

PARKLAND AIRSHED MANAGEMENT ZONE

**CONTINUOUS AMBIENT AIR QUALITY
MONITORING PROGRAM
MONTHLY REPORT**

**MOBILE MONITORING STATION
BENTLEY
NOVEMBER 2005**

Operations and Data Collection by:
RSL Environmental Networks Inc.
Calgary, Alberta

QA/QC, Data Validation and Reporting by:
RSL Environmental Networks Inc.
Calgary, Alberta

December 23, 2005

**Parkland Airshed Management Zone
Station Summary**

AMS 110 (Bentley)
November 2005

Parameter	Calibration Hours	Number of Data	Percent Up Time	Mean	Min	P10	Q1	Median	Q3	P90	Max
SO2 (ppb)	35	615	99.7	0.45	0.0	0.0	0.1	0.3	0.7	1.3	4.0
TRS (ppb)	35	612	99.7	1.06	0.0	0.2	0.4	0.6	1.1	2.6	13.0
O3 (ppb)	34	617	99.8	20.05	1.0	4.1	10.2	21.2	29.0	33.8	47.0
NO (ppb)	39	610	99.5	2.78	0.0	0.0	0.2	0.7	1.9	7.7	50.0
NO2 (ppb)	39	610	99.5	5.70	0.0	0.8	2.4	4.9	8.2	11.7	25.0
NOX (ppb)	39	610	99.5	8.52	0.0	1.1	2.9	6.0	10.6	19.3	74.0
THC (ppm)	34	611	99.7	2.34	1.8	1.9	2.0	2.1	2.4	3.1	5.4
CH4 (ppm)	34	611	99.7	2.16	1.8	1.9	1.9	2.0	2.2	2.7	4.9
NH3 (ppm)	67	606	99.9	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Wind Speed (km/h)	0	668	99.9	8.07	0.0	1.4	3.3	6.3	10.1	17.5	48.0
External Temperature (C)	0	668	99.9	-4.51	-26.4	-17.8	-13.8	-3.3	2.9	8.1	15.8
Global Radiation (W/m2)	0	668	99.9	44.43	0.0	0.0	0.0	0.0	53.8	175.3	335.0
Relative Humidity (%)	0	668	99.9	70.66	28.0	50.3	65.3	74.9	79.7	83.4	88.8

Parkland Airshed Management Zone - Frequency Table
Bentley - SO2 - November 9 2005 00:00 to December 8 2005 00:00

Pollutant Classes (ppb)	Frequency (hours)
2 - 20	50
21 - 30	0
31 - 60	0
61 - 110	0
111 - 170	0
171 - 340	0
> 340	0

Total Number of Valid Data = 50

Bentley - TRS - November 9 2005 00:00 to December 8 2005 00:00

Pollutant Classes (ppb)	Frequency (hours)
2 - 3	85
4 - 10	27
11 - 50	2
> 50	0

Total Number of Valid Data = 114

Bentley - NO2 - November 9 2005 00:00 to December 8 2005 00:00

Pollutant Classes (ppb)	Frequency (hours)
2 - 50	504
51 - 110	0
111 - 210	0
> 210	0

Total Number of Valid Data = 504

Bentley - Wind Speed - November 9 2005 00:00 to December 8 2005 00:00

Wind Speed Classes (kph)	Frequency (hours)
1 - 5	271
6 - 11	251
12 - 19	79
20 - 28	37
29 - 38	10
> 38	5

Total Number of Valid Data = 653

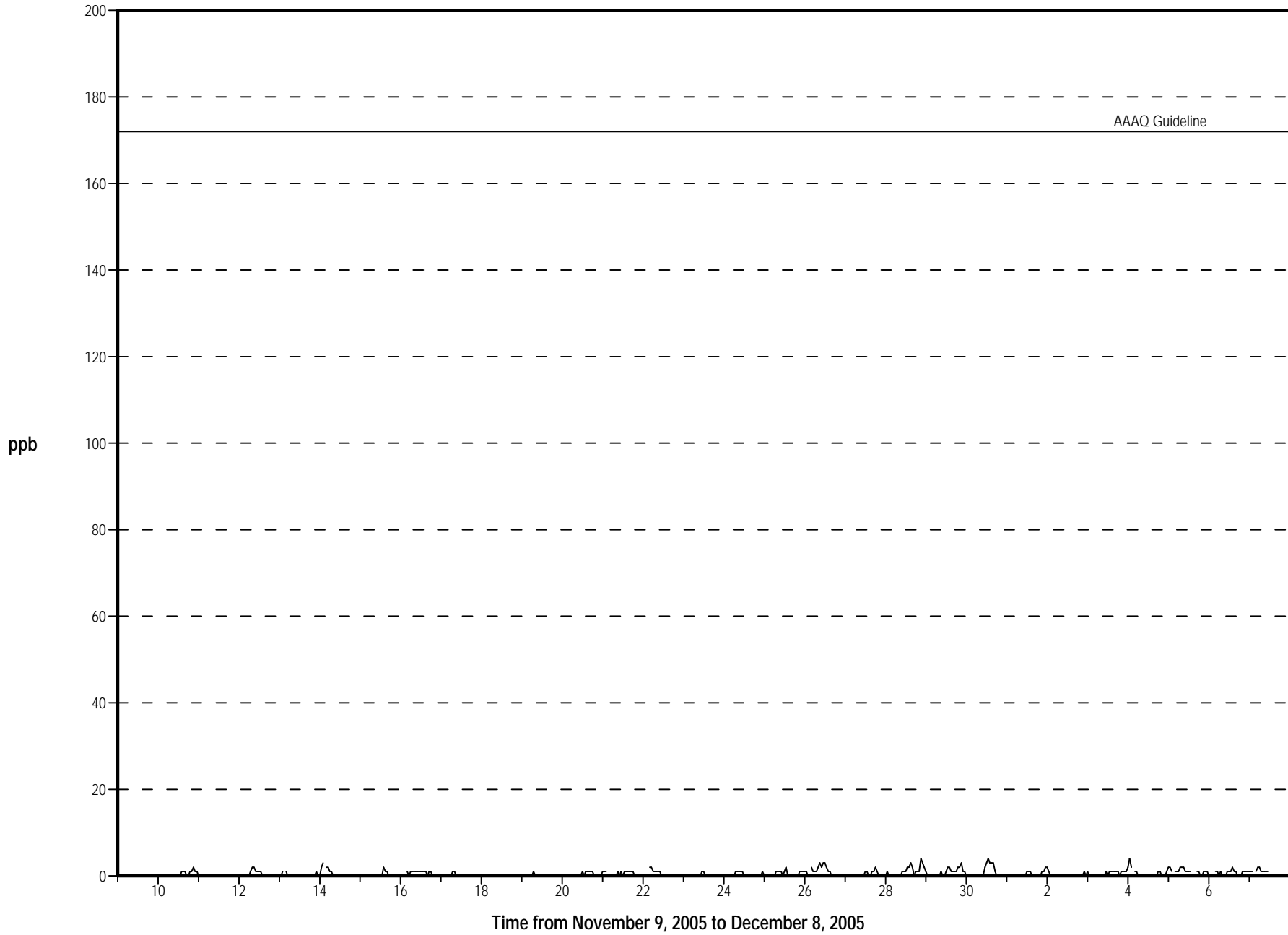
Parameter	Start	End	Duration (hrs)	Notes
SO2	November 17 1500	November 17 1600	2	PF - Power Failure
TRS	November 17 1500	November 17 1600	2	PF - Power Failure
O3	November 17 1500	November 17 1500	1	PF - Power Failure
NOx/NO2/NO	November 17 1500	November 17 1500	1	PF - Power Failure
NOx/NO2/NO	November 26 1600	November 26 1700	2	M - Maintenance
THC/CH4	November 17 1500	November 17 1600	2	PF - Power Failure
NH3/NT	November 17 1500	November 17 1500	1	PF - Power Failure
WS/WD	November 17 1500	November 17 1500	1	PF - Power Failure
ET	November 17 1500	November 17 1500	1	PF - Power Failure
RH	November 17 1500	November 17 1500	1	PF - Power Failure
GR	November 17 1500	November 17 1500	1	PF - Power Failure

Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 SO2 (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	0	1	1	1	0	0	1	1	2	1	1	0.8
11	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12	0	0	0	ZS	0	0	0	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0.4
13	0	0	1	ZS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.1
14	0	2	3	ZS	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
15	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0.2
16	0	0	0	ZS	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0.6
17	0	0	0	ZS	0	0	0	1	1	0	0	0	0	0	PF	PF	0	0	0	0	0	0	0	0	0.1
18	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
19	0	0	0	ZS	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
20	0	0	0	ZS	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0.3
21	1	1	1	ZS	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0.5
22	0	0	0	ZS	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
23	0	0	0	ZS	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0.1
24	0	0	0	ZS	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3
25	0	0	0	ZS	0	0	0	1	1	1	1	0	1	2	0	0	0	0	0	0	0	1	1	1	0.4
26	1	1	0	ZS	2	1	1	1	2	3	2	3	3	2	1	1	0	0	0	0	0	0	0	0	1.0
27	0	0	0	ZS	0	0	0	0	0	0	0	0	1	1	0	0	1	1	2	1	0	0	0	0	0.3
28	0	1	0	ZS	0	0	0	0	0	0	1	1	1	2	2	3	2	0	1	1	1	4	3	2	1.1
29	1	0	0	ZS	0	0	0	0	0	1	0	0	1	2	2	1	1	1	1	2	2	3	1	1	0.9
30	0	0	0	ZS	0	0	0	0	0	0	0	2	3	4	3	3	3	1	0	0	0	0	0	0	0.8
1	0	0	0	ZS	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	2	0.3
2	2	1	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.2
3	1	0	0	ZS	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	1	1	1	1	0.5
4	2	4	2	ZS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0.6
5	2	2	1	ZS	1	1	1	2	2	2	1	1	1	1	CAL	CAL	CAL	1	1	0	0	1	1	1	1.2
6	0	0	0	ZS	1	1	0	1	0	0	0	1	1	1	2	1	1	0	0	0	1	1	1	1	0.6
7	1	1	1	ZS	1	2	2	1	1	1	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.2
	0.4	0.5	0.3	---	0.4	0.4	0.3	0.5	0.4	0.5	0.4	0.6	0.7	0.7	0.7	0.6	0.5	0.3	0.4	0.2	0.2	0.5	0.4	0.4	
Diurnal Average																									
ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure													
AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service													
Maximum Value in Table: 4				First Occurrence on Day 28 Hour 22				Frequency: 3				Hours in Service: 652													
Minimum Value in Table: 0				First Occurrence on Day 10 Hour 14				Frequency: 405				Hours of Data: 615													
Maximum Daily Value: 1.2				First Occurrence on Day 7				Minimum Daily Value: 0				Hours of Missing Data: 37													
Maximum Diurnal Value: 1				First Occurrence at Hour 14				Minimum Diurnal Value: 0				Hours of Calibration: 35													
Monthly Mean: 0.5				Percentiles: P10 = 0.0 Q1 = 0.1 Median = 0.3 Q3 = 0.7 P90 = 1.3				First Occurrence on Day 11				Percent Operational Time: 99.69													
								First Occurrence at Hour 20																	

Bentley SO2 Hourly Averages

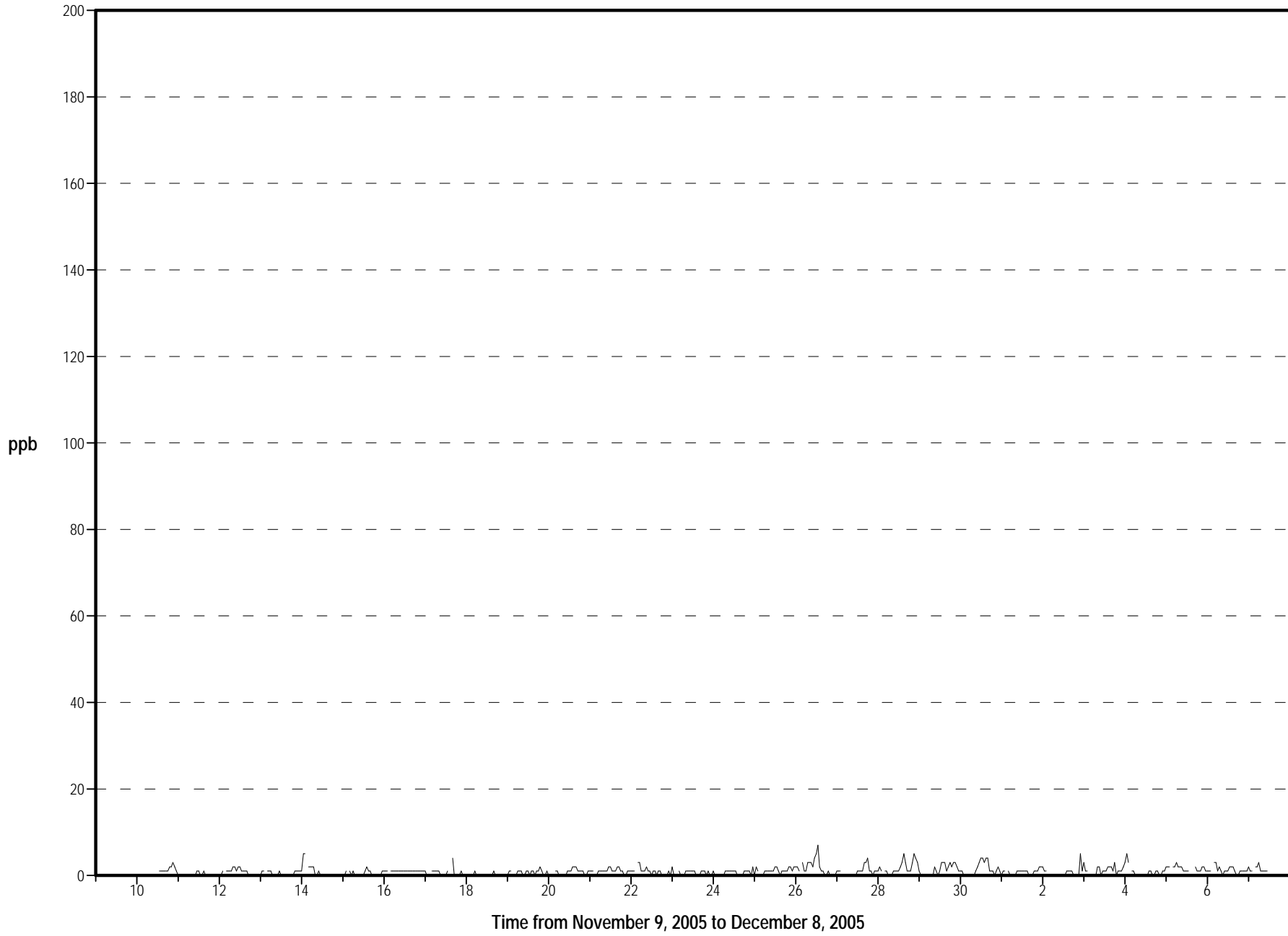


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 SO2 (ppb)

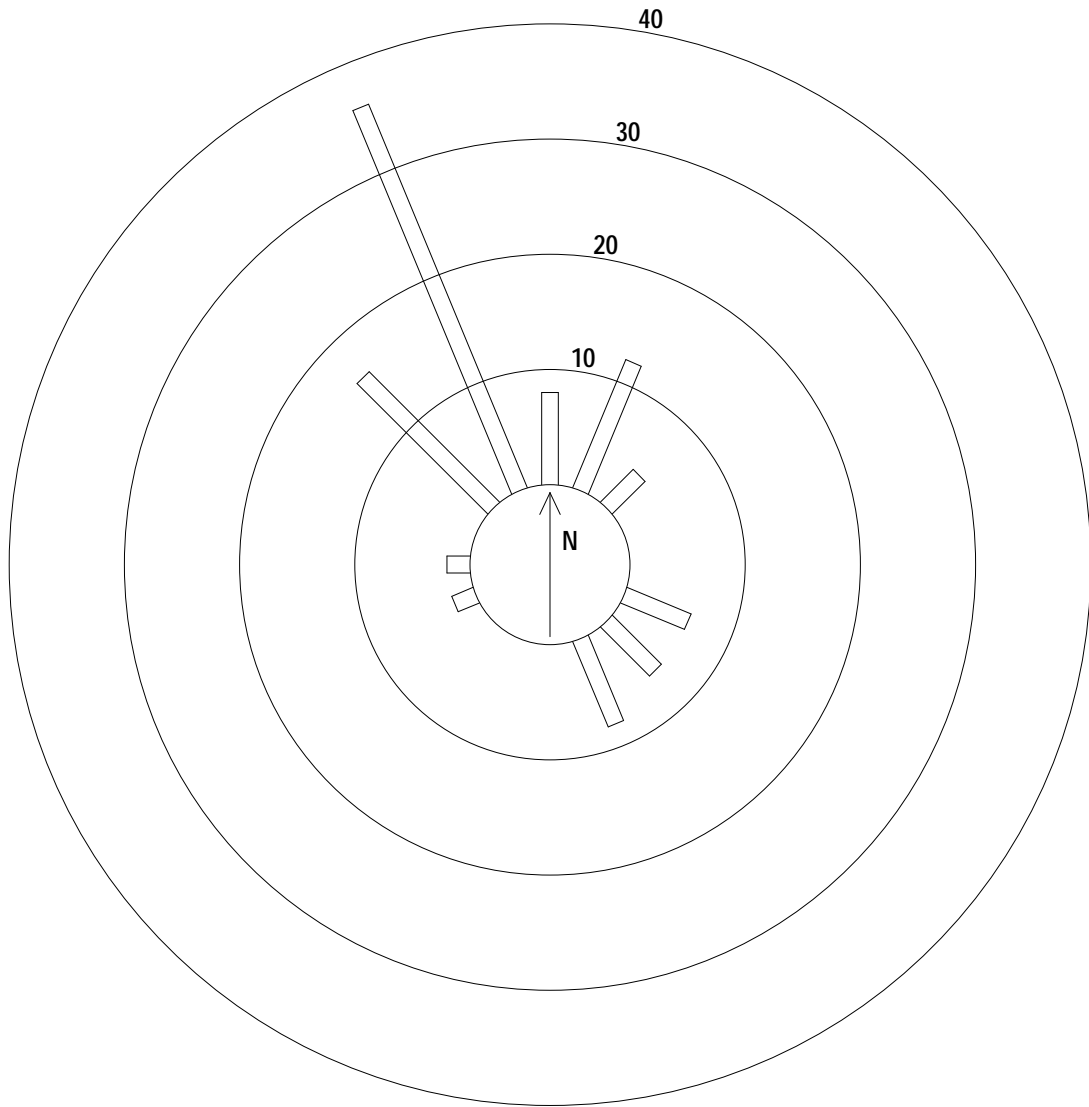
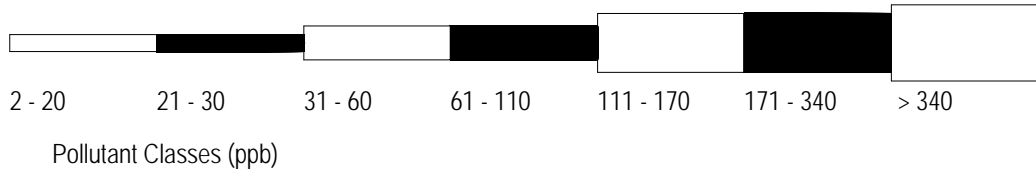
Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---
10	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	1	1	1	1	2	2	3	2	1	1.5
11	0	0	0	--	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0.1
12	0	0	1	--	1	1	1	1	2	2	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0.8
13	0	1	1	--	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0.4
14	1	5	5	--	2	2	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9
15	0	0	1	--	1	0	1	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	1	0.4
16	1	1	1	--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0
17	1	0	0	--	1	1	1	1	1	0	0	0	0	1	--	--	4	0	0	0	0	1	0	0	0.6
18	0	0	0	--	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0.1
19	0	1	1	--	0	0	1	1	1	0	0	1	1	0	1	1	0	1	1	2	1	0	0	1	0.7
20	0	0	0	--	1	1	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	0	0	1	0.7
21	1	1	1	--	0	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	0	0	1	1	1.0
22	1	1	1	--	3	3	1	1	1	2	1	1	0	1	1	0	1	1	0	0	0	0	1	0	0.9
23	2	0	0	--	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	0	1	0	0	0.6
24	1	0	0	--	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	0	2	0.6
25	0	2	1	--	0	0	1	1	1	1	1	1	2	2	1	0	1	1	1	1	2	2	1	2	1.1
26	2	2	1	--	3	1	1	3	3	3	2	4	5	7	2	1	1	0	0	1	0	0	0	0	1.8
27	1	1	1	--	0	0	0	0	0	0	0	0	1	1	1	1	3	3	4	1	1	0	1	1	0.9
28	1	2	1	--	1	1	0	0	0	1	1	1	1	2	3	5	3	1	1	1	3	5	4	3	1.8
29	1	0	0	--	0	0	0	0	0	2	1	0	1	3	3	3	1	2	3	2	3	3	2	1	1.3
30	1	1	0	--	0	0	0	0	0	1	2	3	4	4	3	4	4	1	1	1	0	1	2	1	1.5
1	0	1	1	--	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	2	2	0.7
2	2	1	1	--	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	5	1	0.6
3	3	1	1	--	0	0	0	0	2	2	0	1	1	1	2	2	2	1	3	0	1	1	1	2	1.2
4	3	5	3	--	1	1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	1	1	1	0.8
5	2	2	2	--	2	2	3	2	2	2	1	1	1	1	--	--	--	2	1	1	1	2	2	1	1.7
6	1	1	1	--	3	3	1	2	1	0	1	1	1	2	2	1	0	0	1	1	1	1	1	1	1.2
7	2	1	1	--	2	2	3	1	1	1	1	1	--	--	--	--	--	--	--	--	--	--	--	--	1.5
	1.0	1.1	1.0	--	0.9	0.8	0.7	0.7	0.7	0.8	0.7	1.0	1.1	1.3	1.2	1.2	1.2	0.7	0.8	0.7	0.7	0.9	1.0	0.9	
Diurnal Average																									
ZS - Zero/Span Calibration						CAL - Multipoint Calibration						M - Maintenance						DAF - Data Acquisition Failure							
AF - Analyzer Failure						UO - Unstable Operation						SP - Spurious/Invalid Data						NS - Not in Service							
Maximum Value in Table: 7				First Occurrence on Day 26 Hour 14				Frequency: 1																	
Minimum Value in Table: 0				First Occurrence on Day 11 Hour 1				Frequency: 235																	
Maximum Daily Value: 2				First Occurrence on Day 26				Minimum Daily Value: 0				First Occurrence on Day 18													
Maximum Diurnal Value: 1				First Occurrence at Hour 14				Minimum Diurnal Value: 1				First Occurrence at Hour 8													
Monthly Mean: 0.9 Percentiles: P10 = 0.2 Q1 = 0.3 Median = 0.6 Q3 = 1.2 P90 = 2.2																									

Bentley SO2 Maximum Values



Parkland Airshed Management Zone

Bentley - SO2 - November 10, 2005 00:00 to December 8, 2005 00:00

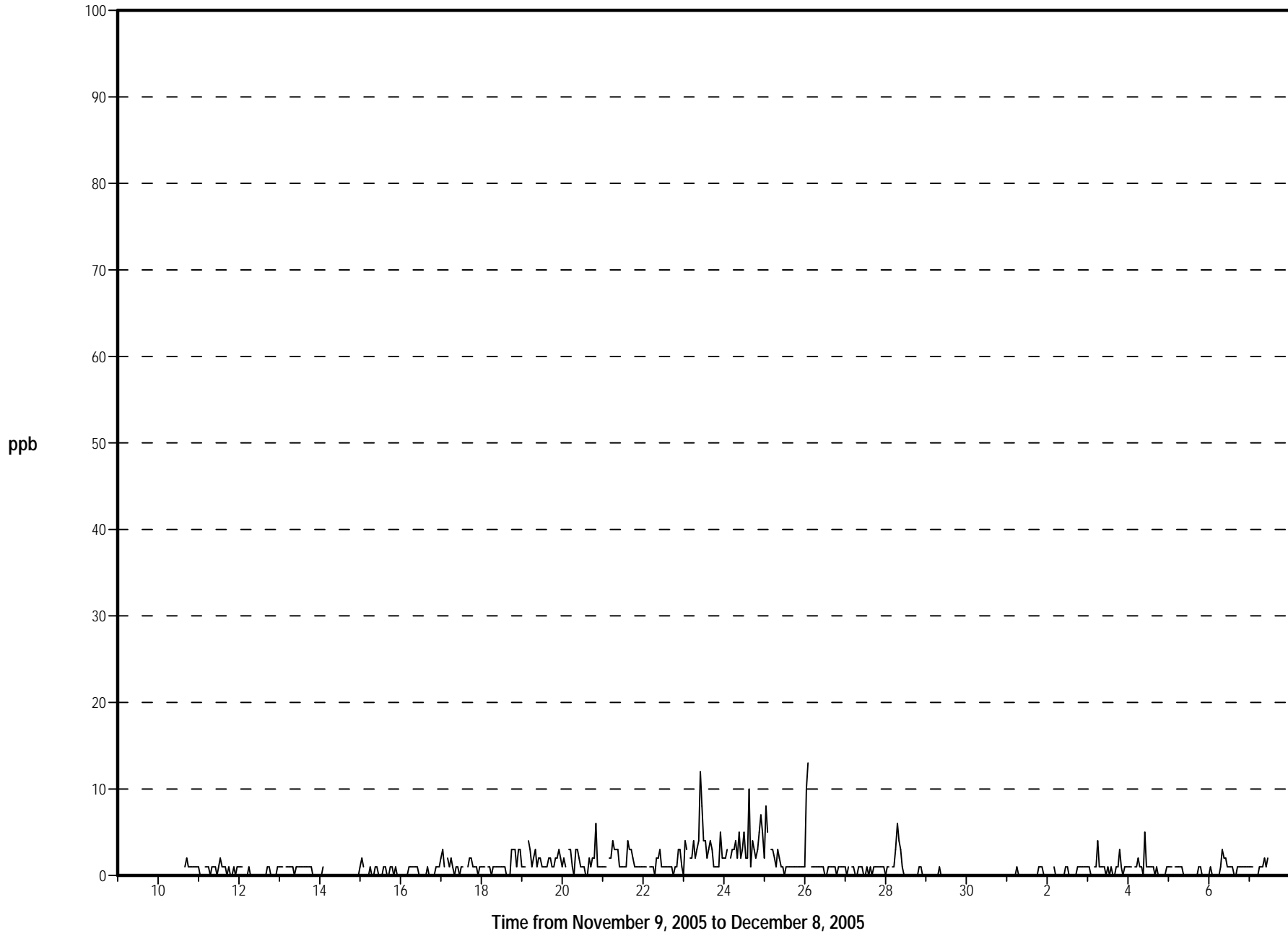


Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 TRS (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	1	2	1	1	1	1	1	1	1.1
11	1	0	0	ZS	1	1	1	0	1	1	1	0	1	2	1	1	1	0	1	0	0	1	0	1	0.7
12	1	1	1	ZS	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0.3
13	1	1	1	ZS	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0.8
14	0	0	1	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15	1	2	1	ZS	0	0	1	0	0	1	1	0	0	0	1	1	0	0	1	1	0	1	0	0	0.5
16	0	0	0	ZS	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	0.4
17	2	3	1	ZS	2	1	2	1	0	1	1	0	1	1	PF	PF	1	2	2	1	1	1	0	1	1.2
18	1	1	1	ZS	1	1	0	1	1	1	1	1	1	1	1	0	0	0	3	3	3	1	3	3	1.3
19	1	1	1	ZS	4	3	1	2	3	1	2	2	1	1	1	1	2	2	1	1	2	2	3	2	1.7
20	1	2	1	ZS	3	3	1	0	3	3	2	1	1	1	0	0	2	1	2	2	6	1	1	1	1.7
21	1	1	1	ZS	2	2	4	3	3	3	1	1	1	1	1	4	3	3	2	1	1	1	1	1	1.8
22	1	1	1	ZS	1	1	1	0	2	2	3	1	1	1	1	1	1	1	0	1	1	3	3	1	1.3
23	0	4	3	ZS	2	2	4	2	3	4	12	8	4	4	2	3	4	3	1	1	1	1	5	2	3.3
24	2	2	3	ZS	2	3	3	4	2	5	2	3	5	2	2	10	1	4	3	2	3	5	7	5	3.5
25	2	8	5	ZS	3	3	2	1	3	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1.8
26	1	10	13	ZS	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1.8
27	1	0	1	ZS	1	1	0	0	1	1	1	0	0	1	0	1	0	1	1	1	1	1	1	1	0.7
28	0	1	1	ZS	1	1	3	6	4	3	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1.0
29	0	0	0	ZS	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
30	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
1	0	0	0	ZS	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0.2
2	0	0	0	ZS	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0.4
3	1	1	0	ZS	1	1	4	1	1	1	1	0	1	0	1	0	0	1	1	3	1	0	1	1	1.0
4	1	1	1	ZS	1	1	2	1	1	0	5	1	1	1	1	1	0	1	0	0	0	0	0	1	0.9
5	1	1	1	ZS	1	1	1	1	1	0	0	0	0	0	CAL	CAL	CAL	0	1	1	0	0	0	0	0.5
6	0	1	0	ZS	0	0	0	1	3	2	2	1	1	1	1	0	0	1	1	1	1	1	1	1	0.9
7	1	1	1	ZS	0	0	1	1	1	2	1	2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.0
	0.8	1.6	1.4	---	1.1	1.0	1.3	1.0	1.4	1.3	1.5	0.9	0.8	0.7	0.7	1.1	0.8	1.0	1.0	0.9	1.0	1.0	1.1	1.0	
Diurnal Average																									
ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure													
AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service													
Maximum Value in Table: 13				First Occurrence on Day 26 Hour 3				Frequency: 1				Hours in Service: 649													
Minimum Value in Table: 0				First Occurrence on Day 11 Hour 2				Frequency: 222				Hours of Data: 612													
Maximum Daily Value: 3.5				First Occurrence on Day 24				Minimum Daily Value: 0				Hours of Missing Data: 37													
Maximum Diurnal Value: 2				First Occurrence at Hour 2				Minimum Diurnal Value: 1				Hours of Calibration: 35													
Monthly Mean: 1.1				Percentiles: P10 = 0.2 Q1 = 0.4 Median = 0.6 Q3 = 1.1 P90 = 2.6				First Occurrence on Day 30				Percent Operational Time: 99.69													
								First Occurrence at Hour 15																	

Bentley TRS Hourly Averages

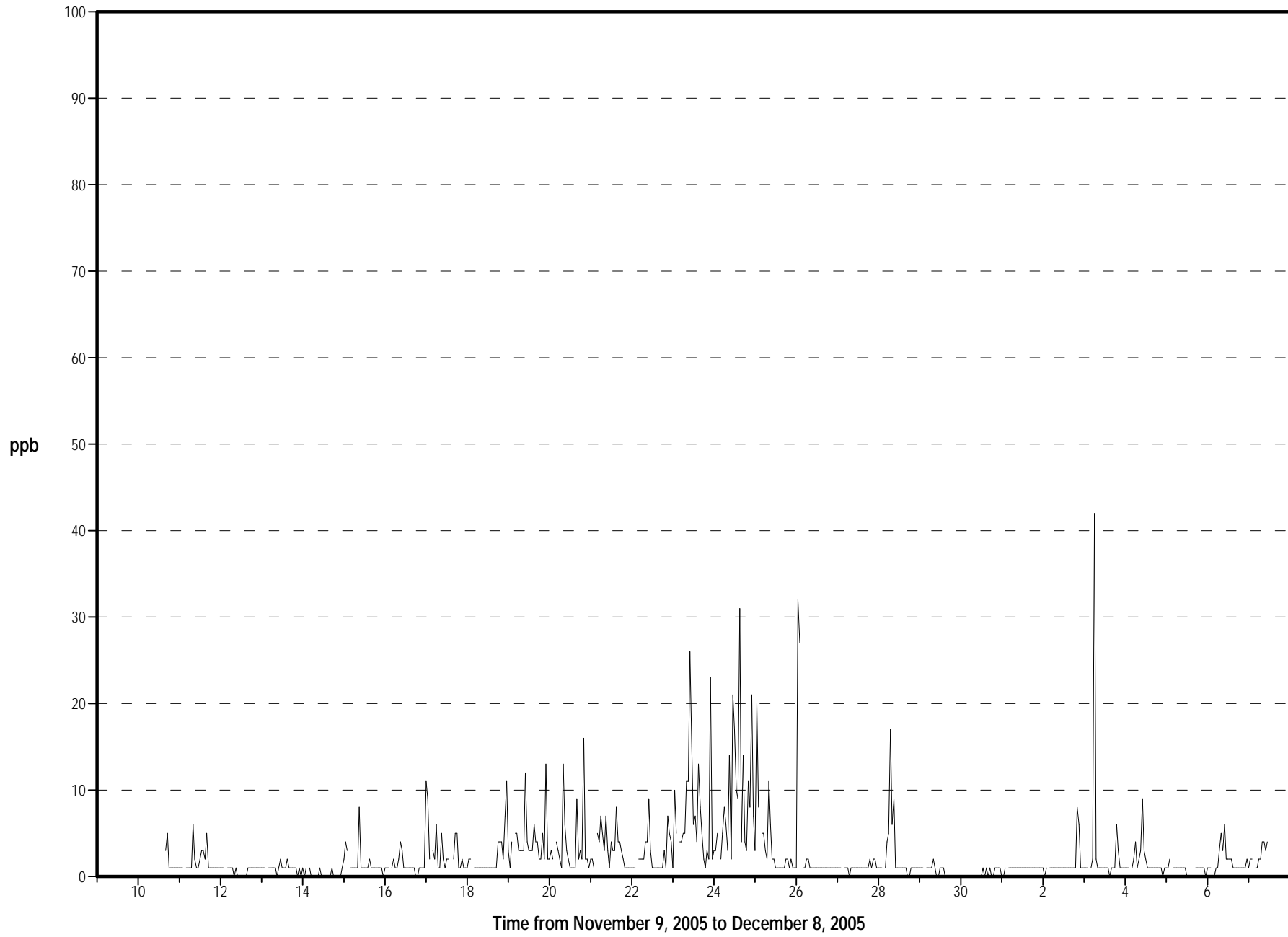


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 TRS (ppb)

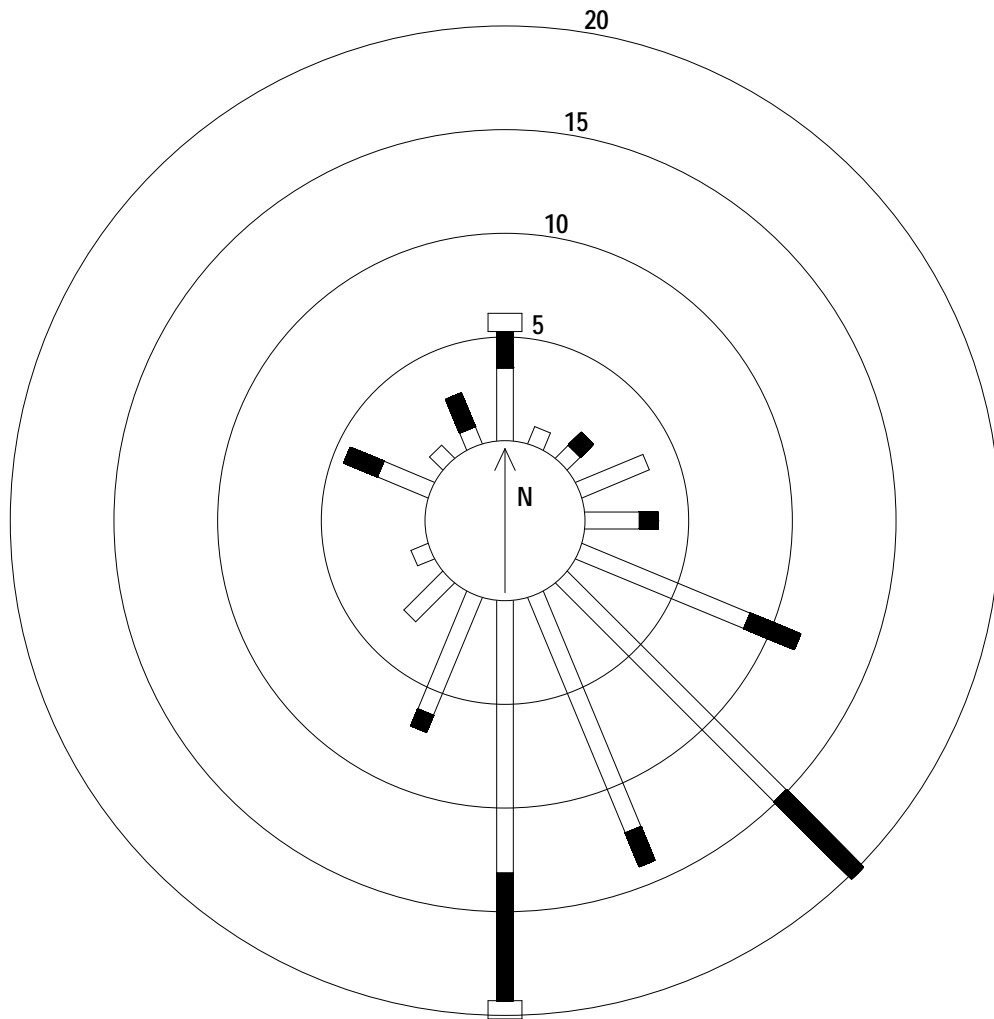
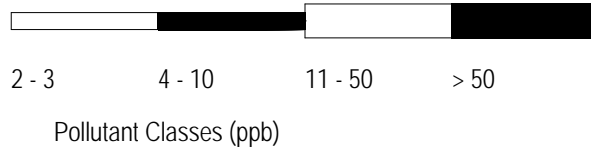
Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	5	1	1	1	1	1	1	1.8
11	1	1	1	--	1	1	1	1	6	2	1	1	2	3	3	2	5	1	1	1	1	1	1	1	1.7
12	1	1	1	--	1	1	1	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0.7
13	1	1	1	--	1	1	1	1	1	0	1	2	1	1	1	2	1	1	1	1	1	0	1	0	1.0
14	1	0	1	--	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0.3
15	2	4	3	--	1	1	1	1	1	8	1	1	1	1	1	2	1	1	1	1	1	1	1	0	1.6
16	1	1	1	--	1	2	1	1	2	4	3	1	1	1	1	1	1	1	0	0	1	1	1	1	1.2
17	11	9	2	--	3	2	6	1	1	5	2	1	2	2	--	--	2	5	5	1	1	2	1	1	3.1
18	1	2	2	--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	2	7	11	2.2
19	3	1	4	--	5	5	3	3	3	3	12	4	3	3	3	6	4	4	2	2	5	2	13	2	4.1
20	2	3	2	--	4	3	2	1	13	6	3	2	1	1	1	1	9	2	3	2	16	2	2	1	3.6
21	2	2	1	--	5	4	7	5	3	7	3	1	4	3	3	8	4	4	3	2	1	1	1	1	3.3
22	1	1	1	--	2	2	2	2	4	4	9	3	1	1	1	1	1	1	1	3	1	7	5	4	2.5
23	1	10	5	--	4	4	5	5	11	11	26	15	6	7	4	13	8	5	2	1	3	2	23	2	7.5
24	3	3	5	--	2	5	8	6	3	14	2	21	17	10	9	31	4	14	4	3	11	8	21	7	9.2
25	3	20	8	--	5	5	3	2	11	6	2	2	1	1	1	1	1	1	2	2	1	2	1	1	3.6
26	1	32	27	--	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3.6
27	1	1	1	--	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	1.1
28	1	1	1	--	1	4	5	17	6	9	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2.5
29	1	1	1	--	1	1	1	1	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0.6
30	0	0	0	--	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	1	1	0.3
1	0	0	1	--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9
2	1	0	1	--	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	6	1	1	1.5
3	1	1	1	--	1	2	42	2	1	1	1	1	1	1	1	0	1	1	1	6	3	1	1	1	3.1
4	1	1	1	--	1	2	4	1	2	3	9	3	2	1	1	1	1	1	1	1	1	1	0	1	1.7
5	1	1	2	--	1	1	1	1	1	1	1	1	0	0	--	--	--	1	1	1	1	1	1	0	0.9
6	1	1	1	--	0	1	1	3	5	3	6	2	2	2	2	1	1	1	1	1	1	1	1	2	1.7
7	1	2	2	--	1	1	2	2	4	4	3	4	--	--	--	--	--	--	--	--	--	--	--	--	2.4
	1.6	3.7	2.9	---	1.7	2.0	3.8	2.3	3.1	3.6	3.4	2.6	2.0	1.8	1.6	3.2	2.1	2.1	1.4	1.5	2.5	1.8	3.3	1.7	
Diurnal Average																									
ZS - Zero/Span Calibration						CAL - Multipoint Calibration						M - Maintenance						DAF - Data Acquisition Failure							
AF - Analyzer Failure						UO - Unstable Operation						SP - Spurious/Invalid Data						NS - Not in Service							
Maximum Value in Table: 42				First Occurrence on Day 3 Hour 7				Frequency: 1																	
Minimum Value in Table: 0				First Occurrence on Day 12 Hour 9				Frequency: 69																	
Maximum Daily Value: 9				First Occurrence on Day 24				Minimum Daily Value: 0				First Occurrence on Day 14													
Maximum Diurnal Value: 4				First Occurrence at Hour 7				Minimum Diurnal Value: 1				First Occurrence at Hour 19													
Monthly Mean: 2.4 Percentiles: P10 = 0.5 Q1 = 0.7 Median = 1.0 Q3 = 2.2 P90 = 5.3																									

Bentley TRS Maximum Values



Parkland Airshed Management Zone

Bentley - TRS - November 10, 2005 00:00 to December 8, 2005 00:00

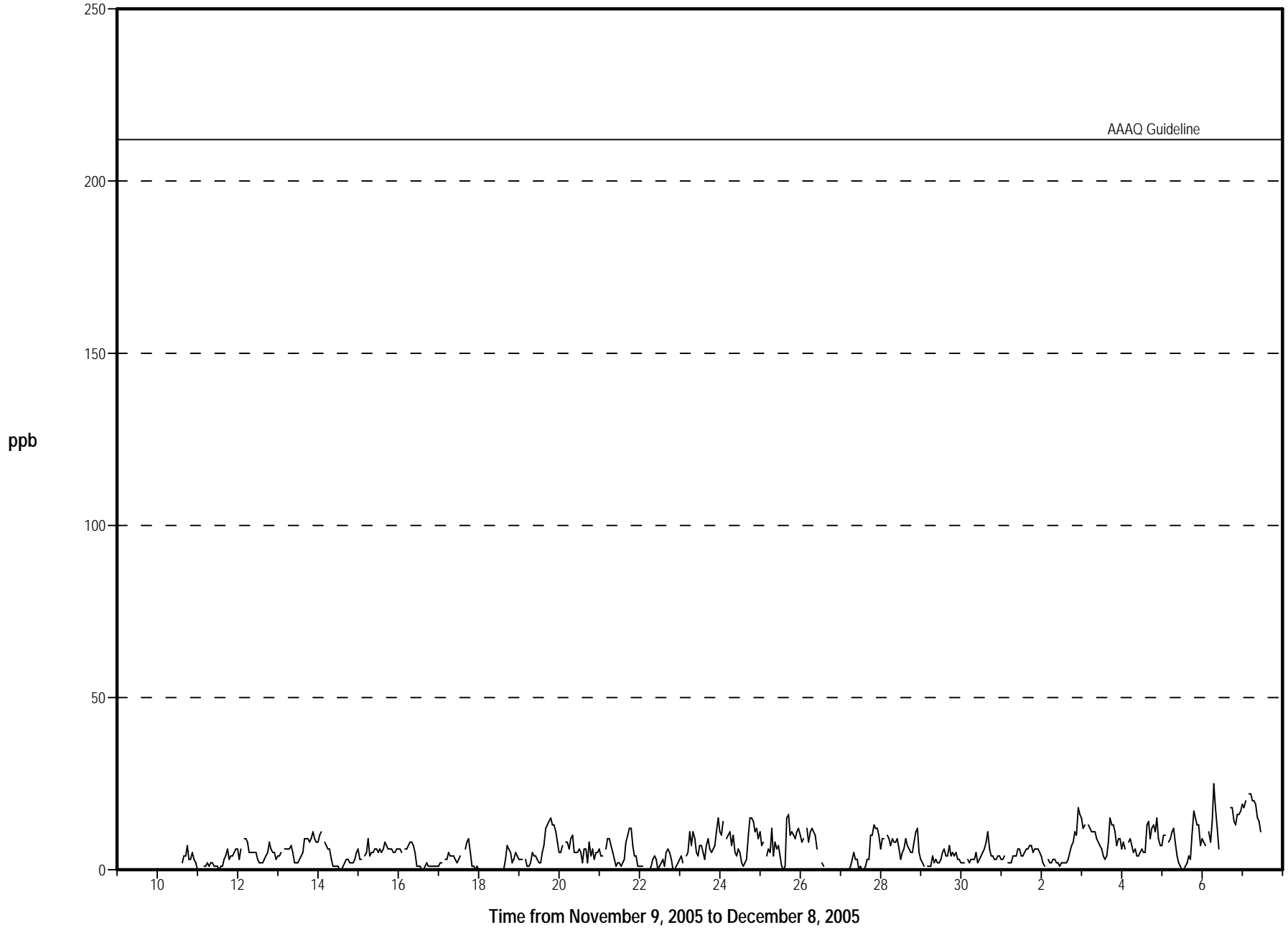


Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 NO2 (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	CAL	2	4	4	7	3	3	5	3	2	3.7
11	0	0	0	ZS	1	1	2	1	2	2	1	1	1	0	1	1	3	4	6	3	4	4	5	6	2.1
12	6	3	6	ZS	9	9	8	5	5	5	5	5	3	2	2	2	3	4	5	8	6	5	5	3	5.0
13	4	4	5	ZS	6	6	6	6	7	5	2	2	2	3	4	5	9	9	9	8	9	11	9	8	6.0
14	8	10	11	ZS	8	7	6	6	3	1	1	1	1	0	0	1	2	3	3	2	2	2	3	5	3.7
15	6	3	3	ZS	4	5	9	4	5	5	6	6	5	6	5	6	8	7	6	6	6	5	5	6	5.5
16	6	6	5	ZS	6	6	7	8	8	7	5	1	1	1	0	0	1	2	1	1	1	1	1	1	3.3
17	1	2	2	ZS	3	3	5	4	4	4	3	2	3	4	PF	8	6	8	9	5	1	1	0	1	3.6
18	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	3	7	6	5	2	3	5	4	1.5
19	3	3	3	ZS	3	1	1	2	5	4	4	3	2	2	5	7	12	13	14	15	13	13	11	8	6.4
20	5	5	7	ZS	8	8	6	9	10	5	5	5	6	5	2	6	6	2	8	4	6	3	5	5	5.7
21	6	4	4	ZS	6	9	9	7	5	3	1	2	2	1	2	3	8	10	12	12	7	4	4	1	5.3
22	1	1	1	ZS	0	0	0	1	3	4	3	0	1	2	3	1	5	6	5	3	0	0	1	2	1.9
23	3	4	2	ZS	4	5	11	7	11	9	5	4	7	7	5	3	7	9	6	5	6	7	11	15	6.7
24	11	10	14	ZS	9	10	11	7	10	5	4	6	5	2	1	2	3	10	15	15	14	11	12	9	8.5
25	11	7	8	ZS	4	6	5	12	4	8	6	7	4	1	0	1	15	16	10	11	10	9	11	12	7.7
26	10	8	9	ZS	12	8	11	12	11	10	6	4	3	2	1	M	M	0	0	0	0	0	0	0	5.1
27	0	0	0	ZS	0	0	1	3	5	3	3	0	1	0	0	1	3	3	10	10	13	12	12	10	3.9
28	6	9	9	ZS	10	9	7	9	8	8	9	6	3	5	6	9	7	6	5	5	8	11	12	5	7.5
29	3	2	1	ZS	1	1	1	4	2	3	2	2	3	5	6	4	4	7	4	5	4	5	3	3	3.3
30	2	2	2	ZS	3	2	3	3	3	5	2	3	4	5	6	8	11	6	4	4	3	3	4	4	4.0
1	3	3	4	ZS	2	2	2	4	4	4	6	6	4	4	5	6	6	7	7	5	6	6	6	5	4.7
2	4	2	1	ZS	3	2	2	3	3	2	2	1	2	2	2	2	3	5	7	8	11	10	18	16	4.8
3	15	12	13	ZS	13	12	11	11	11	9	8	7	6	4	3	4	8	15	13	13	11	7	9	9	9.7
4	6	8	6	ZS	8	9	7	5	6	4	4	5	6	5	5	13	14	9	12	13	11	15	9	7	8.1
5	7	10	10	ZS	8	9	11	12	8	4	2	1	0	0	1	2	4	3	10	17	15	13	13	7	7.3
6	9	8	7	ZS	11	8	14	25	18	12	6	6	CAL	CAL	CAL	CAL	CAL	18	18	14	13	16	16	17	13.1
7	19	18	20	ZS	22	22	20	20	19	15	14	11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18.2
	5.7	5.3	5.7	---	6.1	5.9	6.5	7.0	6.7	5.4	4.3	3.6	3.0	2.7	2.7	3.9	6.2	7.1	7.9	7.4	6.9	6.7	7.1	6.3	
	Diurnal Average																								
	ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure												
	AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service												
	Maximum Value in Table: 25				First Occurrence on Day 6 Hour 8				Frequency: 1				Hours in Service: 652												
	Minimum Value in Table: 0				First Occurrence on Day 11 Hour 1				Frequency: 48				Hours of Data: 610												
	Maximum Daily Value: 18.2				First Occurrence on Day 7				Minimum Daily Value: 2				Hours of Missing Data: 42												
	Maximum Diurnal Value: 8				First Occurrence at Hour 19				Minimum Diurnal Value: 3				First Occurrence at Hour 15												
	Monthly Mean: 5.7				Percentiles: P10 = 0.8 Q1 = 2.4 Median = 4.9 Q3 = 8.2 P90 = 11.7								Percent Operational Time: 99.54												

Bentley NO2 Hourly Averages

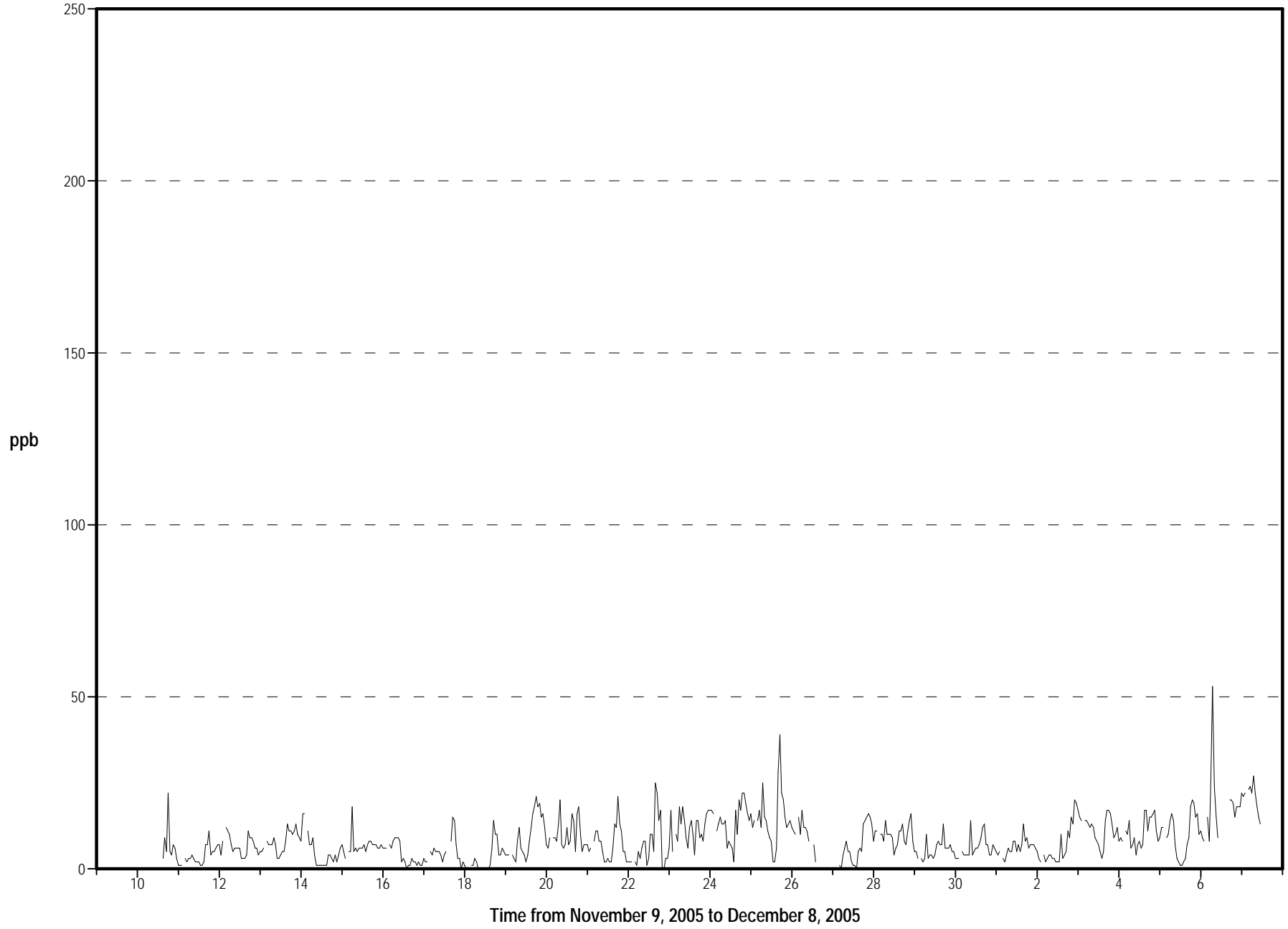


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 NO2 (ppb)

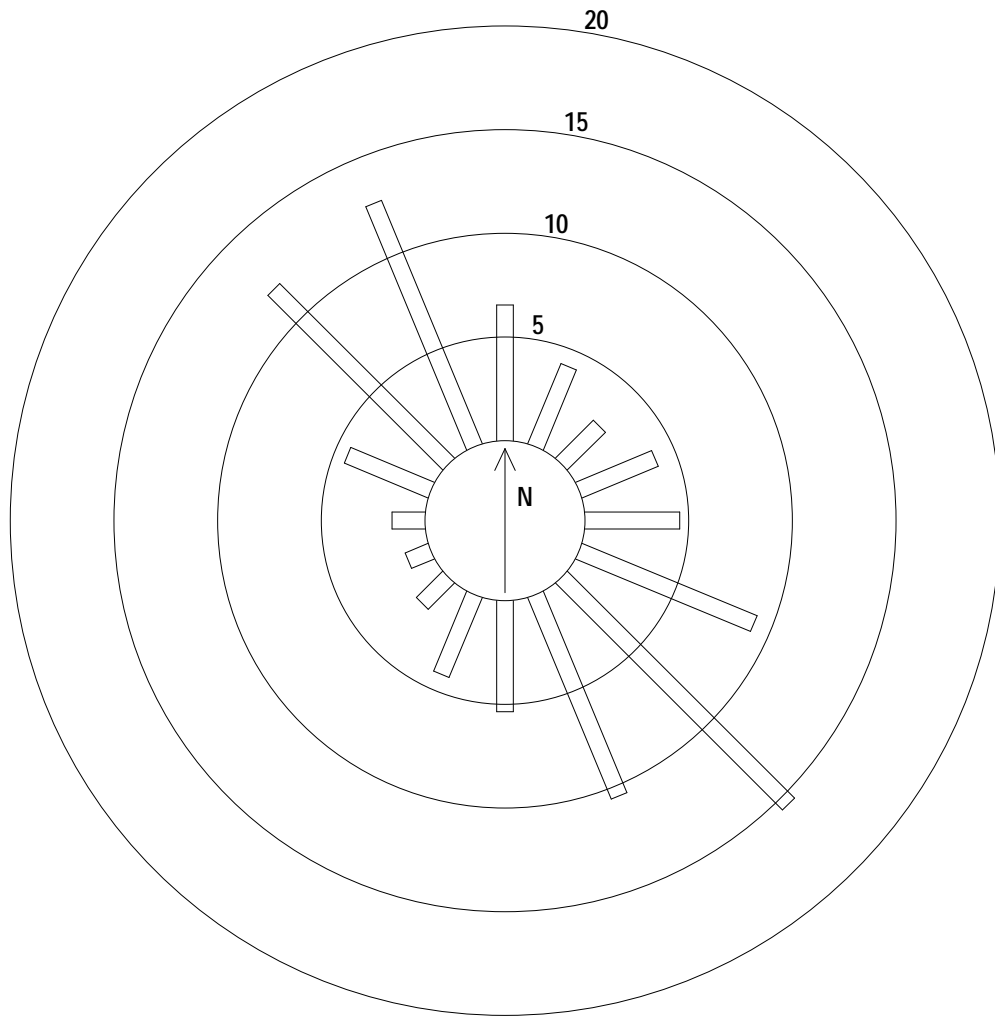
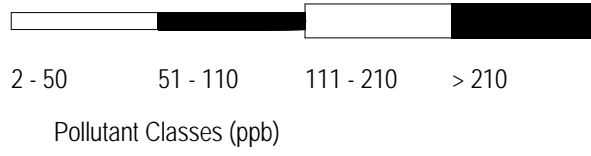
Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	9	5	22	5	4	7	6	3	7.1		
11	1	1	1	--	3	2	3	3	4	3	2	2	1	1	2	7	7	11	4	5	5	6	7	3.6		
12	7	4	8	--	12	11	10	7	5	6	6	6	3	3	3	4	11	9	9	8	6	6	4	6.7		
13	5	5	6	--	8	7	7	7	9	7	3	3	4	5	5	8	13	11	11	10	11	13	10	9	7.7	
14	8	16	16	--	11	7	7	9	4	1	1	1	1	1	1	4	4	3	2	4	2	4	6	5.0		
15	7	5	3	--	5	5	18	5	6	5	6	6	6	7	5	7	8	8	7	7	7	6	6	7	6.6	
16	6	6	6	--	7	6	8	9	9	9	8	2	3	2	0	1	1	3	2	2	1	2	1	1	4.1	
17	3	2	2	--	5	4	6	5	5	5	4	2	4	5	--	--	8	15	14	7	3	3	0	2	5.0	
18	1	0	0	--	1	1	3	2	0	0	0	0	0	0	0	1	6	14	10	10	4	4	6	5	3.0	
19	4	4	4	--	4	3	2	8	12	6	5	4	2	4	8	12	16	18	21	18	19	15	16	12	9.4	
20	7	6	9	--	9	9	8	13	20	7	6	7	12	7	8	16	14	5	16	18	10	5	7	7	9.8	
21	7	5	6	--	8	11	11	8	8	5	2	2	3	2	2	6	13	12	21	13	11	5	5	2	7.3	
22	2	2	2	--	2	1	5	3	6	8	8	1	3	10	10	5	25	22	14	17	0	0	3	3	6.6	
23	6	17	5	--	10	8	18	13	18	14	9	6	12	14	10	4	14	14	9	10	8	13	16	17	11.5	
24	17	17	16	--	11	13	15	13	13	14	6	8	7	6	2	17	10	20	17	22	22	19	16	14	13.7	
25	16	12	14	--	14	17	12	25	15	14	11	9	8	2	2	6	28	39	22	20	15	12	13	14	14.8	
26	12	11	10	--	15	10	17	12	12	11	8	--	--	7	2	--	--	0	0	0	0	0	0	0	6.7	
27	0	0	0	--	1	0	4	6	8	5	5	2	1	1	0	5	6	5	13	14	15	16	15	13	5.9	
28	8	11	11	--	10	10	8	14	10	10	10	9	4	6	7	11	11	13	8	7	11	14	16	8	9.9	
29	5	5	3	--	3	2	3	10	3	4	4	3	4	7	8	7	7	13	6	6	6	7	5	5	5.5	
30	3	3	3	--	5	4	4	4	4	14	4	5	6	6	7	9	12	13	7	7	4	4	7	6	6.1	
1	5	4	5	--	3	2	4	6	5	5	8	8	5	7	5	7	13	8	9	6	7	7	7	6	6.2	
2	5	3	2	--	4	2	3	4	4	3	3	2	2	2	10	3	4	5	11	9	15	13	20	19	6.4	
3	17	15	14	--	14	14	13	12	13	12	9	8	7	5	3	5	14	17	17	16	13	9	10	12	11.7	
4	8	9	8	--	11	10	14	6	7	9	4	7	8	6	7	17	17	11	15	15	16	17	11	8	10.5	
5	9	12	12	--	9	10	14	16	14	7	3	2	1	1	2	3	7	9	18	20	19	15	16	10	10.0	
6	11	9	8	--	15	8	27	53	24	16	9	--	--	--	--	--	--	20	20	19	15	18	18	18	18.1	
7	22	21	22	--	23	24	22	27	22	18	15	13	--	--	--	--	--	--	--	--	--	--	--	--	20.8	
	7.5	7.6	7.3	---	8.3	7.4	9.9	11.1	9.6	8.1	5.9	4.7	4.6	4.7	4.5	6.6	10.8	11.9	12.3	10.9	9.4	8.8	9.1	8.1		
Diurnal Average																										
ZS - Zero/Span Calibration							CAL - Multipoint Calibration							M - Maintenance							DAF - Data Acquisition Failure					
AF - Analyzer Failure							UO - Unstable Operation							SP - Spurious/Invalid Data							NS - Not in Service					
Maximum Value in Table: 53					First Occurrence on Day 6 Hour 8					Frequency: 1																
Minimum Value in Table: 0					First Occurrence on Day 16 Hour 15					Frequency: 25																
Maximum Daily Value: 21					First Occurrence on Day 7					Minimum Daily Value: 3					First Occurrence on Day 18											
Maximum Diurnal Value: 12					First Occurrence at Hour 19					Minimum Diurnal Value: 5					First Occurrence at Hour 15											
Monthly Mean: 8.3 Percentiles: P10 = 1.7 Q1 = 3.8 Median = 7.0 Q3 = 12.0 P90 = 16.4																										

Bentley NO2 Maximum Values



Parkland Airshed Management Zone

Bentley - NO2 - November 10, 2005 00:00 to December 8, 2005 00:00

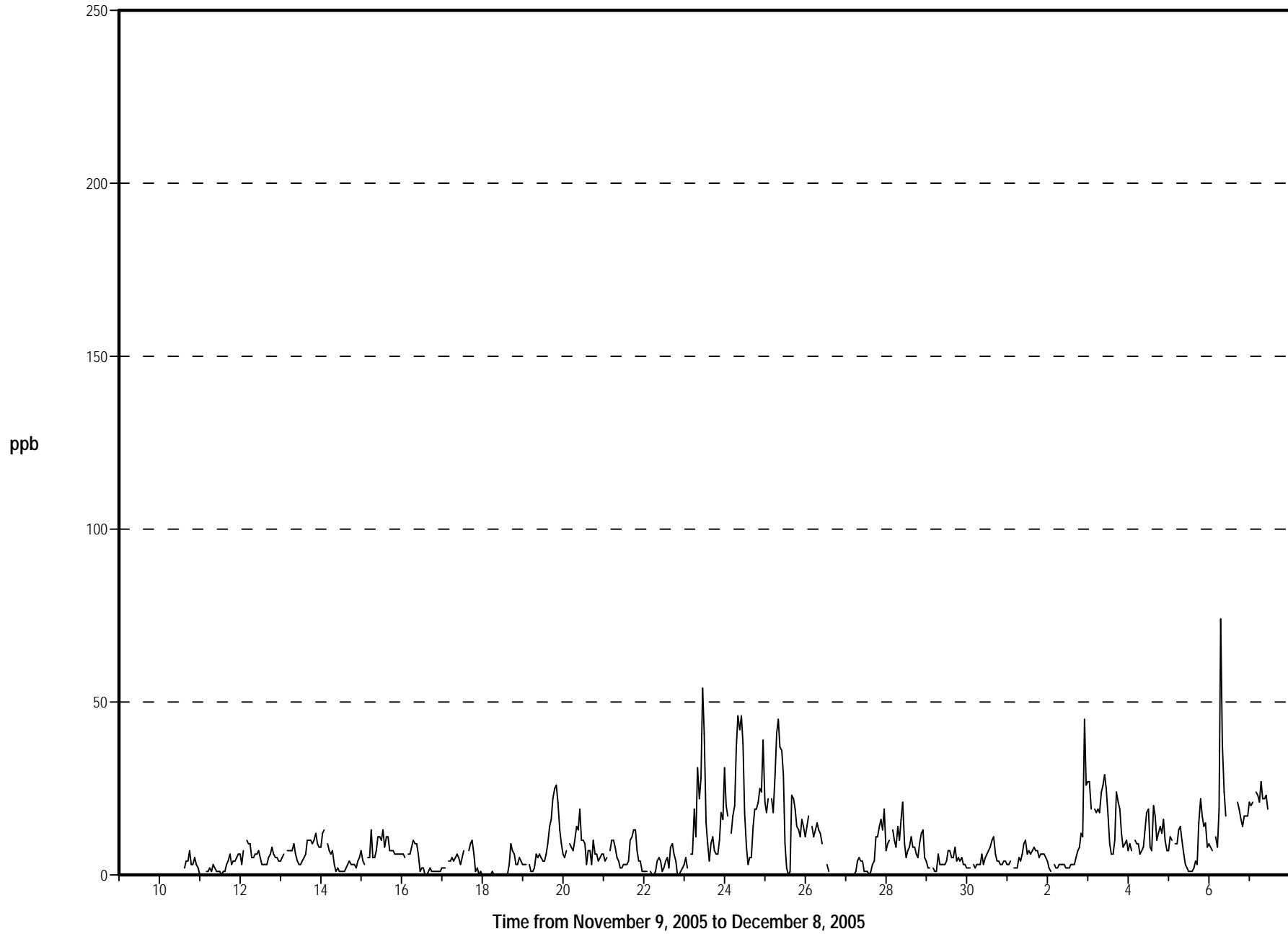


Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 NOX (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	CAL	CAL	2	4	4	7	3	3	5	3	2	3.7
11	0	0	0	ZS	1	1	2	1	3	2	1	1	0	1	1	3	4	6	3	4	4	5	6	6	2.2
12	6	3	7	ZS	10	9	9	5	5	6	6	7	5	3	3	3	3	5	6	8	6	5	5	4	5.6
13	4	5	6	ZS	7	7	7	7	9	6	4	3	3	4	5	6	10	10	10	9	10	12	9	8	7.0
14	8	12	13	ZS	9	7	6	7	3	1	2	1	1	1	1	2	3	4	3	3	2	4	5	4.4	
15	7	4	3	ZS	5	5	13	5	5	7	11	11	10	13	8	11	11	7	7	7	6	6	6	6	7.6
16	6	6	5	ZS	6	6	8	10	9	9	6	1	2	2	0	0	1	2	1	1	1	1	1	1	3.7
17	2	2	2	ZS	4	4	5	4	5	6	5	3	5	7	PF	10	7	9	10	6	1	2	0	1	4.5
18	0	0	0	ZS	0	0	1	0	0	0	0	0	0	0	0	0	3	9	7	6	3	3	5	4	1.8
19	3	3	3	ZS	3	1	1	2	6	5	6	5	4	4	6	9	14	16	22	25	26	21	13	9	9.0
20	6	5	7	ZS	9	8	7	10	14	13	19	10	10	9	3	7	7	3	10	6	6	4	5	6	8.0
21	6	4	5	ZS	7	10	10	8	5	4	2	2	3	3	3	4	10	11	13	13	7	4	4	1	6.0
22	1	1	1	ZS	1	0	0	1	4	5	4	1	2	4	5	2	8	9	6	4	0	0	1	2	2.7
23	3	5	2	ZS	6	6	19	11	31	22	28	54	41	15	9	4	9	11	7	6	6	10	18	16	14.7
24	31	20	17	ZS	12	17	20	37	46	42	46	38	18	8	3	5	5	14	19	19	21	25	24	39	22.9
25	21	18	22	ZS	22	18	29	41	45	37	36	29	9	2	0	1	23	22	19	14	13	11	16	14	20.1
26	11	14	17	ZS	14	11	13	15	13	12	9	7	6	3	1	M	M	0	0	0	0	0	0	0	7.0
27	0	0	0	ZS	0	0	1	4	5	4	4	1	1	1	0	1	3	4	11	11	14	16	13	19	4.9
28	7	9	10	ZS	13	10	8	14	10	16	21	9	5	7	8	11	8	8	6	5	9	12	13	5	9.7
29	4	2	2	ZS	2	1	1	6	3	3	3	3	4	7	7	5	5	8	4	5	4	5	3	3	3.9
30	2	2	2	ZS	3	2	3	3	3	6	3	5	6	7	8	10	11	6	4	4	3	3	4	4	4.5
1	3	3	4	ZS	2	2	2	5	4	6	9	10	6	7	6	7	8	7	7	5	6	6	6	5	5.5
2	4	2	1	ZS	3	2	2	3	3	3	3	2	2	2	3	3	3	5	7	8	12	11	45	26	6.7
3	27	27	19	ZS	19	18	19	18	24	26	29	25	17	9	6	6	10	24	21	19	12	8	9	10	17.5
4	7	9	7	ZS	10	9	9	6	7	8	13	18	19	8	7	20	17	10	12	14	12	16	10	7	11.1
5	7	11	10	ZS	9	9	13	14	10	6	3	2	1	1	1	2	4	3	15	22	17	14	15	8	8.6
6	9	8	7	ZS	11	8	19	74	38	24	17	15	CAL	CAL	CAL	CAL	CAL	21	19	16	14	17	17	17	19.5
7	21	20	21	ZS	24	23	21	27	22	22	23	19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	22.1
	7.6	7.2	7.1	---	7.9	7.2	9.2	12.5	12.3	11.1	11.6	10.4	7.2	5.1	3.9	5.3	7.6	8.7	9.6	9.0	8.1	8.3	9.4	8.4	
	Diurnal Average																								
	ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure												
	AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service												
	Maximum Value in Table: 74				First Occurrence on Day 6 Hour 8				Frequency: 1				Hours in Service: 652												
	Minimum Value in Table: 0				First Occurrence on Day 11 Hour 1				Frequency: 39				Hours of Data: 610												
	Maximum Daily Value: 22.9				First Occurrence on Day 24				Minimum Daily Value: 2				Hours of Missing Data: 42												
	Maximum Diurnal Value: 13				First Occurrence at Hour 8				Minimum Diurnal Value: 4				Hours of Calibration: 39												
	Monthly Mean: 8.5				Percentiles: P10 = 1.1 Q1 = 2.9 Median = 6.0 Q3 = 10.6 P90 = 19.3				First Occurrence on Day 18				Percent Operational Time: 99.54												
									First Occurrence at Hour 15																

Bentley NOX Hourly Averages

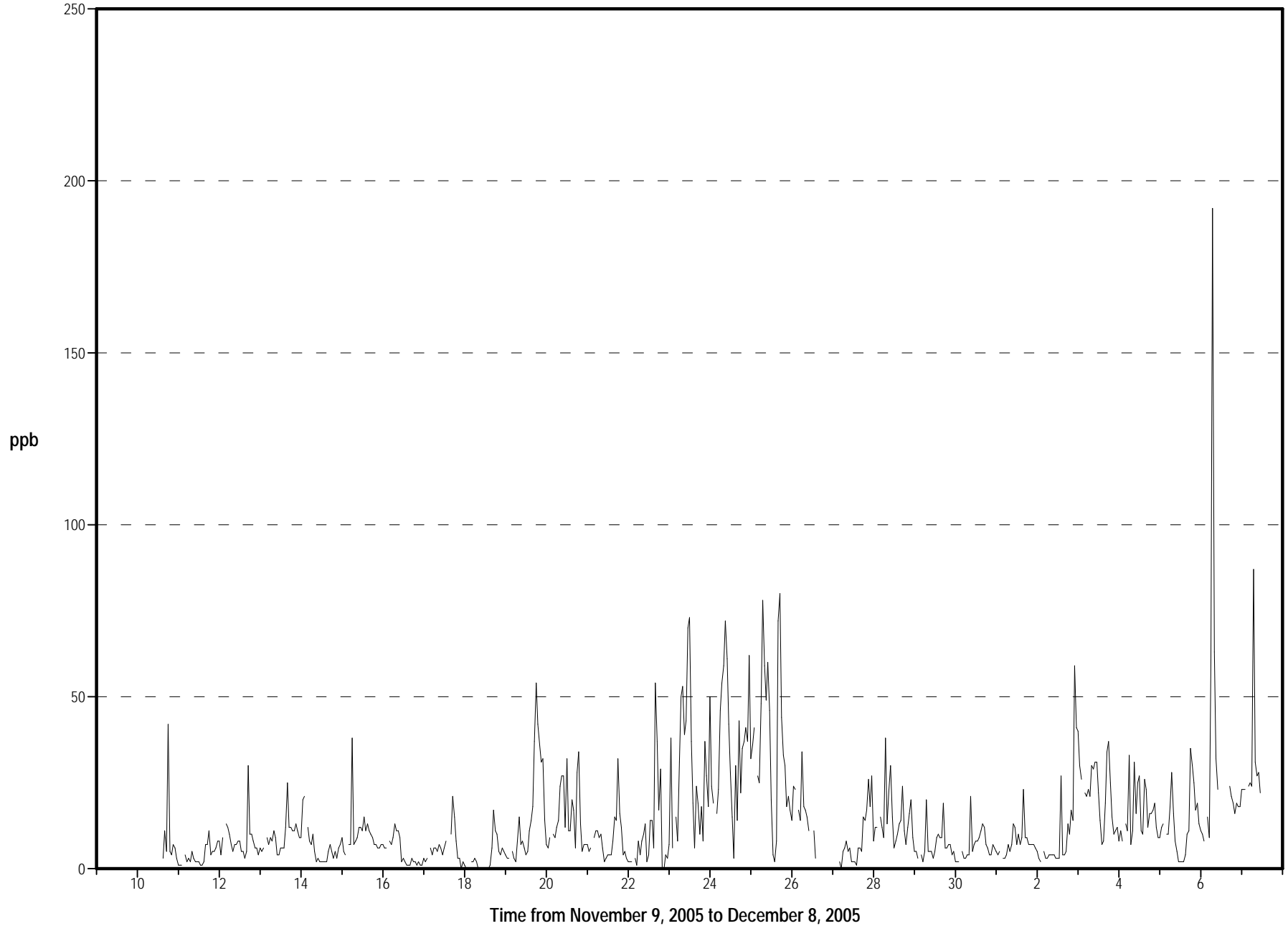


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 NOX (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	11	5	42	5	4	7	6	3	9.6
11	1	1	1	--	4	2	3	2	5	3	2	2	2	1	1	2	7	7	11	4	5	5	6	8	3.7
12	8	4	9	--	13	12	10	7	5	7	7	8	8	5	5	3	5	30	10	10	8	6	6	4	8.3
13	6	5	6	--	9	7	9	8	11	9	4	4	6	6	6	12	25	12	12	11	11	13	11	9	9.2
14	9	20	21	--	12	8	7	10	5	2	3	2	2	2	2	5	7	5	3	5	3	6	7	6.4	
15	9	5	4	--	7	7	38	7	8	9	12	12	11	15	11	13	11	10	9	7	7	6	6	7	10.0
16	7	6	6	--	8	7	9	13	11	11	9	2	3	2	1	1	1	3	2	2	1	2	1	1	4.7
17	3	2	3	--	6	4	6	6	5	7	6	4	6	8	--	--	10	21	15	8	3	3	0	2	6.1
18	1	0	0	--	2	2	3	2	0	0	0	0	0	0	0	1	6	17	11	10	5	4	6	5	3.3
19	4	3	3	--	5	3	2	8	15	7	8	6	4	5	11	14	18	37	54	42	36	31	32	14	15.7
20	7	6	9	--	10	9	12	14	24	27	27	12	32	11	11	20	17	6	28	34	13	5	7	7	15.1
21	7	5	6	--	9	11	11	9	10	6	2	3	4	4	4	8	15	14	32	16	12	4	5	3	8.7
22	2	2	2	--	3	1	8	4	8	10	13	2	4	14	14	6	54	37	17	29	0	0	4	3	10.3
23	7	38	6	--	15	8	31	50	53	39	43	70	73	37	19	6	24	19	10	18	8	37	27	18	28.5
24	50	24	19	--	16	23	46	54	59	72	61	42	28	15	3	30	14	43	22	35	37	41	37	62	36.2
25	32	36	41	--	27	25	48	78	59	49	60	46	20	4	2	8	72	80	44	33	30	18	21	17	37.0
26	14	24	23	--	17	14	34	18	17	15	11	--	--	11	3	--	--	0	0	0	0	0	0	0	10.6
27	0	0	0	--	2	0	5	6	8	5	6	2	2	2	1	6	6	5	15	14	17	26	18	27	7.5
28	8	12	12	--	15	12	9	38	13	23	30	15	6	8	10	13	14	24	11	7	12	16	20	9	14.7
29	5	5	3	--	4	2	5	20	5	5	5	3	5	9	10	9	9	19	6	6	7	7	4	5	6.9
30	2	2	2	--	5	3	3	4	4	21	5	7	8	8	9	11	13	12	7	6	4	4	7	6	6.7
1	5	4	5	--	3	3	4	7	5	7	13	12	7	10	7	9	23	9	9	7	7	7	7	6	7.7
2	5	3	2	--	5	3	3	4	4	4	4	3	3	3	27	4	4	5	13	10	17	14	59	41	10.4
3	40	30	26	--	22	21	23	21	30	29	31	31	22	14	7	8	19	34	37	25	15	10	11	12	22.5
4	8	11	8	--	13	11	33	7	11	31	16	25	27	11	10	26	23	12	16	16	17	19	12	9	16.2
5	9	12	13	--	10	10	18	28	16	8	5	2	2	2	2	4	10	11	35	30	25	17	19	13	13.1
6	11	10	8	--	15	9	61	192	63	32	23	--	--	--	--	--	--	24	21	19	16	19	18	18	32.9
7	23	23	23	--	24	25	24	87	31	27	28	22	--	--	--	--	--	--	--	--	--	--	--	--	30.6
	10.5	10.9	9.7	--	10.4	9.0	17.2	26.1	18.0	17.2	16.1	13.5	11.9	8.3	7.3	9.1	16.6	18.6	18.3	15.1	11.9	12.0	13.2	11.7	
	Diurnal Average																								
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure																									
AF - Analyzer Failure UO - Unstable Operation SP - Spurious/Invalid Data NS - Not in Service																									
Maximum Value in Table: 192 First Occurrence on Day 6 Hour 8 Frequency: 1																									
Minimum Value in Table: 0 First Occurrence on Day 17 Hour 23 Frequency: 23																									
Maximum Daily Value: 37 First Occurrence on Day 25 Minimum Daily Value: 3 First Occurrence on Day 18																									
Maximum Diurnal Value: 26 First Occurrence at Hour 8 Minimum Diurnal Value: 7 First Occurrence at Hour 15																									
Monthly Mean: 13.7 Percentiles: P10 = 2.0 Q1 = 4.5 Median = 8.4 Q3 = 17.1 P90 = 31.5																									

Bentley NOX Maximum Values

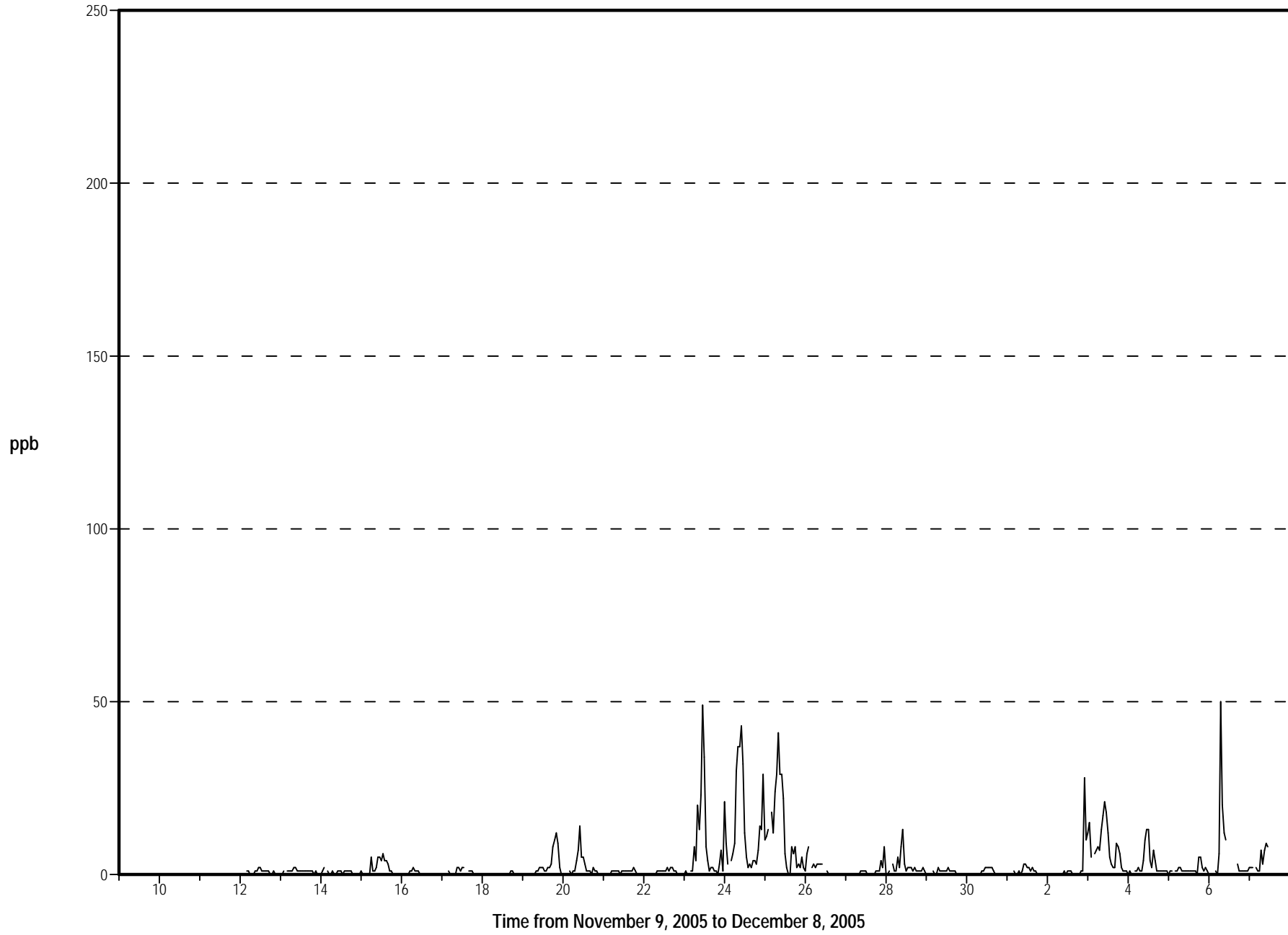


Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 NO (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	CAL	CAL	0	0	0	0	0	0	0	0	0	0.0
11	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12	0	0	0	ZS	1	1	0	0	0	0	1	1	2	2	1	1	1	1	1	0	0	1	0	0	0.6
13	0	0	1	ZS	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0.9
14	0	1	2	ZS	1	0	0	1	0	0	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0.6
15	1	0	0	ZS	0	0	5	1	1	2	5	5	4	6	4	4	3	1	1	0	0	0	0	0	1.9
16	0	0	0	ZS	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
17	0	0	0	ZS	1	0	0	0	0	2	2	1	2	2	PF	2	1	1	1	0	0	0	0	0	0.7
18	0	0	0	ZS	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0.1
19	0	0	0	ZS	0	0	0	0	1	1	2	2	2	1	1	2	2	3	8	10	12	9	2	0	2.5
20	0	0	0	ZS	1	0	1	1	4	7	14	5	5	3	1	1	1	0	2	1	1	0	0	0	2.1
21	0	0	0	ZS	0	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	0	0	0	0	0.7
22	0	0	0	ZS	0	0	0	0	1	1	1	1	1	1	2	1	2	2	1	1	0	0	0	0	0.7
23	0	1	0	ZS	1	1	8	4	20	13	23	49	34	8	4	1	2	2	1	1	0	3	7	1	8.0
24	21	9	3	ZS	4	6	9	30	37	37	43	32	12	5	2	3	2	4	4	3	7	14	13	29	14.3
25	10	11	13	ZS	18	12	24	29	41	29	29	22	6	2	0	0	8	6	8	2	3	2	5	2	12.3
26	1	6	8	ZS	2	3	2	3	3	3	3	3	3	1	0	M	M	0	0	0	0	0	0	0	2.0
27	0	0	0	ZS	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	1	4	2	8	0.9
28	0	0	1	ZS	3	1	1	5	2	8	13	3	1	2	2	2	1	2	1	1	1	1	2	1	2.3
29	0	0	0	ZS	1	0	0	2	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0.6
30	0	0	0	ZS	0	0	0	0	0	1	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0.6
1	0	0	0	ZS	1	0	0	1	0	1	3	3	2	2	1	2	1	1	0	0	0	0	0	0	0.8
2	0	0	0	ZS	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	1	1	28	10	1.9
3	12	15	5	ZS	6	7	8	7	13	17	21	18	12	5	3	2	2	9	8	6	2	1	1	1	7.9
4	0	1	0	ZS	1	1	2	1	1	4	10	13	13	4	2	7	4	1	1	1	1	1	1	1	3.1
5	0	1	1	ZS	1	1	2	2	1	1	1	1	1	1	1	1	1	0	5	5	2	1	2	1	1.4
6	0	0	0	ZS	1	0	6	50	20	12	10	9	CAL	CAL	CAL	CAL	CAL	3	1	1	1	1	1	1	6.5
7	2	2	2	ZS	2	1	1	7	3	7	9	8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.0
	1.7	1.7	1.3	---	1.7	1.4	2.7	5.5	5.7	5.7	7.3	6.8	4.3	2.0	1.3	1.4	1.4	1.5	1.8	1.3	1.2	1.4	2.4	2.0	
	Diurnal Average																								
ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure													
AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service													
Maximum Value in Table: 50				First Occurrence on Day 6 Hour 8				Frequency: 1				Hours in Service: 652													
Minimum Value in Table: 0				First Occurrence on Day 10 Hour 16				Frequency: 243				Hours of Data: 610													
Maximum Daily Value: 14.3				First Occurrence on Day 24				Minimum Daily Value: 0				Hours of Missing Data: 42													
Maximum Diurnal Value: 7				First Occurrence at Hour 11				Minimum Diurnal Value: 1				Hours of Calibration: 39													
Monthly Mean: 2.8				Percentiles: P10 = 0.0 Q1 = 0.2 Median = 0.7 Q3 = 1.9 P90 = 7.7				First Occurrence on Day 10				Percent Operational Time: 99.54													
								First Occurrence at Hour 21																	

Bentley NO Hourly Averages

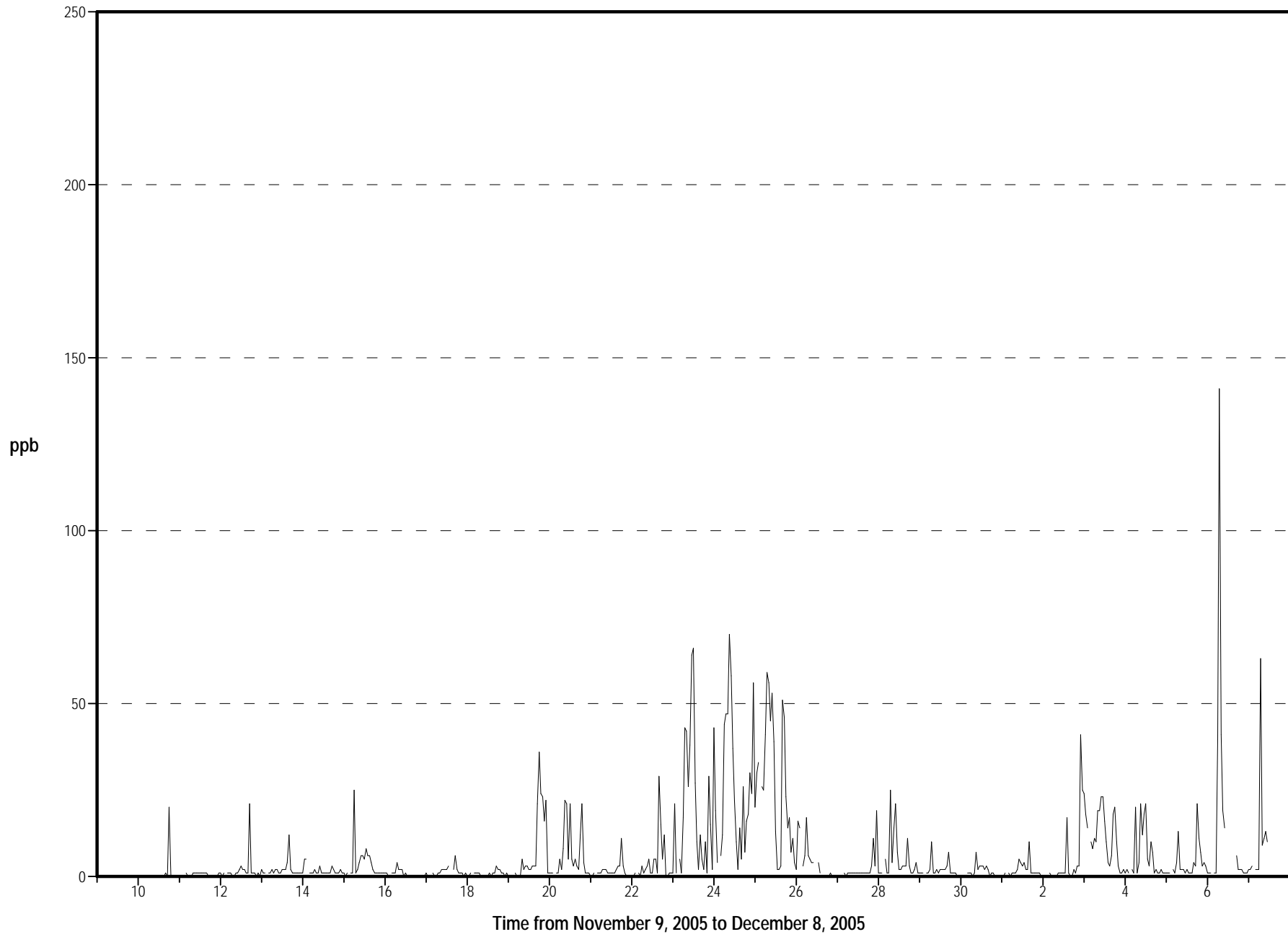


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 NO (ppb)

Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	20	0	0	0	0	0	0	2.3	
11	0	0	0	--	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0.5	
12	1	0	1	--	1	1	1	0	0	1	1	2	3	2	2	1	1	21	1	1	1	0	1	0	1.9	
13	2	1	1	--	1	1	2	1	2	2	1	1	2	2	2	4	12	2	1	1	1	1	1	1	2.0	
14	1	5	5	--	1	1	1	2	1	1	3	1	1	1	1	1	3	2	1	1	1	1	2	1	1.7	
15	1	0	1	--	1	1	25	1	2	4	6	6	5	8	6	6	4	2	1	1	1	1	1	1	3.7	
16	1	1	0	--	1	1	1	4	2	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0.7	
17	1	0	0	--	1	0	0	1	1	2	2	2	2	3	--	--	2	6	2	1	1	1	0	1	1.4	
18	0	0	1	--	1	1	1	1	0	0	0	0	0	1	0	1	1	3	2	2	1	1	0	1	0.8	
19	0	0	0	--	1	0	0	0	5	2	3	3	2	2	3	3	3	21	36	24	23	16	22	1	7.4	
20	1	1	1	--	1	1	5	2	8	22	21	5	21	5	3	5	3	2	12	21	4	1	1	1	6.4	
21	0	0	1	--	1	1	1	2	2	2	1	1	1	1	2	3	3	11	3	1	0	0	0	0	1.7	
22	0	0	1	--	1	0	3	1	2	3	5	1	1	5	5	1	29	15	5	12	0	0	1	1	4.0	
23	1	21	1	--	5	1	17	43	42	26	38	64	66	27	10	2	12	5	2	10	1	29	15	2	19.1	
24	43	19	4	--	6	12	44	47	47	70	58	37	22	10	2	14	5	26	7	16	18	30	24	56	26.8	
25	20	30	33	--	26	25	41	59	56	45	53	39	13	2	2	3	51	46	23	14	17	7	11	4	27.0	
26	2	16	14	--	3	6	17	6	5	4	4	--	--	4	1	--	--	0	0	0	1	0	0	0	4.4	
27	0	0	0	--	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	11	3	19	2.2	
28	1	1	1	--	5	1	1	25	4	14	21	7	2	2	3	3	3	11	3	1	1	2	4	1	5.1	
29	1	1	1	--	1	1	2	10	1	1	2	1	2	2	2	2	3	7	1	1	1	1	0	0	1.9	
30	0	0	0	--	1	1	1	0	1	7	2	3	3	3	2	3	2	0	1	1	0	0	0	0	1.3	
1	0	0	1	--	1	0	1	1	1	2	5	4	3	4	2	2	10	1	1	1	1	1	1	0	1.9	
2	0	0	0	--	1	0	0	0	0	1	1	1	1	1	17	1	0	0	2	1	3	3	41	25	4.3	
3	24	18	14	--	10	8	11	10	19	19	23	23	16	10	4	3	6	18	20	10	3	1	1	2	11.9	
4	1	2	1	--	2	1	20	1	4	21	12	18	21	5	3	10	7	1	2	1	1	2	1	1	6.0	
5	1	1	1	--	2	1	4	13	2	2	2	1	2	1	1	4	3	21	11	7	3	4	3	3	4.0	
6	1	1	1	--	1	1	40	141	41	19	14	--	--	--	--	--	6	2	2	2	1	1	1	1	16.2	
7	2	2	3	--	2	2	2	63	9	11	13	10	--	--	--	--	--	--	--	--	--	--	--	--	10.8	
	3.9	4.4	3.2	--	2.9	2.5	9.0	16.1	9.6	10.6	10.9	9.3	8.0	4.1	3.1	2.9	6.6	7.5	6.6	5.1	3.4	4.2	5.0	4.6		
Diurnal Average																										
ZS - Zero/Span Calibration							CAL - Multipoint Calibration							M - Maintenance							DAF - Data Acquisition Failure					
AF - Analyzer Failure							UO - Unstable Operation							SP - Spurious/Invalid Data							NS - Not in Service					
Maximum Value in Table: 141							First Occurrence on Day 6 Hour 8							Frequency: 1												
Minimum Value in Table: 0							First Occurrence on Day 10 Hour 16							Frequency: 102												
Maximum Daily Value: 27							First Occurrence on Day 25							Minimum Daily Value: 0							First Occurrence on Day 11					
Maximum Diurnal Value: 16							First Occurrence at Hour 8							Minimum Diurnal Value: 3							First Occurrence at Hour 6					
Monthly Mean: 6.3							Percentiles: P10 = 0.3 Q1 = 0.7 Median = 1.4 Q3 = 4.7 P90 = 19.8																			

Bentley NO Maximum Values

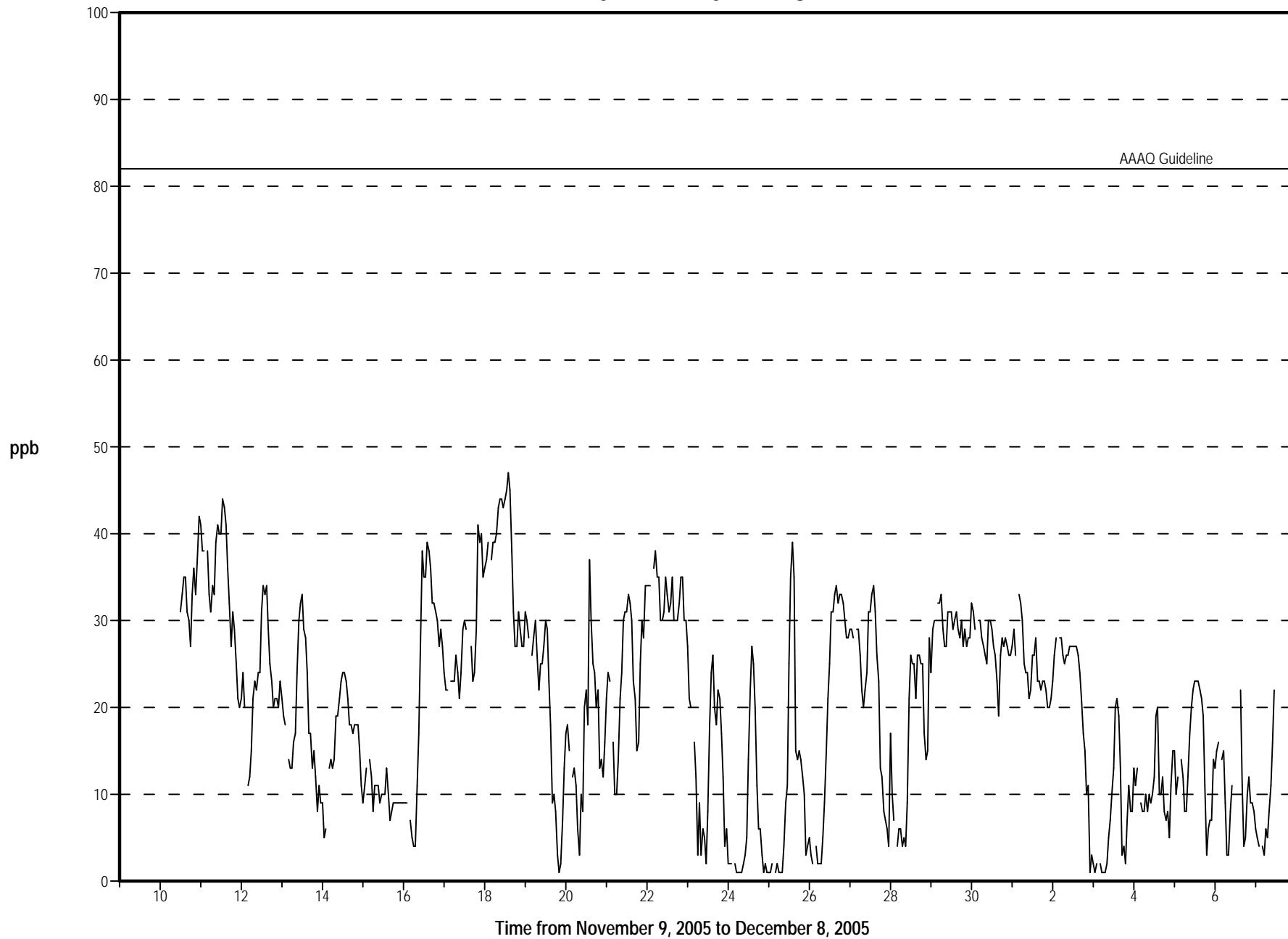


Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 O3 (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	31	33	35	35	31	30	27	33	36	33	37	42	33.6
11	41	38	38	ZS	38	33	31	34	33	39	41	40	40	44	43	41	36	32	27	31	29	25	21	20	34.6
12	21	24	20	ZS	11	12	15	21	23	22	24	24	31	34	33	34	29	25	23	20	21	21	20	23	23.1
13	21	19	18	ZS	14	13	13	16	17	24	30	32	33	29	28	24	17	17	13	15	12	8	11	9	18.8
14	9	5	6	ZS	13	14	13	14	19	19	21	23	24	24	23	21	18	18	17	18	18	18	15	11	16.6
15	9	11	13	ZS	14	12	8	11	11	11	9	10	10	10	13	10	7	8	9	9	9	9	9	9	10.0
16	9	9	9	ZS	7	5	4	4	11	17	27	38	35	35	39	38	36	32	32	31	30	27	29	27	23.1
17	24	22	22	ZS	23	23	23	26	24	21	24	29	30	29	PF	27	27	23	24	29	41	39	40	35	27.5
18	36	37	39	ZS	37	39	39	40	43	44	44	43	44	45	47	45	38	31	27	27	31	29	27	27	37.3
19	31	30	28	ZS	26	28	30	26	22	25	25	27	30	29	23	18	9	10	8	3	1	2	7	13	19.6
20	17	18	15	ZS	12	13	11	6	3	10	8	20	22	18	37	30	25	24	20	22	13	14	12	16	16.8
21	21	24	23	ZS	16	10	10	14	21	24	30	31	31	33	32	30	23	21	15	16	25	30	28	34	23.6
22	34	34	34	ZS	36	38	35	35	30	30	31	35	33	31	32	35	30	30	30	32	35	35	30	30	32.8
23	27	21	20	ZS	16	12	3	9	3	6	5	2	8	18	24	26	20	18	22	21	17	12	4	6	13.9
24	2	2	2	ZS	2	1	1	1	1	2	3	5	14	22	27	25	20	11	6	6	3	1	2	1	7.0
25	1	1	2	ZS	1	2	1	1	1	4	9	11	25	35	39	35	15	14	15	14	12	10	3	4	11.1
26	5	3	2	ZS	4	2	2	2	5	9	15	21	25	31	31	33	34	32	33	33	32	30	28	28	19.1
27	29	29	28	ZS	29	29	26	22	20	22	24	31	31	33	34	31	26	23	13	12	8	7	6	4	22.5
28	17	10	7	ZS	4	6	6	4	5	4	9	21	26	25	25	21	26	26	25	25	17	14	15	28	15.9
29	24	29	30	ZS	32	32	33	29	27	27	31	31	31	29	30	31	29	28	30	27	29	27	28	28	29.2
30	32	31	29	ZS	30	30	28	27	26	25	30	30	29	27	26	23	19	26	28	27	28	27	26	26	27.4
1	27	29	26	ZS	33	32	30	25	24	24	21	22	26	26	28	23	23	22	23	23	22	20	20	21	24.8
2	23	26	28	ZS	28	28	26	25	26	26	27	27	27	27	27	26	24	21	17	15	10	11	1	3	21.7
3	2	1	2	ZS	2	1	1	1	2	5	7	10	13	20	21	19	13	3	4	2	7	11	8	8	7.1
4	13	11	13	ZS	9	8	8	10	8	10	9	10	12	19	20	10	10	12	8	7	8	5	11	15	10.7
5	15	10	12	ZS	14	12	8	8	12	17	20	22	23	23	23	22	21	19	11	3	6	7	7	14	14.3
6	13	15	16	ZS	14	15	9	3	3	8	11	16	CAL	CAL	CAL	22	11	4	5	10	12	9	9	8	10.7
7	6	5	4	ZS	4	3	6	5	8	11	16	22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8.2
	18.9	18.3	18.0	---	17.4	16.8	15.6	15.5	15.9	18.0	20.4	23.4	26.3	28.0	29.6	27.2	22.9	20.7	19.0	18.9	19.0	17.8	16.8	18.1	
	Diurnal Average																								
	ZS - Zero/Span Calibration				CAL - Multipoint Calibration				M - Maintenance				DAF - Data Acquisition Failure												
	AF - Analyzer Failure				UO - Unstable Operation				PF - Power Failure				NS - Not in Service												
	Maximum Value in Table: 47				First Occurrence on Day 18 Hour 15				Frequency: 1				Hours in Service: 652												
	Minimum Value in Table: 1				First Occurrence on Day 19 Hour 21				Frequency: 18				Hours of Data: 617												
	Maximum Daily Value: 37.3				First Occurrence on Day 18				Minimum Daily Value: 7				First Occurrence on Day 24												
	Maximum Diurnal Value: 30				First Occurrence at Hour 15				Minimum Diurnal Value: 16				First Occurrence at Hour 8												
	Monthly Mean: 20.1				Percentiles: P10 = 4.1 Q1 = 10.2 Median = 21.2 Q3 = 29.0 P90 = 33.8				Percent Operational Time: 99.85																

Bentley O3 Hourly Averages

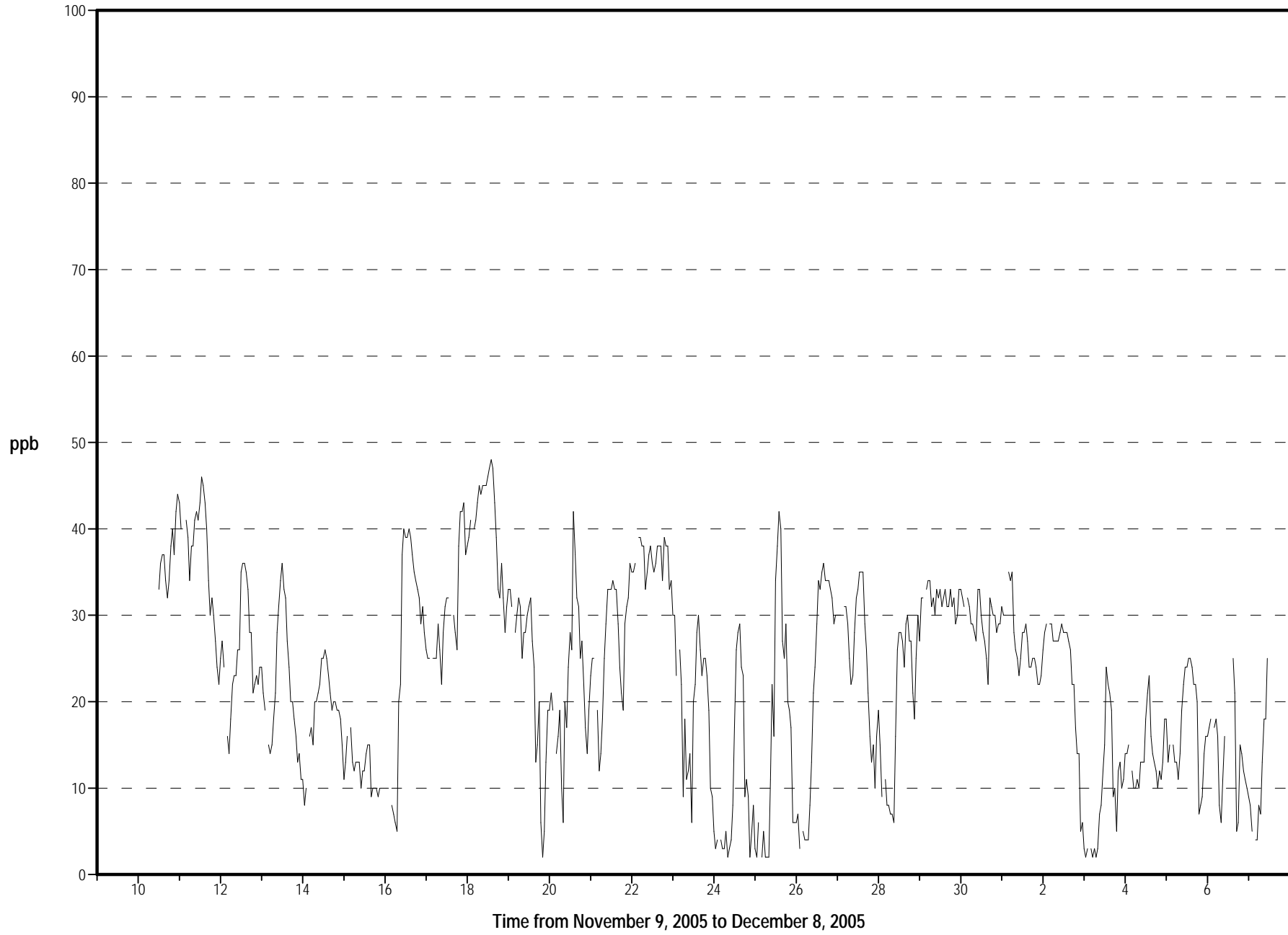


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 O3 (ppb)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---
10	--	--	--	--	--	--	--	--	--	--	--	--	33	36	37	37	34	32	34	38	40	37	42	44	37.0
11	43	40	40	--	41	39	34	38	38	41	42	41	43	46	45	43	40	34	30	32	30	27	24	22	37.1
12	25	27	24	--	16	14	18	22	23	23	26	26	35	36	36	35	33	28	28	21	22	23	22	24	25.5
13	24	21	19	--	15	14	15	18	21	28	31	34	36	33	32	27	24	20	20	18	16	13	14	11	21.9
14	11	8	10	--	16	17	15	20	20	21	22	25	25	26	25	23	21	19	20	20	19	19	18	15	18.9
15	11	13	16	--	17	13	12	13	13	13	10	12	12	14	15	15	9	10	10	10	9	10	10	10	12.0
16	10	10	10	--	8	7	6	5	20	22	37	40	39	39	40	39	37	35	34	33	32	29	31	28	25.7
17	26	25	25	--	25	25	25	29	26	22	28	31	32	32	--	--	30	28	26	38	42	42	43	37	30.3
18	38	39	41	--	40	41	43	45	44	45	45	45	46	47	48	47	43	39	33	32	36	32	28	31	40.3
19	33	33	31	--	28	30	32	31	25	28	28	30	31	32	27	24	13	15	20	6	2	5	13	19	23.3
20	19	21	19	--	14	16	19	10	6	20	17	24	28	26	42	37	32	31	25	27	22	17	14	19	22.0
21	23	25	25	--	19	12	14	18	25	29	33	33	33	34	33	33	29	24	21	19	29	31	32	36	26.5
22	35	35	36	--	39	39	38	38	33	35	37	38	36	35	36	38	38	38	34	39	38	38	33	34	36.5
23	30	30	23	--	26	22	9	18	11	12	14	6	20	22	28	30	26	23	25	25	23	19	10	9	20.0
24	5	3	4	--	4	3	3	5	2	3	4	8	17	26	28	29	24	23	9	11	9	2	5	8	10.2
25	3	2	6	--	2	5	2	2	2	11	22	16	34	38	42	40	27	25	29	20	19	17	6	6	16.3
26	6	7	3	--	5	4	4	4	8	13	21	24	29	34	33	35	36	34	34	34	33	32	29	30	21.4
27	30	30	30	--	31	31	29	25	22	23	28	32	33	35	35	35	29	26	21	16	13	15	10	16	25.9
28	19	15	9	--	11	8	8	7	7	6	16	26	28	28	27	24	29	30	27	27	21	18	25	30	19.4
29	27	32	32	--	33	34	34	31	32	30	33	32	33	31	32	33	31	31	33	31	32	29	30	33	31.7
30	33	32	31	--	32	31	29	29	28	27	33	33	30	28	27	25	22	32	31	30	30	28	29	29	29.5
1	31	30	30	--	35	34	35	28	26	25	23	25	28	28	29	27	24	24	25	25	24	22	22	23	27.1
2	26	28	29	--	29	29	27	27	27	27	28	29	28	28	28	27	26	22	22	17	14	14	5	6	23.6
3	3	2	3	--	3	2	3	2	3	7	8	12	15	24	22	21	19	9	10	5	12	13	10	11	9.5
4	14	14	15	--	12	10	10	11	10	13	13	13	18	21	23	16	14	13	12	10	12	11	13	18	13.7
5	18	13	15	--	15	13	13	11	14	19	22	24	24	25	25	24	22	22	20	7	8	9	14	16	17.1
6	16	17	18	--	17	18	16	8	6	11	16	--	--	--	--	25	21	5	6	15	14	12	11	10	13.8
7	9	8	5	--	4	4	8	7	13	18	18	25	--	--	--	--	--	--	--	--	--	--	--	--	10.8
	21.0	20.7	20.3	--	19.9	19.1	18.6	18.6	18.7	21.2	24.3	26.3	29.5	30.9	31.8	30.3	27.1	24.9	23.7	22.4	22.3	20.9	20.1	21.3	
	Diurnal Average																								
ZS - Zero/Span Calibration	CAL - Multipoint Calibration							M - Maintenance							DAF - Data Acquisition Failure										
AF - Analyzer Failure	UO - Unstable Operation							SP - Spurious/Invalid Data							NS - Not in Service										
Maximum Value in Table: 48	First Occurrence on Day 18 Hour 15							Frequency: 1																	
Minimum Value in Table: 2	First Occurrence on Day 19 Hour 21							Frequency: 11																	
Maximum Daily Value: 40	First Occurrence on Day 18							Minimum Daily Value: 10							First Occurrence on Day 3										
Maximum Diurnal Value: 32	First Occurrence at Hour 15							Minimum Diurnal Value: 19							First Occurrence at Hour 7										
Monthly Mean: 23.1	Percentiles: P10 = 7.6 Q1 = 14.0 Median = 24.5 Q3 = 31.6 P90 = 37.2																								

Bentley O3 Maximum Values



**Parkland Airshed Management Zone
Summary of Running 8 Hour Averages**

AMS 110 (Bentley)
November 9, 2005 to December 8, 2005
O3 (ppb)

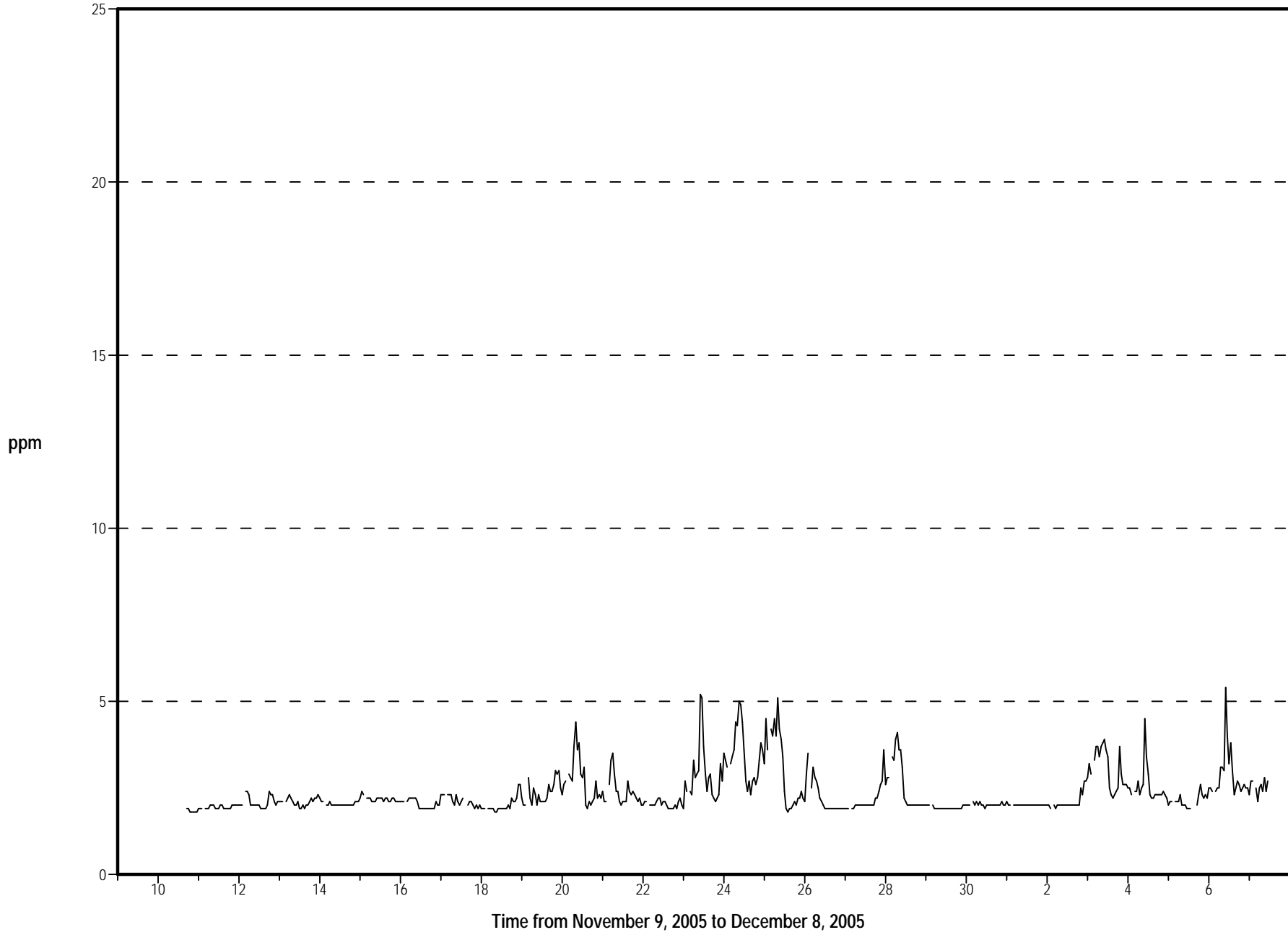
Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	33	32	32	33	33	33	34	32.9	
11	35	36	37	38	38	38	37	36	35	35	36	36	36	38	39	40	40	40	38	37	35	33	30	28	36.3	
12	26	25	24	23	20	18	18	18	18	18	18	19	22	24	27	28	29	29	29	29	27	26	24	23	23.4	
13	22	21	20	21	20	18	17	16	16	17	18	20	22	24	26	27	27	26	24	22	19	17	15	13	20.3	
14	12	10	9	9	9	9	10	10	12	14	16	17	18	20	21	22	22	22	21	21	20	19	18	17	15.8	
15	16	15	14	14	13	12	11	11	12	12	11	11	10	10	11	10	10	10	10	9	9	9	9	8	11.1	
16	9	9	9	9	9	8	7	7	7	8	11	14	18	21	26	30	33	35	36	35	34	33	32	30	19.6	
17	29	28	26	26	25	24	23	23	23	23	24	24	25	26	26	26	27	27	27	27	28	30	31	32	26.3	
18	33	35	37	38	37	37	37	38	39	40	41	41	42	43	44	44	44	42	40	38	36	34	32	30	38.4	
19	29	29	29	29	28	28	29	28	27	27	26	26	27	27	26	25	23	21	19	16	13	9	7	7	23.1	
20	8	9	10	11	12	14	14	13	11	10	9	10	12	12	16	19	21	23	25	25	24	23	20	18	15.4	
21	18	18	18	18	18	17	17	17	17	17	18	20	21	24	27	29	29	29	27	25	24	24	23	24	21.6	
22	25	27	29	31	33	34	35	35	35	34	34	34	33	33	32	32	32	32	32	32	32	32	32	31	32.1	
23	31	30	29	28	25	22	18	15	12	10	8	7	6	7	9	12	14	15	17	20	21	20	17	15	17.0	
24	13	11	8	6	4	3	2	2	2	2	2	2	4	6	9	12	15	16	16	17	15	13	9	6	8.1	
25	4	3	2	2	1	1	1	1	1	2	3	4	7	11	16	20	22	23	24	24	22	19	15	11	10.0	
26	10	8	7	6	4	3	3	3	3	4	6	8	10	14	17	21	25	28	30	31	32	32	32	31	15.3	
27	31	30	30	29	29	29	28	27	26	25	25	25	26	26	27	28	29	29	28	26	23	19	16	13	26.0	
28	11	10	9	8	8	8	8	8	6	5	5	7	10	13	15	17	20	22	24	25	24	22	21	22	13.7	
29	22	22	23	22	24	27	30	30	30	30	30	30	30	30	29	30	30	30	30	29	29	29	29	28	28.0	
30	29	29	29	29	29	30	30	30	29	28	28	28	28	28	27	27	26	26	26	26	26	26	26	26	26	27.8
1	27	27	27	27	28	28	29	29	28	28	27	26	26	25	24	24	24	24	24	24	24	23	22	22	25.7	
2	22	22	23	23	24	25	26	26	27	27	26	27	26	26	26	26	26	26	26	24	23	21	19	16	23.8	
3	10	8	6	4	3	2	2	1	1	2	3	4	5	7	10	12	14	13	13	12	11	10	8	7	7.0	
4	7	8	9	10	10	10	10	10	9	9	9	9	9	11	12	12	12	13	13	12	12	10	9	10	10.2	
5	10	10	11	11	12	13	12	11	11	12	13	14	15	17	19	20	21	22	21	18	16	14	12	11	14.4	
6	10	10	10	11	12	14	14	12	11	10	9	10	9	8	CAL	CAL	CAL	CAL	CAL	CAL	11	10	10	8	10.5	
7	8	8	8	8	6	6	5	5	5	6	7	9	10	11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.3	
	18.8	18.4	18.3	18.2	17.8	17.7	17.5	17.1	16.8	16.9	17.1	17.9	18.8	20.1	22.4	23.7	24.6	25.2	25.0	24.4	23.0	21.8	20.3	19.2		
	Diurnal Average																									
	ZS - Zero/Span Calibration						CAL - Multipoint Calibration						M - Maintenance						DAF - Data Acquisition Failure							
	AF - Analyzer Failure						UO - Unstable Operation						PF - Power Failure						NS - Not in Service							
	Maximum Value in Table: 44				First Occurrence on Day 18 Hour 15				Frequency: 3				Hours in Service: 652													
	Minimum Value in Table: 1				First Occurrence on Day 25 Hour 5				Frequency: 7				Hours of Data: 639													
	Maximum Daily Value: 38.4				First Occurrence on Day 18				Minimum Daily Value: 7				First Occurrence on Day 3													
	Maximum Diurnal Value: 25				First Occurrence at Hour 18				Minimum Diurnal Value: 17				First Occurrence at Hour 9													
	Monthly Mean: 20.0 Percentiles: P10 = 7.3 Q1 = 10.6 Median = 21.1 Q3 = 27.9 P90 = 32.6																									
	Hours of Calibration: 15				Percent Operational Time: 100.00																					

Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 THC (ppm)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8
11	1.9	1.9	1.9	ZS	1.9	1.9	1.9	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9
12	2.0	2.0	2.0	ZS	2.4	2.4	2.3	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.4	2.3	2.3	2.1	2.0	2.1	2.1
13	2.1	2.1	2.1	ZS	2.1	2.2	2.3	2.2	2.1	2.0	2.0	2.1	1.9	1.9	2.0	1.9	2.0	2.0	2.1	2.2	2.1	2.2	2.2	2.3	2.1
14	2.2	2.1	2.1	ZS	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	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0
15	2.2	2.4	2.3	ZS	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.2
16	2.1	2.1	2.1	ZS	2.1	2.2	2.2	2.2	2.2	2.2	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.0	2.0	2.0
17	2.3	2.3	2.3	ZS	2.3	2.3	2.3	2.1	2.0	2.3	2.1	2.0	2.1	2.2	PF	PF	2.0	2.1	2.1	2.0	1.9	2.0	1.9	2.0	2.1
18	1.9	1.9	1.9	ZS	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.2	2.1	2.1	2.2	2.6	2.6	2.0
19	2.2	2.0	2.0	ZS	2.8	2.2	2.0	2.5	2.3	2.0	2.3	2.1	2.1	2.1	2.1	2.2	2.6	2.4	2.4	2.6	3.0	2.9	3.0	2.5	2.4
20	2.3	2.6	2.7	ZS	2.9	2.8	2.7	3.7	4.4	3.6	3.8	2.9	2.8	3.1	2.0	1.9	2.1	2.0	2.1	2.2	2.7	2.2	2.3	2.2	2.7
21	2.4	2.1	2.1	ZS	2.6	3.3	3.5	2.9	2.4	2.4	2.1	2.0	2.1	2.1	2.1	2.7	2.4	2.3	2.4	2.3	2.2	2.1	2.2	2.0	2.4
22	2.0	2.1	2.1	ZS	2.0	2.0	2.0	2.0	2.1	2.2	2.2	2.0	2.1	2.1	2.0	1.9	1.9	1.9	1.9	2.0	1.9	2.1	2.2	2.0	2.0
23	1.9	2.7	2.4	ZS	2.4	2.3	3.3	2.8	2.9	3.0	5.2	5.1	3.7	2.9	2.4	2.8	2.9	2.3	2.2	2.1	2.2	2.3	3.2	2.7	2.9
24	3.5	3.3	3.1	ZS	3.2	3.4	3.6	4.4	4.3	5.0	4.9	4.4	3.6	2.7	2.4	2.7	2.3	2.7	2.8	2.6	2.8	3.3	3.8	3.6	3.4
25	3.2	4.5	3.6	ZS	4.2	4.0	4.5	4.0	5.1	4.2	3.9	3.4	2.4	1.9	1.8	1.9	1.9	2.0	2.1	2.0	2.2	2.2	2.4	2.2	3.0
26	2.1	2.9	3.5	ZS	2.5	3.1	2.8	2.7	2.5	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.2
27	1.9	1.9	1.9	ZS	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.4	2.6	2.7	3.6	2.1
28	2.6	2.8	2.8	ZS	3.4	3.3	3.9	4.1	3.6	3.6	3.1	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6
29	2.0	2.0	2.0	ZS	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9
30	2.0	2.0	2.0	ZS	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.0	1.9	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	2.1	2.0	2.0	ZS	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	2.0	2.0	1.9	ZS	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.3	2.7	2.7	2.1
3	2.8	3.2	2.9	ZS	3.3	3.7	3.7	3.4	3.7	3.8	3.9	3.6	3.4	2.5	2.3	2.2	2.3	2.4	2.5	3.7	2.9	2.6	2.6	2.6	3.0
4	2.5	2.5	2.3	ZS	2.4	2.4	2.7	2.3	2.5	2.6	4.5	3.4	2.9	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.2	2.5
5	2.0	2.1	2.1	ZS	2.1	2.1	2.1	2.3	2.0	2.0	2.0	1.9	1.9	1.9	CAL	CAL	CAL	2.0	2.3	2.6	2.3	2.2	2.3	2.2	2.1
6	2.5	2.5	2.4	ZS	2.4	2.5	2.5	3.1	3.1	3.0	5.4	4.0	3.2	3.8	3.0	2.3	2.5	2.7	2.6	2.4	2.5	2.6	2.5	2.5	2.9
7	2.3	2.7	2.7	ZS	2.5	2.1	2.5	2.6	2.4	2.8	2.4	2.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5
	2.3	2.4	2.3	---	2.4	2.4	2.6	2.6	2.6	2.5	2.7	2.5	2.3	2.2	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3		
Diurnal Average																									
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure AF - Analyzer Failure UO - Unstable Operation PF - Power Failure NS - Not in Service																									
Maximum Value in Table: 5.4 First Occurrence on Day 6 Hour 11 Frequency: 1 Hours in Service: 647 Minimum Value in Table: 1.8 First Occurrence on Day 10 Hour 20 Frequency: 8 Hours of Data: 611 Maximum Daily Value: 3.4 First Occurrence on Day 24 Minimum Daily Value: 1.8 First Occurrence on Day 10 Hours of Missing Data: 36 Maximum Diurnal Value: 2.7 First Occurrence at Hour 11 Minimum Diurnal Value: 2.1 First Occurrence at Hour 15 Hours of Calibration: 34 Monthly Mean: 2.34 Percentiles: P10 = 1.92 Q1 = 1.97 Median = 2.10 Q3 = 2.44 P90 = 3.11 Percent Operational Time: 99.69																									

Bentley THC Hourly Averages

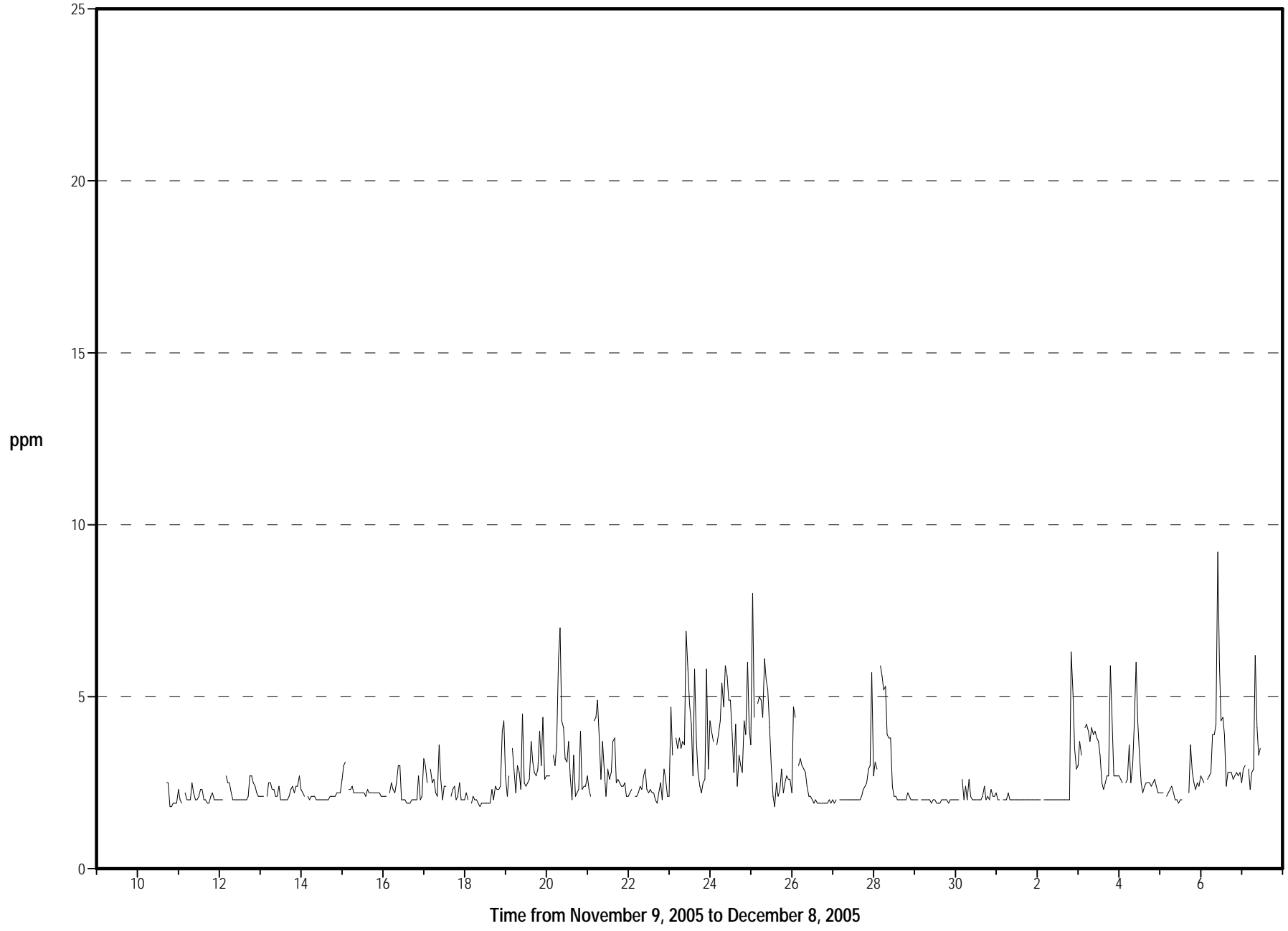


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 THC (ppm)

Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.5	2.5	1.8	1.8	1.9	1.9	1.9	2.04	
11	2.3	2.0	1.9	--	2.2	2.0	2.0	2.0	2.5	2.2	2.0	2.0	2.1	2.3	2.3	2.0	2.0	1.9	1.9	2.1	2.2	2.0	2.0	2.0	2.08	
12	2.0	2.0	2.0	--	2.7	2.5	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.7	2.7	2.5	2.4	2.2	2.1	2.20	
13	2.1	2.1	2.1	--	2.1	2.5	2.5	2.3	2.3	2.1	2.1	2.4	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.4	2.2	2.4	2.4	2.7	2.22	
14	2.3	2.2	2.1	--	2.1	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.09	
15	2.6	3.0	3.1	--	2.3	2.3	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.30	
16	2.1	2.1	2.1	--	2.2	2.5	2.3	2.2	2.5	3.0	3.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.7	2.0	2.1	2.20	
17	3.2	3.0	2.5	--	2.9	2.5	2.6	2.2	2.1	3.6	2.6	2.0	2.4	2.4	--	--	2.1	2.3	2.4	2.0	2.1	2.5	2.0	2.0	2.45	
18	2.0	2.2	2.0	--	1.9	2.1	2.0	2.0	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.0	2.4	2.3	2.3	2.4	4.0	4.3	2.23	
19	2.7	2.1	2.7	--	3.5	2.9	2.2	3.0	2.8	2.3	4.5	2.5	2.4	2.5	2.6	3.7	3.1	2.8	2.7	2.9	4.0	3.0	4.4	2.6	2.95	
20	2.7	2.7	2.7	--	3.3	3.0	3.6	6.1	7.0	4.3	4.1	3.2	3.1	3.7	2.7	2.0	3.3	2.1	2.2	2.3	4.0	2.3	2.4	2.4	3.27	
21	2.7	2.3	2.1	--	4.3	4.4	4.9	3.9	2.6	3.7	2.8	2.1	2.9	2.6	2.8	3.7	3.8	2.5	2.6	2.5	2.4	2.4	2.5	2.1	2.98	
22	2.1	2.2	2.3	--	2.1	2.1	2.2	2.4	2.3	2.7	2.9	2.3	2.2	2.3	2.2	2.2	2.0	1.9	2.2	2.5	2.0	2.9	2.6	2.1	2.29	
23	2.1	4.7	3.3	--	3.8	3.5	3.8	3.5	3.7	3.6	6.9	5.8	4.8	4.2	2.7	5.8	3.7	2.8	2.4	2.2	2.5	2.6	5.8	2.9	3.79	
24	4.3	4.0	3.7	--	3.6	3.9	4.3	5.4	4.7	5.9	5.6	4.9	4.9	3.9	2.8	4.2	2.4	3.3	3.0	2.8	4.3	3.9	6.0	4.1	4.17	
25	3.6	8.0	4.4	--	4.8	5.0	4.9	4.4	6.1	5.5	5.2	4.1	3.0	2.1	1.8	2.5	2.1	2.3	2.9	2.2	2.5	2.7	2.6	2.6	3.71	
26	2.2	4.7	4.4	--	3.0	3.2	3.0	2.9	2.8	2.4	2.1	2.1	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.43	
27	2.0	1.9	2.0	--	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.4	2.5	2.9	3.0	5.7	2.30	
28	2.7	3.1	2.9	--	5.9	5.6	5.2	5.3	3.9	3.8	3.8	2.4	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.1	2.0	2.0	3.00	
29	2.0	2.0	2.0	--	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	1.98	
30	2.0	2.0	2.0	--	2.6	2.0	2.4	2.0	2.6	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.4	2.0	2.1	2.0	2.3	2.1	2.1	2.12	
1	2.2	2.0	2.0	--	2.0	2.0	2.0	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.02	
2	2.0	2.0	2.0	--	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.3	5.1	3.5	2.9	2.43
3	3.0	3.7	3.3	--	4.1	4.2	4.0	3.7	4.1	3.9	4.0	3.8	3.7	3.3	2.5	2.3	2.5	2.7	2.7	5.9	4.4	2.7	2.7	2.7	3.47	
4	2.7	2.6	2.5	--	2.5	2.6	3.6	2.5	3.0	4.2	6.0	4.3	3.4	2.5	2.2	2.4	2.5	2.5	2.5	2.4	2.5	2.6	2.4	2.2	2.90	
5	2.2	2.2	2.2	--	2.1	2.2	2.3	2.4	2.2	2.0	2.0	1.9	2.0	2.0	--	--	--	2.2	3.6	2.8	2.5	2.3	2.5	2.4	2.30	
6	2.7	2.6	2.5	--	2.6	2.7	2.8	3.9	3.9	4.2	9.2	6.0	4.3	4.4	3.9	2.4	2.8	2.8	2.8	2.6	2.7	2.8	2.7	2.8	3.48	
7	2.5	2.9	3.0	--	2.9	2.3	2.8	2.9	6.2	4.1	3.3	3.5	--	--	--	--	--	--	--	--	--	--	--	--	3.31	
	2.48	2.83	2.59	---	2.87	2.81	2.90	2.95	3.09	3.02	3.34	2.79	2.59	2.47	2.26	2.46	2.35	2.28	2.38	2.41	2.67	2.56	2.74	2.55		
	Diurnal Average																									
ZS - Zero/Span Calibration	CAL - Multipoint Calibration							M - Maintenance							DAF - Data Acquisition Failure											
AF - Analyzer Failure	UO - Unstable Operation							SP - Spurious/Invalid Data							NS - Not in Service											
Maximum Value in Table: 9.2	First Occurrence on Day 6 Hour 11							Frequency: 1																		
Minimum Value in Table: 1.8	First Occurrence on Day 10 Hour 20							Frequency: 4																		
Maximum Daily Value: 4.2	First Occurrence on Day 24							Minimum Daily Value: 2.0							First Occurrence on Day 29											
Maximum Diurnal Value: 3.3	First Occurrence at Hour 11							Minimum Diurnal Value: 2.3							First Occurrence at Hour 15											
Monthly Mean: 2.67	Percentiles: P10 = 1.95 Q1 = 2.03 Median = 2.28 Q3 = 2.84 P90 = 4.07																									

Bentley THC Maximum Values

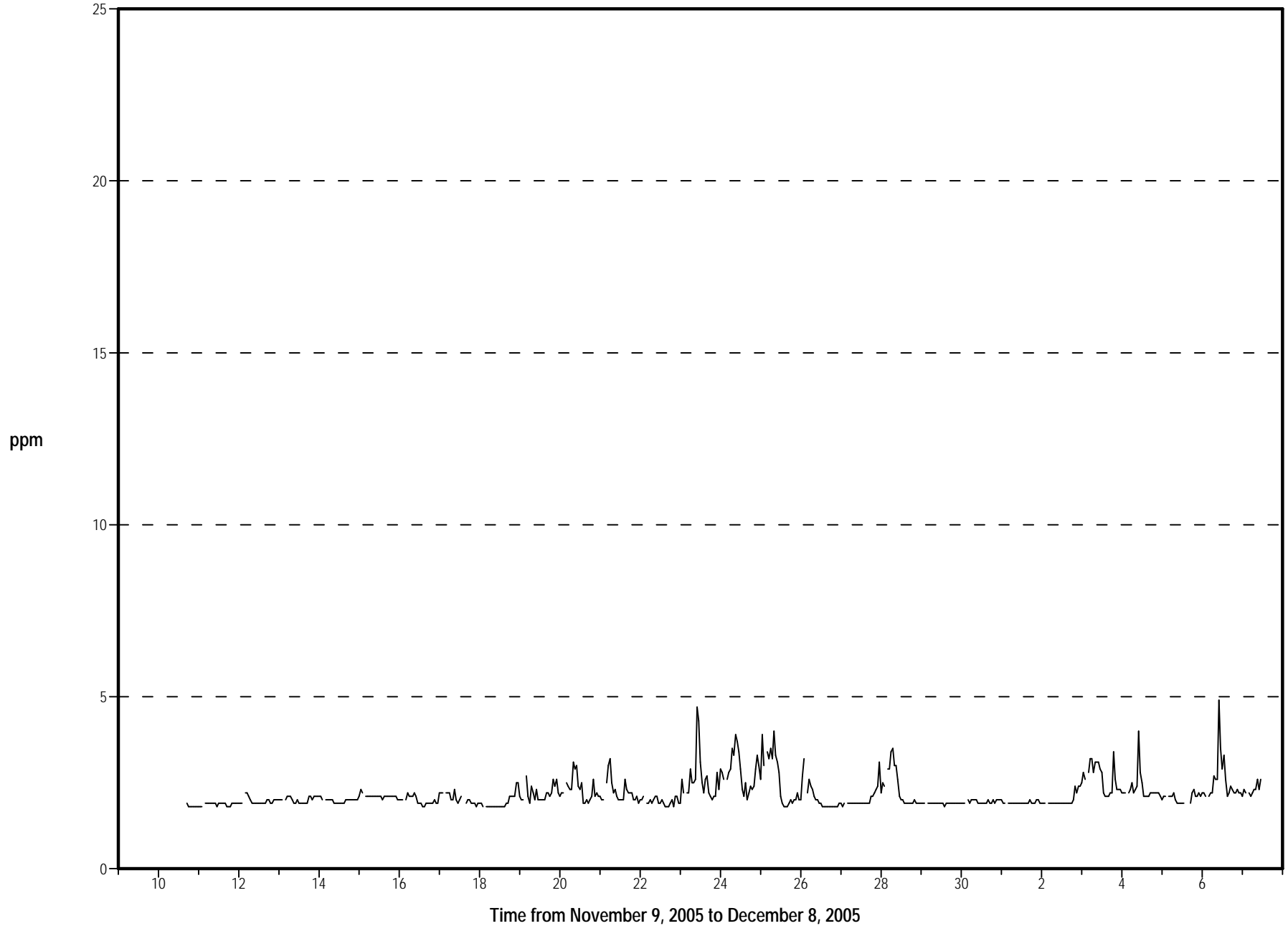


**Parkland Airshed Management Zone
Summary of Hourly Averages**

AMS 110 (Bentley)
November 9, 2005 to December 8, 2005
CH4 (ppm)

Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	---	
10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
11	1.8	1.8	1.8	ZS	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
12	1.9	1.9	1.9	ZS	2.2	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0
13	2.0	2.0	2.0	ZS	2.0	2.1	2.1	2.1	2.0	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.0
14	2.1	2.1	2.0	ZS	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15	2.1	2.3	2.2	ZS	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.1
16	2.0	2.0	2.0	ZS	2.0	2.2	2.1	2.1	2.1	2.2	2.1	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9	2.0
17	2.2	2.2	2.2	ZS	2.2	2.2	2.2	2.0	2.0	2.3	2.0	1.9	2.0	2.1	PF	PF	1.9	2.0	2.0	1.9	1.9	1.9	1.8	1.9	1.9	2.0
18	1.9	1.9	1.8	ZS	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.1	2.1	2.1	2.1	2.5	2.5	2.5	1.9
19	2.1	2.0	2.0	ZS	2.7	2.1	1.9	2.4	2.2	2.0	2.3	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.2	2.6	2.4	2.6	2.2	2.2	2.2
20	2.1	2.2	2.2	ZS	2.5	2.4	2.3	2.3	3.1	2.9	3.0	2.4	2.3	2.5	1.9	1.9	2.0	1.9	2.0	2.1	2.6	2.1	2.2	2.1	2.1	2.3
21	2.1	2.0	2.0	ZS	2.5	3.0	3.2	2.5	2.2	2.3	2.1	2.0	2.0	2.0	2.0	2.6	2.3	2.2	2.2	2.2	2.0	2.0	2.1	1.9	1.9	2.2
22	2.0	2.0	2.1	ZS	1.9	1.9	2.0	1.9	2.0	2.1	2.1	1.9	1.9	2.0	1.9	1.8	1.8	1.8	1.9	2.0	1.8	2.1	2.1	1.9	1.9	2.0
23	1.9	2.6	2.2	ZS	2.2	2.2	2.9	2.5	2.5	2.6	4.7	4.3	3.1	2.5	2.2	2.6	2.7	2.2	2.1	2.0	2.1	2.1	2.8	2.3	2.3	2.6
24	2.9	2.8	2.6	ZS	2.6	2.8	2.9	3.5	3.3	3.9	3.7	3.4	2.9	2.3	2.1	2.5	2.0	2.2	2.4	2.3	2.4	2.9	3.3	3.0	3.0	2.8
25	2.6	3.9	3.0	ZS	3.4	3.2	3.5	3.2	4.0	3.3	3.1	2.8	2.1	1.9	1.8	1.8	1.8	1.9	2.0	1.9	2.0	2.0	2.2	2.0	2.0	2.6
26	2.0	2.7	3.2	ZS	2.2	2.6	2.4	2.3	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.1
27	1.9	1.8	1.9	ZS	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.1	2.2	2.3	2.4	3.1	3.1	2.0
28	2.2	2.5	2.4	ZS	2.9	2.9	3.4	3.5	3.0	3.0	2.6	2.1	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	2.3
29	1.9	1.9	1.9	ZS	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
30	1.9	1.9	1.9	ZS	2.0	1.9	2.0	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	2.0	1.9	2.0	2.0	2.0	1.9
1	2.0	1.9	1.9	ZS	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	2.0	2.0	1.9	1.9	1.9
2	1.9	1.9	1.9	ZS	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	2.4	2.2	2.4	2.4	2.0
3	2.5	2.8	2.6	ZS	2.8	3.2	3.2	2.8	3.1	3.1	3.1	2.9	2.8	2.2	2.1	2.1	2.1	2.2	2.2	3.4	2.6	2.3	2.3	2.3	2.3	2.6
4	2.2	2.2	2.2	ZS	2.2	2.3	2.5	2.2	2.3	2.4	4.0	2.8	2.5	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.3
5	2.0	2.1	2.1	ZS	2.1	2.1	2.1	2.2	2.0	1.9	1.9	1.9	1.9	1.9	CAL	CAL	CAL	1.9	2.2	2.3	2.3	2.1	2.1	2.2	2.1	2.1
6	2.2	2.2	2.1	ZS	2.1	2.2	2.2	2.7	2.6	2.6	4.9	3.5	2.9	3.3	2.6	2.1	2.2	2.4	2.3	2.2	2.2	2.3	2.2	2.2	2.2	2.5
7	2.1	2.3	2.2	ZS	2.2	2.1	2.2	2.3	2.3	2.6	2.3	2.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.3
	2.1	2.2	2.2	---	2.2	2.3	2.3	2.3	2.3	2.3	2.5	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.1	
Diurnal Average																										
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure AF - Analyzer Failure UO - Unstable Operation PF - Power Failure NS - Not in Service																										
Maximum Value in Table: 4.9 First Occurrence on Day 6 Hour 11 Frequency: 1 Hours in Service: 647 Minimum Value in Table: 1.8 First Occurrence on Day 10 Hour 19 Frequency: 48 Hours of Data: 611 Maximum Daily Value: 2.8 First Occurrence on Day 24 Minimum Daily Value: 1.8 First Occurrence on Day 10 Hours of Missing Data: 36 Maximum Diurnal Value: 2.5 First Occurrence at Hour 11 Minimum Diurnal Value: 2.0 First Occurrence at Hour 15 Hours of Calibration: 34 Monthly Mean: 2.16 Percentiles: P10 = 1.86 Q1 = 1.91 Median = 2.02 Q3 = 2.22 P90 = 2.65 Percent Operational Time: 99.69																										

Bentley CH4 Hourly Averages

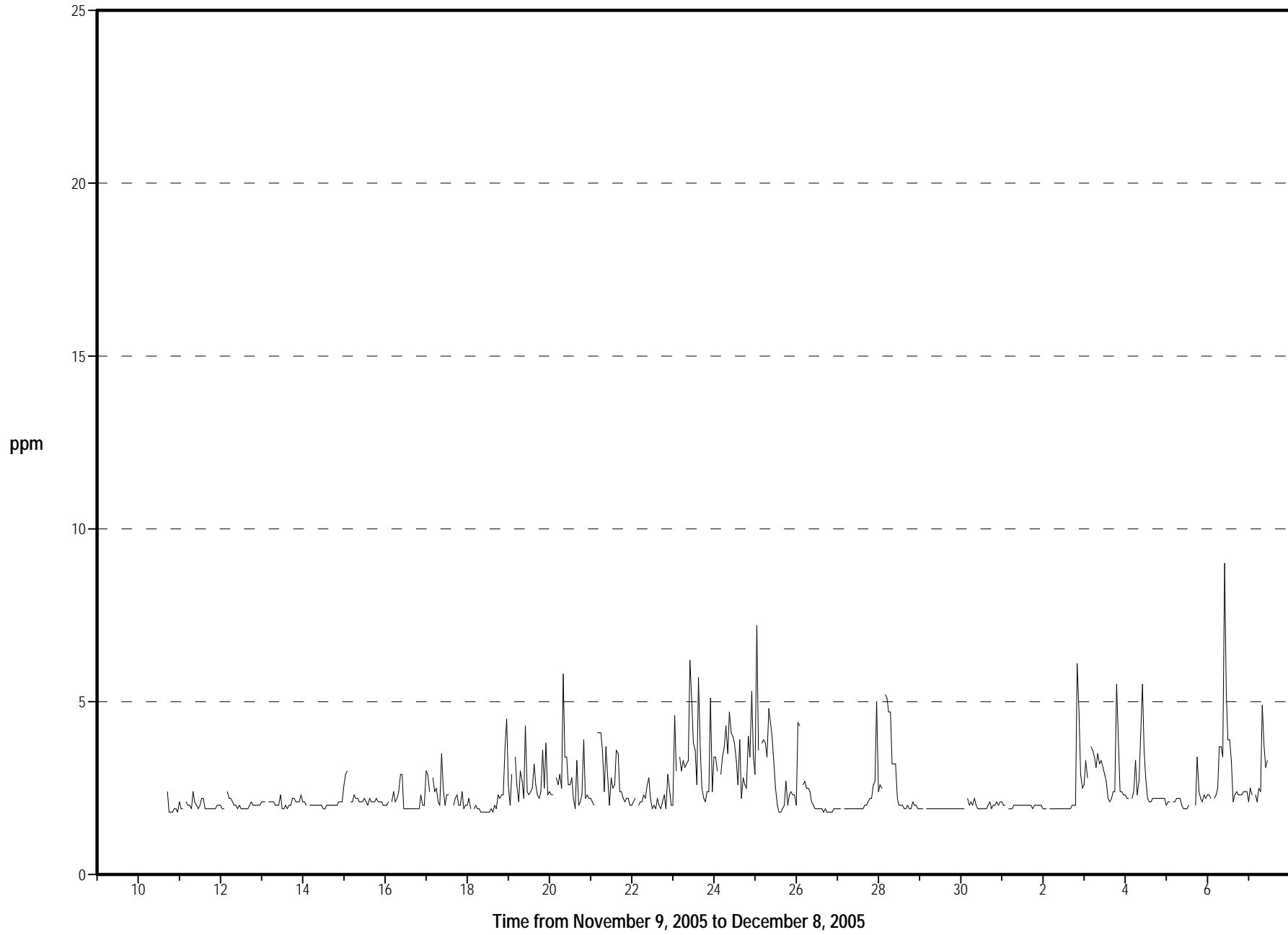


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 CH4 (ppm)

Day	Hourly Period Ending At																								Daily Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---		
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4	1.8	1.8	1.8	1.9	1.9	1.8	1.91		
11	2.1	1.9	1.9	--	2.1	2.0	2.0	1.9	2.4	2.1	2.0	1.9	2.0	2.2	2.2	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.01		
12	2.0	1.9	1.9	--	2.4	2.2	2.2	2.1	2.0	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.01		
13	2.1	2.1	2.1	--	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.3	1.9	1.9	2.0	1.9	2.0	2.0	2.2	2.2	2.1	2.1	2.1	2.3	2.07		
14	2.1	2.1	2.0	--	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	2.0	2.1	2.1	2.1	2.1	2.01		
15	2.6	2.9	3.0	--	2.1	2.1	2.3	2.2	2.2	2.1	2.1	2.1	2.2	2.1	2.0	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.0	2.22		
16	2.0	2.0	2.1	--	2.1	2.4	2.1	2.2	2.4	2.9	2.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.0	2.0	2.10		
17	3.0	2.9	2.4	--	2.8	2.4	2.5	2.1	2.0	3.5	2.5	2.0	2.3	2.3	--	--	2.0	2.2	2.3	2.0	2.0	2.4	1.9	2.0	2.36		
18	2.0	2.2	1.9	--	1.9	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	2.0	1.9	2.3	2.2	2.3	2.3	3.7	4.5	2.15		
19	2.6	2.0	2.9	--	3.4	2.6	2.1	3.0	2.7	2.2	4.3	2.4	2.3	2.4	2.5	3.2	2.6	2.3	2.2	2.4	3.6	2.5	3.8	2.3	2.71		
20	2.4	2.3	2.3	--	2.8	2.6	2.9	2.5	5.8	3.4	3.4	2.6	2.6	2.8	2.2	1.9	3.3	2.0	2.1	2.3	3.9	2.2	2.3	2.2	2.73		
21	2.2	2.1	2.0	--	4.1	4.1	4.1	3.6	2.4	3.7	2.8	2.0	2.8	2.5	2.6	3.6	3.5	2.4	2.4	2.2	2.1	2.2	2.2	2.0	2.77		
22	2.0	2.1	2.2	--	2.0	2.1	2.1	2.3	2.2	2.6	2.8	2.2	1.9	2.0	1.9	2.2	2.0	1.9	2.1	2.3	1.9	2.9	2.5	2.0	2.18		
23	2.0	4.6	3.0	--	3.4	3.0	3.3	3.1	3.2	3.3	6.2	5.0	3.8	3.6	2.6	5.7	3.6	2.5	2.2	2.1	2.4	2.4	5.1	2.4	3.41		
24	3.4	3.4	3.0	--	2.9	3.4	3.7	4.3	3.5	4.7	4.1	4.0	3.8	3.3	2.6	3.9	2.2	2.8	2.6	2.5	4.0	3.4	5.3	3.4	3.49		
25	2.9	7.2	3.6	--	3.8	3.9	3.8	3.4	4.8	4.4	4.0	3.2	2.5	2.0	1.8	1.8	1.9	2.0	2.7	2.0	2.3	2.4	2.3	2.3	3.09		
26	2.0	4.4	4.3	--	2.6	2.7	2.5	2.5	2.4	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.9	2.25		
27	1.9	1.9	1.9	--	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.6	2.7	5.0	2.14		
28	2.4	2.6	2.5	--	5.2	5.1	4.7	4.7	3.2	3.2	3.2	2.2	2.0	2.0	2.0	1.9	1.9	2.0	1.9	1.9	2.1	2.0	2.0	1.9	2.72		
29	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	1.9	1.90		
30	1.9	1.9	1.9	--	2.2	2.0	2.1	2.0	2.2	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	1.9	2.0	2.0	2.1	2.0	2.1	1.99		
1	2.1	2.0	2.0	--	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	1.99		
2	1.9	1.9	1.9	--	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	6.1	4.7	2.9	2.5	2.29		
3	2.6	3.3	2.8	--	3.7	3.6	3.4	3.1	3.5	3.2	3.3	3.1	2.9	2.7	2.2	2.1	2.2	2.4	2.4	5.5	4.0	2.4	2.4	2.3	3.00		
4	2.3	2.2	2.2	--	2.2	2.4	3.3	2.3	2.7	4.0	5.5	3.6	2.8	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.59		
5	2.0	2.1	2.1	--	2.1	2.1	2.2	2.2	2.2	2.0	1.9	1.9	1.9	2.0	--	--	--	2.0	3.4	2.4	2.2	2.1	2.3	2.2	2.17		
6	2.3	2.3	2.2	--	2.2	2.3	2.5	3.7	3.7	3.4	9.0	5.3	3.9	3.9	3.3	2.1	2.3	2.4	2.3	2.3	2.3	2.4	2.4	2.4	3.08		
7	2.1	2.5	2.3	--	2.3	2.1	2.5	2.4	4.9	3.7	3.1	3.3	--	--	--	--	--	--	--	--	--	--	--	--	2.84		
	2.25	2.62	2.38	---	2.59	2.55	2.59	2.57	2.74	2.74	3.05	2.53	2.33	2.27	2.13	2.32	2.20	2.12	2.17	2.23	2.49	2.34	2.52	2.36			
	Diurnal Average																										
ZS - Zero/Span Calibration	CAL - Multipoint Calibration						M - Maintenance						DAF - Data Acquisition Failure														
AF - Analyzer Failure	UO - Unstable Operation						SP - Spurious/Invalid Data						NS - Not in Service														
Maximum Value in Table: 9.0				First Occurrence on Day 6 Hour 11				Frequency: 1																			
Minimum Value in Table: 1.8				First Occurrence on Day 10 Hour 19				Frequency: 18																			
Maximum Daily Value: 3.5				First Occurrence on Day 24				Minimum Daily Value: 1.9				First Occurrence on Day 29															
Maximum Diurnal Value: 3.1				First Occurrence at Hour 11				Minimum Diurnal Value: 2.1				First Occurrence at Hour 18															
Monthly Mean: 2.44 Percentiles: P10 = 1.88 Q1 = 1.95 Median = 2.12 Q3 = 2.50 P90 = 3.55																											

Bentley CH4 Maximum Values

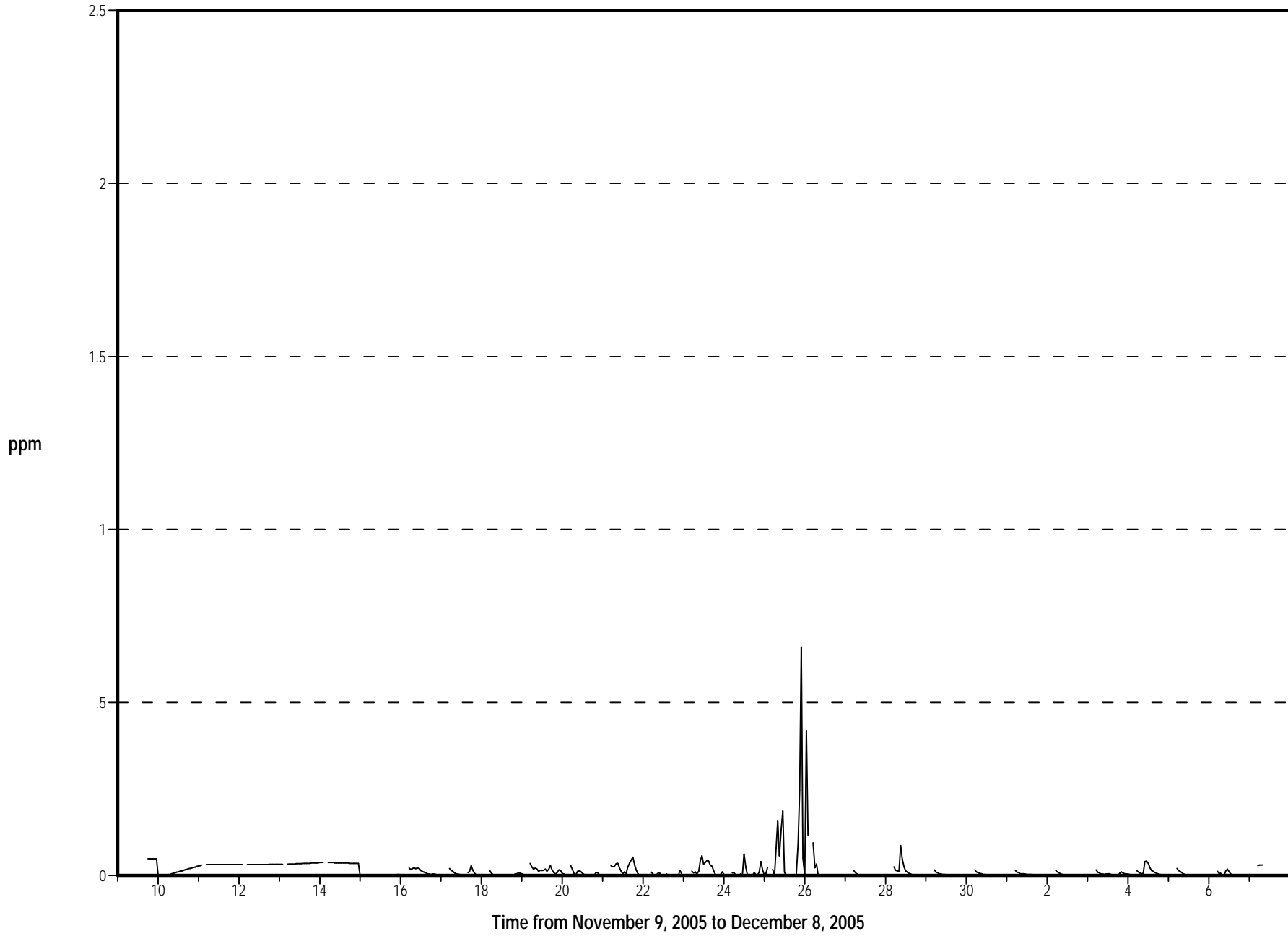


**Parkland Airshed Management Zone
Summary of Hourly Averages**

AMS 110 (Bentley)
November 9, 2005 to December 8, 2005
NH3 (ppm)

Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	CAL	CAL	CAL	CAL	CAL	CAL	CAL	CAL	.05	.05	.05	.05	.05	.05	.05
10	.00	.00	.00	ZS	ZS	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03	.01
11	.03	.03	.03	ZS	ZS	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
12	.03	.03	.03	ZS	ZS	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
13	.03	.03	.03	ZS	ZS	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03
14	.04	.04	.04	ZS	ZS	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04
15	.00	.00	.00	ZS	ZS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	ZS	ZS	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01
17	.00	.00	.00	ZS	ZS	.02	.02	.01	.01	.01	.01	.00	.00	.00	PF	.01	.01	.01	.01	.03	.01	.01	.00	.00	.00	.01
18	.00	.00	.00	ZS	ZS	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
19	.01	.00	.00	ZS	ZS	.04	.02	.02	.02	.02	.01	.02	.01	.02	.02	.01	.02	.03	.02	.01	.00	.01	.02	.01	.01	.01
20	.01	.00	.00	ZS	ZS	.03	.02	.01	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.01
21	.00	.00	.00	ZS	ZS	.03	.03	.03	.03	.04	.02	.01	.01	.01	.01	.02	.04	.05	.05	.03	.02	.01	.00	.00	.00	.02
22	.00	.00	.00	ZS	ZS	.01	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00
23	.00	.00	.00	ZS	ZS	.01	.01	.01	.00	.01	.04	.06	.03	.04	.04	.04	.03	.03	.01	.00	.00	.00	.00	.01	.01	.02
24	.00	.00	.00	ZS	ZS	.01	.01	.00	.00	.00	.01	.00	.06	.02	.00	.00	.00	.00	.01	.00	.00	.01	.04	.02	.01	.01
25	.00	.01	.02	ZS	ZS	.02	.00	.08	.16	.06	.13	.19	.01	.00	.00	.00	.00	.00	.00	.00	.09	.25	.66	.05	.08	
26	.00	.42	.12	ZS	ZS	.09	.02	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	
27	.00	.00	.00	ZS	ZS	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
28	.00	.00	.00	ZS	ZS	.03	.02	.01	.01	.09	.05	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	
29	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
30	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
1	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
2	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
3	.00	.00	.00	ZS	ZS	.02	.01	.01	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	
4	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.01	.04	.04	.04	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	
5	.00	.00	.00	ZS	ZS	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
6	.00	.00	.00	ZS	ZS	.01	.01	.01	.00	.00	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
7	.00	.00	.00	ZS	ZS	.03	.03	.03	.03	CAL	CAL	CAL	CAL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	.02	
	.01	.02	.01	---	---	.02	.01	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03	.01		
Diurnal Average																										
ZS - Zero/Span Calibration AF - Analyzer Failure						CAL - Multipoint Calibration UO - Unstable Operation						M - Maintenance PF - Power Failure						DAF - Data Acquisition Failure NS - Not in Service								
Maximum Value in Table: .66						First Occurrence on Day 25 Hour 23						Frequency: 1						Hours in Service: 674								
Minimum Value in Table: .00						First Occurrence on Day 10 Hour 1						Frequency: 192						Hours of Data: 606								
Maximum Daily Value: 0.1						First Occurrence on Day 25						Minimum Daily Value: .00						Hours of Missing Data: 68								
Maximum Diurnal Value: .03						First Occurrence at Hour 23						Minimum Diurnal Value: .01						First Occurrence at Hour 1								
Monthly Mean: .01						Percentiles: P10 = 0.00 Q1 = 0.00 Median = 0.00 Q3 = 0.02 P90 = 0.03												Percent Operational Time: 99.85								

Bentley NH3 Hourly Averages

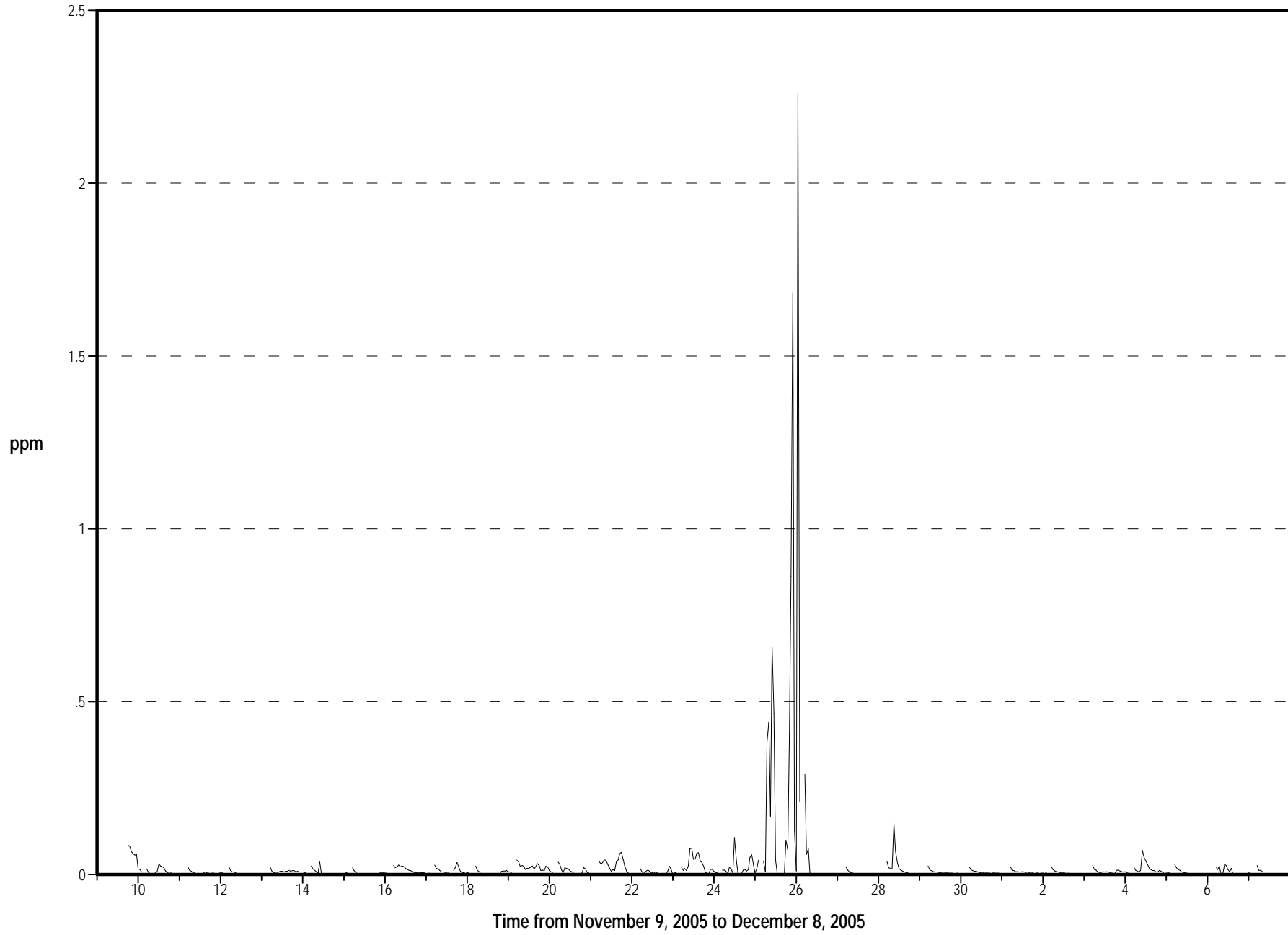


Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 NH3 (ppm)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.09	.08	.07	.06	.06	.06	.07
10	.02	.02	.01	--	--	.02	.01	.00	.00	.00	.01	.01	.03	.03	.02	.02	.01	.01	.00	.01	.00	.00	.00	.00	.01
11	.00	.00	.00	--	--	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
12	.01	.01	.00	--	--	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	--	--	.02	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
14	.01	.01	.01	--	--	.03	.02	.01	.01	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
15	.00	.00	.01	--	--	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00
16	.00	.00	.00	--	--	.03	.02	.02	.03	.02	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
17	.00	.00	.00	--	--	.03	.02	.02	.01	.01	.01	.01	.00	.01	--	--	.01	.02	.04	.02	.01	.01	.01	.00	.01
18	.01	.00	.00	--	--	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
19	.01	.01	.00	--	--	.04	.04	.02	.03	.02	.02	.02	.02	.02	.03	.02	.02	.03	.03	.01	.01	.01	.02	.02	.02
20	.01	.01	.01	--	--	.04	.03	.01	.01	.02	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02	.01	.00	.01
21	.00	.00	.00	--	--	.04	.03	.03	.04	.04	.03	.02	.01	.01	.01	.04	.04	.06	.06	.04	.02	.01	.00	.00	.03
22	.00	.00	.00	--	--	.02	.01	.00	.01	.01	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01
23	.00	.01	.01	--	--	.02	.01	.02	.01	.03	.07	.08	.04	.05	.06	.06	.04	.04	.04	.02	.01	.00	.00	.02	.03
24	.01	.01	.01	--	--	.01	.01	.01	.00	.02	.02	.01	.11	.04	.00	.00	.00	.00	.01	.02	.01	.01	.05	.06	.03
25	.01	.02	.04	--	--	.04	.01	.38	.44	.17	.66	.47	.04	.00	.00	.00	.00	.00	.10	.07	.40	.86	1.68	.13	.25
26	.01	2.26	.21	--	--	.29	.06	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
27	.00	.00	.00	--	--	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	--	--	.04	.02	.02	.02	.15	.07	.04	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.02
29	.00	.00	.00	--	--	.03	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.01
30	.00	.00	.00	--	--	.02	.01	.01	.01	.01	.01	.01	.01	.00	.01	.00	.01	.00	.00	.00	.01	.00	.00	.00	.01
1	.00	.00	.00	--	--	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.00	.00	.01	.00	.01
2	.00	.00	.01	--	--	.02	.01	.01	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	--	--	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01
4	.01	.01	.00	--	--	.02	.01	.01	.01	.01	.07	.05	.04	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.02
5	.00	.01	.01	--	--	.03	.02	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
6	.00	.00	.00	--	--	.02	.02	.02	.00	.00	.03	.03	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
7	.01	.00	.00	--	--	.03	.01	.01	.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.01
	.00	.08	.01	--	--	.03	.02	.03	.02	.02	.04	.03	.02	.01	.01	.01	.01	.01	.01	.01	.02	.04	.07	.01	
Diurnal Average																									
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure AF - Analyzer Failure UO - Unstable Operation SP - Spurious/Invalid Data NS - Not in Service																									
Maximum Value in Table: 2.26 First Occurrence on Day 26 Hour 2 Frequency: 1 Minimum Value in Table: .00 First Occurrence on Day 10 Hour 22 Frequency: 101 Maximum Daily Value: .25 First Occurrence on Day 25 Minimum Daily Value: .00 First Occurrence on Day 27 Maximum Diurnal Value: .08 First Occurrence at Hour 2 Minimum Diurnal Value: .00 First Occurrence at Hour 1 Monthly Mean: .02 Percentiles: P10 = 0.00 Q1 = 0.00 Median = 0.01 Q3 = 0.01 P90 = 0.03																									

Bentley NH3 Maximum Values



**Parkland Airshed Management Zone
Summary of Hourly Averages**

AMS 110 (Bentley)
November 9, 2005 to December 8, 2005
Wind Direction, Wind Speed (kph), 10 m

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	SSW5	SSE5	SSE5	SSE7	SSE10	SSE7	SSW8	SSW11	S5	S7
10	S5	SSE5	ESE10	SE11	SE11	SSE16	SSE18	SSE18	SSE14	SE13	SE9	SSE8	S16	SSE21	SSE20	SSE17	SSE6	SE2	NW4	N20	N16	NNW13	N17	N14	SE6
11	NW12	W10	WNW10	WNW9	WNW8	SW9	WSW8	SW11	SSW2	SSW8	SSW9	SSW18	SSW18	S19	S17	SSE14	SE7	SE5	SE8	SE10	SE8	SSE10	SSE8	SSE11	SSW7
12	SSE10	E2	NNW1	W2	NNW11	NNW8	NNW11	NW19	NW23	NW20	NW18	NNW16	N12	N9	NE6	ENE6	E4	SE5	SE6	SE7	SE9	SE9	SE9	SSE11	NNW4
13	SE10	SSE10	SSE12	SE8	SE7	SE8	ESE8	ESE7	ESE6	ESE5	SE5	S6	SSE4	SE3	SE2	NE4	NE7	NNE7	N12	NNE12	NNW8	N12	N13	NNW11	E3
14	NNW18	NNW20	NNW18	NNW24	NNW21	NNW23	NNW24	NNW23	NW25	NW31	NW28	NW30	NW25	NW24	NW21	NW18	NNW12	NNW11	NNW8	N8	NNW6	NNW3	ESE3	SSE5	NNW17
15	SSE6	S3	WNW2	NNW4	NNW3	N3	NE4	ENE6	E7	ENE7	ENE6	E6	ESE5	SE6	SE7	ESE6	E5	SSE9	SSE11	SSE10	SSE11	SSE14	SSE13	SSE14	SE5
16	SSE13	SSE13	SSE13	SSE12	SSE10	SSE5	SE7	SE5	SW3	SE3	NW9	NW18	WNW12	WNW13	NW24	WNW24	NW24	NW20	NW24	NW18	NW14	NW11	NW13	WNW7	WNW7
17	SW4	WSW2	SSW4	S5	SSE5	S5	SSW7	SW8	SSW8	S6	SSW7	SSW9	SSW11	SSW10	**	SSE10	SSE7	SE4	SE5	SW10	WSW16	WSW15	SW18	SW15	SSW7
18	WSW16	SW9	WSW15	WSW13	SW13	WSW17	W14	NW33	NW46	NW46	NW47	NW48	NW41	NW38	NW33	NW20	NW10	N3	SSE1	SE4	SE4	SE5	S6	SSW8	WNW16
19	SSW7	SW7	SSW10	S7	S8	SSE8	SSE6	S6	S3	WSW6	SSW9	S8	S3	S6	SE5	SE4	SE3	E1	N1	N2	SE1	ENE1	SE5	ESE4	S4
20	SE5	ESE6	ESE5	SE5	SSE3	SE3	ENE1	N2	ESE1	ESE0	WNW1	WNW2	NW3	WNW2	NNE8	ENE9	E2	E1	N0	E1	SE2	ESE3	ESE5	ESE3	E2
21	SE8	SE7	SE8	SE9	SSE6	S7	S7	SSE6	SSE7	SSE6	SSW7	SW8	SSW6	SSW8	S6	S4	S5	SSE4	SSE4	SSE3	SW9	SSW8	SSW7	SW5	S6
22	SW7	SSE3	ESE6	ESE4	ESE4	SE4	ESE4	SSW3	SSE6	S6	S4	SSW6	SSW3	SSE0	WSW5	W8	NNW5	NW7	WNW3	W2	ESE3	S4	ESE2	N3	S2
23	N1	SE1	ESE0	ESE2	SE1	ENE1	E1	ESE1	N0	SSE0	S1	N0	ESE0	SE3	SSE4	SSW5	S5	SE6	SE5	ESE2	SE1	ENE1	SE2	SSE2	SE2
24	NNE1	SE1	SE2	N1	NE1	ENE1	SE3	NNW2	N2	NNW2	WNW1	SW2	SSW3	SSW5	SSW4	S2	ESE5	SE3	SSE4	SE2	ESE1	WNW1	ESE1	N2	SSE1
25	SE1	NE1	ESE2	E1	ENE0	NW2	NNW2	NW2	SW0	N3	NNW3	WNW2	NW6	NNW12	N11	N5	NNW3	N6	NNW6	NNW4	N5	NNE2	NW1	NNE1	N3
26	ENE1	SE1	N0	N2	N6	NW3	WNW2	NW4	NNW8	NNW11	NW10	NW17	NW24	NW27	NW21	NW26	NW25	NW21	NW21	NW22	NW23	NW21	NNW20	NNW20	NW14
27	NNW21	NNW18	NNW17	NNW15	NW13	NW13	NW11	NW9	NW8	NW8	NW10	NW15	NW14	NW14	NW13	NW9	NNW7	NNW6	NNW3	NW3	NNW3	NNW3	NNW3	NNW2	NW10
28	NNW5	NNW2	NW3	NNW4	WNW1	W0	S1	S1	S1	WNW1	NW5	NW9	NNW10	N8	NNE7	NE8	NNE8	NNE7	NNE7	NNE6	NW4	NNW5	N6	NNE9	N4
29	NE10	NE10	NE8	NNE10	NNE10	NNE10	NNE8	NNE8	ENE7	ENE6	NE7	NE7	NNE10	NNE12	NNE9	NNE11	NNE11	N8	NNW12	NNW10	N9	NNW10	NW9	NNW10	NNE8
30	NW10	NW12	NW10	NW8	NW9	WNW11	NW9	NW9	WNW8	NNW6	NE8	NNE9	NE3	WSW1	W1	NNW2	NW4	NW8	NW7	NW7	NW7	NW6	NNW4	NW5	NW6
1	NW5	NW4	NNW4	NNW6	N5	NNE3	E3	E6	E4	ESE4	ESE6	ESE7	E8	ESE8	SE11	SE9	E5	E5	ESE7	ESE7	ESE8	ESE8	ESE8	ESE9	E4
2	ESE10	ESE10	ESE8	SE11	SE13	SE12	SE12	SE10	ESE7	ESE6	ESE8	ESE9	ESE8	E7	E7	E6	ENE5	ENE4	ENE6	ENE5	E1	ENE1	NW3	NW2	ESE6
3	NNW3	WNW1	NNW3	W1	NW1	SSW0	WNW1	NW1	NW2	NW4	W2	W2	WSW2	WNW9	WNW9	NW10	NW4	NW2	NW3	S2	WNW5	NW6	W3	WNW3	WNW3
4	NW6	NNW6	NNW7	NW5	NNW2	SE1	ESE2	SE2	SE2	SSE1	SW2	SE3	SE5	ESE4	ESE5	E5	E8	E7	ESE5	SE8	SSE13	SSE15	SSE16	SE3	
5	SSE16	SSE16	SSE16	SSE17	SSE14	SE5	NNW2	NNW7	NNW27	NNW30	NNW33	NNW37	NNW35	NNW29	NNW24	NW18	NNW11	NNW9	NNW6	W1	NW1	NNW2	NW3	W3	NW8
6	WNW4	WNW4	WNW3	NW5	N4	ENE1	NNE1	NW1	ESE0	SE1	S1	SSE2	SSE3	SSE3	SE5	SE7	SE8	SE7	ESE7	SE6	ESE7	SE6	SE6	SE6	SE2
7	SE7	SE5	SE4	SE7	SE8	SE8	SSE4	SSE2	SE5	S5	SSE6	SSW7	+	+	+	+	+	+	+	+	+	+	+	+	SSE5
Diurnal Average																									
C - Calibration * - Instrument failure + - Not in service																									
Maximum Speed in Table: 48 First Occurrence on Day 18 Hour 12 Frequency: 1												Hours in Service: 669													
Minimum Speed in Table: 0 First Occurrence on Day 20 Hour 10 Frequency: 14												Hours of Speed Data: 668 Speed Percent Operational Time: 99.85													
Maximum Daily Speed: 16.9 First Occurrence on Day 14 Minimum Daily Speed: 0.9 First Occurrence on Day 24												Hours of Direction Data: 28 Direction Percent Operational Time: 4.19													
Maximum Diurnal Speed: 5.2 First Occurrence at Hour 12 Minimum Diurnal Speed: 0.1 First Occurrence at Hour 4												Hours of Velocity Data: 668 Velocity Percent Operational Time: 99.85													
Monthly Average Velocity: 1.5 kph 138 degrees																									

**Parkland Airshed Management Zone
Summary of Hourly Standard Deviations**

AMS 110 (Bentley)
November 9, 2005 to December 8, 2005
Wind Direction (degrees), 10 m

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	34	29	30	15	15	31	32	12	22	24.4
10	41	49	16	16	19	13	12	12	15	18	19	35	13	12	12	12	45	74	62	36	28	22	32	30	26.8
11	20	22	12	15	20	24	16	11	57	25	32	14	16	13	13	13	30	36	20	18	22	18	19	15	20.9
12	19	71	64	85	9	21	16	10	9	9	8	17	23	27	31	27	33	17	18	14	13	14	16	13	24.3
13	15	14	12	21	16	13	13	10	10	13	28	20	34	38	52	27	21	27	23	19	28	24	25	16	21.6
14	15	17	20	19	12	15	11	11	12	10	11	10	14	12	14	13	12	16	21	22	22	27	43	16	16.5
15	20	30	51	17	14	16	32	21	21	23	24	30	32	30	20	36	31	16	12	14	14	12	13	12	22.5
16	13	13	13	13	13	31	19	29	82	56	52	10	13	13	11	11	9	9	10	8	8	8	8	13	19.4
17	41	46	24	22	23	22	24	40	19	12	13	16	13	17	PF	11	18	24	27	32	9	24	10	10	21.6
18	11	23	9	8	8	11	19	12	9	9	10	9	10	9	9	9	15	77	70	20	21	22	30	17	18.6
19	24	23	17	12	13	18	32	17	34	47	23	19	47	25	25	45	60	68	81	67	91	85	20	30	38.5
20	22	12	20	20	36	36	79	53	78	80	65	64	60	68	31	17	56	55	74	68	77	32	28	47	49.1
21	14	17	15	14	23	12	12	18	15	24	25	10	48	21	20	24	16	16	24	59	18	17	22	30	21.4
22	28	53	18	25	21	34	34	71	21	14	42	29	64	97	42	49	60	23	52	74	66	47	40	37	43.4
23	87	81	82	58	70	91	89	58	76	92	46	83	77	19	20	39	14	14	14	32	35	76	86	39	57.4
24	81	86	51	69	89	74	30	54	52	23	35	42	29	18	20	32	14	32	20	28	43	24	79	61	45.3
25	80	79	75	46	101	41	41	36	90	59	59	33	19	24	27	48	22	24	32	25	55	87	74	85	52.6
26	49	74	88	40	37	52	61	23	17	12	11	11	10	9	10	9	9	8	9	8	9	9	9	9	24.3
27	9	10	10	10	9	8	7	6	7	7	8	10	10	11	11	8	13	10	8	26	29	14	15	29	11.9
28	14	17	7	13	57	68	41	20	28	42	20	15	16	26	26	21	16	14	22	24	18	12	22	14	23.9
29	19	18	20	15	15	16	18	20	20	21	22	21	20	21	23	16	19	22	19	20	26	11	8	9	18.3
30	8	8	8	9	10	8	8	8	9	32	20	14	57	66	44	40	12	9	7	18	12	13	14	21	19.0
1	14	15	18	19	22	27	59	18	34	40	28	29	26	30	22	25	32	29	33	30	30	32	32	33	28.2
2	28	28	30	25	21	26	22	25	33	33	31	29	27	26	20	20	21	19	19	21	71	39	21	26	27.5
3	22	26	7	34	24	71	28	23	43	9	16	19	24	19	12	8	11	14	37	17	38	8	23	25	23.3
4	8	7	11	17	28	61	35	37	49	60	52	28	61	21	29	28	27	19	29	37	23	15	14	13	29.5
5	14	13	13	14	13	32	77	15	13	11	10	10	10	11	10	8	14	17	48	65	63	32	23	19	23.1
6	12	18	44	17	21	78	67	31	86	72	44	44	28	34	35	20	16	13	13	13	41	12	15	25	33.3
7	15	19	17	12	14	14	33	36	35	21	29	17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	21.8
	26.5	31.8	27.6	24.5	27.1	33.3	33.4	25.9	34.8	31.2	28.0	24.6	29.7	26.6	22.7	23.2	24.1	26.1	29.3	29.6	33.6	27.4	26.9	25.6	
	Diurnal Average																								
ZS - Zero/Span Calibration AF - Analyzer Failure CAL - Multipoint Calibration UO - Unstable Operation M - Maintenance PF - Power Failure DAF - Data Acquisition Failure NS - Not in Service																									
Maximum Value in Table: 101 Minimum Value in Table: 6 Maximum Daily Value: 57.4 Maximum Diurnal Value: 35 Monthly Mean: 28.1 Percentiles: P10 = 9.7 Q1 = 13.5 Median = 21.0 Q3 = 33.4 P90 = 61.3												First Occurrence on Day 25 Hour 5 First Occurrence on Day 27 Hour 8 First Occurrence on Day 23 First Occurrence at Hour 9 Frequency: 1 Frequency: 1 Minimum Daily Value: 12 Minimum Diurnal Value: 23												Hours in Service: 669 Hours of Data: 668 Hours of Missing Data: 1 Hours of Calibration: 0 Percent Operational Time: 99.85	

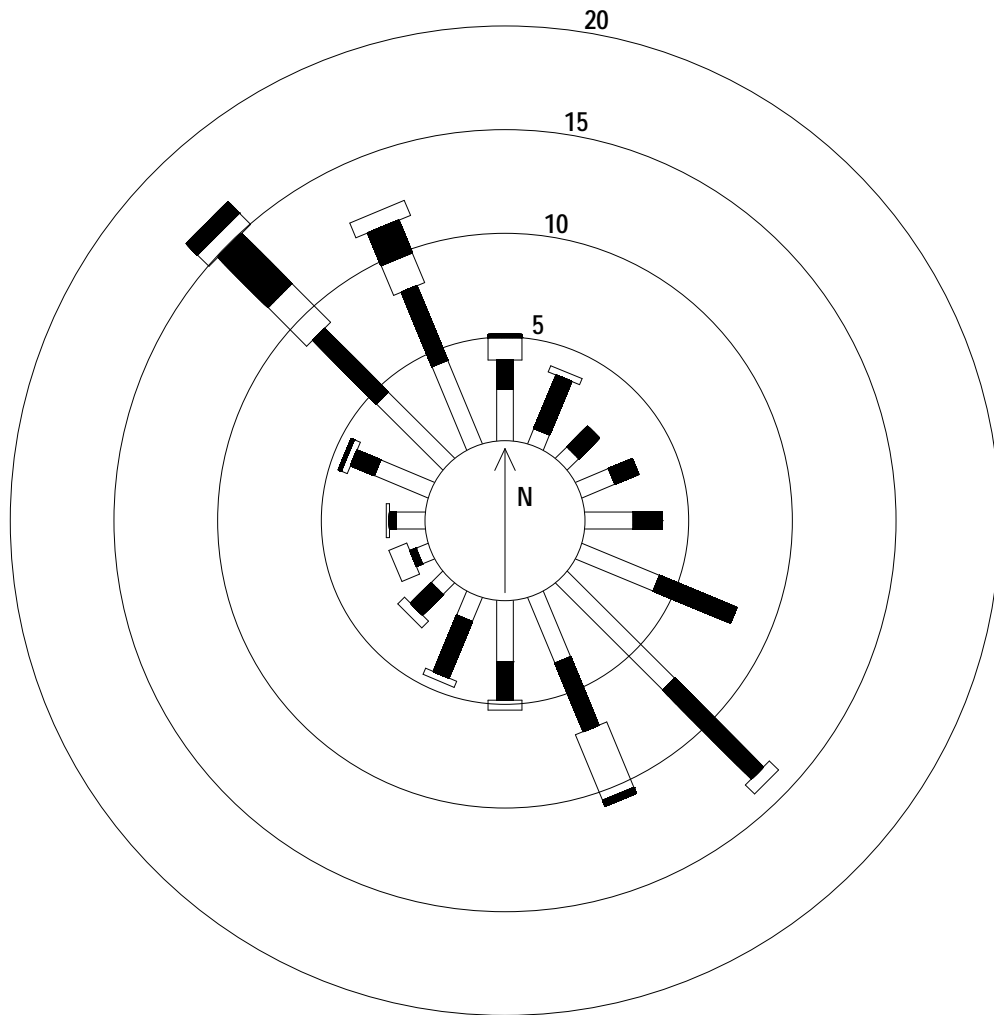
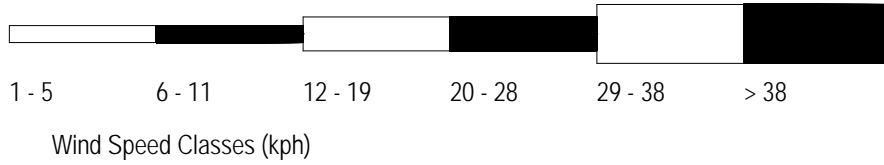
Parkland Airshed Management Zone
Summary of Maximum Value in each Hour

AMS 110 (Bentley)
 November 2005
 Wind Speed (km/h)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14	10	11	10	13	12	15	17	9	12.3	
10	14	11	13	15	16	20	23	22	21	21	15	18	21	28	24	25	12	7	24	26	21	21	24	18	19.2
11	21	14	13	13	11	13	13	17	7	15	20	25	23	26	22	20	13	7	10	12	12	15	11	15	15.3
12	16	6	5	11	17	13	15	28	29	25	23	23	17	14	11	9	7	7	8	9	10	11	11	14	14.1
13	14	14	16	12	10	11	11	8	8	6	7	10	8	5	5	8	10	12	16	16	12	16	17	18	11.3
14	25	26	26	32	29	30	30	35	37	40	37	38	32	29	26	24	16	15	13	11	8	7	6	8	24.2
15	9	6	6	6	5	5	7	9	10	10	9	10	9	11	11	11	9	13	14	14	16	18	17	19	10.6
16	19	16	15	16	13	9	10	8	18	10	28	28	20	32	31	31	32	28	40	25	19	15	20	10	20.5
17	7	6	7	7	7	8	11	17	13	9	12	15	17	17	--	--	12	6	9	23	23	23	27	20	13.5
18	19	16	19	19	16	23	21	52	61	59	58	59	54	50	48	32	15	11	7	5	6	7	12	14	28.5
19	15	15	16	9	10	10	10	11	6	13	13	11	6	10	8	9	10	4	12	7	9	8	7	6	9.8
20	7	7	7	8	7	6	8	7	7	6	3	10	8	8	18	12	9	3	4	6	6	6	8	7	7.4
21	10	9	12	12	9	10	9	10	10	9	15	14	17	12	9	8	7	6	7	8	14	12	11	10	10.4
22	13	8	9	8	6	6	7	11	8	9	8	11	9	6	11	14	10	9	12	8	8	5	6	6	9.0
23	6	7	3	7	9	5	6	3	5	4	3	3	4	6	6	9	6	8	7	6	3	4	6	5	5.5
24	5	5	6	4	5	5	5	6	5	6	4	6	6	8	7	5	7	6	6	4	4	1	7	6	5.4
25	5	4	6	5	5	4	6	7	5	7	10	5	11	16	16	10	6	10	10	8	13	10	10	6	8.1
26	4	6	4	5	11	8	6	10	14	17	14	23	33	34	27	33	33	28	28	29	29	29	28	25	19.9
27	27	23	21	20	17	16	17	10	9	10	15	18	17	17	18	15	9	8	4	6	5	5	5	7	13.3
28	7	5	5	7	6	4	3	2	1	3	11	12	14	12	12	11	12	11	12	9	6	7	11	12	8.1
29	15	16	11	14	14	12	12	13	10	8	9	11	15	19	13	16	16	15	15	13	14	15	14	14	13.5
30	12	15	13	11	13	14	12	11	11	9	13	12	10	4	6	4	6	12	10	11	12	7	6	9	10.1
1	7	6	6	10	8	8	9	8	8	7	9	10	11	12	16	14	7	8	10	12	15	11	14	14	10.0
2	16	14	13	19	22	17	20	15	13	10	12	17	11	11	10	9	8	6	8	7	5	3	5	4	11.5
3	5	4	4	2	3	3	2	2	4	5	4	5	3	13	13	14	8	3	4	4	11	9	5	6	5.7
4	9	7	9	7	3	3	6	4	4	5	4	4	7	8	7	7	9	13	11	8	13	19	19	22	8.7
5	22	23	22	25	21	10	11	11	40	39	43	48	46	36	29	24	17	13	11	4	4	4	6	5	21.4
6	6	8	5	7	6	4	3	1	3	4	3	4	5	4	6	7	10	12	10	9	9	10	8	9	6.4
7	10	8	7	9	10	10	9	4	10	9	13	10	--	--	--	--	--	--	--	--	--	--	--	--	9.1
	12.3	10.9	10.7	11.4	11.0	10.3	10.8	12.2	13.5	13.4	14.8	16.4	16.1	16.6	15.8	14.6	11.8	10.5	11.8	11.3	11.4	11.3	12.0	11.4	
	Diurnal Average																								
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure																									
AF - Analyzer Failure UO - Unstable Operation SP - Spurious/Invalid Data NS - Not in Service																									
Maximum Value in Table: 61 First Occurrence on Day 18 Hour 9 Frequency: 1																									
Minimum Value in Table: 1 First Occurrence on Day 24 Hour 22 Frequency: 3																									
Maximum Daily Value: 28 First Occurrence on Day 18 Minimum Daily Value: 5 First Occurrence on Day 24																									
Maximum Diurnal Value: 17 First Occurrence at Hour 14 Minimum Diurnal Value: 10 First Occurrence at Hour 6																									
Monthly Mean: 12.6 Percentiles: P10 = 4.6 Q1 = 6.6 Median = 10.1 Q3 = 15.2 P90 = 23.7																									

Parkland Airshed Management Zone

Bentley - Wind Speed - November 10, 2005 00:00 to December 8, 2005 00:00



Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 External Temperature (C), 2 m

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.2	6.4	5.8	6.2	6.4	6.1	5.7	5.1	5.5	5.9
10	5.9	6.1	5.7	6.2	5.6	6.3	7.1	7.3	7.1	7.2	7.8	9.4	13.6	14.7	15.8	15.2	13.1	9.8	8.8	4.3	2.6	1.8	1.2	0.4	7.6
11	0.1	-0.1	-0.1	-0.3	-1.7	-3.0	-1.6	-1.4	-1.9	0.5	3.3	3.2	4.0	4.5	4.7	4.1	2.7	-0.3	-1.4	-1.7	-1.4	-1.7	-2.0	-2.0	0.3
12	-1.7	-1.7	-2.3	-2.9	-4.1	-4.3	-3.4	-2.6	-2.2	-2.2	-2.5	-2.4	-0.7	0.0	-0.5	0.0	-1.9	-4.3	-4.4	-4.2	-4.9	-5.0	-5.4	-5.1	-2.9
13	-5.2	-5.5	-5.3	-5.9	-6.5	-7.2	-7.4	-7.0	-6.0	-2.2	0.1	1.8	2.0	1.8	1.4	0.3	-0.1	-0.3	-0.9	-1.4	-2.3	-2.4	-3.3	-4.1	-2.7
14	-4.4	-5.1	-5.8	-5.8	-5.8	-5.5	-5.5	-5.2	-4.9	-5.8	-6.2	-6.2	-5.8	-6.1	-5.4	-6.0	-6.7	-6.7	-7.0	-6.9	-7.2	-7.4	-7.8	-8.2	-6.1
15	-8.2	-8.2	-8.1	-8.0	-8.1	-8.2	-8.2	-8.6	-9.0	-8.3	-7.4	-6.8	-6.2	-5.4	-4.8	-4.9	-6.0	-6.5	-6.8	-7.1	-7.2	-6.7	-6.5	-6.2	-7.1
16	-6.0	-5.8	-5.7	-5.7	-5.9	-5.6	-5.0	-4.3	-2.1	0.1	2.3	3.7	3.4	4.2	4.9	4.9	4.9	4.1	2.9	2.2	2.1	2.1	2.3	0.9	0.0
17	-0.3	-1.3	-1.6	-1.4	-2.0	-2.0	-1.3	-0.3	-1.2	-0.6	2.6	5.8	7.3	8.8	PF	9.2	7.0	4.7	6.1	6.9	9.5	8.6	8.2	7.0	3.5
18	7.1	7.5	8.4	7.8	7.3	8.1	9.3	9.6	10.2	9.8	9.8	9.7	10.0	10.2	10.0	8.9	6.8	4.3	1.7	0.9	1.1	0.7	0.5	1.0	6.7
19	2.3	2.4	2.1	2.0	2.2	2.3	3.0	2.6	2.0	4.7	6.5	9.1	12.4	12.3	10.7	8.9	7.5	6.9	4.9	1.9	0.8	0.7	2.6	3.0	4.7
20	3.9	3.5	3.4	2.7	2.6	2.7	0.5	-1.7	-2.3	0.9	3.0	8.0	9.7	7.7	9.6	8.3	6.1	4.4	3.3	2.3	-0.8	-2.0	-1.8	-0.9	3.0
21	1.2	2.2	2.1	1.1	-0.3	-1.4	-1.3	-0.6	0.7	2.3	4.5	6.2	8.5	11.6	12.9	12.2	9.4	7.5	7.3	8.2	8.8	7.7	6.8	7.0	5.2
22	6.7	6.7	7.1	7.2	7.4	8.2	7.0	7.1	6.2	8.4	9.6	12.7	12.7	13.9	15.8	14.4	12.7	12.7	11.4	10.7	10.3	10.1	8.4	7.6	9.8
23	6.0	3.8	1.2	2.7	1.4	-0.7	-2.0	-1.7	-3.2	0.6	5.6	4.7	8.0	11.4	13.7	14.3	9.4	7.5	7.3	6.6	4.2	1.7	-0.7	2.8	4.4
24	-1.5	-2.0	-1.5	-3.6	-4.8	-4.8	-4.7	-6.1	-5.6	-4.1	1.2	4.9	8.3	11.5	13.2	12.5	8.4	4.5	3.5	3.0	0.8	-2.8	-2.9	-4.0	1.0
25	-3.9	-5.7	-5.6	-2.7	-5.1	-3.7	-4.3	-3.7	-5.0	-2.3	2.6	5.9	9.4	11.2	10.6	7.4	4.9	3.4	2.5	1.7	0.9	0.6	-0.8	-0.5	0.7
26	-0.9	-1.8	-2.4	-2.4	-1.4	-2.6	-2.1	-1.7	-1.3	-0.6	0.6	2.4	3.2	3.3	3.1	2.6	1.7	1.2	0.9	0.7	0.5	0.2	-0.1	-0.2	0.1
27	-0.6	-1.2	-1.9	-2.7	-3.3	-3.4	-3.9	-4.4	-4.7	-4.5	-3.5	-2.5	-2.0	-1.4	-1.1	-1.9	-3.0	-4.3	-5.2	-6.4	-7.1	-7.5	-7.8	-8.5	-3.9
28	-7.4	-7.8	-8.1	-8.1	-9.3	-10.0	-10.5	-10.2	-9.7	-8.7	-6.3	-5.0	-4.6	-4.4	-4.8	-5.9	-6.7	-7.4	-7.6	-7.5	-8.0	-8.3	-8.4	-8.6	-7.6
29	-9.5	-11.2	-11.7	-12.1	-12.6	-12.9	-13.0	-13.1	-13.5	-13.4	-13.0	-12.5	-12.1	-12.0	-12.2	-12.3	-12.6	-12.7	-13.0	-13.3	-13.4	-13.7	-13.9	-14.0	-12.7
30	-13.9	-14.0	-14.9	-15.0	-14.2	-14.1	-14.1	-14.0	-13.8	-13.4	-13.4	-13.6	-12.5	-12.3	-12.2	-13.0	-13.5	-13.5	-13.6	-13.7	-13.8	-14.0	-14.4	-14.5	-13.7
1	-14.6	-14.6	-14.6	-14.4	-14.6	-14.9	-15.0	-15.9	-16.7	-16.1	-15.1	-14.4	-14.0	-14.3	-14.5	-14.8	-17.0	-18.1	-17.1	-17.2	-16.7	-16.8	-16.8	-16.7	-15.6
2	-16.4	-16.4	-16.4	-16.4	-16.5	-16.4	-16.6	-16.6	-16.7	-16.4	-16.0	-15.2	-14.4	-14.7	-15.3	-15.5	-15.9	-17.2	-18.7	-18.4	-18.6	-18.6	-18.9	-19.0	-16.7
3	-18.7	-19.4	-19.8	-21.3	-21.8	-23.3	-23.9	-25.2	-25.5	-23.8	-21.0	-17.4	-15.2	-15.1	-15.0	-15.5	-16.6	-18.0	-17.6	-17.9	-16.6	-16.5	-17.1	-17.0	-19.1
4	-16.5	-17.2	-17.3	-17.8	-19.1	-20.1	-21.2	-21.9	-23.1	-21.7	-19.5	-16.6	-16.2	-14.2	-13.7	-14.0	-14.4	-15.2	-16.2	-17.1	-16.9	-16.0	-15.9	-15.6	-17.4
5	-15.1	-14.4	-14.1	-14.8	-14.8	-15.2	-15.3	-14.5	-13.0	-13.5	-13.4	-14.7	-15.7	-16.4	-16.2	-16.8	-18.2	-19.8	-21.2	-23.3	-23.7	-22.9	-22.7	-22.1	-17.2
6	-21.9	-22.1	-22.3	-21.7	-22.1	-23.6	-23.9	-26.0	-26.4	-25.2	-21.5	-18.0	-16.9	-15.6	-15.1	-15.9	-18.6	-20.6	-21.1	-21.2	-21.1	-20.6	-20.9	-21.8	-21.0
7	-21.2	-22.6	-23.0	-22.3	-22.3	-22.3	-22.8	-23.4	-22.0	-20.4	-17.8	-15.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	-21.3
	-5.5	-5.9	-6.2	-6.3	-6.8	-7.1	-7.1	-7.3	-7.3	-6.0	-4.2	-2.6	-0.9	-0.2	-0.2	-0.3	-1.8	-3.1	-3.8	-4.3	-4.7	-5.1	-5.5	-5.5	
Diurnal Average																									
ZS - Zero/Span Calibration					CAL - Multipoint Calibration					M - Maintenance					DAF - Data Acquisition Failure										
AF - Analyzer Failure					UO - Unstable Operation					PF - Power Failure					NS - Not in Service										
Maximum Value in Table: 15.8					First Occurrence on Day 10 Hour 15					Frequency: 2					Hours in Service: 669										
Minimum Value in Table: -26.4					First Occurrence on Day 6 Hour 9					Frequency: 1					Hours of Data: 668										
Maximum Daily Value: 9.8					First Occurrence on Day 22					Minimum Daily Value: -21.3					First Occurrence on Day 7										
Maximum Diurnal Value: -0.2					First Occurrence at Hour 15					Minimum Diurnal Value: -7.3					First Occurrence at Hour 9										
Monthly Mean: -4.51					Percentiles: P10 = -17.82 Q1 = -13.75 Median = -3.27 Q3 = 2.87 P90 = 8.09										Percent Operational Time: 99.85										

Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 Relative Humidity (%)

Day	Hourly Period Ending At																								Daily Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	55.8	55.0	56.7	55.4	56.3	59.0	63.4	66.8	65.7	59.3
10	65.8	66.0	68.3	67.3	70.3	68.8	66.2	66.4	67.9	69.0	68.8	64.9	52.8	50.4	47.3	46.9	49.1	53.5	53.3	76.2	75.8	74.9	79.3	79.9	64.5
11	80.8	81.0	77.4	75.2	79.2	85.2	84.6	82.4	83.7	75.4	65.3	64.1	63.4	56.0	54.1	54.9	59.0	68.5	73.8	76.2	77.1	77.9	75.7	71.3	72.6
12	74.9	76.0	74.1	74.3	78.0	76.1	73.6	76.6	75.4	77.1	84.8	85.5	76.1	73.0	74.8	72.4	77.3	84.9	86.3	86.6	87.6	86.7	86.0	83.5	79.2
13	82.9	83.5	81.8	82.6	82.7	81.6	79.5	75.3	70.5	63.5	61.0	57.0	54.3	56.7	56.9	61.5	68.7	70.6	77.8	78.6	78.2	80.6	81.6	85.7	73.0
14	86.7	86.8	85.4	85.9	86.5	86.7	88.3	88.4	86.5	79.0	74.6	71.7	70.1	69.4	67.2	70.5	74.1	74.7	75.4	75.3	75.6	77.2	81.7	84.0	79.2
15	85.4	86.5	86.1	85.6	86.0	86.3	86.5	86.9	85.3	84.8	84.5	82.8	81.9	80.6	76.8	79.0	82.0	83.6	84.5	85.9	86.9	86.1	84.8	83.4	84.3
16	82.8	82.5	82.7	82.9	83.8	85.0	84.2	83.1	75.6	70.0	71.4	78.9	80.3	78.8	74.6	72.6	69.2	72.2	82.3	86.7	85.9	83.9	80.0	82.7	79.7
17	84.8	86.8	85.4	83.6	84.2	82.5	79.4	75.3	77.3	77.7	70.3	60.1	53.8	49.4	PF	48.4	52.6	57.9	53.4	50.1	42.6	46.6	50.0	53.5	65.5
18	55.8	56.4	55.2	56.8	57.7	55.4	53.8	55.5	51.0	49.1	49.0	50.0	48.1	44.4	42.6	46.3	51.5	56.8	64.2	66.6	66.5	68.4	69.6	70.2	55.9
19	66.7	66.8	67.5	68.3	68.2	68.3	67.1	68.7	70.4	64.8	63.0	55.8	46.5	47.1	52.2	56.2	62.3	62.3	66.9	76.8	80.9	83.7	74.5	70.6	65.7
20	66.7	67.8	69.3	72.4	72.3	71.9	76.8	84.7	85.0	78.1	74.3	59.1	55.5	62.2	49.7	53.7	60.6	65.3	68.7	71.1	80.1	84.0	83.5	81.9	70.6
21	73.0	70.5	70.1	72.0	76.5	81.1	80.6	78.3	74.1	69.0	62.2	57.9	53.5	47.9	45.2	46.4	51.8	57.5	59.3	55.8	50.6	49.0	50.3	46.5	61.6
22	46.6	45.8	43.6	41.7	40.8	37.5	40.4	39.8	42.1	39.2	37.8	32.8	34.4	32.5	29.3	28.0	29.6	28.4	30.1	31.4	32.5	32.4	36.6	37.6	36.3
23	41.5	48.6	56.3	50.8	55.6	62.5	70.3	65.8	72.9	65.5	61.6	67.3	55.5	41.2	34.1	33.7	40.2	42.4	41.6	43.3	50.2	58.2	67.2	56.0	53.4
24	72.1	74.1	71.7	77.0	80.8	81.3	80.1	81.9	84.0	79.4	72.1	64.2	50.8	42.4	35.9	35.5	42.2	50.4	53.2	54.6	62.4	73.6	74.9	79.0	65.6
25	76.7	81.0	80.3	67.5	78.8	74.5	77.8	73.3	78.3	69.8	64.3	57.0	47.4	40.0	40.3	47.3	53.1	58.2	62.4	64.9	67.5	68.1	75.4	71.8	65.7
26	72.5	78.1	81.0	81.2	76.5	83.2	79.5	79.0	77.2	74.9	72.2	66.8	64.0	62.8	65.1	71.3	78.0	81.9	82.9	83.0	81.2	81.3	81.4	80.0	76.5
27	80.5	82.1	83.8	81.2	77.5	76.7	78.1	80.5	80.7	79.7	75.5	68.4	64.0	59.3	53.8	55.9	63.2	70.1	73.4	78.0	80.7	83.0	83.5	84.5	74.8
28	74.2	79.0	78.9	81.0	84.3	88.3	88.8	88.5	87.1	85.7	79.6	72.4	67.2	63.5	62.7	65.2	65.4	67.9	69.8	69.6	71.5	70.9	70.3	67.2	75.0
29	74.3	76.6	76.8	78.1	78.9	79.3	78.9	79.9	80.8	80.2	77.9	76.8	75.8	74.1	75.7	76.7	77.4	79.2	77.5	78.1	77.5	76.4	79.3	80.2	77.8
30	80.8	80.3	80.1	80.5	80.1	79.8	80.6	81.1	81.6	82.2	80.8	78.7	77.0	76.8	76.5	77.5	78.1	72.1	74.0	73.2	74.6	74.8	73.7	72.3	77.8
1	72.3	69.6	73.9	69.1	72.8	72.4	71.3	78.8	79.3	78.5	77.3	74.7	71.2	71.7	69.5	71.4	73.7	75.3	75.2	74.6	74.8	76.0	76.5	76.6	74.0
2	76.5	77.9	78.3	77.4	77.9	77.7	78.2	78.8	79.0	77.5	75.3	72.4	71.0	72.3	74.1	75.3	77.7	79.7	80.2	80.3	80.0	80.2	79.9	80.1	77.4
3	79.7	79.0	80.0	79.0	78.7	77.0	76.3	74.9	74.8	75.0	74.9	76.2	75.2	73.0	71.0	70.8	73.8	78.1	78.3	78.3	77.8	78.5	79.9	80.3	76.7
4	80.9	81.6	80.7	80.4	80.8	80.6	79.1	78.5	77.5	76.9	76.3	76.3	78.2	77.7	76.8	77.1	78.3	79.4	79.6	80.4	80.2	80.1	80.0	80.5	79.1
5	81.0	81.9	81.0	79.1	78.8	79.8	80.6	81.4	80.8	77.5	74.3	70.3	62.3	62.1	61.7	64.2	67.8	71.2	74.6	77.2	77.0	77.1	77.0	77.2	74.8
6	77.2	77.2	77.4	77.7	77.2	76.4	75.7	73.9	73.4	74.0	73.9	74.8	71.1	66.2	64.5	66.0	71.8	76.3	77.4	77.3	77.1	76.8	75.7	75.9	74.4
7	75.5	75.6	75.6	75.3	72.9	72.3	72.1	74.6	72.4	70.6	69.8	67.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	72.8
	73.9	75.0	75.1	74.4	75.6	76.0	76.0	76.2	75.9	73.0	70.5	67.3	63.0	60.4	58.9	60.0	63.7	67.0	69.0	70.9	71.9	73.2	74.1	73.5	
Diurnal Average																									
ZS - Zero/Span Calibration CAL - Multipoint Calibration M - Maintenance DAF - Data Acquisition Failure AF - Analyzer Failure UO - Unstable Operation PF - Power Failure NS - Not in Service																									
Maximum Value in Table: 88.8 First Occurrence on Day 28 Hour 7 Frequency: 1 Hours in Service: 669 Minimum Value in Table: 28.0 First Occurrence on Day 22 Hour 16 Frequency: 1 Hours of Data: 668 Maximum Daily Value: 84.3 First Occurrence on Day 15 Minimum Daily Value: 36.3 First Occurrence on Day 22 Hours of Missing Data: 1 Maximum Diurnal Value: 76.2 First Occurrence at Hour 8 Minimum Diurnal Value: 58.9 First Occurrence at Hour 15 Hours of Calibration: 0 Monthly Mean: 70.66 Percentiles: P10 = 50.28 Q1 = 65.31 Median = 74.92 Q3 = 79.71 P90 = 83.42 Percent Operational Time: 99.85																									

Parkland Airshed Management Zone
Summary of Hourly Averages

AMS 110 (Bentley)
 November 9, 2005 to December 8, 2005
 Global Radiation (W/m²)

Day	Hourly Period Ending At																								Daily Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	32	9	0	0	0	0	0	0	0	4.6	
10	0	0	0	0	0	0	0	0	0	22	79	122	168	233	262	254	164	46	2	0	0	0	0	0	56.3	
11	0	0	0	0	0	0	0	0	0	14	152	280	235	320	335	267	165	41	0	0	0	0	0	0	75.4	
12	0	0	0	0	0	0	0	0	0	11	33	69	147	333	261	155	168	32	0	0	0	0	0	0	50.4	
13	0	0	0	0	0	0	0	0	0	34	175	219	256	192	156	91	38	9	0	0	0	0	0	0	48.8	
14	0	0	0	0	0	0	0	0	0	4	25	96	201	257	238	274	87	17	0	0	0	0	0	0	50.0	
15	0	0	0	0	0	0	0	0	0	21	62	128	136	124	176	160	122	32	0	0	0	0	0	0	40.0	
16	0	0	0	0	0	0	0	0	0	12	27	59	90	75	77	78	35	9	0	0	0	0	0	0	19.3	
17	0	0	0	0	0	0	0	0	0	19	116	236	303	325	301	PF	80	24	0	0	0	0	0	0	61.0	
18	0	0	0	0	0	0	0	0	0	22	140	220	282	329	300	228	119	26	0	0	0	0	0	0	69.4	
19	0	0	0	0	0	0	0	0	0	17	115	180	279	310	199	80	26	8	0	0	0	0	0	0	50.6	
20	0	0	0	0	0	0	0	0	0	16	83	169	236	225	97	115	77	17	0	0	0	0	0	0	43.1	
21	0	0	0	0	0	0	0	0	0	11	54	109	173	190	279	219	117	16	0	0	0	0	0	0	48.7	
22	0	0	0	0	0	0	0	0	0	14	110	138	194	169	165	163	67	16	0	0	0	0	0	0	43.2	
23	0	0	0	0	0	0	0	0	0	8	137	196	148	173	188	260	153	23	0	0	0	0	0	0	53.6	
24	0	0	0	0	0	0	0	0	0	8	114	221	286	309	286	224	125	20	0	0	0	0	0	0	66.4	
25	0	0	0	0	0	0	0	0	0	9	87	213	277	299	279	188	44	12	0	0	0	0	0	0	58.7	
26	0	0	0	0	0	0	0	0	0	3	30	116	197	248	237	75	29	6	0	0	0	0	0	0	39.2	
27	0	0	0	0	0	0	0	0	0	8	46	78	119	145	181	140	58	9	0	0	0	0	0	0	32.7	
28	0	0	0	0	0	0	0	0	0	4	50	143	160	145	144	100	46	7	0	0	0	0	0	0	33.3	
29	0	0	0	0	0	0	0	0	0	5	33	76	110	113	97	62	40	7	0	0	0	0	0	0	22.6	
30	0	0	0	0	0	0	0	0	0	4	31	105	132	167	138	94	42	7	0	0	0	0	0	0	30.0	
1	0	0	0	0	0	0	0	0	0	5	42	100	146	195	131	87	52	7	0	0	0	0	0	0	31.9	
2	0	0	0	0	0	0	0	0	0	6	68	107	223	253	173	98	54	10	0	0	0	0	0	0	41.3	
3	0	0	0	0	0	0	0	0	0	4	49	113	154	175	164	125	72	18	0	0	0	0	0	0	36.4	
4	0	0	0	0	0	0	0	0	0	3	39	89	106	106	85	52	30	3	0	0	0	0	0	0	21.4	
5	0	0	0	0	0	0	0	0	0	2	24	70	124	268	220	194	83	12	0	0	0	0	0	0	41.5	
6	0	0	0	0	0	0	0	0	0	5	65	185	243	267	255	208	119	18	0	0	0	0	0	0	56.9	
7	0	0	0	0	0	0	0	0	0	8	84	92	189	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	31.1	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	73.9	140.3	189.8	220.2	200.9	153.5	80.1	16.5	0.1	0.0	0.0	0.0	0.0	0.0		
Diurnal Average																										
ZS - Zero/Span Calibration							CAL - Multipoint Calibration							M - Maintenance							DAF - Data Acquisition Failure					
AF - Analyzer Failure							UO - Unstable Operation							PF - Power Failure							NS - Not in Service					
Maximum Value in Table: 335					First Occurrence on Day 11 Hour 14					Frequency: 1					Hours in Service:					669						
Minimum Value in Table: 0					First Occurrence on Day 9 Hour 18					Frequency: 419					Hours of Data:					668						
Maximum Daily Value: 75.4					First Occurrence on Day 11					Minimum Daily Value: 5					Hours of Missing Data:					1						
Maximum Diurnal Value: 220					First Occurrence at Hour 13					Minimum Diurnal Value: 0					Hours of Calibration:					0						
Monthly Mean: 44.4					Percentiles: P10 = 0.0 Q1 = 0.0 Median = 0.0 Q3 = 53.8 P90 = 175.3					First Occurrence at Hour 1					Percent Operational Time:					99.85						

Parkland Airshed Management Zone PM 2.5/10 Results

Portable AQM Station, Bentley

NOVEMBER 2005

Field Sampling Date		Sample ID#	Concentration ug/m3
12/11/2005	PM 2.5	53122	0.4
12/11/2005	PM 2.5 - 10	26376	0.6
12/11/2005	PM 10		1.0
18/11/2005	PM 2.5	76203	0.4
18/11/2005	PM 2.5 - 10	54445	0.4
18/11/2005	PM 10		0.8
24/11/2005	PM 2.5	72309	0.6
24/11/2005	PM 2.5 - 10	76155	0.4
24/11/2005	PM 10		1.0
30/11/2005	PM 2.5	58024	0.7
30/11/2005	PM 2.5 - 10	46892	1.1
30/11/2005	PM 10		1.8
06/12/2005	PM 2.5	72312	0.3
06/12/2005	PM 2.5 - 10	46670	0.9
06/12/2005	PM 10		1.2

Bentley AQM Station Particulate Sampling Results

