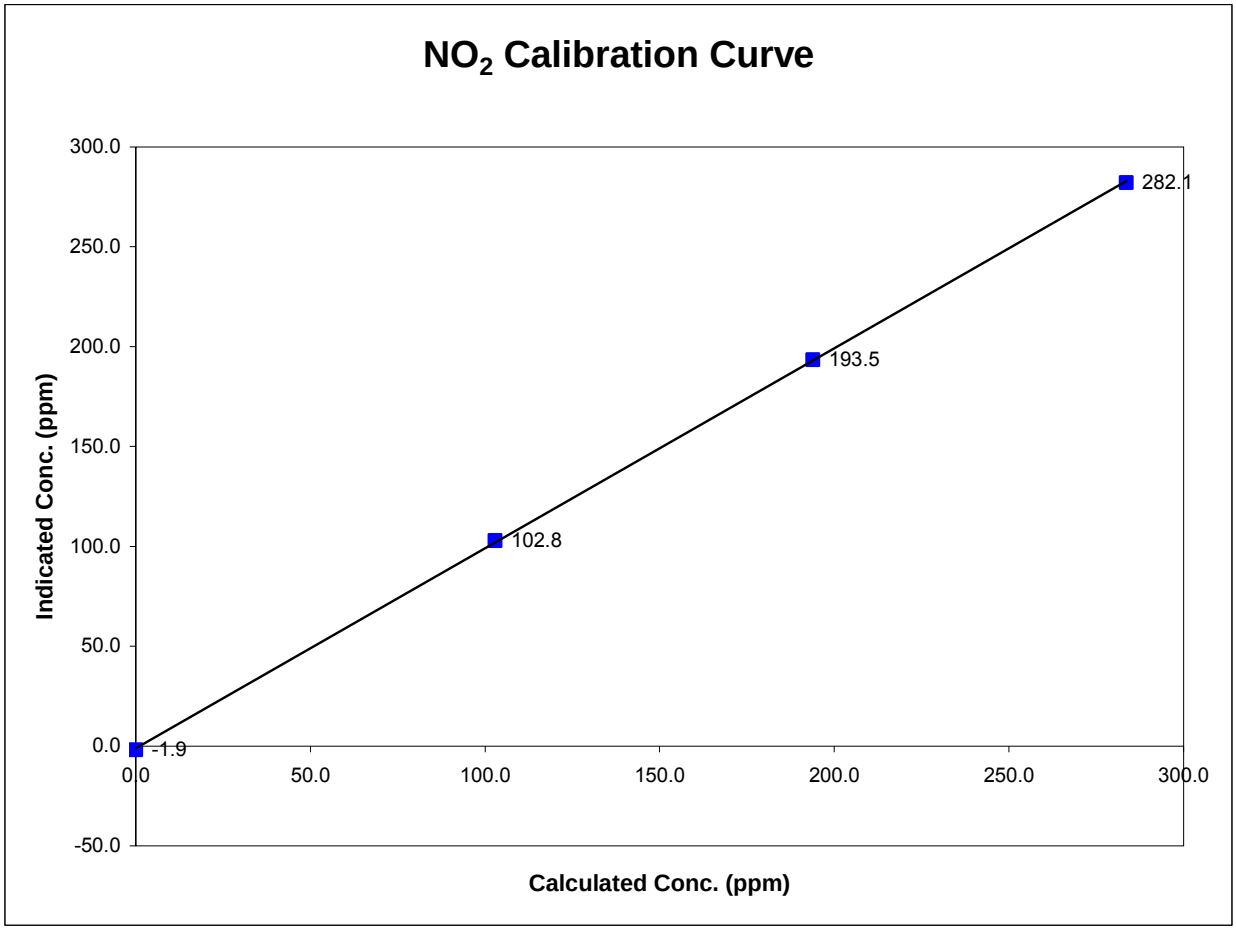
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	May 23, 2007	Previous Calibration	April 25, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	9:37	End Time (MST)	17:00
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	-1.9	0.0000		
102.9	102.8	1.0004	Correlation Coefficient	0.999951
193.8	193.5	1.0020		
283.6	282.1	1.0052	Slope	0.998797
			Intercept	1.110046



Calibration Summary

Parameter **NO_x**

Air Monitoring Network **Palliser Airshed**

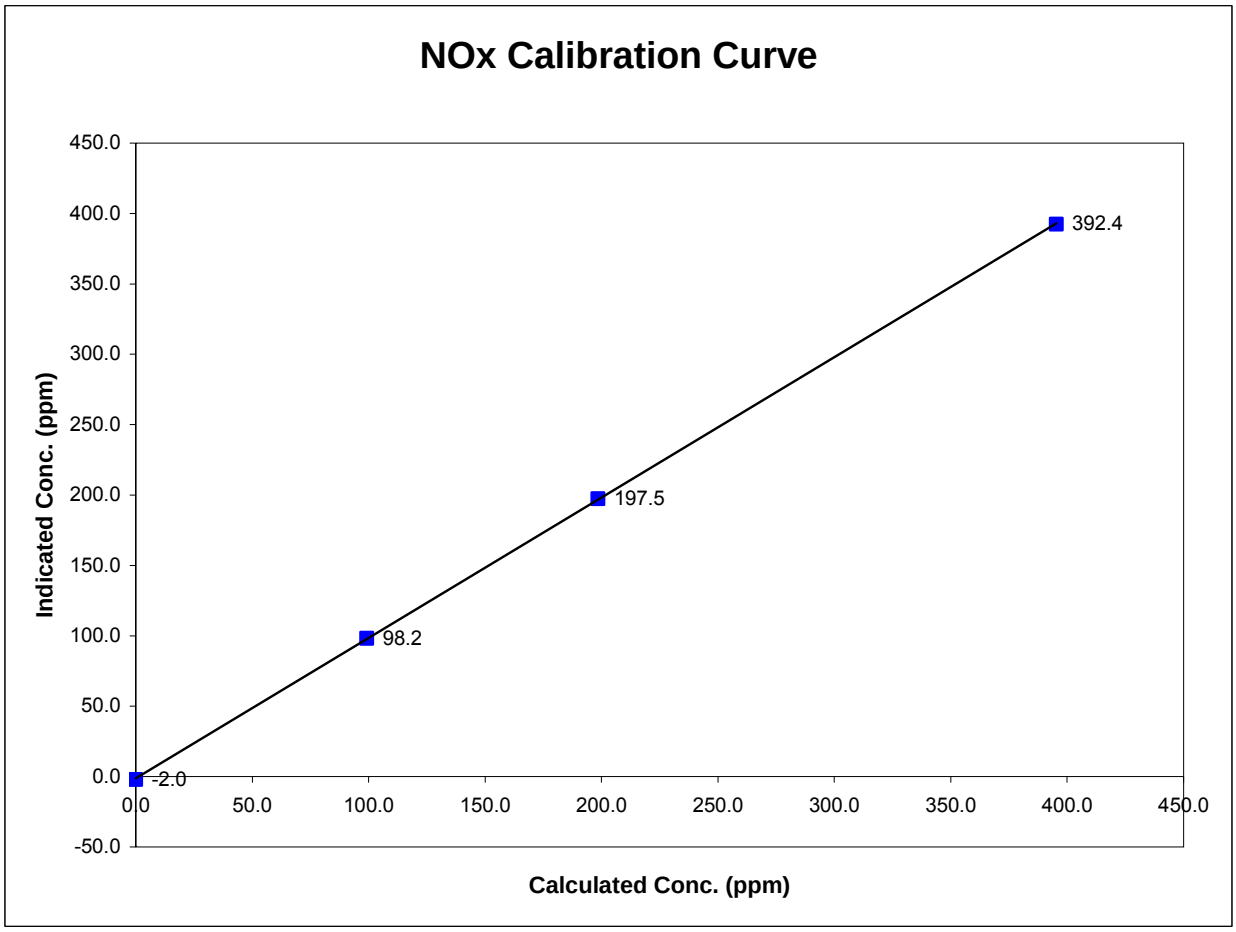
FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	May 23, 2007	Previous Calibration	April 25, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	9:37	End Time (MST)	17:00
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	-2.0	0.0000		
395.4	392.4	1.0076	Correlation Coefficient	0.999978
198.5	197.5	1.0051		
99.2	98.2	1.0101	Slope	1.003057
			Intercept	1.222638



Calibration Summary

Parameter	**NO**
Air Monitoring Network	**Palliser Airshed**

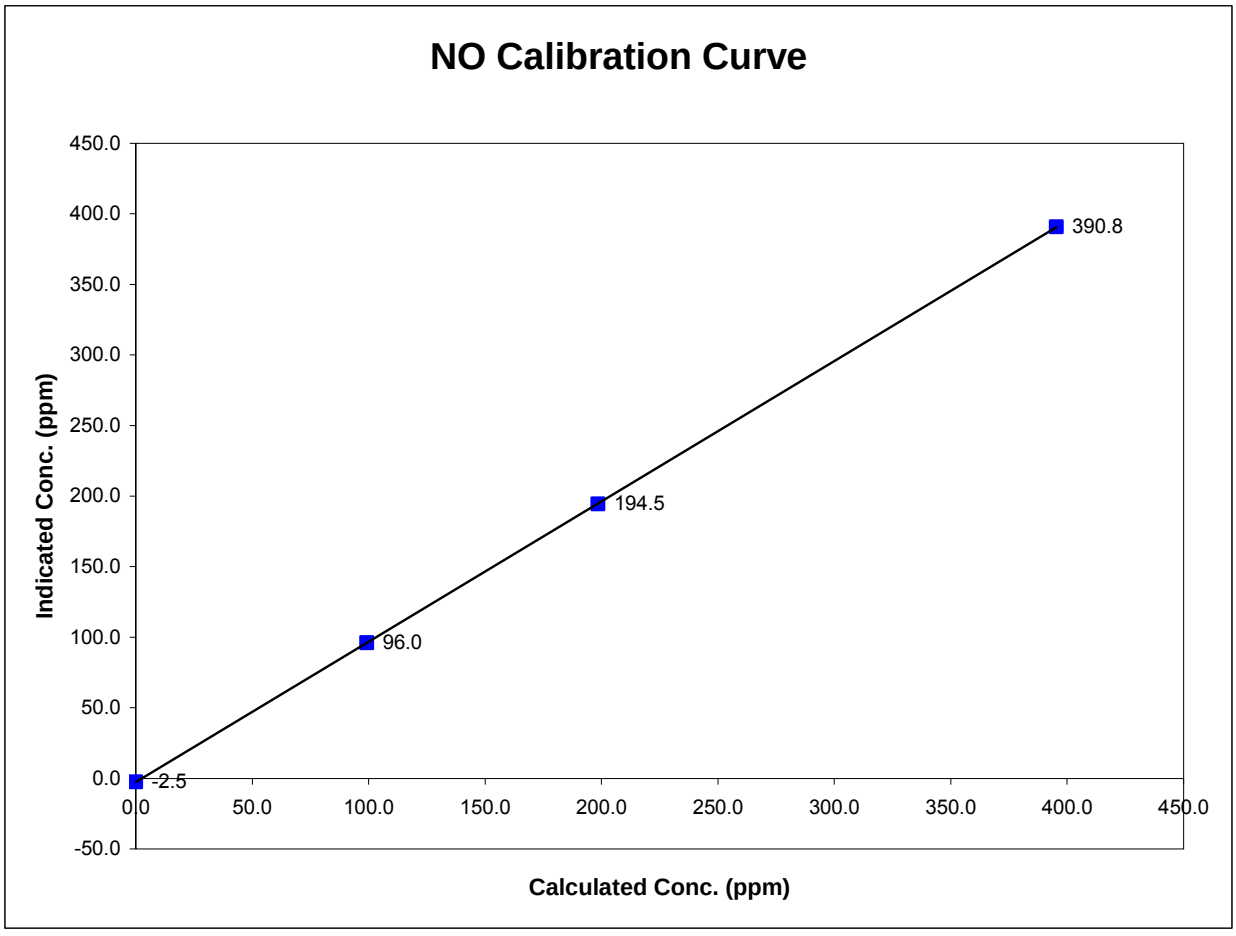
FOCUS AIR QUALITY MONITORING

Station Information

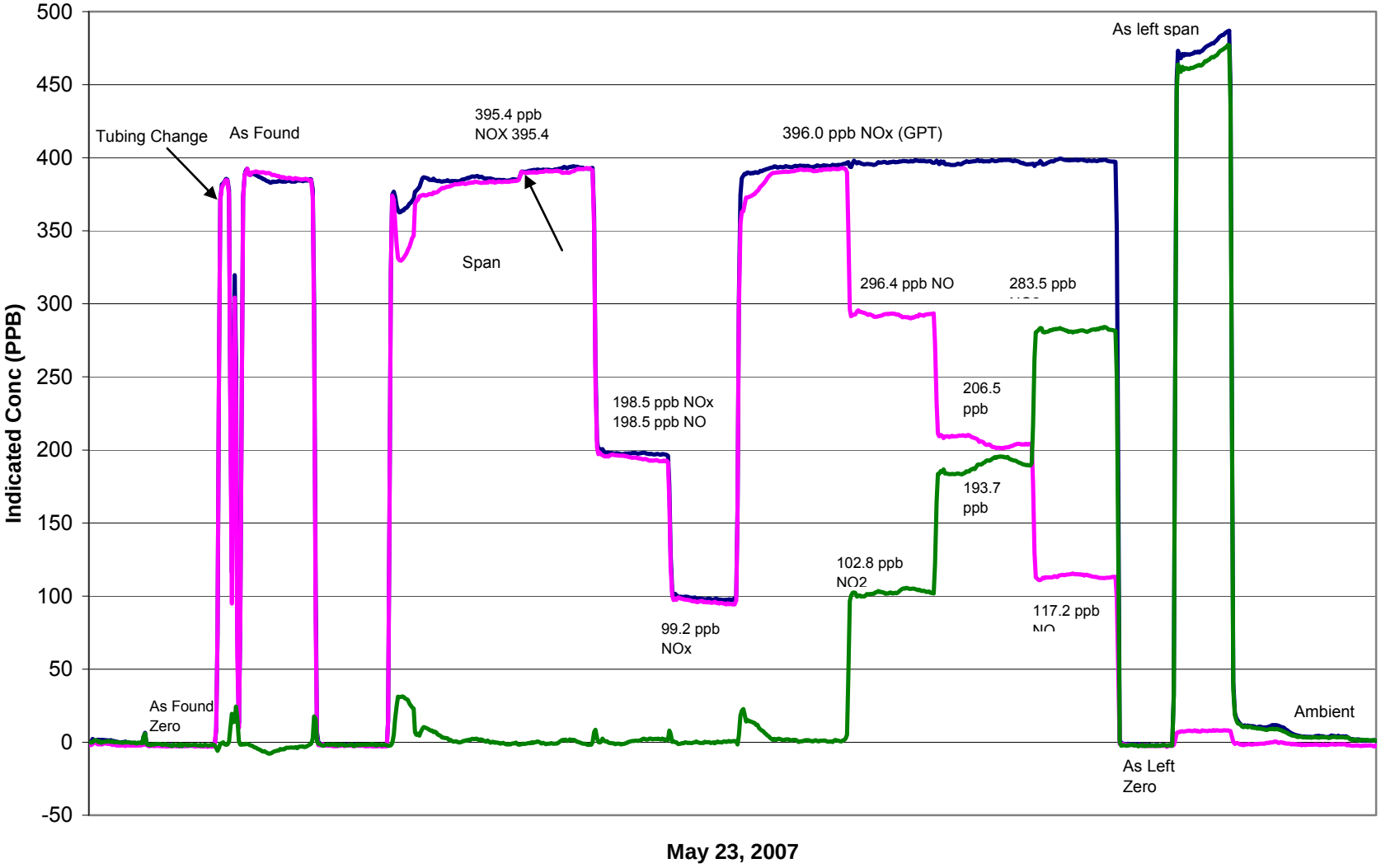
Calibration Date	May 23, 2007	Previous Calibration	April 25, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	9:37	End Time (MST)	17:00
Analyzer make	API Model 200E	Analyzer serial #	219

Calibration Data

Calculated conc (ppb) (Cc)	Indicated concentration (ppb) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.0	-2.5	N/A		
395.4	390.8	1.0117	Correlation Coefficient	0.999998
198.5	194.5	1.0206		
99.2	96.0	1.0335	Slope	1.005246
			Intercept	2.690093



NO_x - NO - NO_2 Calibration



Calibration Report

Parameter **THC**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

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

Reason: Routine | Install | Removal | Other:

Start Time (MST)	15:47	End Time (MST)	18:50
Barometric Pressure	27.3 inches Hg	Station Temperature	22.0 Deg C
Calibrator	Environics 6100	Serial Number	3747
Cal Gas Concentration	700 ppm CH_4 / 301 ppm C_3H_8	Cal Gas Expiry Date	8/28/2005
Cal Gas CH4 equiv	1527.75 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	0.989355	Calculated slope	0.989418
Calculated intercept	0.102238	Calculated intercept	0.070753

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)
4988	0.00	0.00	-0.05	N/A
4988	79.73	24.04	24.27	0.9906
4988	39.84	12.10	12.07	1.0030
4988	9.94	3.04	3.03	1.0035
zero	0.00	0.00	-0.05	As Found Zero
4988	79.77	24.05	24.27	As Found Span
			Average Correction Factor	0.9990

Calculated value of As Found Response: 24.158 ppm Percent Change of As Found: -0.5%

	before calibration		after calibration	
Auto zero	-0.01	ppm	0.06	ppm
Auto span	20.92	ppm	18.50	ppm

Notes: Due to empty span cylinder, a second AIC was started on May 24, 2007.

Calibration Performed By: Travis Mehrer

Calibration Summary

Parameter **THC**

Air Monitoring Network **Palliser Airshed**

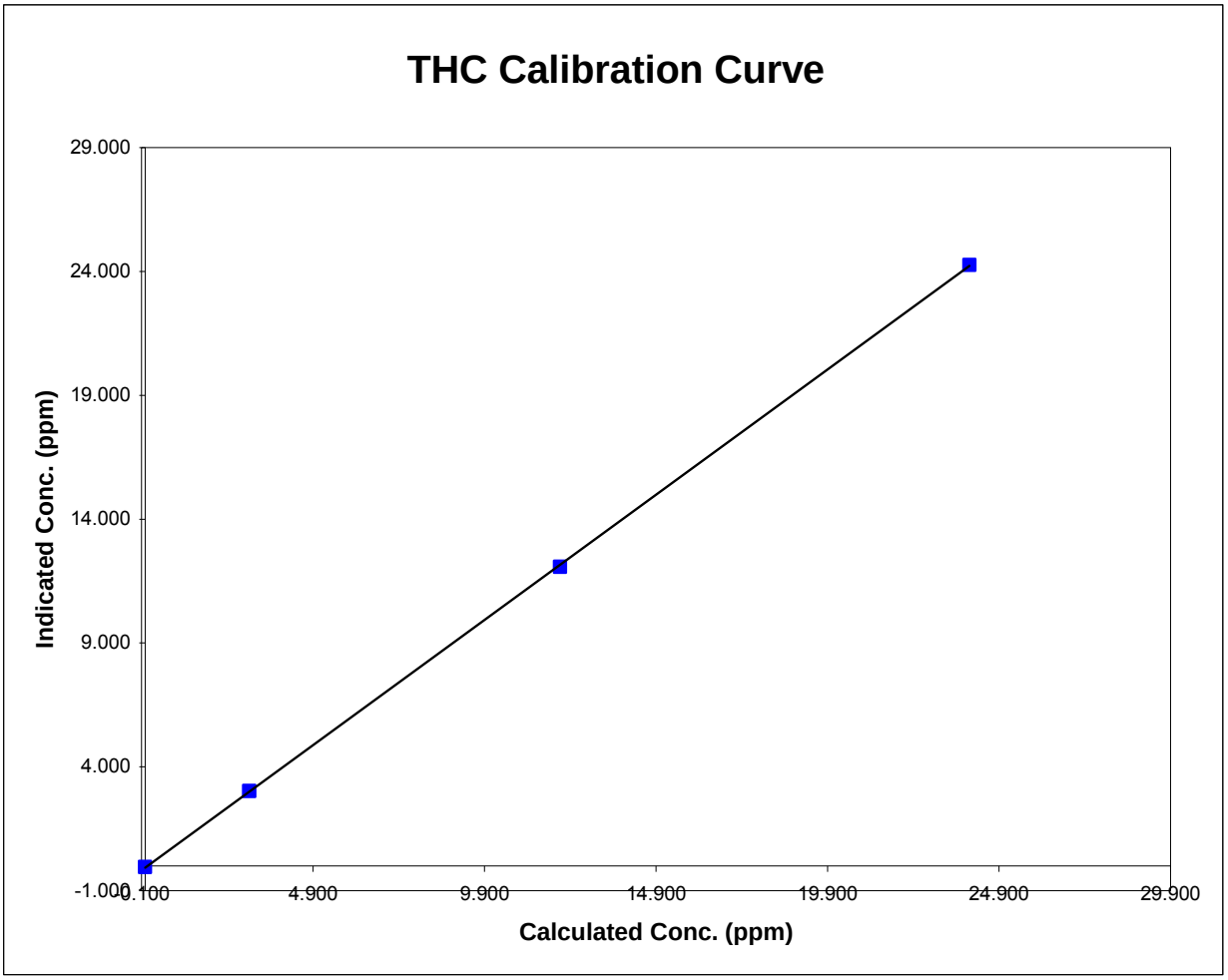
FOCUS AIR QUALITY MONITORING

Station Information

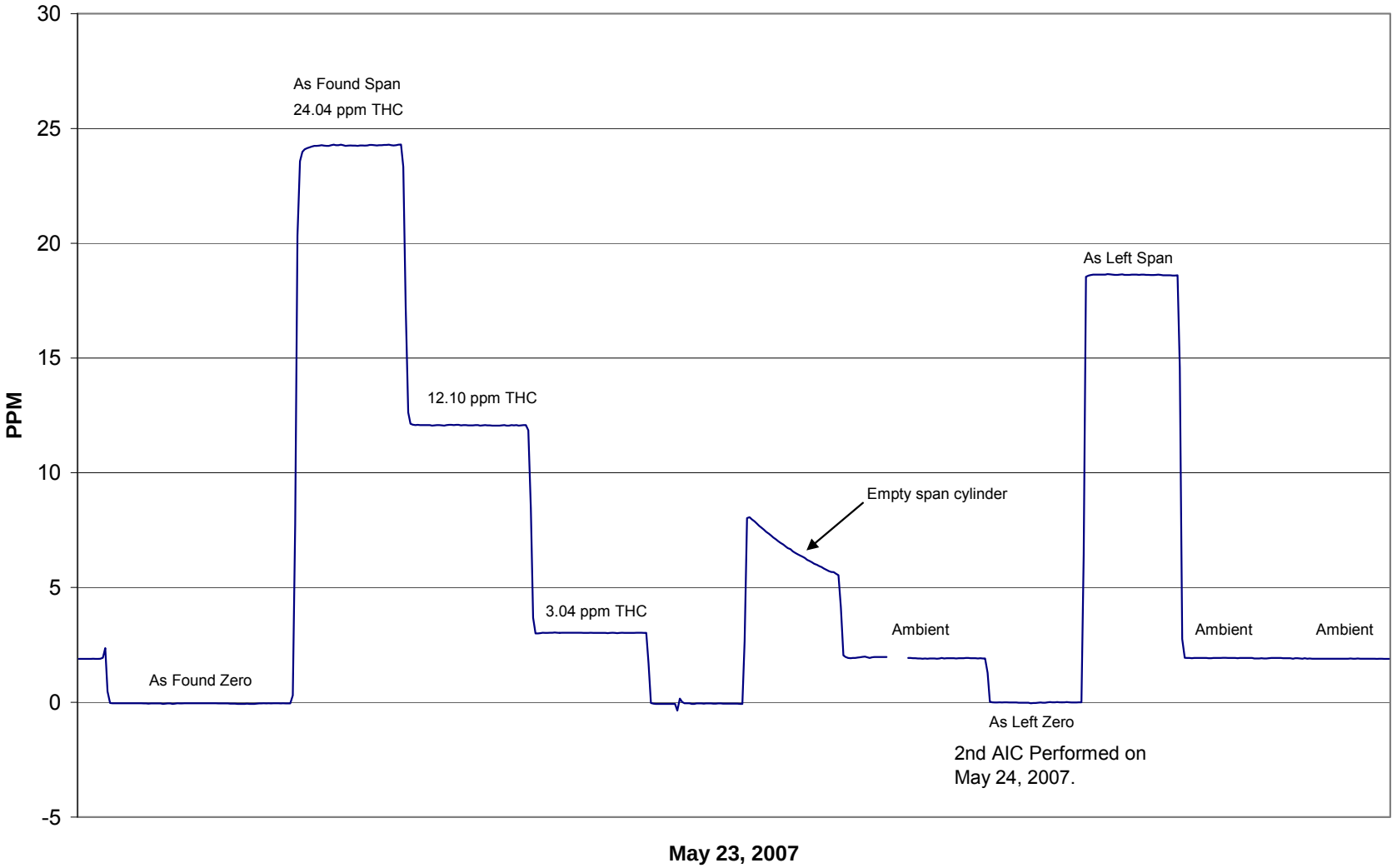
Calibration Date	May 23, 2007	Previous Calibration	April 26, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	15:47	End Time (MST)	18:50
Analyzer make/model	TEI model 51C-LT	Analyzer serial #	407505596

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.000	-0.049	N/A		
24.037	24.266	0.9906	Correlation Coefficient	0.999966
12.105	12.068	1.0030		
3.037	3.027	1.0035	Slope	0.989418
			Intercept	0.070753



THC Calibration



Calibration Report

Parameter: **CO**

Air Monitoring Network: **Palliser**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	May 24, 2007	Previous Calibration	April 26, 2007
Station Number	101	Station Location	Crescent Heights
Reason: Routine	Install	Removal	Other:
Start Time (MST)	14:30	End Time (MST)	17:15
Barometric Pressure	27.32 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	0.999723	Calculated slope	0.992768
Calculated intercept	-0.217297	Calculated intercept	-0.393784
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	0.677		0.675	
Lamp ratio	1.143362		1.142923	
Lamp intensity	199510	Hz	199429	Hz
Sample Flow	1.015	LPM	1.018	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	0.30	N/A
4989	49.84	29.65	30.23	0.9808
4989	19.92	11.92	12.43	0.9589
4989	9.93	5.95	6.49	0.9170
4989	0.00	0.00	0.30	0.0000
4989	49.87	29.67	30.23	0.9813
			Average Correction Factor	0.9522

Calculated value of As Found Response: 29.705 ppm Percent Change of As Found: -0.1%

	before calibration		after calibration	
Auto zero	-0.04	ppm	-0.04	ppm
Auto span	20.81	ppm	20.66	ppm

Notes: No adjustments made.

Calibration Performed By: Travis Mehrer

Calibration Summary

Parameter	CO
Air Monitoring Network	Palliser

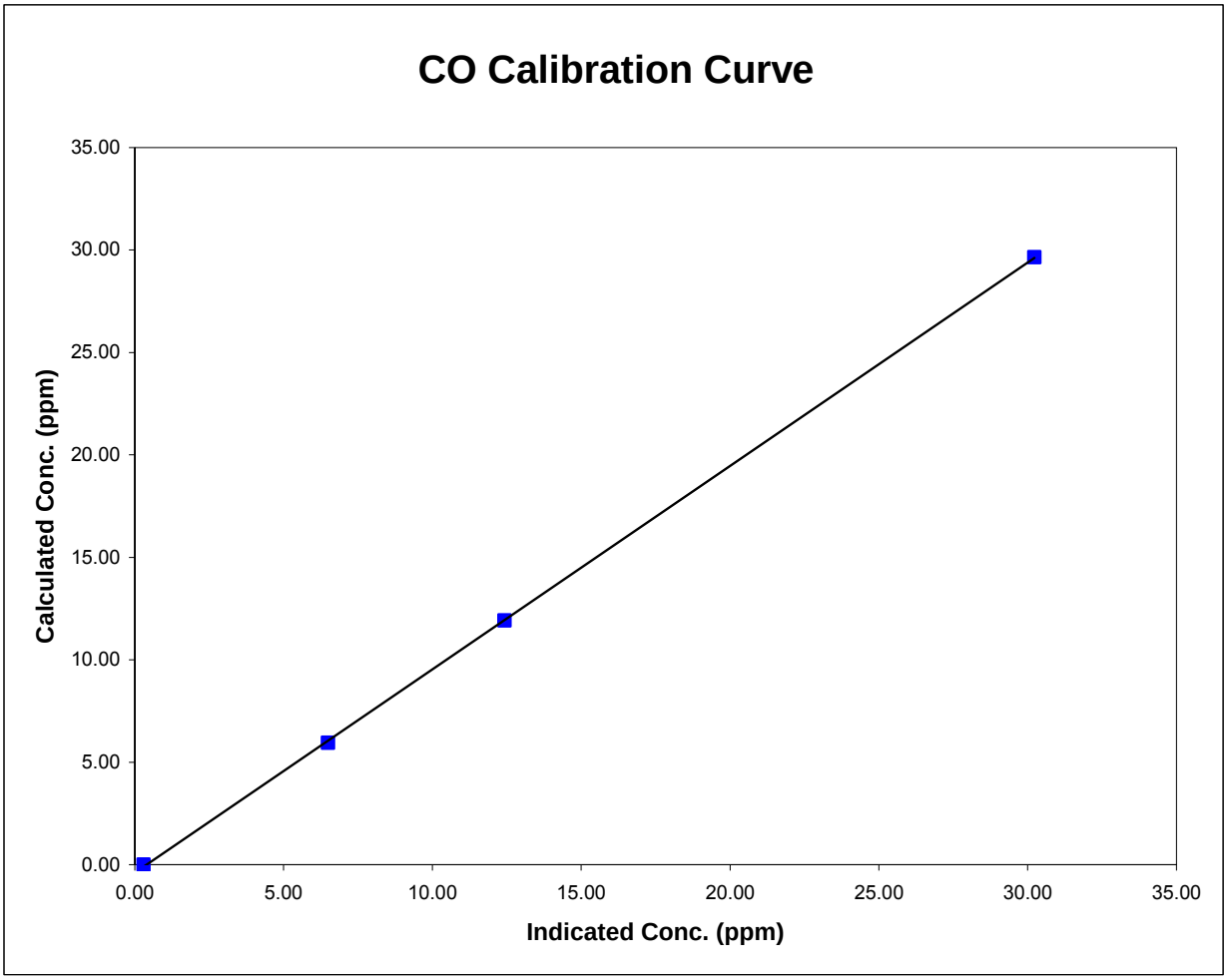
FOCUS AIR QUALITY MONITORING

Station Information

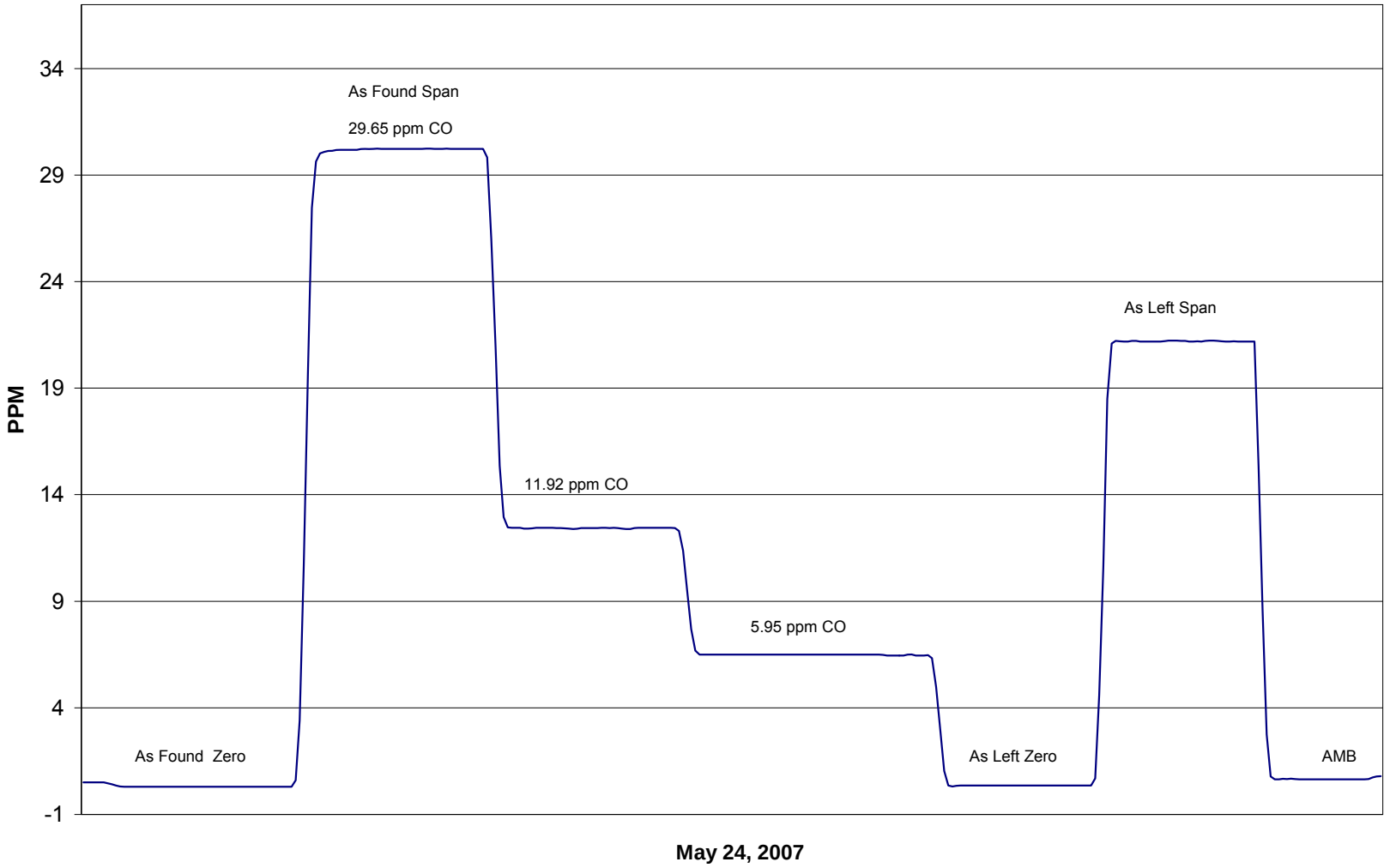
Calibration Date	May 24, 2007	Previous Calibration	April 26, 2007
Station Number	101	Station Location	Crescent Heights
Start Time (MST)	14:30	End Time (MST)	17:15
Analyzer make/model	TEI Model 48C	Analyzer serial #	436609887

Calibration Data

Calculated concentration (ppm) (Cc)	Indicated concentration (ppm) (Ic)	Correction factor (Cc/Ic)	Statistical Evaluation	
0.00	0.30	N/A		
29.65	30.23	0.9808	Correlation Coefficient	0.999959
11.92	12.43	0.9589		
5.95	6.49	0.9170	Slope	0.992768
			Intercept	-0.393784



CO Calibration



Calibration Report

Parameter **PM2.5**

Air Monitoring Network **Palliser Airshed**

FOCUS AIR QUALITY MONITORING

Station Information

Calibration Date	May 24, 2007	Previous Calibration	April 26, 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	2.990	SLPM
Aux Flow Set Point	13.66	SLPM	13.65	SLPM
Filter Load	38%	%	18%	%
Ko Factor	NA		NA	
Temperature	12.1	Deg C	12.1	Deg C
Pressure	0.914	ATM	0.914	ATM

Calibration Data

Parameter	Set Point	TEOM Reading (as found)	Tolerance	TEOM Reading (after adjustments)
zero flow - main	0.0	0.00	0.00	-0.01
zero flow - auxillary	0.0	0.00	0.01	0.00
flow recovery - main	45 - 60 Seconds	35.0	45 - 60 Seconds	35.0
flow recovery - aux	46 - 60 Seconds	41.0	46 - 60 Seconds	45.0
Temperature	measured	18.1	+/- 1.0 Deg C	18.1
Pressure	measured	0.921	+/- 1.5% Δ_{ATM}	0.921
Total Flow	16.67 SLPM	15.94		16.26
Auxiliary flow	13.67 SLPM	13.10	+/- 1.0 SLPM	13.30
Main flow	3.0 SLPM	3.020	+/- 0.2 SLPM	3.083
Leak Check - main	0.0	0.01	<0.15 SLPM	0.00
Leak Check - aux	0.0	-0.01	<0.15 SLPM	0.00
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