

# **MAML - Mobile Air Monitoring Laboratory**

## **Data Collection Report – James Bay Air Quality Study June – August 2009**



**Prepared by:**

**University of Victoria Spatial Science Lab  
Karla Poplawski, MSc  
Eleanor Setton, PhD**

**For:**

**Vancouver Island Health Authority  
BC Ministry of the Environment**

**December, 2009**

---

## **Acknowledgements**

This report was prepared by Karla Poplawski and Eleanor Setton of the Spatial Sciences Research Lab, University of Victoria.

Funding for data analysis was provided by the BC Ministry of Environment.

MAML was provided by the BC Ministry of Environment. Special thanks to Earle Plain and Ryan Wiederick for technical support in MAML setup and instrument calibration.

Data from Topaz Station and technical guidance on MAML data processing was provided by Mark Graham of the BC Ministry of Environment.

Logistical support for MAML siting and power requirements was provided by Christine Bender (Vancouver Island Health Authority), Earle Plain and John Deniseger (BC Ministry of Environment), and Chris Robins (Capital Regional District Environmental Services).

Marine vessel schedules were provided by Rebecca Penz (Greater Victoria Harbour Authority).

---

## Table of Contents

1. Background .....	1
2. Sampling Location and Dates .....	1
Figure 2.1. MAML monitoring location in James Bay during the 2009 cruise ship season.....	2
3. Data processing.....	2
4. Data Summary – 10-minute Averages .....	4
Table 4.1 Current 10-Minute Air Quality Guidelines( $\mu\text{g}/\text{m}^3$ ).....	4
Table 4.2 MAML 10-minute averages.....	4
Table 4.3 MAML Ten highest averages.....	4
5. Data Summary – 1-hour Averages .....	5
Table 5.1 Current 1-Hour Air Quality Guidelines ( $\mu\text{g}/\text{m}^3$ ).....	5
Table 5.2 MAML 1-Hour Summary ( $\mu\text{g}/\text{m}^3$ ) .....	5
Table 5.3 TOPAZ 1-Hour Summary ( $\mu\text{g}/\text{m}^3$ ) .....	6
Table 5.4 MAML - Twenty Highest 1-Hour Averages.....	7
6. Data Summary – 24-hour Averages .....	8
Table 6.1 Current 24-Hour Air Quality Guidelines ( $\mu\text{g}/\text{m}^3$ ).....	8
Table 6.2 MAML 24-Hour Summary ( $\mu\text{g}/\text{m}^3$ ) .....	8
Figure 6.1. MAML 24-Hour Average Levels.....	9
Table 6.3 MAML - Fifteen Highest 24-Hour Averages.....	10
Table 6.4 TOPAZ 24-Hour Summary.....	11
Figure 6.2. TOPAZ 24-Hour Average Levels.....	11
Figure 6.3. NO - MAML and TOPAZ 24-Hour Average Levels.....	12
Figure 6.4. NO <sub>2</sub> – MAML and TOPAZ 24-Hour Average Levels.....	12
Figure 6.5 SO <sub>2</sub> – MAML and TOPAZ 24-Hour Average Levels .....	13
Figure 6.6 PM <sub>2.5</sub> – MAML and TOPAZ 24-Hour Average Levels .....	13
7. Cruise Ship Source Analysis - Hourly Averages .....	14
Table 7.1 MAML 1-Hour Averages for Days with Cruise Ships in Port.....	14
Table 7.2 MAML 1-Hour Averages for Days without Cruise Ships in Port .....	14
Table 7.3 TOPAZ 1-Hour Averages for Days with Cruise Ships in Port.....	14

---

Table 7.4 TOPAZ 1-Hour Averages for Days without Cruise Ships in Port .....	15
Figure 7.1. MAML NO 1-hour Frequency Distribution .....	16
Figure 7.2. TOPAZ NO 1-hour Frequency Distribution .....	16
Figure 7.3. MAML NO <sub>2</sub> 1-hour Frequency Distribution .....	17
Figure 7.4. TOPAZ NO <sub>2</sub> 1-hour Frequency Distribution .....	17
Figure 7.5. MAML SO <sub>2</sub> 1-hour Frequency Distribution .....	18
Figure 7.6. TOPAZ SO <sub>2</sub> 1-hour Frequency Distribution .....	18
Figure 7.7. MAML PM <sub>2.5</sub> 1-hour Frequency Distribution .....	19
Figure 7.8. TOPAZ PM <sub>2.5</sub> 1-hour Frequency Distribution .....	19
Figure 7.9. MAML PM <sub>10</sub> 1-hour Frequency Distribution .....	20
8. Cruise Ship Source Analysis - Diurnal Pattern of Hourly Averages .....	21
Figure 8.1. MAML NO <sub>2</sub> Diurnal Pattern .....	21
Figure 8.2. TOPAZ NO <sub>2</sub> Diurnal Pattern .....	21
Figure 8.3. MAML NO Diurnal Pattern .....	22
Figure 8.4. TOPAZ NO Diurnal Pattern .....	22
Figure 8.5. MAML SO <sub>2</sub> Diurnal Pattern .....	24
Figure 8.6. TOPAZ SO <sub>2</sub> Diurnal Pattern .....	24
Figure 8.7. MAML PM <sub>2.5</sub> Diurnal Pattern .....	25
Figure 8.8. TOPAZ PM <sub>2.5</sub> Diurnal Pattern .....	26
Appendix I – Cruise Ship Schedule .....	27
Appendix II. Data from May 29th, 2009 .....	31
Appendix III. Data from May 29th, 2009 .....	32
Appendix IV. MAML 1-hour data .....	33
Appendix IV. MAML 24-hour data .....	85
Appendix V. TOPAZ 1-hour data .....	88

## 1. Background

The James Bay Air Quality Study (JBAQS) was designed as a multi-phase research project to investigate air quality in the James Bay neighbourhood of Victoria, BC, Canada. Phase I<sup>1</sup>, conducted in 2007, consisted of field monitoring throughout the study area to establish two-week and seasonal average levels of nitric oxide (NO), nitrogen dioxide (NO<sub>2</sub>), and sulphur dioxide (SO<sub>2</sub>), as well as hourly and 24-hour average levels of fine particulate matter (PM<sub>2.5</sub>) in selected locations. The results suggested that longer-term average levels of NO, NO<sub>2</sub> and SO<sub>2</sub> were below current guideline levels, but that there may be short-term peaks, especially of SO<sub>2</sub> associated with cruise ship emissions, that were not adequately characterized. Phase II<sup>2</sup> used an advanced dispersion model, the California Puff Model (CALPUFF), to estimate 1-hour and 24-hour average concentration levels of SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>2.5</sub> and PM<sub>10</sub> from cruise ship and ferry sources using meteorological data and marine vessel schedules for 2007. The model results suggested that levels of NO<sub>2</sub> and SO<sub>2</sub> could approach or exceed current air quality guidelines.

The 2009 cruise ship season presented an opportunity to conduct further field monitoring in the study area with the Ministry of Environment's Mobile Air Monitoring Lab, known as "MAML". Hourly and daily data collected by MAML is useful to supplement data obtained during Phase I and Phase II of JBAQS. MAML provides additional measured data of NO, NO<sub>2</sub>, SO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub>, but for shorter time periods (1-hour) not previously captured by monitoring equipment used in the Phase I field monitoring. Although MAML monitoring data cannot be used to directly validate the short-term estimates from the Phase II CALPUFF modeling analysis, it provides field data that confirms the actual level and frequency of short-term pollutant peaks.

This report presents the data collected for NO, NO<sub>2</sub>, SO<sub>2</sub> PM<sub>2.5</sub> by MAML between May 26<sup>th</sup> and Aug 24<sup>th</sup>, 2009. For comparison purposes, data from the Ministry of Environment air quality monitoring stations are also presented when applicable, as are current air quality guidelines. Port activity data were provided by the Greater Victoria Harbour Authority, including vessel name and date/duration in port (Appendix I).

## 2. Sampling Location and Dates

MAML was located on Montreal Street, adjacent to the community gardens at the northwest corner of Macdonald Park (Figure A). This site was chosen to park MAML for several reasons, the main two being adequate room to park MAML for several months and install a temporary hydro pole, as well as being at a location within the area in James Bay predicted to experience highest 24-hour SO<sub>2</sub> concentrations based on 2007 model predictions (Figure B). MAML was used to measure concentration levels of NO, NO<sub>2</sub>, SO<sub>2</sub>, and PM<sub>2.5</sub> in James Bay over 89 days (2,147 hours) during the 2009 cruise ship

---

<sup>1</sup> JBAQS Phase I Field Monitoring Report available at: <http://www.viha.ca/mho/publications/>

<sup>2</sup> JBAQS Phase II Air Quality Modeling Report available at: <http://www.viha.ca/mho/publications/>

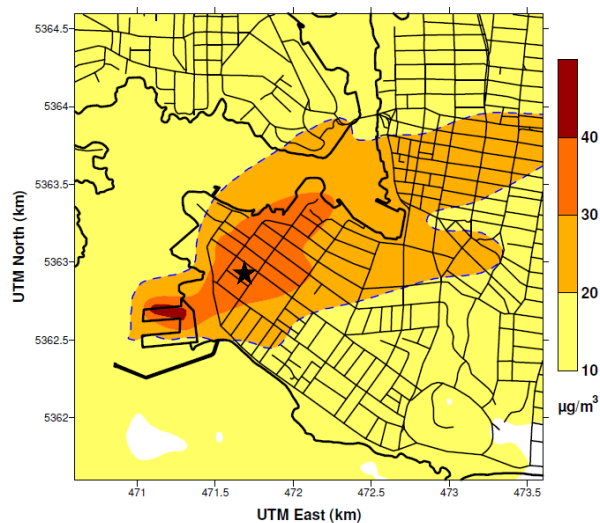
season, from 21:00 May 26 to 07:00 August 24. All instruments were calibrated and maintained by BC Ministry of Environment staff.

A.



MAML monitoring location within the James Bay neighbourhood, adjacent to the community garden and daycare centre.

B.



Predicted maximum 24-hour SO<sub>2</sub> concentrations (area within blue dashed line indicates exceedance of WHO guideline of 20 µg/m<sup>3</sup> for a 24-hour period).

**Figure 2.1. MAML monitoring location in James Bay during the 2009 cruise ship season**  
(21:00 May 26 – 0:700 August 24)

### 3. Data processing

Raw data from MAML were provided to researchers at UVIC and required the following processing:

- Correction of instrument drift over time, as indicated by examination of zero and span check records.
- Conversion of measured levels from parts per billion (ppb) to micrograms per cubic metre (µg/m<sup>3</sup>), in order to be consistent with air quality standards for comparative purposes (See Appendix II).

On inspection, data from May 29<sup>th</sup> appeared anomalous due to sudden extreme high values for four hourly periods and therefore were not included in any of the summaries. No cruise ships or other large marine vessels were reported as being in port on this day; however the data appear to be more characteristic of days with large marine vessels in port. It may be that a large marine vessel was present but not reported; but without confirmation we chose not to consider these data as representative of conditions with no large marine vessels in port. These data are provided in Appendix III. Complete 1-hour and 24-hour data for MAML and TOPAZ are included in Appendices IV to VII.

---

Hourly data from the Ministry of Environment air quality monitoring station on Topaz Avenue are provided for comparison purposes. Ministry of Environment staff conducted the quality assurance of these data.

#### 4. Other Useful Reports

Air quality in the James Bay area has been the subject of a number of reports:

- **James Bay Air Quality Study: Phase I Report on the Results of Field Monitoring in 2007.** Prepared by the James Bay Air Quality Study Team for the Vancouver Island Health Authority. 2008. Available at: <http://www.viha.ca/mho/publications/>
  - This report provides summaries of field data collected in the James Bay area on 2007, and a preliminary analysis of data from the Topaz Station on days with and without cruise ships in port.
- **James Bay Air Quality Study: Phase II Report on the Results of CALPUFF Air Quality Dispersion Modelling 2007.** Prepared by the James Bay Air Quality Study Team for the Vancouver Island Health Authority 2009. Available at: <http://www.viha.ca/mho/publications/>
  - This report provides a description of modelling undertaken to predict 1-hour, 24-hour, and seasonal average pollutant levels.
- **Air Quality in the Capital Regional District 2008.** Prepared by SENES Consultants Limited for the Capital Regional District Environmental Services Department, November 2009. Available from the Capital Regional District.
  - This report includes an appendix with an analysis of SO<sub>2</sub> levels and their coincidence with the presence of cruise ships in port, for 2008.

## 5. Data Summary – 10-minute Averages

**Table 5.1 Current 10-Minute Air Quality Guidelines(ug/m<sup>3</sup>)**

	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
CRD	--	--	--	--	--
Can –Max Acceptable	--	--	--	--	--
World Health Org	--	--	500	--	--
BC Level A	--	--	--	--	--
Can Max Desirable	--	--	--	--	--

**Table 5.2 MAML 10-minute averages\***

Percentiles	SO <sub>2</sub>
90th	10.4
95th	40.1
96th	69.7
97th	109.4
98th	175.3
99th	266.9
100th	599.4

\* 12,129 intervals with valid data

**Table 5.3 MAML Ten highest averages**

Rank	Day	Intervals	Level ug/m <sup>3</sup>	>500 ug/m <sup>3</sup>	Ships in Port	Arrival	Departure
1		05/06/2009 17:20	599.4	x	Amsterdam	17:47	23:26
2	5-Jun	05/06/2009 18:30	594.1	x	Golden Princess	18:24	23:54
7		05/06/2009 18:50	482.9				
9		13/06/2009 16:10	472.8				
6		13/06/2009 16:20	491.4		Star Princess	16:48	0:09
3	13-Jun	13/06/2009 16:30	509.8	x	Norwegian Pearl	17:48	23:32
8		13/06/2009 23:00	476.0		Westerdam	17:53	23:42
4		13/06/2009 23:10	498.3				
5		21/08/2009 20:10	482.9		Amsterdam	17:35	23:19
10	21-Aug	21/08/2009 20:20	466.4		Golden Princess	18:30	23:53

### Exceedences:

- The WHO 10-minute guideline of 500 ug/m<sup>3</sup> was exceeded three times at the MAML location.
- The maximum level measured at Topaz Station over the same period was 316 ug/m<sup>3</sup>.

## 6. Data Summary – 1-hour Averages

**Table 6.1 Current 1-Hour Air Quality Guidelines (ug/m<sup>3</sup>)**

	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
CRD	--	200	--	--	--
Can –Max Acceptable	--	400	--	--	--
World Health Org	--	200	--	--	--
BC Level A	--	--	450	--	--
Can Max Desirable	--	--	450	--	--
Proposed US EPA	--	--	135 - 265	--	--

**Table 6.2 MAML 1-Hour Summary (ug/m<sup>3</sup>)**

Overall	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Min	0.0	0.4	0.0	1.0	0.0
Max	341.3	81.7	447.8	61.0	32.0
Avg	10.1	17.0	12.0	10.8	7.4
Med	2.7	13.6	2.7	10.0	7.0
Stdev	29.5	13.3	40.2	6.4	4.2
Total hours	2,005	2,005	2,011	2,121	2,121
% Complete	93.4	93.4	93.7	98.8	98.8

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5th	0.0	2.5	0.2	3.0	2.0
25th	0.5	7.3	1.1	7.0	4.4
50th	2.7	13.6	2.7	10.0	7.0
75th	7.5	23.0	5.1	14.0	9.0
90th	18.2	34.8	14.1	19.0	13.0
95th	32.7	43.5	47.0	23.0	16.0
96th	44.4	46.1	77.9	25.0	16.0
97th	67.7	50.0	110.7	26.0	17.0
98th	118.7	56.1	164.0	28.0	18.0
99th	166.5	63.9	245.7	32.0	20.0
100th	341.3	81.7	447.8	61.0	32.0

### Exceedences:

- The lowest level of the 1-hour guideline proposed by the US Environmental Protection Agency for SO<sub>2</sub> (135 ug/m<sup>3</sup>) was exceeded no more than 3 percent of the hours (52 out of 2,011 hours).

**Table 6. 3 TOPAZ 1-Hour Summary (ug/m<sup>3</sup>)**

<b>Overall</b>	<b>NO</b>	<b>NO<sub>2</sub></b>	<b>SO<sub>2</sub></b>	<b>PM<sub>2.5</sub></b>
Min	0.0	0.4	0.6	0.0
Max	125.5	100.3	169.8	30.0
Avg	7.9	19.4	6.1	5.8
Med	3.4	16.5	2.4	5.0
Stdev	12.3	14.0	12.1	4.5
Total Hours	2,009	2,008	2,039	2,089
% Complete	92.0	91.9	93.4	95.7

<b>Percentiles</b>	<b>NO</b>	<b>NO<sub>2</sub></b>	<b>SO<sub>2</sub></b>	<b>PM<sub>2.5</sub></b>
5th	0.0	3.8	1.1	0.0
25th	0.7	8.8	1.7	3.0
50th	3.4	16.5	2.4	5.0
75th	9.7	25.7	4.8	8.0
90th	20.9	36.9	12.0	12.0
95th	31.1	47.1	23.7	15.0
98th	47.5	60.4	49.5	19.0
99th	60.3	67.2	61.1	21.0
100th	125.5	100.3	169.8	30.0

**Exceedences:**

- The lowest level of the 1-hour guideline proposed by the US Environmental Protection Agency for SO<sub>2</sub> (135 ug/m<sup>3</sup>) was exceeded once (1 out of 2,039 hours).

**Table 6.4 MAML - Twenty Highest 1-Hour Averages**

NO				NO <sub>2</sub>				SO <sub>2</sub>				PM <sub>10</sub>				PM <sub>2.5</sub>			
Date	Time	ug/m3	#cruise	Date	Time	ug/m3	#cruise	Date	Time	ug/m3	#cruise	Date	Time	ug/m3	#cruise	Date	Time	ug/m3	#cruise
18-Jul-09	17:00	341.3	1+1nr	28-May-09	22:00	81.7	2	13-Jun-09	16:00	448	0+3nr	10-Jun-09	8:00	61	1+nr	4-Aug-09	20:00	32	0
5-Jun-09	18:00	321.5	1+1nr	5-Jun-09	18:00	78.5	1+1nr	5-Jun-09	18:00	448	1+1nr	1-Jun-09	19:00	48	0	4-Aug-09	21:00	30	0
18-Jul-09	18:00	311.7	2+1nr	11-Jun-09	18:00	75.2	2	18-Jul-09	17:00	381	1+1nr	2-Jun-09	8:00	43	0	4-Aug-09	22:00	28	0
13-Jun-09	16:00	299.5	0+3nr	6-Aug-09	21:00	75.0	2	18-Jul-09	18:00	354	2+1nr	4-Aug-09	19:00	42	0	4-Aug-09	23:00	28	0
13-Jun-09	21:00	268.6	3	13-Jun-09	16:00	74.1	0+3nr	13-Jun-09	21:00	351	3	3-Jun-09	7:00	41	0	4-Aug-09	19:00	27	0
21-Aug-09	19:00	258.2	2	10-Jun-09	17:00	72.7	2	5-Jun-09	17:00	322	1+nr	3-Jun-09	8:00	40	1+nr	28-Jul-09	22:00	24	0
21-Aug-09	20:00	246.2	2	13-Jun-09	20:00	71.8	3	21-Aug-09	20:00	313	2	2-Jun-09	7:00	40	0	5-Aug-09	0:00	24	1
20-Jun-09	17:00	239.7	1+1nr	19-Jun-09	22:00	71.2	2	13-Jun-09	20:00	305	3	6-Jun-09	13:00	39	1	28-Jul-09	23:00	23	0
13-Jun-09	20:00	227.3	3	11-Jun-09	20:00	70.6	2	21-Aug-09	19:00	305	2	1-Jun-09	16:00	39	0	2-Jun-09	6:00	22	0
17-Jul-09	18:00	227.0	3	13-Jun-09	21:00	68.9	3	13-Jun-09	18:00	300	3	3-Jun-09	20:00	38	1	6-Jun-09	12:00	22	1
19-Jun-09	18:00	223.4	1+1nr	13-Jun-09	18:00	67.8	3	11-Jun-09	18:00	289	2	29-Jul-09	15:00	37	2+nr	29-Jul-09	20:00	22	0
5-Jun-09	17:00	219.4	1+nr	19-Jun-09	19:00	67.6	2	17-Jun-09	16:00	288	2	4-Aug-09	20:00	36	0	29-Jul-09	0:00	21	0
19-Jun-09	17:00	219.0	1+nr	10-Jun-09	19:00	67.4	2	10-Jun-09	17:00	278	2	2-Jun-09	6:00	36	0	3-Jun-09	2:00	21	0
13-Jun-09	18:00	212.1	3	10-Jun-09	22:00	66.8	2	11-Jun-09	20:00	278	2	6-Jun-09	12:00	35	1	3-Jun-09	1:00	21	0
19-Jun-09	19:00	207.3	2	6-Aug-09	20:00	66.8	2	19-Jun-09	17:00	274	1+nr	3-Jun-09	6:00	35	0	2-Jun-09	23:00	21	0
19-Jun-09	22:00	201.8	2	20-Jun-09	17:00	65.9	1+2nr	20-Jun-09	17:00	268	1+1nr	28-Jul-09	16:00	34	0	2-Jun-09	5:00	21	0
17-Jun-09	16:00	186.6	2	5-Jun-09	17:00	65.3	1+nr	10-Jun-09	22:00	258	2	17-Aug-09	7:00	34	0	29-Jul-09	19:00	20	0
25-Jun-09	15:00	180.5	2	13-Jun-09	19:00	65.1	3	19-Jun-09	19:00	258	2	28-Jul-09	22:00	33	0	28-Jul-09	21:00	20	0
18-Jul-09	20:00	173.5	3	19-Jun-09	17:00	64.7	1+nr	19-Jun-09	22:00	252	2	4-Aug-09	21:00	33	0	2-Jun-09	21:00	20	0
10-Jun-09	17:00	170.4	2	19-Jun-09	18:00	63.9	1+1nr	13-Jun-09	22:00	248	3	1-Jun-09	18:00	32	0	6-Jun-09	11:00	20	1

\*nr = cruise ship reported arriving in hour before or hour after

**Marine Vessels in Addition to Cruise Ships**

Vessel Name	Type	Arrival	Departure	Interpretation
Pac Alnath	Freighter	6/8/2009 13:00	6/10/2009 12:00	<ul style="list-style-type: none"> <li>Large vessels other than cruise ships do not appear to have much influence on the highest twenty measured 1-hour average levels of NO, NO<sub>2</sub> and SO<sub>2</sub>.</li> <li>Cruise ships do not appear to have much influence on the highest twenty 1-hour average measured levels of PM<sub>10</sub> and PM<sub>2.5</sub>.</li> </ul>
Archimedes	Super Yacht	6/9/2009 13:00	6/10/2009 6:00	
Joides Resolution	Scientific Research Vessel	7/5/2009 7:00	7/10/2009 7:00	
Viking Vision	Scientific Research Vessel	7/12/2009 7:00	7/15/2009 23:59	
Lodbrog	Fishing Vessel	8/19/2009 22:30	8/20/2009 12:30	

## 7. Data Summary – 24-hour Averages

**Table 7.1 Current 24-Hour Air Quality Guidelines (ug/m<sup>3</sup>)**

	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
CRD	--		125	50	25
Can –Max Acceptable	--	200	--	--	30
World Health Org	--		20	50	25
BC Level A	--	--	160	50	25
Can Max Desirable	--	--	150	--	--

**Table 7.2 MAML 24-Hour Summary (ug/m<sup>3</sup>)\***

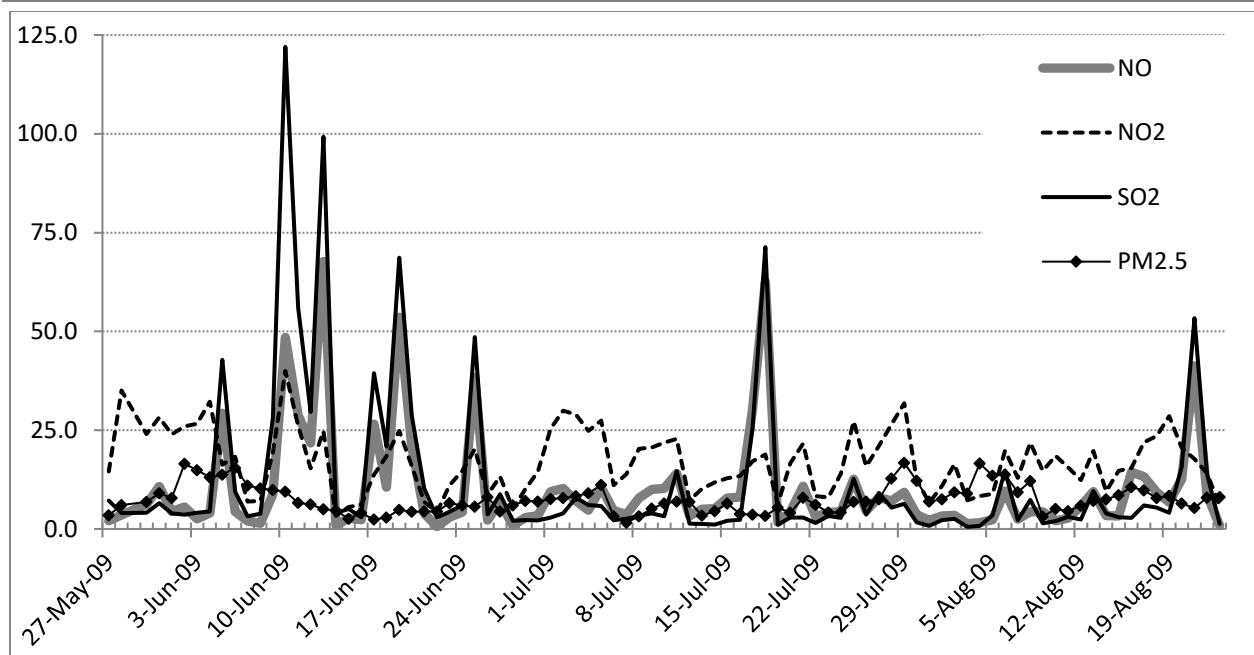
Overall	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Min	0.6	3.3	0.5	2.1	1.6
Max	67.7	40.0	122.0	26.6	16.7
Avg	10.1	17.0	12.2	10.8	7.4
Med	4.9	15.9	3.9	10.0	6.9
Stdev	13.3	7.9	21.2	5.0	3.5

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5th	1.4	5.9	1.2	4.6	3.2
25th	3.2	11.0	2.6	7.4	4.6
50th	4.9	15.9	3.9	10.0	6.9
75th	10.2	22.1	9.2	13.0	9.0
80th	10.8	24.5	13.5	13.9	9.6
84th	13.3	25.4	16.1	15.0	10.6
85th	14.0	26.0	20.6	15.2	10.9
90th	27.2	27.3	32.6	17.6	12.9
95th	40.3	29.6	55.1	20.6	14.5
98th	55.9	32.9	78.6	24.7	16.5
99th	63.3	35.7	102.2	25.5	16.6
100th	67.7	40.0	122.0	26.6	16.7

\* 88 days with valid data

### Exceedences:

- The World Health Organization 24-hour guideline for SO<sub>2</sub> (20 ug/m<sup>3</sup>) was exceeded 15 percent of the time (14 days out of 89)



**Figure 7.1. MAML 24-Hour Average Levels**

**Interpretation:**

- At the MAML site, 24-hour average SO<sub>2</sub> and NO followed similar trends over time. This suggests a common source and would be consistent with nearby cruise ship emissions.
- NO<sub>2</sub> sometimes followed the same trend as SO<sub>2</sub> and NO, but not consistently. The relationship between NO and NO<sub>2</sub> is complex as NO is converted with time and distance from the source. These data suggest more than one source of NO<sub>2</sub> at the MAML site.
- PM<sub>2.5</sub> levels rarely followed the same trend as NO, NO<sub>2</sub> or SO<sub>2</sub>. This suggests there are multiple sources of PM<sub>2.5</sub> in the study area.

**Table 7. 3 MAML - Fifteen Highest 24-Hour Averages**

NO			NO <sub>2</sub>			SO <sub>2</sub>			PM <sub>10</sub>			PM <sub>2.5</sub>		
date	ug/m3	#cruise	date	ug/m3	#cruise	date	ug/m3	#cruise	date	ug/m3	#cruise	date	ug/m3	#cruise
13-Jun-09	67.7	3	10-Jun-09	40.0	3	10-Jun-09	122	3	3-Jun-09	27	2	29-Jul-09	17	2
18-Jul-09	62.6	3	28-May-09	35.0	3	13-Jun-09	99	3	2-Jun-09	25	0	4-Aug-09	17	0
19-Jun-09	53.6	2	4-Jun-09	32.2	3	18-Jul-09	71	3	29-Jul-09	24	2	2-Jun-09	17	0
10-Jun-09	48.5	3	29-Jul-09	31.8	2	19-Jun-09	69	2	6-Jun-09	21	4	6-Jun-09	15	4
21-Aug-09	41.3	2	2-Jul-09	29.9	3	11-Jun-09	56	4	28-Jul-09	21	0	3-Jun-09	15	2
25-Jun-09	38.3	1	3-Jul-09	29.0	2	21-Aug-09	53	2	4-Jun-09	21	3	5-Jun-09	14	2
17-Jul-09	30.3	3	19-Aug-09	28.5	1	25-Jun-09	49	1	4-Aug-09	20	0	6-Aug-09	14	3
5-Jun-09	29.3	2	31-May-09	28.3	0	5-Jun-09	43	2	5-Jun-09	20	2	5-Aug-09	13	1
11-Jun-09	28.7	4	5-Jul-09	27.4	1	17-Jun-09	39	2	30-Jul-09	18	2	4-Jun-09	13	3
17-Jun-09	26.5	2	25-Jul-09	27.3	3	12-Jun-09	30	2	6-Aug-09	17	3	28-Jul-09	13	0
12-Jun-09	21.7	2	3-Jun-09	26.6	2	20-Jun-09	29	3	1-Jun-09	17	1	30-Jul-09	12	2
20-Jun-09	20.9	3	28-Jul-09	26.4	0	9-Jun-09	28	0	5-Aug-09	17	1	8-Aug-09	12	3
16-Aug-09	14.4	0	11-Jun-09	26.1	4	17-Jul-09	26	3	7-Jun-09	15	0	5-Jul-09	11	1
11-Jul-09	14.1	4	2-Jun-09	26.0	0	18-Jun-09	21	3	8-Jun-09	15	0	7-Jun-09	11	0
17-Aug-09	13.3	0	1-Jul-09	25.4	1	20-Aug-09	16	3	5-Jul-09	15	1	16-Aug-09	11	0

**Marine Vessels in Addition to Cruise Ships**

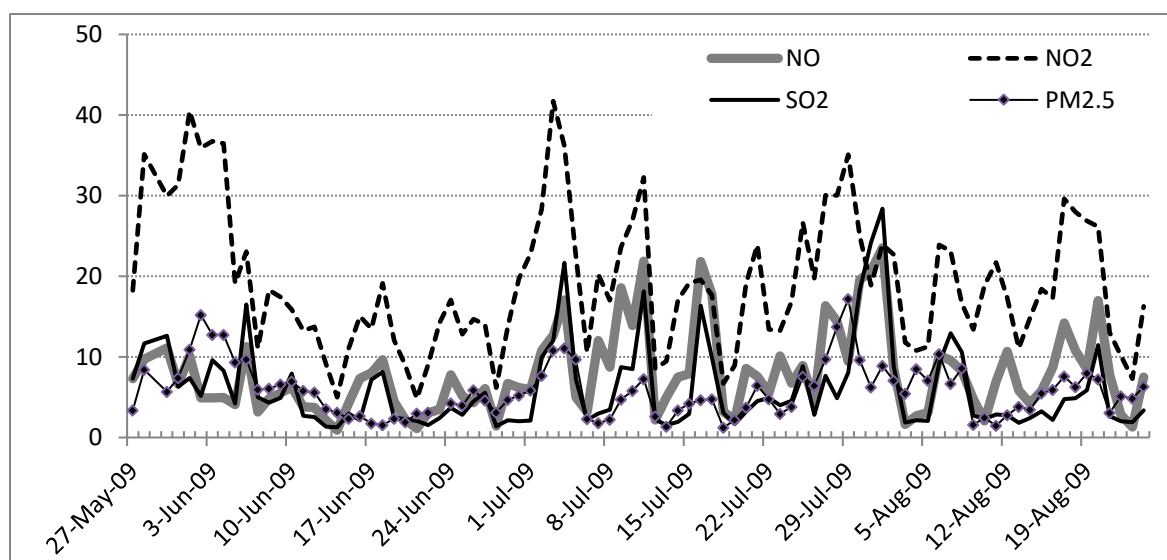
Vessel Name	Type	Arrival	Departure	Interpretation
Pac Alnath	Freighter	6/8/2009 13:00	6/10/2009 12:00	<ul style="list-style-type: none"> <li>Large vessels other than cruise ships were in port on some days with high measured levels, but the previous analysis of 1-hour averages suggests these do not have a large influence.</li> <li>Cruise ships do not appear to have much influence on the highest fifteen 1-hour average measured levels of PM<sub>10</sub> and PM<sub>2.5</sub>.</li> </ul>
Archimedes	Super Yacht	6/9/2009 13:00	6/10/2009 6:00	
Joides Resolution	Scientific Research Vessel	7/5/2009 7:00	7/10/2009 7:00	
Viking Vision	Scientific Reseach Vessel	7/12/2009 7:00	7/15/2009 23:59	
Lodbrog	Fishing Vessel	8/19/2009 22:30	8/20/2009 12:30	

**Table 7.4 TOPAZ 24-Hour Summary\***

Overall	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
Min	0.9	4.8	1.3	1.2
Max	23.5	41.7	28.4	17.2
Avg	7.8	19.1	6.0	5.8
Med	6.7	17.5	4.1	5.5
Stdev	5.3	8.6	5.3	3.3

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
5th	1.5	7.8	1.5	1.6
25th	4.2	13.1	2.3	3.1
50th	6.7	17.5	4.1	5.5
75th	10.0	23.9	8.1	7.4
90th	16.4	31.4	12.1	9.8
95th	19.1	36.0	17.4	12.1
98th	21.8	37.6	22.2	14.1
99th	22.0	40.6	24.6	15.4
100th	23.5	41.7	28.4	17.2

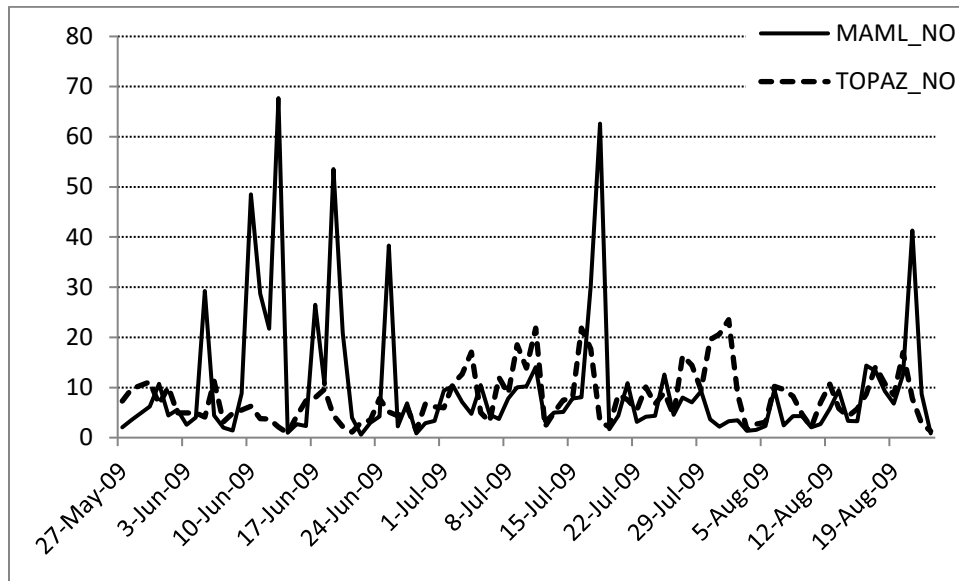
\* 88 days matching those with valid data at MAML



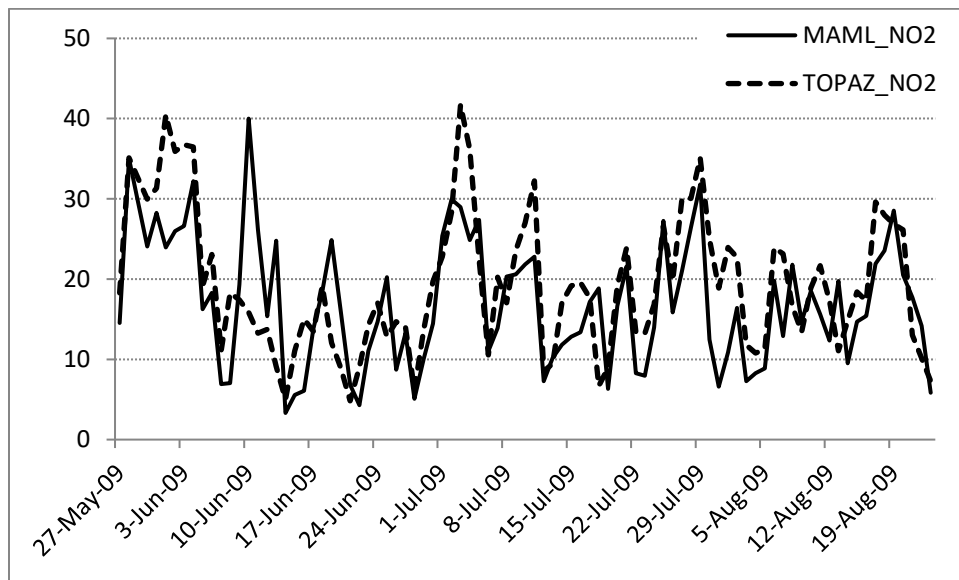
**Figure 7.2. TOPAZ 24-Hour Average Levels**

**Interpretation:**

- Trends at TOPAZ were not as clear as those seen at MAML. There was some coincidence in the trends of SO<sub>2</sub>, NO and NO<sub>2</sub>, suggesting a common source or regional influences.
- PM<sub>2.5</sub> levels occasionally followed the same trend as NO, NO<sub>2</sub> or SO<sub>2</sub>. This suggests multiple sources of PM<sub>2.5</sub> affect the study area.



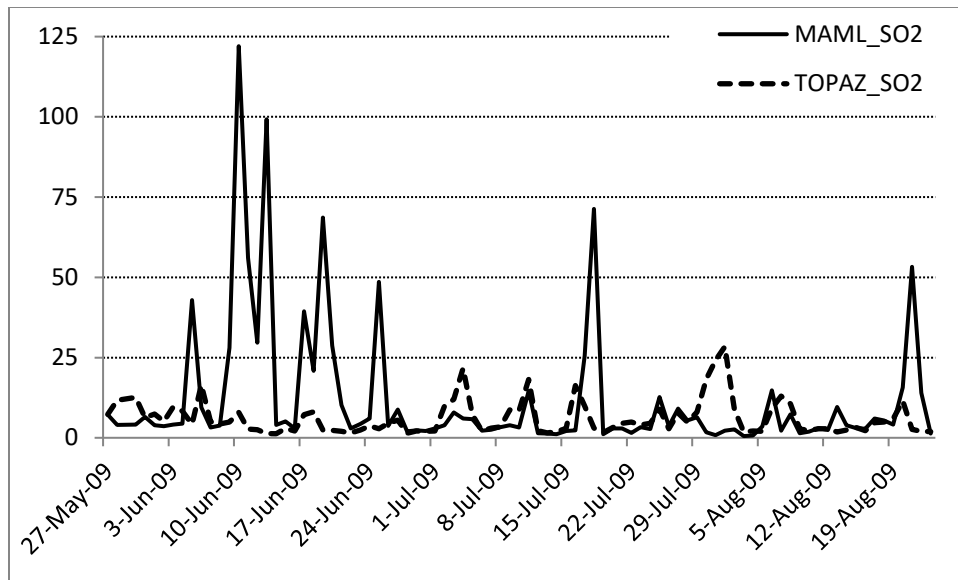
**Figure 7.3. NO - MAML and TOPAZ 24-Hour Average Levels**



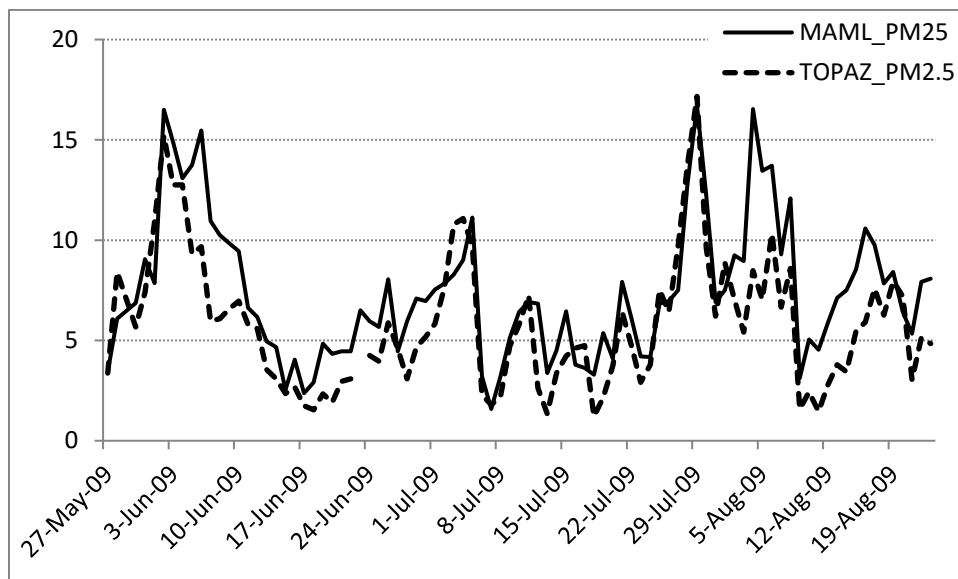
**Figure 7.4. NO<sub>2</sub> - MAML and TOPAZ 24-Hour Average Levels**

**Interpretation:**

- NO levels occasionally followed the same trend at MAML and TOPAZ, suggesting a common source can influence both sites under some conditions.
- NO<sub>2</sub> levels coincided more frequently at MAML and TOPAZ, indicating either a common source or regional influences.



**Figure 7.5 SO<sub>2</sub> – MAML and TOPAZ 24-Hour Average Levels**



**Figure 7.6 PM<sub>2.5</sub> – MAML and TOPAZ 24-Hour Average Levels**

**Interpretation:**

- SO<sub>2</sub> levels occasionally followed the same trend at MAML and TOPAZ, suggesting a common source can influence both sites under some conditions.
- PM<sub>2.5</sub> levels coincided frequently at MAML and TOPAZ, indicating either a common source or regional influences.

## 8. Cruise Ship Source Analysis - Hourly Averages

**Table 8.1 MAML 1-Hour Averages for Days with Cruise Ships in Port\***

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5th	0.0	2.7	0	2	2
25th	0.7	8.6	1	7	4
50th	3.2	15.6	3	10	6
75th	8.9	26.0	6	14	9
90th	22.7	39.4	26	19	14
95th	58.3	49.1	101	23	16
98th	152.8	61.2	214	27	18
99th	213.2	66.9	278	30	19
100th	341.3	81.7	448	61	24

\* 57 days

**Table 8.2 MAML 1-Hour Averages for Days without Cruise Ships in Port\***

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5th	0.0	2.1	0	3	2
25th	0.2	5.7	1	7	5
50th	1.7	10.7	2	10	7
75th	5.7	17.6	3	13	10
90th	12.2	26.6	7	19	13
95th	18.7	31.8	11	23	15
98th	26.6	38.8	19	29	19
99th	43.7	41.5	38	33	21
100th	67.9	51.7	93	43	32

\* 31 days

**Table 8.3 TOPAZ 1-Hour Averages for Days with Cruise Ships in Port\***

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
5th	0.0	4.0	1.2	0.0
25th	0.9	9.6	1.9	3.0
50th	4.2	17.6	2.9	5.0
75th	11.5	27.8	6.1	8.0
90th	24.5	41.1	17.0	12.0
95th	34.7	51.4	32.6	15.0
98th	52.4	62.9	56.2	19.0
99th	62.2	70.0	72.1	22.0
100th	125.5	100.3	169.8	30.0

\* 57 days

**Table 8.4 TOPAZ 1-Hour Averages for Days without Cruise Ships in Port\***

Percentiles	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
5th	0.0	3.6	1.1	0.0
25th	0.6	8.4	1.5	2.0
50th	2.7	14.7	2.2	4.0
75th	7.9	22.8	3.2	7.0
90th	14.0	31.2	5.9	10.0
95th	23.3	36.9	9.0	14.0
98th	35.5	47.0	12.9	17.0
99th	49.9	55.4	19.5	19.0
100th	93.8	94.6	77.7	27.0

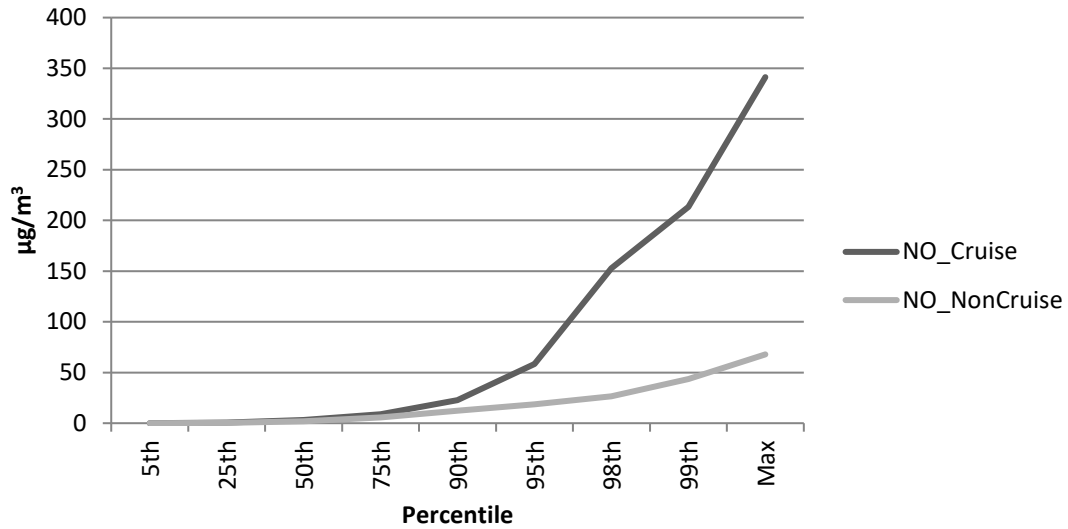
\* 31 days

**Interpretation:**

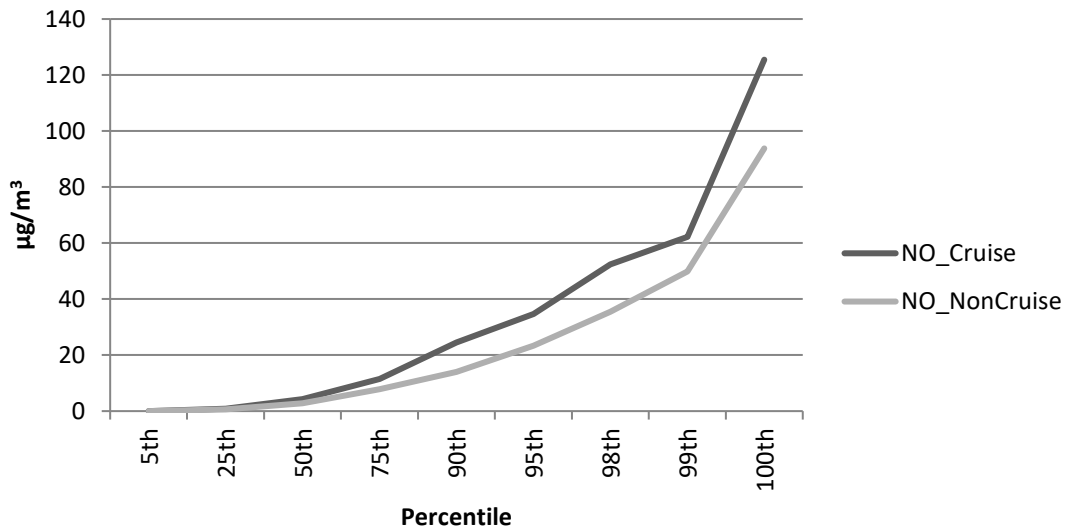
The above tables and the following graphs suggest that:

- NO, NO<sub>2</sub> and SO<sub>2</sub> levels were always higher on days with cruise ships in port than on days without, at both MAML and TOPAZ. This suggests cruise ships are a major source of NO, NO<sub>2</sub> and SO<sub>2</sub> in the study area.
- Levels of PM<sub>10</sub> and PM<sub>2.5</sub> were generally similar at both sites on days with and without cruise ships in port. This suggests cruise ships are not a dominant source of PM<sub>2.5</sub> in the region.
- The Report on CRD AQ 2008 presents a more refined comparison, including categorization by weekdays and weekends.<sup>3</sup>

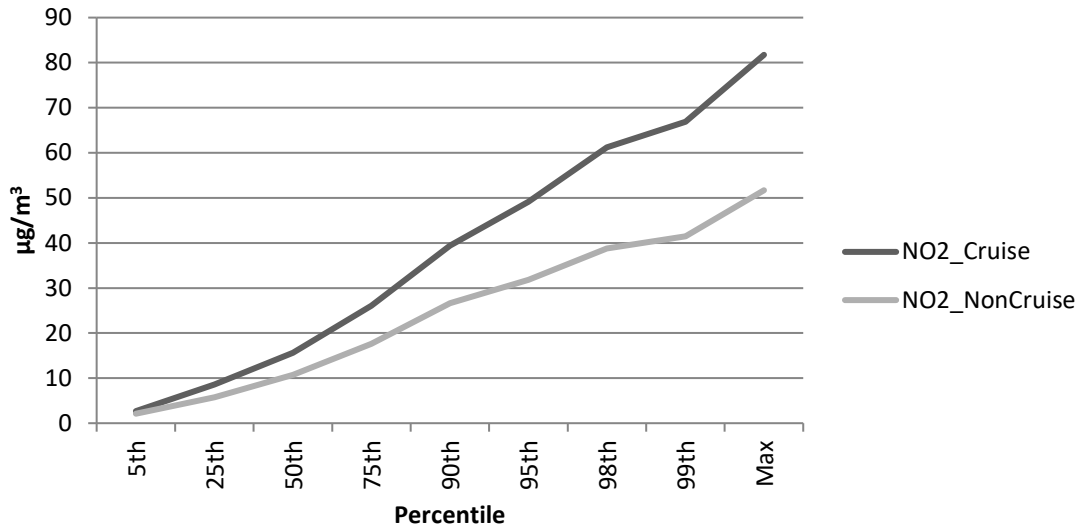
<sup>3</sup> **Air Quality in the Capital Regional District 2008.** Prepared by SENES Consultants Limited for the Capital Regional District Environmental Services Department, November 2009. Available from the Capital Regional District.



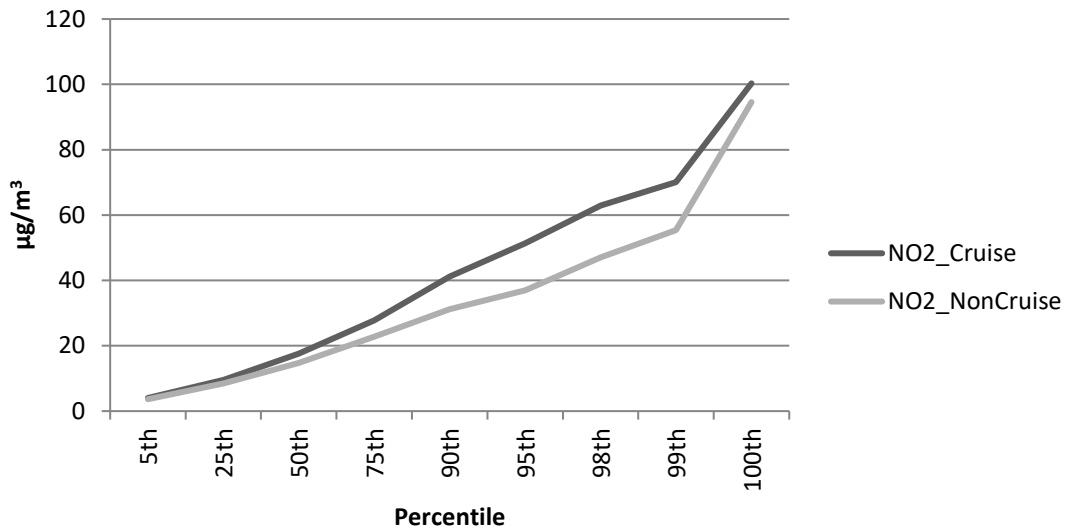
**Figure 8.1. MAML NO 1-hour Frequency Distribution**



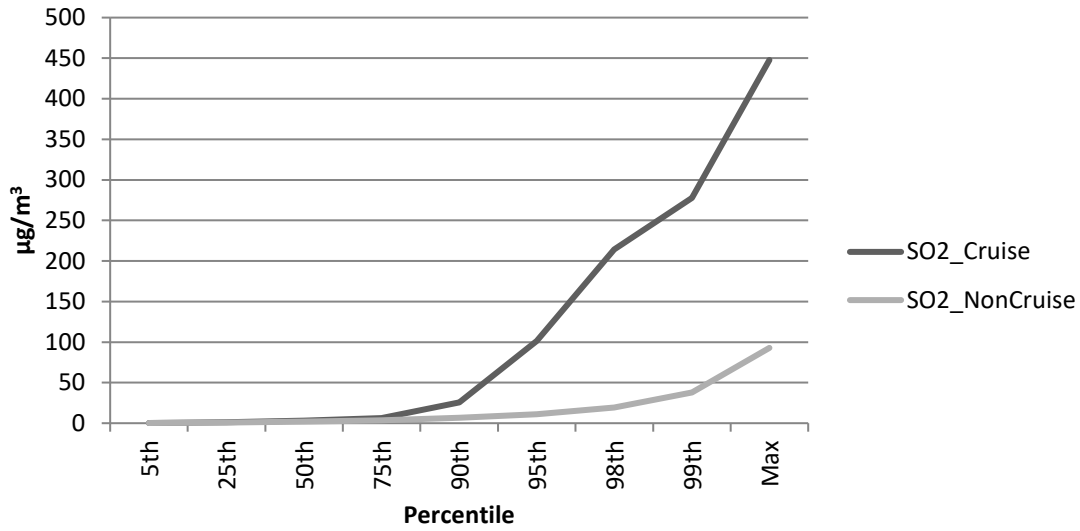
**Figure 8.2. TOPAZ NO 1-hour Frequency Distribution**



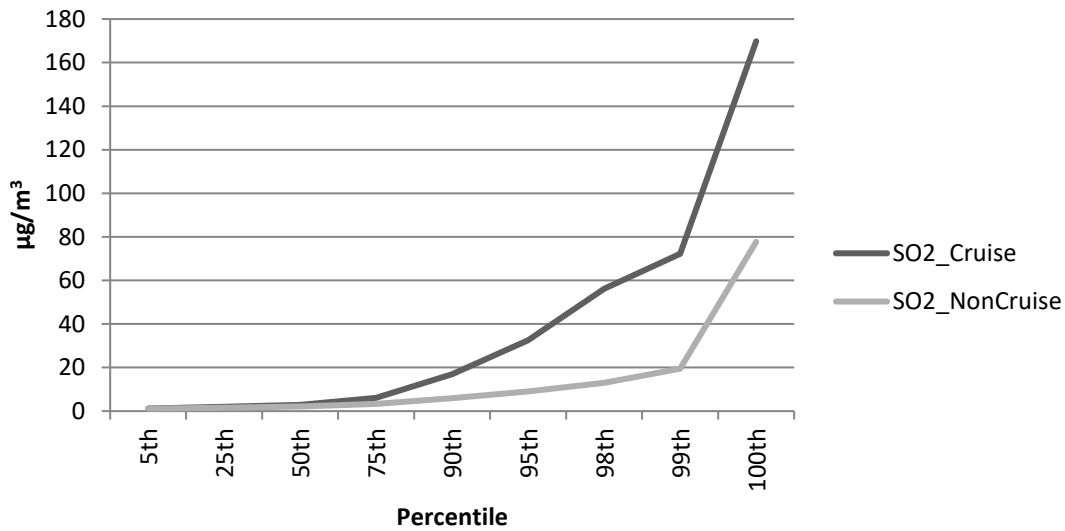
**Figure 8.3. MAML NO<sub>2</sub> 1-hour Frequency Distribution**



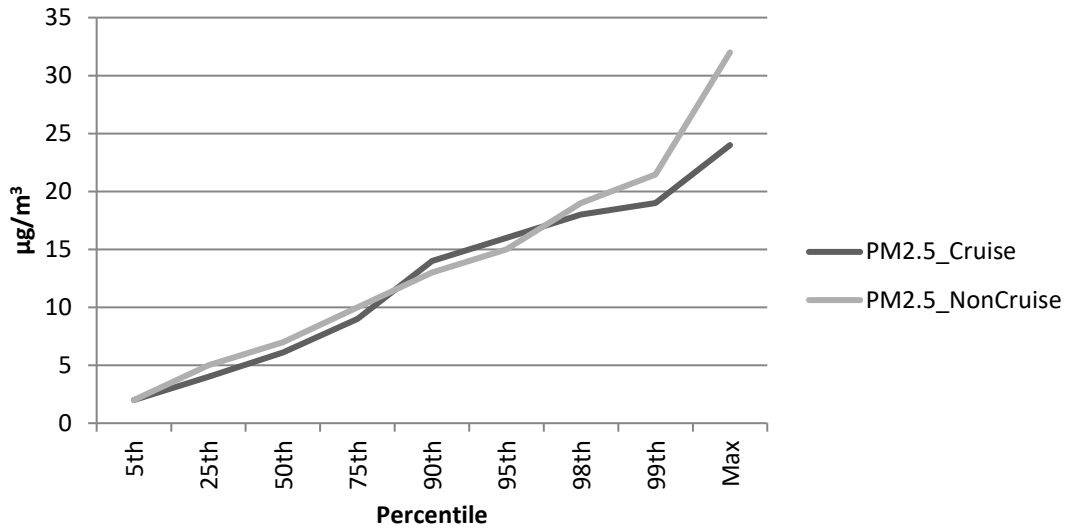
**Figure 8.4. TOPAZ NO<sub>2</sub> 1-hour Frequency Distribution**



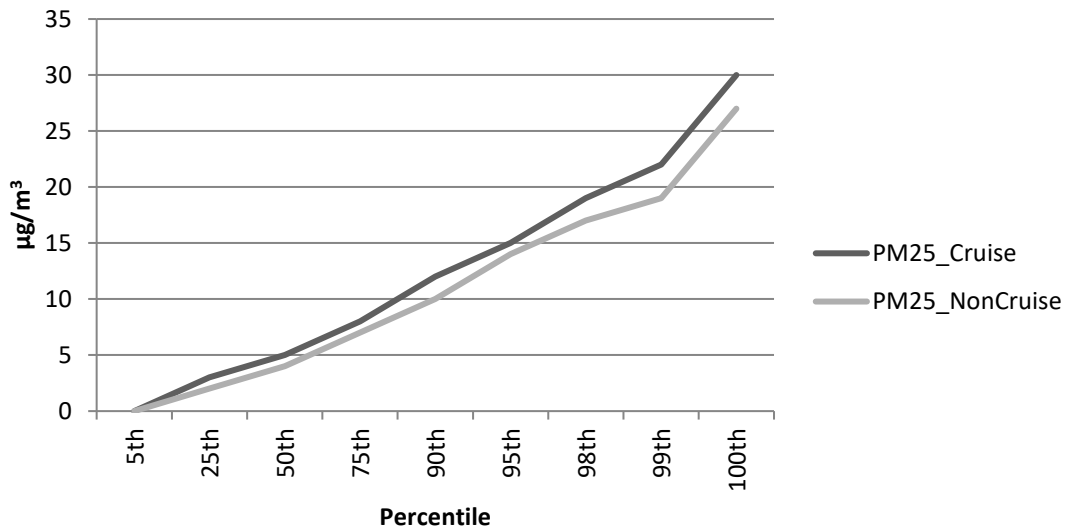
**Figure 8.5. MAML SO<sub>2</sub> 1-hour Frequency Distribution**



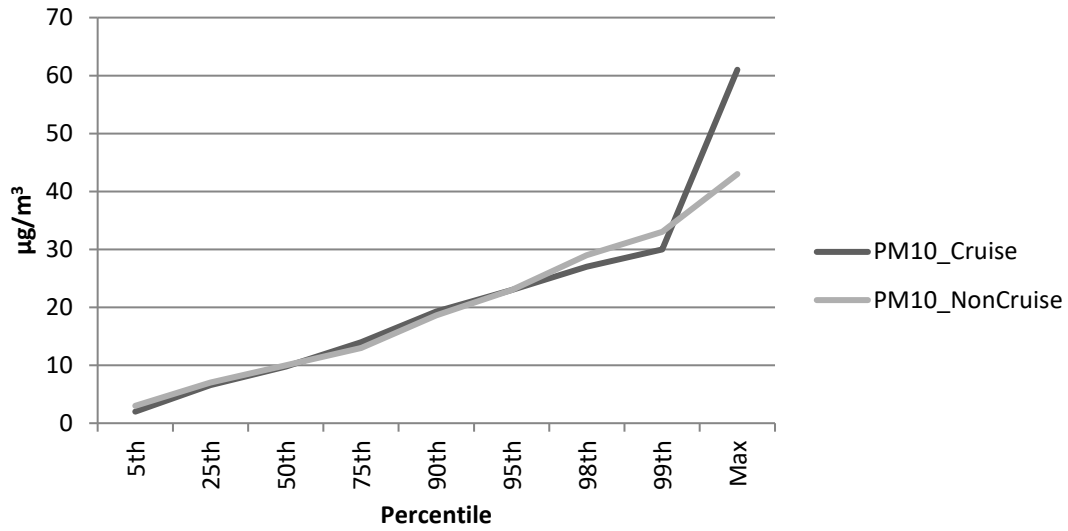
**Figure 8.6. TOPAZ SO<sub>2</sub> 1-hour Frequency Distribution**



**Figure 8.7. MAML PM<sub>2.5</sub> 1-hour Frequency Distribution**



**Figure 8.8. TOPAZ PM<sub>2.5</sub> 1-hour Frequency Distribution**



**Figure 8.9. MAML PM<sub>10</sub> 1-hour Frequency Distribution**

### 9. Cruise Ship Source Analysis - Diurnal Pattern of Hourly Averages<sup>4</sup>

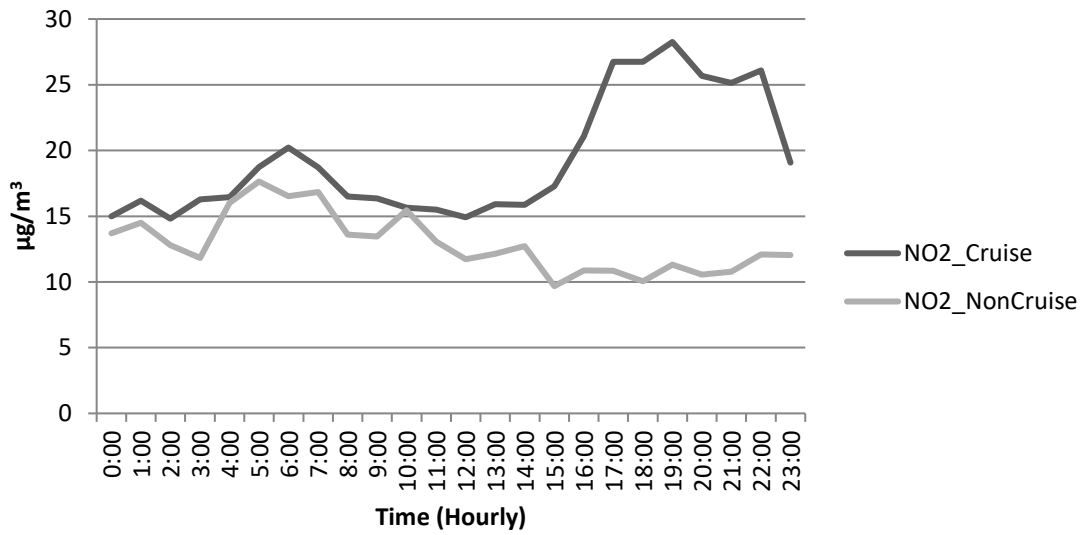


Figure 9.1. MAML NO<sub>2</sub> Diurnal Pattern

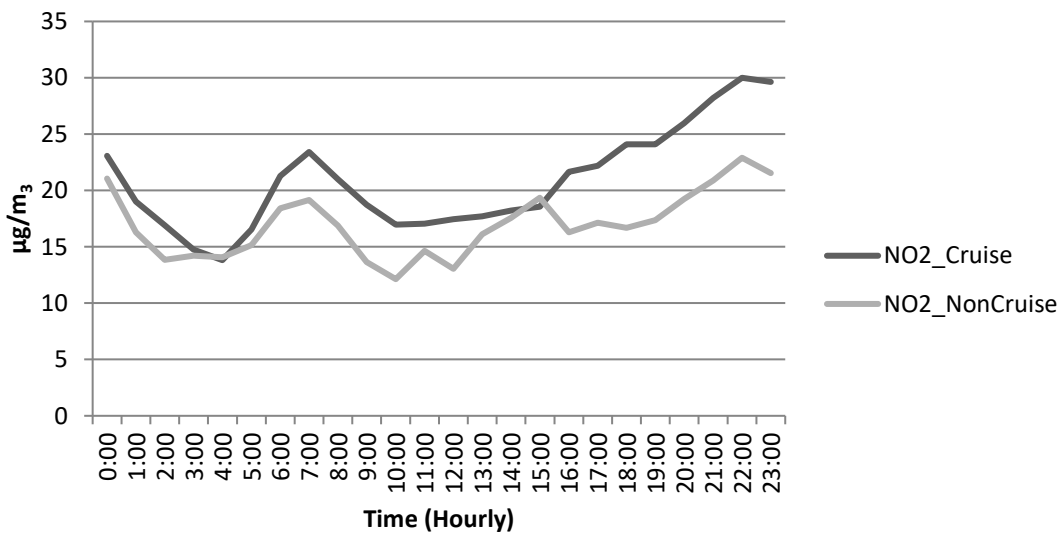
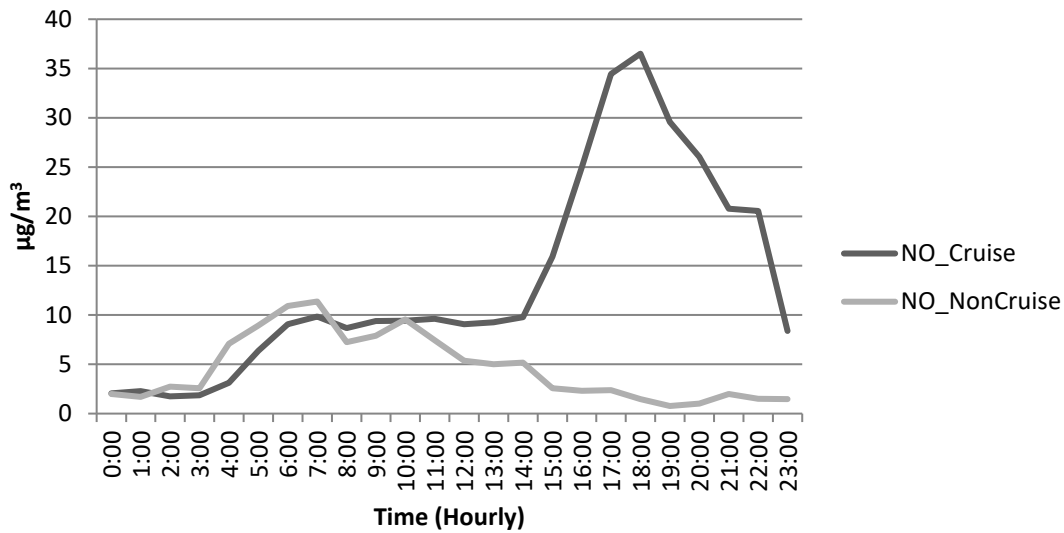


Figure 9.2. TOPAZ NO<sub>2</sub> Diurnal Pattern

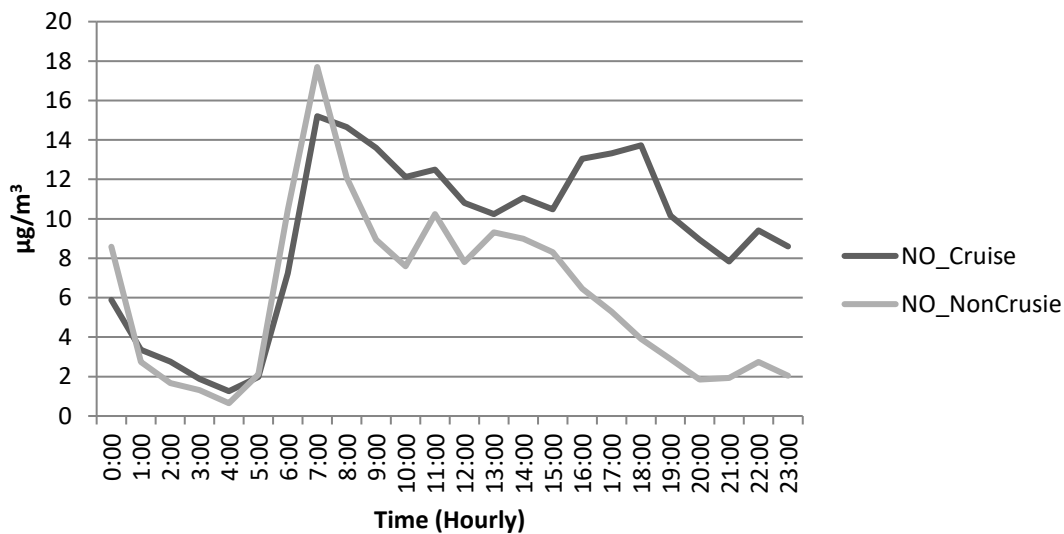
**Interpretation:**

<sup>4</sup> All measures taken within the same hourly period on days with or without cruise ships are averaged and shown in these graphs. In total, cruise ships were present on 57 days, and not present on the remaining 31 days.

- Average NO<sub>2</sub> was always higher at MAML, and almost always higher at TOPAZ on hours with cruise ships in port. The largest difference was observed at MAML between 15:00 and 23:00 hours.



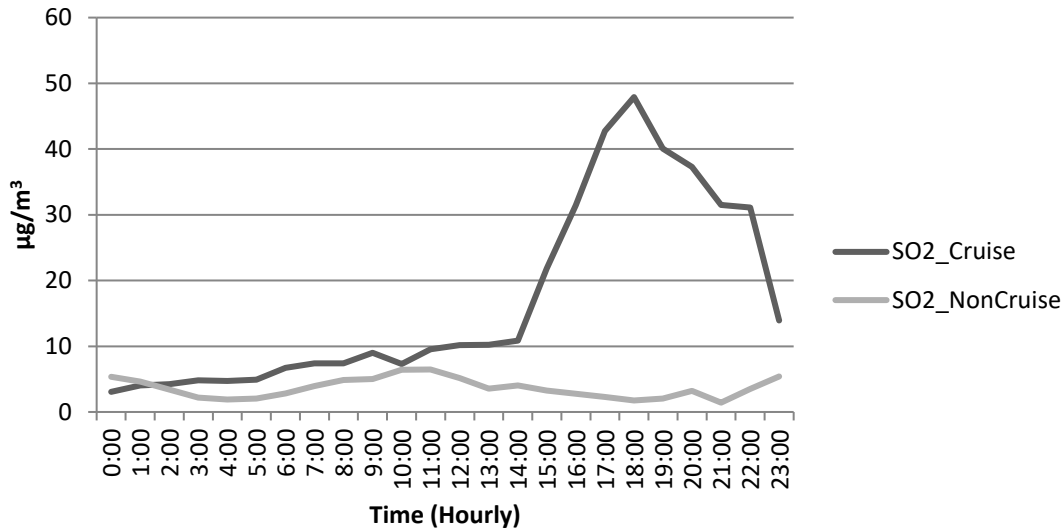
**Figure 9.3. MAML NO Diurnal Pattern**



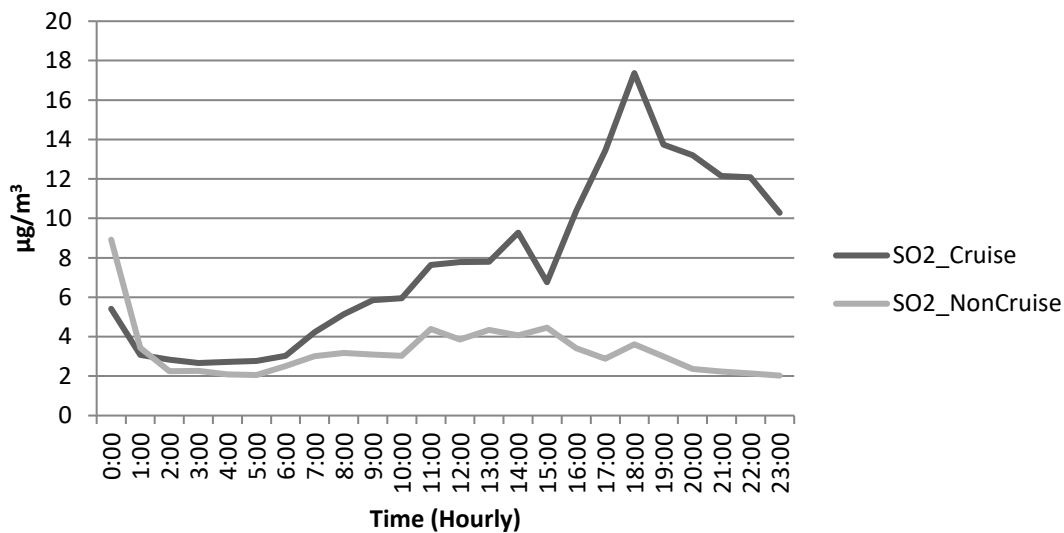
**Figure 9.4. TOPAZ NO Diurnal Pattern**

**Interpretation:**

- Average NO was always higher at MAML and TOPAZ between 7:00 and midnight on hours with cruise ships in port, with larger differences seen after 14:00. The largest difference was observed at MAML.



**Figure 9.5. MAML SO<sub>2</sub> Diurnal Pattern**



**Figure 9.6. TOPAZ SO<sub>2</sub> Diurnal Pattern**

**Interpretation:**

- Average SO<sub>2</sub> was always higher at MAML and TOPAZ (with the exception of midnight to 01:00) during hours with cruise ships in port. The largest difference was observed at MAML between 15:00 and 23:00 hours.

- The Report on CRD AQ 2008 presents a more refined comparison, including categorization by weekdays and weekends.<sup>5</sup>

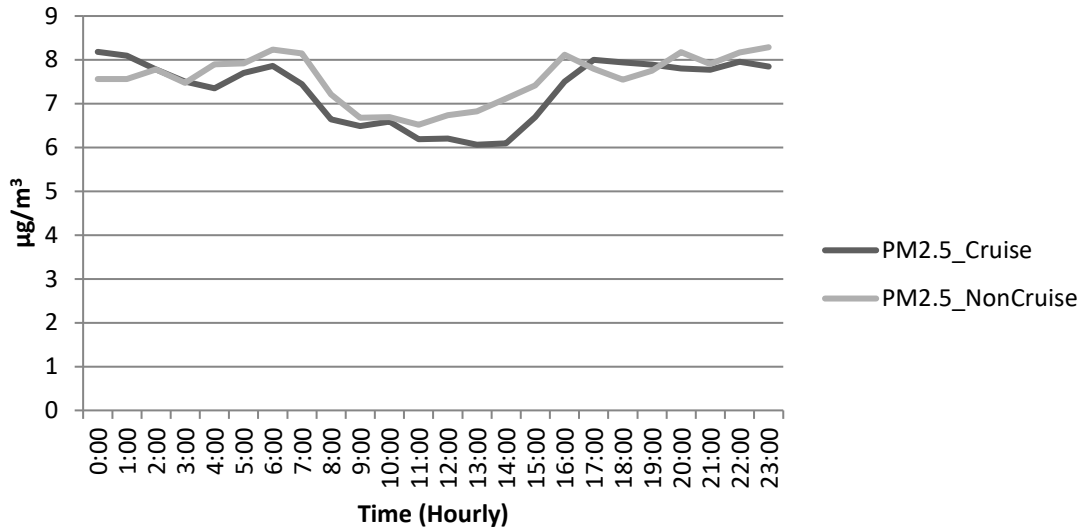
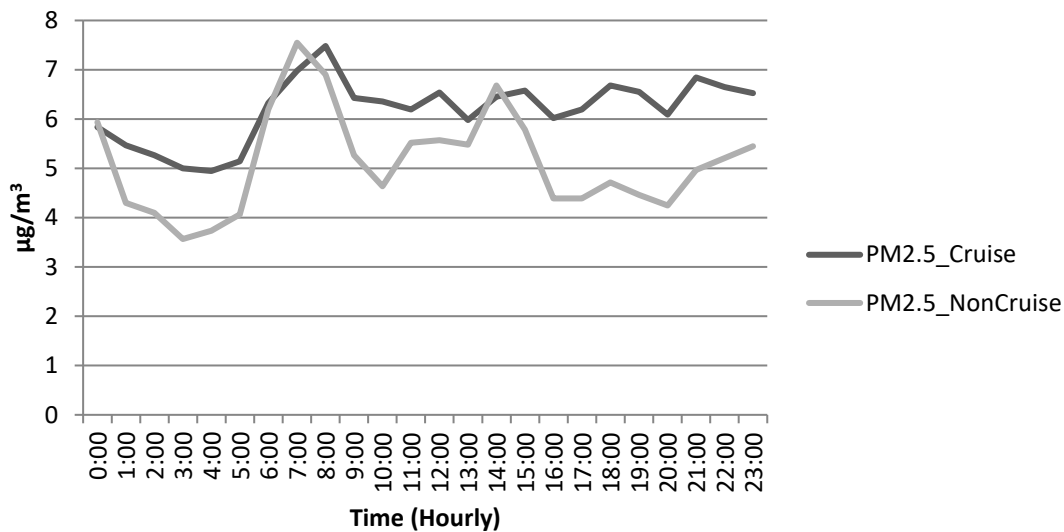


Figure 9.7. MAML PM<sub>2.5</sub> Diurnal Pattern



<sup>5</sup> Air Quality in the Capital Regional District 2008. Prepared by SENES Consultants Limited for the Capital Regional District Environmental Services Department, November 2009. Available from the Capital Regional District.

---

**Figure 9.8. TOPAZ PM<sub>2.5</sub> Diurnal Pattern**

**Interpretation:**

- Average PM<sub>2.5</sub> was similar on days with and without cruise ships at MAML, and more frequently higher by a few ug/m<sup>3</sup> at TOPAZ during hours with cruise ships.

## Appendix I – Cruise Ship Schedule

VESSEL NAME	DATE	Arrival	Departure
CARNIVAL SPLENDOR	05/27/2009	12:49	0:45
MARINER OF THE SEAS	05/27/2009	11:40	23:53
PACIFIC PRINCESS	05/27/2009	16:23	23:38
CELEBRITY INFINITY	05/28/2009	15:43	22:04
RHAPSODY OF THE SEAS	05/28/2009	8:38	17:47
ZAANDAM	05/28/2009	19:17	23:44
NORWEGIAN PEARL	05/30/2009	17:40	23:48
STAR PRINCESS	05/30/2009	17:10	23:59
WESTERDAM	05/30/2009	17:44	23:39

VESSEL NAME	DATE	Arrival	Departure
SEA PRINCESS	1/6/2009	5:12	11:26
CARNIVAL SPLENDOR	3/6/2009	9:25	1:01
MARINER OF THE SEAS	3/6/2009	11:21	23:40
CELEBRITY INFINITY	4/6/2009	13:37	22:47
RHAPSODY OF THE SEAS	4/6/2009	8:42	17:45
ZAANDAM	4/6/2009	19:22	23:48
AMSTERDAM	5/6/2009	17:47	23:26
GOLDEN PRINCESS	5/6/2009	18:24	23:54
NORWEGIAN PEARL	6/6/2009	17:38	23:45
SILVER SHADOW	6/6/2009	9:57	17:08
STAR PRINCESS	6/6/2009	16:45	0:01
WESTERDAM	6/6/2009	18:04	23:34
CARNIVAL SPLENDOR	10/6/2009	8:11	1:24
MARINER OF THE SEAS	10/6/2009	11:24	23:30
PACIFIC PRINCESS	10/6/2009	16:39	23:45
CELEBRITY INFINITY	11/6/2009	14:55	22:35
RHAPSODY OF THE SEAS	11/6/2009	8:45	17:49
SEA PRINCESS	11/6/2009	5:47	14:16
ZAANDAM	11/6/2009	19:21	23:54
AMSTERDAM	12/6/2009	17:38	23:29
GOLDEN PRINCESS	12/6/2009	18:12	23:55
NORWEGIAN PEARL	06/13/2009	17:43	23:32
STAR PRINCESS	06/13/2009	16:48	0:09
WESTERDAM	06/13/2009	17:53	23:42
SILVER SHADOW	06/15/2009	11:34	23:54
CARNIVAL SPLENDOR	06/17/2009	8:33	0:06
MARINER OF THE SEAS	06/17/2009	11:27	23:36
CELEBRITY INFINITY	06/18/2009	14:09	22:42
RHAPSODY OF THE SEAS	06/18/2009	8:45	17:43

---

<b>VESSEL NAME</b>	<b>DATE</b>	<b>Arrival</b>	<b>Departure</b>
ZAANDAM	06/18/2009	19:45	23:59
AMSTERDAM	06/19/2009	17:45	23:25
GOLDEN PRINCESS	06/19/2009	18:38	23:59
NORWEGIAN PEARL	06/20/2009	17:33	23:33
STAR PRINCESS	06/20/2009	16:43	0:05
WESTERDAM	06/20/2009	18:00	23:43
SEA PRINCESS	06/21/2009	5:37	14:12
PACIFIC PRINCESS	06/24/2009	14:59	23:38
CELEBRITY INFINITY	06/25/2009	13:41	21:54
RHAPSODY OF THE SEAS	06/25/2009	8:50	17:41
AMSTERDAM	06/26/2009	17:50	23:23
NORWEGIAN PEARL	06/27/2009	17:18	23:42
STAR PRINCESS	06/27/2009	16:52	23:58
WESTERDAM	06/27/2009	18:50	23:34

<b>VESSEL NAME</b>	<b>DATE</b>	<b>Arrival</b>	<b>Departure</b>
SEA PRINCESS	1/7/2009	5:36	14:09
CELEBRITY INFINITY	2/7/2009	13:30	22:05
RHAPSODY OF THE SEAS	2/7/2009	9:20	18:25
ZAANDAM	2/7/2009	19:30	23:50
AMSTERDAM	3/7/2009	17:35	23:17
GOLDEN PRINCESS	3/7/2009	18:28	23:48
NORWEGIAN PEARL	4/7/2009	17:40	23:59
STAR PRINCESS	4/7/2009	16:42	23:52
WESTERDAM	4/7/2009	16:10	0:12
SILVER SHADOW	5/7/2009	9:29	16:55
THE WORLD	7/7/2009	6:48	12:49
PACIFIC PRINCESS	8/7/2009	15:48	23:43
CELEBRITY INFINITY	9/7/2009	13:34	21:54
RHAPSODY OF THE SEAS	9/7/2009	8:34	17:51
ZAANDAM	9/7/2009	19:38	23:56
AMSTERDAM	10/7/2009	17:32	23:19
GOLDEN PRINCESS	10/7/2009	18:42	23:59
NORWEGIAN PEARL	11/7/2009	17:38	23:57
SEA PRINCESS	11/7/2009	5:39	14:06
STAR PRINCESS	11/7/2009	16:42	23:42
WESTERDAM	11/7/2009	18:05	0:05
CELEBRITY INFINITY	07/16/2009	13:36	21:56
RHAPSODY OF THE SEAS	07/16/2009	8:16	17:46
ZAANDAM	07/16/2009	19:15	23:50
AMSTERDAM	07/17/2009	17:57	23:46

---

<b>VESSEL NAME</b>	<b>DATE</b>	<b>Arrival</b>	<b>Departure</b>
GOLDEN PRINCESS	07/17/2009	18:48	23:58
SILVER SHADOW	07/17/2009	9:36	17:03
NORWEGIAN PEARL	07/18/2009	17:51	0:01
STAR PRINCESS	07/18/2009	16:42	23:56
WESTERDAM	07/18/2009	19:09	0:13
SEA PRINCESS	07/21/2009	5:58	13:56
PACIFIC PRINCESS	07/22/2009	14:26	23:34
CELEBRITY INFINITY	07/23/2009	13:36	22:00
RHAPSODY OF THE SEAS	07/23/2009	8:25	17:55
ZAANDAM	07/23/2009	18:48	23:38
AMSTERDAM	07/24/2009	17:55	23:21
GOLDEN PRINCESS	07/24/2009	18:32	23:48
NORWEGIAN PEARL	07/25/2009	17:48	23:52
STAR PRINCESS	07/25/2009	16:32	0:01
WESTERDAM	07/25/2009	18:15	23:39
HANSEATIC	07/27/2009	7:32	23:57
HANSEATIC	07/29/2009	7:17	14:01
SILVER SHADOW	07/29/2009	8:45	16:34
CELEBRITY INFINITY	07/30/2009	13:40	21:57
RHAPSODY OF THE SEAS	07/30/2009	8:39	17:54
AMSTERDAM	07/31/2009	17:26	23:20
GOLDEN PRINCESS	07/31/2009	18:26	23:48
SEA PRINCESS	07/31/2009	6:41	14:25

<b>VESSEL NAME</b>	<b>DATE</b>	<b>Arrival</b>	<b>Departure</b>
NORWEGIAN PEARL	1/8/2009	17:45	23:58
STAR PRINCESS	1/8/2009	16:40	23:50
WESTERDAM	1/8/2009	17:59	0:11
PACIFIC PRINCESS	5/8/2009	14:45	23:30
CELEBRITY INFINITY	6/8/2009	13:35	21:45
RHAPSODY OF THE SEAS	6/8/2009	8:35	18:56
ZAANDAM	6/8/2009	19:22	23:45
AMSTERDAM	7/8/2009	16:40	23:17
GOLDEN PRINCESS	7/8/2009	18:20	23:40
NORWEGIAN PEARL	8/8/2009	17:43	23:45
STAR PRINCESS	8/8/2009	16:35	23:49
WESTERDAM	8/8/2009	18:30	0:05
SEA PRINCESS	10/8/2009	6:20	14:10
SILVER SHADOW	10/8/2009	8:48	0:02
CELEBRITY INFINITY	08/13/2009	14:04	21:50
RHAPSODY OF THE SEAS	08/13/2009	8:30	17:47

<b>VESSEL NAME</b>	<b>DATE</b>	<b>Arrival</b>	<b>Departure</b>
ZAANDAM	08/13/2009	18:34	23:33
AMSTERDAM	08/14/2009	17:53	23:13
NORWEGIAN PEARL	08/15/2009	17:50	23:42
STAR PRINCESS	08/15/2009	16:40	23:52
WESTERDAM	08/15/2009	18:28	0:04
PACIFIC PRINCESS	08/19/2009	11:30	23:30
CELEBRITY INFINITY	08/20/2009	14:49	22:00
RHAPSODY OF THE SEAS	08/20/2009	8:40	17:42
SEA PRINCESS	08/20/2009	6:40	14:13
AMSTERDAM	08/21/2009	17:35	23:19
GOLDEN PRINCESS	08/21/2009	18:30	23:53
NORWEGIAN PEARL	08/22/2009	17:40	23:40
STAR PRINCESS	08/22/2009	16:40	23:50
WESTERDAM	08/22/2009	19:36	0:05

### Other Marine Vessels

<b>Vessel Name</b>	<b>Type</b>	<b>Arrival</b>	<b>Departure</b>
Pac Alnath	Freighter	6/8/2009 13:00	6/10/2009 12:00
Archimedes	Super Yacht	6/9/2009 13:00	6/10/2009 6:00
Joides Resolution	Scientific Research Vessel	7/5/2009 7:00	7/10/2009 7:00
Viking Vision	Scientific Research Vessel	7/12/2009 7:00	7/15/2009 23:59
Lodbrog	Fishing Vessel	8/19/2009 22:30	8/20/2009 12:30

---

## Appendix II. Data from May 29th, 2009

MAML raw data are measured in parts per billion (ppb). The following factors were used to convert values to micrograms per cubic metre ( $\mu\text{g}/\text{m}^3$ ):

SO <sub>2</sub>	Divide level in ppb by 0.37584801 → level in $\mu\text{g}/\text{m}^3$
NO	Divide level in ppb by 0.80167390 → level in $\mu\text{g}/\text{m}^3$
NO <sub>2</sub>	Divide level in ppb by 0.52236779 → level in $\mu\text{g}/\text{m}^3$
CO	Divide level in ppb by 0.00085883 → level in $\mu\text{g}/\text{m}^3$

**Appendix III. Data from May 29th, 2009**

Date	Time hours	NO ug/m <sup>3</sup>	NO <sub>2</sub> ug/m <sup>3</sup>	SO <sub>2</sub> ug/m <sup>3</sup>	PM <sub>10</sub> ug/m <sup>3</sup>	PM <sub>2.5</sub> ug/m <sup>3</sup>
05/29/09	0:00	0.1	65.5	0.6	8.5	7.3
05/29/09	1:00	0.1	55.9	0.6	7.7	6.7
05/29/09	2:00	0.1	27.9	0.6	8	7.1
05/29/09	3:00	0.1	30.4	0.6	6.4	5.7
05/29/09	4:00	0.1	28.5	0.6	6.5	5.6
05/29/09	5:00	16.1	43.8	0.6	8	6.1
05/29/09	6:00	18.5	44.4	0.6	8.1	6.5
05/29/09	7:00	4.3	32.9	1.4	13.5	6.2
05/29/09	8:00	0.1	27.4	2.2	6.1	4.8
05/29/09	9:00	0.1	10.1	2.7	6	4.7
05/29/09	10:00	316.7	7.1	57.0	8.6	5.3
05/29/09	11:00	324.8	0.0	263.5	8.7	6.3
05/29/09	12:00	311	0.0	221.4	11.8	7.4
05/29/09	13:00	214.6	1.3	147.5	12.4	6.6
05/29/09	14:00				11.6	5.8
05/29/09	15:00				12.2	6
05/29/09	16:00	1.1	3.3	1.1	10.3	5.5
05/29/09	17:00	4.9	10.7	8.6	5.7	3.3
05/29/09	18:00	0.3	4.2	1.7	5.2	3.4
05/29/09	19:00	0.3	3.1	2.2	4.9	3.6
05/29/09	20:00	0.1	1.1	1.4	5	3.8
05/29/09	21:00	0.1	3.8	1.9	4.9	3.9
05/29/09	22:00	0.1	0.6	1.7	4.3	3.5
05/29/09	23:00	0.1	0.6	1.4	4.1	3.4

## Appendix IV. MAML 1-hour data

### MAML 1-HOUR DATA – ug/m<sup>3</sup>

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
26-May-09	21:00	0.1	5.2	2	6	4
26-May-09	22:00	0.1	7.1	2	7	4
26-May-09	23:00	0.1	4.4	2	5	3
27-May-09	0:00	0.1	3.4	2	4	2
27-May-09	1:00	0.1	2.7	2	4	2
27-May-09	2:00	0.1	2.9	2	4	3
27-May-09	3:00	0.1	3.6	2	3	3
27-May-09	4:00	0.1	4.0	2	3	3
27-May-09	5:00	0.1	7.8	2	4	3
27-May-09	6:00	0.1	7.3	2	6	3
27-May-09	7:00	2.5	11.3	2	13	5
27-May-09	8:00	1.5	12.3	2	8	4
27-May-09	9:00	2.4	14.0	2	11	4
27-May-09	10:00	2.0	14.4	2	14	4
27-May-09	11:00	0.1	9.8	2	6	3
27-May-09	12:00	0.9	13.8	2	7	3
27-May-09	13:00	1.1	12.6	2	9	5
27-May-09	14:00	0.5	12.8	2	9	4
27-May-09	15:00	19.7	39.6	39	8	5
27-May-09	16:00	14.5	42.1	47	8	4
27-May-09	17:00			28	9	4
27-May-09	18:00	0.2	20.9	7	11	3
27-May-09	19:00	0.1	14.7		5	3
27-May-09	20:00	0.1	23.4	3	6	3
27-May-09	21:00	0.1	16.5	3	5	3
27-May-09	22:00	0.1	15.7	2	6	4
27-May-09	23:00	0.1	29.1	2	7	5
28-May-09	0:00	0.1	18.6	2	5	4
28-May-09	1:00	5.0	39.6	2	7	6
28-May-09	2:00	0.1	27.2	2	6	5
28-May-09	3:00	0.1	29.7	2	7	6
28-May-09	4:00	0.1	26.4	2	8	6
28-May-09	5:00	6.6	28.9	2	8	6
28-May-09	6:00	10.4	31.8	2	10	7
28-May-09	7:00	14.3	33.5	2	14	7
28-May-09	8:00	4.9	19.5	3	7	5
28-May-09	9:00	4.9	21.4	2	7	5
28-May-09	10:00	3.1	19.1	2	9	6
28-May-09	11:00	4.6	23.7	2	11	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
28-May-09	12:00	5.1	27.9	2	14	6
28-May-09	13:00	2.4	24.5	2	12	6
28-May-09	14:00	3.7	26.6	2	9	5
28-May-09	15:00	4.2	25.8	5	9	6
28-May-09	16:00			5	8	5
28-May-09	17:00	5.7	32.7	9	10	6
28-May-09	18:00	2.7	33.9		12	6
28-May-09	19:00	1.7	59.0	8	21	8
28-May-09	20:00	0.1	63.9	8	20	8
28-May-09	21:00	0.1	58.0	7	20	7
28-May-09	22:00	1.4	81.7	9	18	8
28-May-09	23:00	0.1	51.7	7	14	8
30-May-09	0:00	0.1	3.3	1	7	5
30-May-09	1:00	0.1	14.2	1	7	6
30-May-09	2:00	0.4	24.5	1	8	7
30-May-09	3:00	3.9	27.4	1	8	7
30-May-09	4:00	6.9	25.8	1	11	9
30-May-09	5:00	2.0	12.4	1	9	7
30-May-09	6:00	9.6	20.7	1	12	9
30-May-09	7:00	4.5	11.3	1	7	5
30-May-09	8:00	5.0	9.8	1	7	5
30-May-09	9:00	5.9	13.6	4	6	5
30-May-09	10:00	3.9	9.8	6	6	5
30-May-09	11:00	17.7	27.2	23	7	6
30-May-09	12:00	6.2	16.5	10	7	5
30-May-09	13:00	5.0	12.1	2	8	6
30-May-09	14:00	3.7	14.7	4	7	6
30-May-09	15:00	3.9	15.3	5	8	5
30-May-09	16:00	6.2	26.0	11	11	6
30-May-09	17:00	21.1	57.4	13	16	8
30-May-09	18:00	4.5	38.5	8	20	7
30-May-09	19:00	1.4	36.6	1	12	7
30-May-09	20:00	1.0	32.5	1	9	7
30-May-09	21:00	6.2	49.6	1	12	9
30-May-09	22:00	28.3	47.9	3	16	12
30-May-09	23:00	0.9	30.4	1	18	14
31-May-09	0:00	18.2	47.9	2	19	14
31-May-09	1:00	21.7	46.1	2	22	18
31-May-09	2:00	4.6	41.4	1	21	18
31-May-09	3:00	4.7	38.9	1	17	15
31-May-09	4:00	19.1	41.5	1	15	13

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
31-May-09	5:00	17.7	43.6	4	12	10
31-May-09	6:00	21.6	42.3	6	15	12
31-May-09	7:00	24.2	41.2	11	17	15
31-May-09	8:00	18.3	32.2	11	12	9
31-May-09	9:00	24.7	32.9	11	11	8
31-May-09	10:00	26.7	34.5	19	10	8
31-May-09	11:00	18.8	31.0	26	9	6
31-May-09	12:00	13.5	28.7	26	8	5
31-May-09	13:00	8.7	25.1	15	7	5
31-May-09	14:00	3.7	14.9	6	11	5
31-May-09	15:00	4.9	18.4	6	7	5
31-May-09	16:00	2.5	14.7	5	9	6
31-May-09	17:00	1.7	13.4	2	11	7
31-May-09	18:00	0.9	10.9	1	15	7
31-May-09	19:00	0.4	16.1	1	14	7
31-May-09	20:00	0.9	30.6	1	14	8
31-May-09	21:00	0.1	12.8	1	8	6
31-May-09	22:00	0.1	7.3	1	7	6
31-May-09	23:00	0.1	11.9	1	8	7
1-Jun-09	0:00	0.4	31.8	1	11	8
1-Jun-09	1:00	0.1	16.1	1	9	7
1-Jun-09	2:00	0.1	12.1	1	10	8
1-Jun-09	3:00	2.7	19.3	1	10	8
1-Jun-09	4:00	4.7	31.2	1	11	9
1-Jun-09	5:00	14.2	29.3	1	13	10
1-Jun-09	6:00	20.7	37.1	1	19	10
1-Jun-09	7:00				12	7
1-Jun-09	8:00	7.9	23.2	3	9	6
1-Jun-09	9:00	10.6	25.8	6	11	7
1-Jun-09	10:00	8.5	20.9	8	11	6
1-Jun-09	11:00	6.4	20.7	16	10	7
1-Jun-09	12:00	6.9	24.9	18	12	6
1-Jun-09	13:00	6.2	22.2	13	14	6
1-Jun-09	14:00	3.1	16.7	5	12	7
1-Jun-09	15:00	2.0	16.3	4	18	9
1-Jun-09	16:00	1.4	15.5	4	39	6
1-Jun-09	17:00	1.7	22.2	4	18	8
1-Jun-09	18:00	0.2	16.3	3	32	9
1-Jun-09	19:00	1.4	32.7	2	48	8
1-Jun-09	20:00	0.2	20.5	1	25	9
1-Jun-09	21:00	0.1	40.4	1	20	10

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
1-Jun-09	22:00	1.6	36.9	0	20	10
1-Jun-09	23:00	0.1	18.8	0	18	9
2-Jun-09	0:00	1.1	40.6	0	15	13
2-Jun-09	1:00	2.5	51.7	1	19	19
2-Jun-09	2:00	0.1	30.4	0	26	20
2-Jun-09	3:00	0.1	15.7	0	27	12
2-Jun-09	4:00	1.4	26.6	0	15	17
2-Jun-09	5:00	9.1	36.4	1	23	21
2-Jun-09	6:00				36	22
2-Jun-09	7:00	17.0	36.0	3	40	19
2-Jun-09	8:00	12.3	26.4	4	43	12
2-Jun-09	9:00	14.3	28.1	3	22	12
2-Jun-09	10:00	13.5	26.8	5	23	12
2-Jun-09	11:00	16.5	29.9	10	19	12
2-Jun-09	12:00	13.3	28.7	11	19	13
2-Jun-09	13:00	7.5	26.8	5	19	15
2-Jun-09	14:00	8.4	34.3	11	21	14
2-Jun-09	15:00	5.2	33.3	11	23	15
2-Jun-09	16:00	3.2	32.5	14	24	20
2-Jun-09	17:00	1.1	16.1	3	29	16
2-Jun-09	18:00	0.4	13.2	0	30	17
2-Jun-09	19:00	0.7	18.0	0	27	15
2-Jun-09	20:00	0.4	17.2	0	29	19
2-Jun-09	21:00	0.1	10.0	0	29	20
2-Jun-09	22:00	0.1	12.3	0	25	20
2-Jun-09	23:00	0.1	6.9	0	26	21
3-Jun-09	0:00	0.1	5.7	0	27	20
3-Jun-09	1:00	0.1	15.3	0	26	21
3-Jun-09	2:00	0.5	30.6	0	26	21
3-Jun-09	3:00	1.5	41.9	1	26	20
3-Jun-09	4:00	0.5	32.2	1	29	19
3-Jun-09	5:00				28	19
3-Jun-09	6:00	6.7	36.6	5	35	19
3-Jun-09	7:00	7.7	33.9	10	41	15
3-Jun-09	8:00	7.5	25.5	9	40	14
3-Jun-09	9:00	2.6	16.7	5	30	10
3-Jun-09	10:00	2.2	13.8	3	20	9
3-Jun-09	11:00	5.0	24.7	4	20	12
3-Jun-09	12:00	6.4	27.6	8	20	15
3-Jun-09	13:00	7.2	33.7	12	22	13
3-Jun-09	14:00	3.2	26.0	12	21	12

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
3-Jun-09	15:00	2.4	23.0	7	20	9
3-Jun-09	16:00	2.5	27.6	5	18	11
3-Jun-09	17:00	0.1	18.8	3	20	12
3-Jun-09	18:00	0.9	21.4	2	19	11
3-Jun-09	19:00	0.6	36.2	4	25	13
3-Jun-09	20:00	0.5	44.8	3	38	13
3-Jun-09	21:00	0.1	32.4	2	32	15
3-Jun-09	22:00	0.6	28.1	0	25	18
3-Jun-09	23:00	0.1	15.9	0	30	16
4-Jun-09	0:00	0.1	37.5	0	22	16
4-Jun-09	1:00	9.2	59.7	1	23	17
4-Jun-09	2:00	7.0	55.9	1	26	17
4-Jun-09	3:00	3.2	45.4	1	24	17
4-Jun-09	4:00				30	16
4-Jun-09	5:00	2.1	31.4	2	26	16
4-Jun-09	6:00	4.6	31.8	3	26	16
4-Jun-09	7:00	12.1	42.1	5	21	16
4-Jun-09	8:00	9.5	30.8	5	23	14
4-Jun-09	9:00	6.1	23.5	9	20	12
4-Jun-09	10:00	8.7	27.8	5	20	10
4-Jun-09	11:00	4.4	25.1	5	13	7
4-Jun-09	12:00	2.5	20.5	7	16	5
4-Jun-09	13:00	3.0	27.0	5	5	5
4-Jun-09	14:00	3.1	26.2	4	5	7
4-Jun-09	15:00	1.1	15.5	2	11	10
4-Jun-09	16:00	2.1	26.2	2	19	12
4-Jun-09	17:00	8.1	54.2	23	19	13
4-Jun-09	18:00	1.9	40.8	7	24	12
4-Jun-09	19:00	2.2	54.2	7	22	13
4-Jun-09	20:00	0.4	27.9	4	27	15
4-Jun-09	21:00	0.1	16.3	1	23	17
4-Jun-09	22:00	0.2	12.8	0	25	16
4-Jun-09	23:00	0.4	7.8	1	24	15
5-Jun-09	0:00	0.1	3.3	0	24	14
5-Jun-09	1:00	0.1	3.1	0	25	15
5-Jun-09	2:00	0.1	7.7	0	24	19
5-Jun-09	3:00				25	19
5-Jun-09	4:00	0.2	6.5	0	25	18
5-Jun-09	5:00	0.1	5.0	0	24	15
5-Jun-09	6:00	1.1	10.3	0	20	14
5-Jun-09	7:00	1.4	7.1	0	20	14

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5-Jun-09	8:00	1.9	8.6	0	19	11
5-Jun-09	9:00	2.0	10.3	0	17	10
5-Jun-09	10:00	1.4	5.9	0	15	10
5-Jun-09	11:00	5.6	14.5	8	15	11
5-Jun-09	12:00	4.5	11.5	6	15	13
5-Jun-09	13:00	0.9	4.4	0	18	14
5-Jun-09	14:00	1.9	7.8	0	19	14
5-Jun-09	15:00	1.4	5.7	0	19	11
5-Jun-09	16:00	5.6	14.5	5	18	12
5-Jun-09	17:00	219.4	65.3	322	19	16
5-Jun-09	18:00	321.5	78.5	448	21	14
5-Jun-09	19:00	92.3	55.1	164	17	12
5-Jun-09	20:00	6.6	19.1	25	15	14
5-Jun-09	21:00	0.5	6.7	0	19	13
5-Jun-09	22:00	2.6	12.4	2	18	14
5-Jun-09	23:00	2.0	10.3	5	17	13
6-Jun-09	0:00	0.1	2.1	0	16	12
6-Jun-09	1:00	0.2	2.1	2	15	13
6-Jun-09	2:00				17	13
6-Jun-09	3:00	0.4	5.9	2	17	13
6-Jun-09	4:00	0.5	18.0	4	16	14
6-Jun-09	5:00	0.7	19.5	5	17	14
6-Jun-09	6:00	0.9	11.7	5	17	15
6-Jun-09	7:00	0.6	10.3	3	19	17
6-Jun-09	8:00	3.0	16.5	3	22	15
6-Jun-09	9:00	3.0	15.5	3	20	15
6-Jun-09	10:00	3.5	14.9	3	21	17
6-Jun-09	11:00	2.5	10.0	4	27	20
6-Jun-09	12:00	2.7	11.5	6	35	22
6-Jun-09	13:00	3.5	11.9	8	39	17
6-Jun-09	14:00	1.6	7.3	4	28	14
6-Jun-09	15:00	2.1	11.5	4	24	15
6-Jun-09	16:00	7.4	25.8	14	27	16
6-Jun-09	17:00	6.4	25.7	4	25	17
6-Jun-09	18:00	2.5	13.8	2	22	15
6-Jun-09	19:00	0.1	15.3	2	18	14
6-Jun-09	20:00	8.2	45.2	12	17	15
6-Jun-09	21:00	26.1	49.4	46	18	16
6-Jun-09	22:00	23.0	48.2	65	19	16
6-Jun-09	23:00	2.5	28.9	16	19	16
7-Jun-09	0:00	0.5	3.1	6	19	13

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
7-Jun-09	1:00				14	13
7-Jun-09	2:00	0.1	1.3	2	15	12
7-Jun-09	3:00	0.2	1.5	2	13	11
7-Jun-09	4:00	0.1	4.2	2	12	11
7-Jun-09	5:00	0.2	6.3	2	13	11
7-Jun-09	6:00	0.7	8.0	2	14	12
7-Jun-09	7:00	2.1	12.3	4	14	12
7-Jun-09	8:00	1.5	10.1	3	14	12
7-Jun-09	9:00	5.6	14.2	4	14	12
7-Jun-09	10:00	7.1	15.9	9	18	12
7-Jun-09	11:00	6.0	12.8	7	19	12
7-Jun-09	12:00	3.4	7.8	5	19	12
7-Jun-09	13:00	2.7	9.8	5	26	13
7-Jun-09	14:00	5.7	14.0	6	24	12
7-Jun-09	15:00	1.1	3.8	2	17	12
7-Jun-09	16:00	0.9	3.6	1	19	12
7-Jun-09	17:00	1.7	5.9	1	17	11
7-Jun-09	18:00	2.1	10.3	1	15	10
7-Jun-09	19:00	0.7	2.3	1	14	9
7-Jun-09	20:00	0.2	1.7	1	11	8
7-Jun-09	21:00	0.2	1.9	1	10	7
7-Jun-09	22:00	0.1	1.5	1	9	7
7-Jun-09	23:00				9	7
8-Jun-09	0:00	0.2	3.8	3	9	8
8-Jun-09	1:00	0.2	2.1	2	9	7
8-Jun-09	2:00	0.2	4.2	2	8	8
8-Jun-09	3:00	0.1	1.7	2	9	8
8-Jun-09	4:00	0.1	3.3	2	9	8
8-Jun-09	5:00	0.2	3.8	2	9	10
8-Jun-09	6:00	1.6	8.6	2	11	11
8-Jun-09	7:00	1.0	4.4	2	14	11
8-Jun-09	8:00	1.7	11.3	0	14	12
8-Jun-09	9:00	2.5	11.3	1	16	10
8-Jun-09	10:00	3.5	12.1	2	18	11
8-Jun-09	11:00	1.4	4.8	2	15	11
8-Jun-09	12:00	1.5	7.7	2	14	12
8-Jun-09	13:00	2.4	7.1	2	16	13
8-Jun-09	14:00	2.1	6.7	2	18	13
8-Jun-09	15:00	1.1	5.7	2	20	14
8-Jun-09	16:00	2.4	11.1	3	22	14
8-Jun-09	17:00	2.2	8.8	2	24	13

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
8-Jun-09	18:00	0.9	5.6	1	25	12
8-Jun-09	19:00	0.1	9.2	2	28	10
8-Jun-09	20:00	0.7	4.8	4	22	8
8-Jun-09	21:00	0.7	5.4	6	11	7
8-Jun-09	22:00				9	7
8-Jun-09	23:00	5.1	19.0	40	9	8
9-Jun-09	0:00	17.7	31.8	93	9	8
9-Jun-09	1:00	9.5	34.6	85	10	8
9-Jun-09	2:00	6.5	15.1	51	10	8
9-Jun-09	3:00	0.4	11.3	14	9	8
9-Jun-09	4:00	2.9	6.7	4	9	8
9-Jun-09	5:00	10.9	29.1	6	10	11
9-Jun-09	6:00	21.1	33.5	19	13	12
9-Jun-09	7:00	22.8	36.2	28	17	13
9-Jun-09	8:00	21.6	30.2	48	25	12
9-Jun-09	9:00	16.6	18.6	11	22	10
9-Jun-09	10:00	14.0	23.4	20	14	9
9-Jun-09	11:00	12.6	17.8	10	12	9
9-Jun-09	12:00	7.6	12.8	9	12	9
9-Jun-09	13:00	4.7	11.1	5	12	10
9-Jun-09	14:00	5.7	11.1	5	18	10
9-Jun-09	15:00	2.0	5.2	4	16	10
9-Jun-09	16:00	1.5	4.6	5	19	9
9-Jun-09	17:00	1.1	3.6	3	15	10
9-Jun-09	18:00	1.4	7.3	7	16	11
9-Jun-09	19:00	2.4	18.0	13	19	10
9-Jun-09	20:00	6.1	29.7	56	17	10
9-Jun-09	21:00				14	10
9-Jun-09	22:00	6.1	25.1	69	14	10
9-Jun-09	23:00	7.4	27.6	80	14	11
10-Jun-09	0:00	2.2	10.5	37	14	11
10-Jun-09	1:00	12.5	33.9	101	15	11
10-Jun-09	2:00	14.2	37.7	124	14	11
10-Jun-09	3:00	17.7	40.6	145	13	10
10-Jun-09	4:00	17.2	40.4	134	12	11
10-Jun-09	5:00	20.5	42.9	128	13	12
10-Jun-09	6:00	39.8	45.9	181	14	13
10-Jun-09	7:00	30.8	37.1	111	16	19
10-Jun-09	8:00	27.7	35.8	83	61	14
10-Jun-09	9:00	24.7	34.3	114	24	12
10-Jun-09	10:00	10.5	21.8	16	19	10

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
10-Jun-09	11:00	18.1	31.0	57	19	6
10-Jun-09	12:00	4.1	11.1	8	8	6
10-Jun-09	13:00	17.1	24.9	37	8	5
10-Jun-09	14:00	44.0	39.2	89	7	6
10-Jun-09	15:00	94.8	59.3	186	9	7
10-Jun-09	16:00	128.9	61.6	217	10	8
10-Jun-09	17:00	170.4	72.7	278	10	8
10-Jun-09	18:00	61.9	48.4	135	12	8
10-Jun-09	19:00	133.7	67.4	216	10	8
10-Jun-09	20:00				9	8
10-Jun-09	21:00	67.5	46.9	136	9	7
10-Jun-09	22:00	155.2	66.8	258	9	10
10-Jun-09	23:00	2.5	9.6	14	10	6
11-Jun-09	0:00	4.2	9.6	14	6	5
11-Jun-09	1:00	0.2	1.7	4	5	4
11-Jun-09	2:00	0.1	1.3	3	5	3
11-Jun-09	3:00	0.5	6.5	3	4	5
11-Jun-09	4:00	2.4	10.3	9	5	5
11-Jun-09	5:00	3.9	15.5	13	5	5
11-Jun-09	6:00	3.0	14.2	4	5	5
11-Jun-09	7:00	20.0	26.2	32	6	6
11-Jun-09	8:00	19.1	28.9	36	9	6
11-Jun-09	9:00	36.2	37.9	101	8	6
11-Jun-09	10:00	15.6	25.5	42	7	6
11-Jun-09	11:00	5.5	12.3	13	7	5
11-Jun-09	12:00	29.3	38.9	90	7	6
11-Jun-09	13:00	22.7	31.8	61	7	7
11-Jun-09	14:00	9.7	26.4	5	8	6
11-Jun-09	15:00	4.0	13.0	2	8	7
11-Jun-09	16:00	2.4	11.3	3	10	7
11-Jun-09	17:00	106.8	63.0	177	10	9
11-Jun-09	18:00	164.9	75.2	289	11	11
11-Jun-09	19:00				13	9
11-Jun-09	20:00	164.0	70.6	278	11	10
11-Jun-09	21:00	37.2	54.9	85	10	10
11-Jun-09	22:00	8.5	17.2	16	11	8
11-Jun-09	23:00	1.0	8.8	9	9	8
12-Jun-09	0:00	0.5	4.4	3	8	7
12-Jun-09	1:00	0.1	2.9	3	8	8
12-Jun-09	2:00	0.2	5.6	3	9	9
12-Jun-09	3:00	0.2	3.3	3	10	8

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
12-Jun-09	4:00	0.2	2.9	2	9	7
12-Jun-09	5:00	0.6	5.9	3	8	6
12-Jun-09	6:00	1.1	6.1	3	7	6
12-Jun-09	7:00	2.1	7.7	3	7	6
12-Jun-09	8:00	2.4	6.1	3	8	6
12-Jun-09	9:00	3.5	11.9	3	7	5
12-Jun-09	10:00	6.2	13.0	3	7	3
12-Jun-09	11:00	3.0	8.2	3	4	3
12-Jun-09	12:00	2.6	7.8	2	4	3
12-Jun-09	13:00	3.2	8.6	2	3	3
12-Jun-09	14:00	3.2	8.2	2	3	3
12-Jun-09	15:00	2.6	7.7	2	4	5
12-Jun-09	16:00	4.1	10.3	3	8	7
12-Jun-09	17:00	9.5	19.3	13	10	8
12-Jun-09	18:00				10	8
12-Jun-09	19:00	166.5	58.6	214	10	8
12-Jun-09	20:00	48.8	40.6	77	9	7
12-Jun-09	21:00	140.1	54.8	176	9	7
12-Jun-09	22:00	91.2	45.8	139	9	8
12-Jun-09	23:00	7.6	14.4	16	9	7
13-Jun-09	0:00	0.2	2.3	4	8	9
13-Jun-09	1:00	0.1	1.7	4	10	6
13-Jun-09	2:00	0.1	2.5	3	7	5
13-Jun-09	3:00	0.4	3.8	3	5	5
13-Jun-09	4:00	1.0	11.1	3	5	4
13-Jun-09	5:00	4.2	12.1	3	5	4
13-Jun-09	6:00	0.1	2.7	3	5	4
13-Jun-09	7:00	1.6	3.4	3	4	3
13-Jun-09	8:00	3.0	6.5	3	4	3
13-Jun-09	9:00	4.7	10.1	3	4	2
13-Jun-09	10:00	1.9	4.8	3	3	2
13-Jun-09	11:00	2.4	6.9	3	2	2
13-Jun-09	12:00	2.0	5.4	3	2	2
13-Jun-09	13:00	1.9	5.0	3	2	2
13-Jun-09	14:00	2.5	6.5	3	2	2
13-Jun-09	15:00	92.2	39.2	142	3	6
13-Jun-09	16:00	299.5	74.1	448	9	11
13-Jun-09	17:00				15	8
13-Jun-09	18:00	212.1	67.8	300	11	6
13-Jun-09	19:00	150.1	65.1	232	9	7
13-Jun-09	20:00	227.3	71.8	305	8	8

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
13-Jun-09	21:00	268.6	68.9	351	9	6
13-Jun-09	22:00	162.0	61.5	248	7	6
13-Jun-09	23:00	119.3	36.6	208	7	6
14-Jun-09	0:00	0.1	0.4	7	6	4
14-Jun-09	1:00	0.1	1.0	5	4	5
14-Jun-09	2:00	0.1	1.1	5	5	6
14-Jun-09	3:00	0.2	1.7	4	6	5
14-Jun-09	4:00	0.2	1.7	4	6	6
14-Jun-09	5:00	0.2	1.7	4	6	6
14-Jun-09	6:00	0.7	2.7	4	7	6
14-Jun-09	7:00	0.6	2.5	4	7	6
14-Jun-09	8:00	1.7	5.2	4	7	7
14-Jun-09	9:00	2.4	6.3	4	8	6
14-Jun-09	10:00	2.1	4.8	4	8	6
14-Jun-09	11:00	1.6	4.6	4	7	5
14-Jun-09	12:00	1.9	6.9	4	7	3
14-Jun-09	13:00	1.9	6.1	3	3	3
14-Jun-09	14:00	3.0	6.5	3	3	3
14-Jun-09	15:00	1.0	3.4	3	4	4
14-Jun-09	16:00				5	5
14-Jun-09	17:00	1.5	6.3	3	7	5
14-Jun-09	18:00	0.6	2.9	4	7	4
14-Jun-09	19:00	0.5	2.7	4	5	4
14-Jun-09	20:00	0.4	1.7	3	5	4
14-Jun-09	21:00	0.4	1.9	3	4	3
14-Jun-09	22:00	0.4	1.9	3	4	3
14-Jun-09	23:00	0.4	2.3	3	4	3
15-Jun-09	0:00	0.2	1.9	2	3	4
15-Jun-09	1:00	0.2	2.3	2	5	4
15-Jun-09	2:00	0.2	2.1	2	4	3
15-Jun-09	3:00	0.2	1.1	2	3	3
15-Jun-09	4:00	0.4	3.6	2	4	3
15-Jun-09	5:00	0.4	3.1	2	4	3
15-Jun-09	6:00	1.1	4.4	1	3	3
15-Jun-09	7:00	1.9	4.4	2	3	3
15-Jun-09	8:00	3.4	7.8	2	4	2
15-Jun-09	9:00	3.0	9.8	2	3	2
15-Jun-09	10:00	2.2	5.2	2	4	2
15-Jun-09	11:00	1.7	5.7	2	3	1
15-Jun-09	12:00	3.6	6.7	1	1	1
15-Jun-09	13:00	2.4	5.4	1	1	1

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
15-Jun-09	14:00	2.1	4.8	1	1	1
15-Jun-09	15:00				2	1
15-Jun-09	16:00	1.5	4.0	1	3	4
15-Jun-09	17:00	1.7	3.1	1	12	4
15-Jun-09	18:00	1.1	4.2	1	13	4
15-Jun-09	19:00	4.2	7.1	7	12	4
15-Jun-09	20:00	24.2	24.1	65	13	3
15-Jun-09	21:00	3.1	8.8	12	5	2
15-Jun-09	22:00	0.9	3.4	2	3	2
15-Jun-09	23:00	2.0	4.6	4	2	1
16-Jun-09	0:00	0.4	1.7	3	2	2
16-Jun-09	1:00	0.5	3.1	3	2	1
16-Jun-09	2:00	0.2	1.9	4	2	2
16-Jun-09	3:00	0.2	1.3	3	2	2
16-Jun-09	4:00	0.5	5.0	3	2	3
16-Jun-09	5:00	1.6	8.0	3	3	3
16-Jun-09	6:00	4.5	8.8	3	3	3
16-Jun-09	7:00	9.4	14.4	4	3	4
16-Jun-09	8:00	3.5	5.6	3	7	4
16-Jun-09	9:00	2.6	4.6	3	5	5
16-Jun-09	10:00	9.4	15.3	4	7	5
16-Jun-09	11:00	3.0	5.4	4	8	3
16-Jun-09	12:00	2.5	6.9	3	5	4
16-Jun-09	13:00	4.6	10.1	3	5	4
16-Jun-09	14:00				7	5
16-Jun-09	15:00	1.0	5.2	1	9	7
16-Jun-09	16:00	1.5	6.1	1	14	8
16-Jun-09	17:00	1.7	7.8	1	12	7
16-Jun-09	18:00	1.5	5.0	3	12	6
16-Jun-09	19:00	2.0	9.6	3	9	5
16-Jun-09	20:00	1.1	5.0	3	7	4
16-Jun-09	21:00	1.0	6.1	3	5	4
16-Jun-09	22:00	0.7	2.5	3	5	3
16-Jun-09	23:00	0.4	0.8	3	4	3
17-Jun-09	0:00	0.4	1.9	2	3	3
17-Jun-09	1:00	0.2	0.4	1	3	2
17-Jun-09	2:00	0.2	0.4	1	3	3
17-Jun-09	3:00	0.5	8.8	1	4	4
17-Jun-09	4:00	1.0	6.7	1	5	2
17-Jun-09	5:00	1.1	4.4	1	2	3
17-Jun-09	6:00	5.0	13.4	1	3	3

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
17-Jun-09	7:00	12.3	14.4	16	3	2
17-Jun-09	8:00	6.9	13.8	2	2	5
17-Jun-09	9:00	5.6	13.2	2	9	3
17-Jun-09	10:00	23.1	23.0	31	6	2
17-Jun-09	11:00	32.3	22.2	60	4	2
17-Jun-09	12:00	3.9	5.7	3	4	4
17-Jun-09	13:00				7	3
17-Jun-09	14:00	2.4	5.2	1	5	2
17-Jun-09	15:00	142.6	38.1	219	5	3
17-Jun-09	16:00	186.6	48.6	288	6	2
17-Jun-09	17:00				4	2
17-Jun-09	18:00				3	1
17-Jun-09	19:00				2	1
17-Jun-09	20:00				1	1
17-Jun-09	21:00				2	1
17-Jun-09	22:00				1	2
17-Jun-09	23:00				2	1
18-Jun-09	0:00				1	0
18-Jun-09	1:00				1	2
18-Jun-09	2:00				2	2
18-Jun-09	3:00				2	1
18-Jun-09	4:00				1	2
18-Jun-09	5:00				2	3
18-Jun-09	6:00				3	1
18-Jun-09	7:00				2	1
18-Jun-09	8:00				2	2
18-Jun-09	9:00				3	3
18-Jun-09	10:00				5	5
18-Jun-09	11:00				8	4
18-Jun-09	12:00				8	3
18-Jun-09	13:00	3.1	11.1	5	6	4
18-Jun-09	14:00	3.9	13.6	5	6	3
18-Jun-09	15:00	2.2	9.6	5	6	3
18-Jun-09	16:00	16.0	18.0	21	9	4
18-Jun-09	17:00	4.0	17.2	7	7	4
18-Jun-09	18:00	7.5	20.3	19	8	4
18-Jun-09	19:00	70.7	46.1	132	6	6
18-Jun-09	20:00	0.9	11.7	11	8	3
18-Jun-09	21:00	3.2	26.0	6	4	4
18-Jun-09	22:00	4.4	22.0	11	5	3
18-Jun-09	23:00	0.1	7.1	8	5	3

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
19-Jun-09	0:00	0.1	0.6	5	3	2
19-Jun-09	1:00	0.1	1.5	4	3	4
19-Jun-09	2:00	0.1	1.1	4	6	4
19-Jun-09	3:00	0.2	17.8	9	6	4
19-Jun-09	4:00	0.1	8.0	5	5	4
19-Jun-09	5:00	2.2	16.5	6	5	4
19-Jun-09	6:00	4.2	20.1	6	5	4
19-Jun-09	7:00	8.0	16.8	6	5	4
19-Jun-09	8:00	10.7	17.4	6	4	4
19-Jun-09	9:00	8.9	15.3	5	6	4
19-Jun-09	10:00	4.6	10.9	5	6	2
19-Jun-09	11:00				5	1
19-Jun-09	12:00	1.4	7.3	4	2	2
19-Jun-09	13:00	2.5	9.0	4	3	2
19-Jun-09	14:00	0.7	4.2	4	4	1
19-Jun-09	15:00	0.1	5.6	4	3	1
19-Jun-09	16:00	58.4	24.7	84	3	4
19-Jun-09	17:00	219.0	64.7	274	6	10
19-Jun-09	18:00	223.4	63.9	247	12	9
19-Jun-09	19:00	207.3	67.6	258	13	9
19-Jun-09	20:00	128.5	57.2	184	13	9
19-Jun-09	21:00	73.8	46.1	107	12	8
19-Jun-09	22:00	201.8	71.2	252	11	12
19-Jun-09	23:00	75.2	23.9	96	15	8
20-Jun-09	0:00	0.1	6.9	8	10	7
20-Jun-09	1:00	0.1	3.4	6	9	6
20-Jun-09	2:00	0.1	2.7	5	8	5
20-Jun-09	3:00	0.1	3.4	5	7	5
20-Jun-09	4:00	0.1	3.3	5	7	4
20-Jun-09	5:00	0.7	6.3	5	6	4
20-Jun-09	6:00	0.7	6.7	4	6	4
20-Jun-09	7:00	1.0	5.9	4	6	4
20-Jun-09	8:00	2.5	7.8	4	6	4
20-Jun-09	9:00	5.6	10.5	4	6	4
20-Jun-09	10:00				7	5
20-Jun-09	11:00	0.7	6.9	4	9	4
20-Jun-09	12:00	4.5	12.3	4	6	4
20-Jun-09	13:00	1.7	7.7	4	9	3
20-Jun-09	14:00	2.6	7.8	4	5	3
20-Jun-09	15:00	10.1	18.6	13	5	3
20-Jun-09	16:00	68.1	37.1	77	7	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
20-Jun-09	17:00	239.7	65.9	268	7	5
20-Jun-09	18:00	58.9	42.3	81	7	4
20-Jun-09	19:00	14.5	17.2	23	6	4
20-Jun-09	20:00	23.5	28.1	43	6	4
20-Jun-09	21:00	11.9	22.8	25	5	4
20-Jun-09	22:00	21.1	25.8	41	5	5
20-Jun-09	23:00	11.7	16.7	25	7	5
21-Jun-09	0:00	0.1	4.6	6	7	5
21-Jun-09	1:00	0.1	3.1	5	7	6
21-Jun-09	2:00	0.1	3.8	5	7	6
21-Jun-09	3:00	0.1	2.1	4	8	5
21-Jun-09	4:00	0.4	9.6	5	7	5
21-Jun-09	5:00	6.6	16.3	12	7	5
21-Jun-09	6:00	0.5	7.1	7	7	4
21-Jun-09	7:00	5.6	19.7	17	7	4
21-Jun-09	8:00	1.4	6.5	6	8	4
21-Jun-09	9:00				7	5
21-Jun-09	10:00	10.0	17.0	20	8	4
21-Jun-09	11:00	4.4	8.2	12	6	3
21-Jun-09	12:00	29.4	15.5	49	7	5
21-Jun-09	13:00	28.9	19.1	56	8	3
21-Jun-09	14:00	1.0	3.3	4	6	2
21-Jun-09	15:00	0.5	2.7	3	5	3
21-Jun-09	16:00	0.9	3.6	3	6	3
21-Jun-09	17:00	0.2	2.1	3	6	3
21-Jun-09	18:00	0.4	2.7	3	6	3
21-Jun-09	19:00	0.1	1.1	3	5	4
21-Jun-09	20:00	0.1	2.1	3	7	6
21-Jun-09	21:00	0.1	1.7	3	10	6
21-Jun-09	22:00	0.1	2.3	3	9	6
21-Jun-09	23:00	0.1	3.1	4	9	7
22-Jun-09	0:00	0.1	2.9	4	9	7
22-Jun-09	1:00	0.1	0.8	3	9	6
22-Jun-09	2:00	0.1	0.4	3	8	5
22-Jun-09	3:00	0.1	0.6	3	7	5
22-Jun-09	4:00	0.1	0.6	3	6	5
22-Jun-09	5:00	0.1	2.1	3	6	5
22-Jun-09	6:00	0.2	3.1	3	7	4
22-Jun-09	7:00	1.4	6.1	3	6	6
22-Jun-09	8:00				9	6
22-Jun-09	9:00	1.9	5.7	3	9	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
22-Jun-09	10:00	0.6	3.6	3	7	3
22-Jun-09	11:00	1.0	4.4	3	6	3
22-Jun-09	12:00	0.4	2.9	3	6	3
22-Jun-09	13:00	1.6	5.9	3	7	3
22-Jun-09	14:00	2.2	7.1	3	7	3
22-Jun-09	15:00	1.0	4.6	3	8	3
22-Jun-09	16:00	0.6	3.3	3	10	3
22-Jun-09	17:00	0.4	3.4	3	7	3
22-Jun-09	18:00	0.9	6.3	3	7	3
22-Jun-09	19:00	0.1	7.1	3	8	4
22-Jun-09	20:00	0.1	7.7	3	8	5
22-Jun-09	21:00	0.1	5.2	3	10	6
22-Jun-09	22:00	0.1	6.3	3	8	6
22-Jun-09	23:00	0.1	8.4	3	7	6
23-Jun-09	0:00	0.1	2.5	3	8	6
23-Jun-09	1:00	0.1	2.1	3	8	6
23-Jun-09	2:00	0.1	1.3	3	7	6
23-Jun-09	3:00	0.1	3.4	3	7	7
23-Jun-09	4:00	0.1	8.0	2	8	6
23-Jun-09	5:00	2.2	14.5	3	8	7
23-Jun-09	6:00	5.5	16.1	3	8	7
23-Jun-09	7:00				10	8
23-Jun-09	8:00	2.1	6.5	3	12	8
23-Jun-09	9:00	3.2	8.6	6	10	8
23-Jun-09	10:00	11.5	19.5	7	11	9
23-Jun-09	11:00	7.9	16.1	9	13	8
23-Jun-09	12:00	3.5	11.1	14	11	7
23-Jun-09	13:00	5.9	14.5	7	9	7
23-Jun-09	14:00	4.9	11.1	3	12	6
23-Jun-09	15:00	9.0	20.7	3	9	6
23-Jun-09	16:00	7.1	20.5	3	12	6
23-Jun-09	17:00	0.9	7.8	3	9	5
23-Jun-09	18:00	0.1	10.1	3	12	6
23-Jun-09	19:00	3.0	28.9	9	16	6
23-Jun-09	20:00	0.1	7.7	3	11	5
23-Jun-09	21:00	0.1	11.5	3	7	5
23-Jun-09	22:00	0.1	8.4	3	7	5
23-Jun-09	23:00	0.1	3.6	3	6	6
24-Jun-09	0:00	0.1	6.7	3	9	6
24-Jun-09	1:00	0.1	10.9	3	9	7
24-Jun-09	2:00	0.1	11.3	3	10	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
24-Jun-09	3:00	0.1	15.1	3	10	7
24-Jun-09	4:00	0.1	17.0	4	9	6
24-Jun-09	5:00	1.6	23.7	4	8	7
24-Jun-09	6:00				10	8
24-Jun-09	7:00	11.1	34.3	4	12	8
24-Jun-09	8:00	2.4	15.5	4	15	7
24-Jun-09	9:00	6.4	22.2	4	9	9
24-Jun-09	10:00	9.9	23.5	4	12	8
24-Jun-09	11:00	6.4	17.4	3	11	8
24-Jun-09	12:00	8.4	20.1	4	11	8
24-Jun-09	13:00	10.4	20.9	5	10	7
24-Jun-09	14:00	9.1	22.4	7	10	8
24-Jun-09	15:00	8.6	22.2	7	11	9
24-Jun-09	16:00	10.6	17.6	23	12	6
24-Jun-09	17:00	5.4	7.1	17	8	4
24-Jun-09	18:00	3.6	7.3	9	6	3
24-Jun-09	19:00	0.1	2.1	4	4	2
24-Jun-09	20:00	0.1	1.5	2	3	2
24-Jun-09	21:00	0.1	2.9	3	2	2
24-Jun-09	22:00	2.9	12.6	13	3	2
24-Jun-09	23:00	0.1	3.8	3	3	2
25-Jun-09	0:00	0.1	12.8	5	3	4
25-Jun-09	1:00	0.1	5.6	4	4	3
25-Jun-09	2:00	0.1	0.8	2	4	2
25-Jun-09	3:00	0.1	1.3	2	2	2
25-Jun-09	4:00	0.1	4.0	2	3	2
25-Jun-09	5:00				3	2
25-Jun-09	6:00	3.6	20.7	7	3	2
25-Jun-09	7:00	2.6	12.4	6	2	3
25-Jun-09	8:00	2.1	12.8	4	4	3
25-Jun-09	9:00	4.7	11.3	3	7	5
25-Jun-09	10:00	34.4	20.9	42	8	6
25-Jun-09	11:00	67.7	32.0	84	8	5
25-Jun-09	12:00	134.2	45.0	162	6	4
25-Jun-09	13:00	122.5	45.8	157	12	6
25-Jun-09	14:00	151.6	50.2	188	9	6
25-Jun-09	15:00	180.5	57.4	210	14	9
25-Jun-09	16:00	148.6	50.9	171	15	10
25-Jun-09	17:00	5.5	13.0	7	11	8
25-Jun-09	18:00	18.1	36.4	32	12	9
25-Jun-09	19:00	3.2	13.6	12	12	9

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
25-Jun-09	20:00	0.5	6.5	4	12	9
25-Jun-09	21:00	0.6	5.7	5	12	9
25-Jun-09	22:00	0.1	1.9	3	12	9
25-Jun-09	23:00	0.1	4.6	5	12	9
26-Jun-09	0:00	0.1	3.3	4	13	9
26-Jun-09	1:00	0.1	6.5	4	15	11
26-Jun-09	2:00	0.1	6.1	4	16	12
26-Jun-09	3:00	0.1	4.6	2	15	11
26-Jun-09	4:00				14	10
26-Jun-09	5:00	3.7	20.5	2	15	11
26-Jun-09	6:00	2.1	10.9	2	16	10
26-Jun-09	7:00	3.2	9.4	2	17	10
26-Jun-09	8:00	5.2	8.6	4	10	7
26-Jun-09	9:00	4.6	9.4	5	8	6
26-Jun-09	10:00	2.7	7.1	4	14	5
26-Jun-09	11:00	1.4	5.0	3	3	2
26-Jun-09	12:00	3.0	6.1	5	3	3
26-Jun-09	13:00	1.9	5.7	3	5	3
26-Jun-09	14:00	2.5	7.1	4	7	5
26-Jun-09	15:00	2.1	7.7	5	16	9
26-Jun-09	16:00	4.4	10.5	4	19	12
26-Jun-09	17:00	4.4	10.0	4	19	10
26-Jun-09	18:00	3.0	10.3	2	18	12
26-Jun-09	19:00	1.1	9.4	2	16	10
26-Jun-09	20:00	0.5	8.0	2	12	7
26-Jun-09	21:00	2.6	20.3	6	11	7
26-Jun-09	22:00	2.6	11.1	7	9	6
26-Jun-09	23:00	0.0	2.7	3	7	5
27-Jun-09	0:00	0.0	1.9	2	6	5
27-Jun-09	1:00	0.0	2.7	2	7	6
27-Jun-09	2:00	0.0	3.1	2	7	6
27-Jun-09	3:00				7	5
27-Jun-09	4:00	0.0	5.2	2	6	5
27-Jun-09	5:00	2.6	12.3	2	6	5
27-Jun-09	6:00	0.7	4.0	2	6	5
27-Jun-09	7:00	3.4	9.0	3	7	5
27-Jun-09	8:00	8.5	16.1	5	10	5
27-Jun-09	9:00	11.1	20.7	9	12	5
27-Jun-09	10:00	4.4	11.7	5	12	6
27-Jun-09	11:00	7.1	15.3	6	10	4
27-Jun-09	12:00	3.0	8.8	4	12	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
27-Jun-09	13:00	1.6	6.5	2	10	5
27-Jun-09	14:00	1.1	4.6	2	9	5
27-Jun-09	15:00	1.7	5.4	3	15	7
27-Jun-09	16:00	24.6	22.6	27	13	7
27-Jun-09	17:00	39.4	32.7	51	10	5
27-Jun-09	18:00	4.2	12.8	12	10	4
27-Jun-09	19:00	2.4	21.8	6	4	3
27-Jun-09	20:00	28.8	24.7	28	1	1
27-Jun-09	21:00	0.7	12.6	3	1	1
27-Jun-09	22:00	5.2	20.3	10	2	1
27-Jun-09	23:00	7.0	29.9	14	1	1
28-Jun-09	0:00	0.0	15.9	5	1	1
28-Jun-09	1:00	0.0	1.7	3	4	4
28-Jun-09	2:00				4	4
28-Jun-09	3:00	0.0	1.9	2	8	7
28-Jun-09	4:00	0.0	2.9	2	10	9
28-Jun-09	5:00	0.5	4.6	2	10	8
28-Jun-09	6:00	0.4	3.1	2	10	8
28-Jun-09	7:00	0.5	2.9	2	10	8
28-Jun-09	8:00	1.1	4.2	2	12	10
28-Jun-09	9:00	2.5	7.7	4	13	9
28-Jun-09	10:00	3.2	8.0	2	11	7
28-Jun-09	11:00	1.1	4.6	2	6	4
28-Jun-09	12:00	2.0	6.5	2	3	2
28-Jun-09	13:00	3.0	8.8	2	4	2
28-Jun-09	14:00	1.4	5.0	2	3	2
28-Jun-09	15:00	1.1	5.6	2	13	3
28-Jun-09	16:00	0.6	4.6	2	17	5
28-Jun-09	17:00	0.5	4.0	2	8	5
28-Jun-09	18:00	0.9	4.8	2	8	6
28-Jun-09	19:00	0.1	4.4	2	10	7
28-Jun-09	20:00	0.0	2.9	2	11	8
28-Jun-09	21:00	0.0	3.3	2	11	8
28-Jun-09	22:00	0.0	4.4	2	11	8
28-Jun-09	23:00	0.0	5.2	2	12	8
29-Jun-09	0:00	0.0	7.7	2	11	8
29-Jun-09	1:00				11	8
29-Jun-09	2:00	0.0	9.4	2	10	7
29-Jun-09	3:00	0.2	12.6	2	10	8
29-Jun-09	4:00	6.4	20.1	1	9	7
29-Jun-09	5:00	9.2	17.4	2	9	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
29-Jun-09	6:00	9.2	17.6	2	9	7
29-Jun-09	7:00	5.6	10.5	2	9	6
29-Jun-09	8:00	2.9	6.7	2	9	6
29-Jun-09	9:00	4.7	11.1	3	10	6
29-Jun-09	10:00	5.5	11.9	7	11	6
29-Jun-09	11:00	3.6	8.8	4	13	7
29-Jun-09	12:00	2.7	6.9	3	11	8
29-Jun-09	13:00	3.2	7.5	4	13	9
29-Jun-09	14:00	1.7	5.7	3	16	11
29-Jun-09	15:00	1.4	4.8	3	15	9
29-Jun-09	16:00			2	16	8
29-Jun-09	17:00	1.6	10.1	1	16	6
29-Jun-09	18:00	1.7	13.4	2	7	3
29-Jun-09	19:00	1.1	11.1	2	7	4
29-Jun-09	20:00	0.0	6.1	1	9	6
29-Jun-09	21:00	0.1	6.7	2	11	7
29-Jun-09	22:00	0.0	5.0	1	10	7
29-Jun-09	23:00				12	9
30-Jun-09	0:00	0.0	7.8	1	11	9
30-Jun-09	1:00	0.7	33.7	1	12	9
30-Jun-09	2:00	0.0	13.8	1	9	7
30-Jun-09	3:00	0.0	12.3	1	9	7
30-Jun-09	4:00	0.4	16.7	2	10	8
30-Jun-09	5:00	5.2	19.7	1	12	9
30-Jun-09	6:00	5.7	13.0	2	11	8
30-Jun-09	7:00	7.6	12.6	1	11	7
30-Jun-09	8:00	6.2	10.7	2	12	8
30-Jun-09	9:00	5.6	10.7	2	23	9
30-Jun-09	10:00	10.5	18.0	4	18	9
30-Jun-09	11:00				11	7
30-Jun-09	12:00	6.1	15.5	4	11	7
30-Jun-09	13:00	5.6	15.1	4	11	7
30-Jun-09	14:00	7.6	17.4	3	11	7
30-Jun-09	15:00	3.5	12.3	3	12	6
30-Jun-09	16:00	4.1	16.7	3	12	7
30-Jun-09	17:00	2.0	12.4	2	15	6
30-Jun-09	18:00	2.0	13.6	2	9	5
30-Jun-09	19:00	0.2	10.9	2	11	5
30-Jun-09	20:00	0.0	10.5	1	10	5
30-Jun-09	21:00	0.0	8.0	1	7	4
30-Jun-09	22:00	0.0	16.8	1	7	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
30-Jun-09	23:00				9	6
1-Jul-09	0:00	22.3	50.3	2	11	8
1-Jul-09	1:00	22.7	48.2	2	10	8
1-Jul-09	2:00	24.6	46.1	2	10	7
1-Jul-09	3:00	19.8	42.3	2	9	7
1-Jul-09	4:00	13.8	36.2	2	8	6
1-Jul-09	5:00	13.5	33.3	2	11	6
1-Jul-09	6:00	20.5	37.3	4	14	8
1-Jul-09	7:00	9.4	19.1	6	10	6
1-Jul-09	8:00	13.5	22.8	5	10	6
1-Jul-09	9:00	4.2	10.1	3	11	7
1-Jul-09	10:00	3.0	9.6	3	9	7
1-Jul-09	11:00	1.9	7.3	3	9	7
1-Jul-09	12:00	8.7	19.5	4	12	7
1-Jul-09	13:00	6.4	17.0	5	13	8
1-Jul-09	14:00	4.9	15.3	4	11	8
1-Jul-09	15:00	2.7	12.1	3	11	7
1-Jul-09	16:00	3.1	14.0	2	11	8
1-Jul-09	17:00	2.1	13.6	2	12	8
1-Jul-09	18:00	0.5	10.9	2	10	7
1-Jul-09	19:00	0.4	16.3	2	11	8
1-Jul-09	20:00	0.0	14.5	2	14	8
1-Jul-09	21:00	0.5	25.7	2	12	8
1-Jul-09	22:00				20	10
1-Jul-09	23:00	18.2	61.8	2	16	11
2-Jul-09	0:00	23.2	56.1	2	16	12
2-Jul-09	1:00	25.2	52.5	2	15	12
2-Jul-09	2:00	11.2	50.0	2	13	10
2-Jul-09	3:00	5.0	45.2	2	15	12
2-Jul-09	4:00	6.9	35.4	2	12	10
2-Jul-09	5:00	11.1	35.6	2	10	7
2-Jul-09	6:00	20.8	40.8	2	18	8
2-Jul-09	7:00	44.2	55.5	5	16	8
2-Jul-09	8:00	25.3	39.6	7	12	7
2-Jul-09	9:00	11.0	21.1	5	12	6
2-Jul-09	10:00	2.9	9.2	2	11	6
2-Jul-09	11:00	2.0	7.8	2	10	6
2-Jul-09	12:00	5.1	14.2	2	13	6
2-Jul-09	13:00	16.5	30.6	7	15	8
2-Jul-09	14:00	8.6	21.4	9	10	7
2-Jul-09	15:00	4.9	18.6	7	14	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
2-Jul-09	16:00	2.9	14.7	5	12	6
2-Jul-09	17:00	2.5	19.3	5	14	7
2-Jul-09	18:00	5.2	35.4	5	15	7
2-Jul-09	19:00	1.9	35.4	10	13	7
2-Jul-09	20:00	0.0	16.3	2	13	7
2-Jul-09	21:00				16	8
2-Jul-09	22:00	0.0	20.5	2	11	7
2-Jul-09	23:00	0.0	13.2	2	11	7
3-Jul-09	0:00	3.0	35.0	2	11	8
3-Jul-09	1:00	13.0	61.1	4	15	9
3-Jul-09	2:00	0.5	46.7	3	14	9
3-Jul-09	3:00	0.0	32.0	4	11	9
3-Jul-09	4:00	2.5	26.0	5	10	8
3-Jul-09	5:00	10.1	36.4	9	12	9
3-Jul-09	6:00	26.3	48.8	14	17	9
3-Jul-09	7:00	22.3	44.8	14	18	9
3-Jul-09	8:00	9.0	26.6	18	10	6
3-Jul-09	9:00	11.9	29.1	17	10	6
3-Jul-09	10:00	20.1	33.9	9	12	7
3-Jul-09	11:00	12.3	24.7	8	11	7
3-Jul-09	12:00	3.2	14.2	5	9	6
3-Jul-09	13:00	4.7	17.6	5	10	7
3-Jul-09	14:00	12.3	32.5	23	18	7
3-Jul-09	15:00	2.0	16.3	5	22	8
3-Jul-09	16:00	1.7	15.9	6	14	8
3-Jul-09	17:00	2.2	18.4	4	14	8
3-Jul-09	18:00	2.5	17.2	2	16	10
3-Jul-09	19:00	0.6	17.2	2	17	10
3-Jul-09	20:00				15	8
3-Jul-09	21:00	0.1	18.8	4	16	9
3-Jul-09	22:00	2.1	34.8	15	17	10
3-Jul-09	23:00	0.0	18.0	4	17	12
4-Jul-09	0:00	0.0	33.9	6	17	12
4-Jul-09	1:00	0.0	29.9	4	18	13
4-Jul-09	2:00	0.0	26.0	3	20	15
4-Jul-09	3:00	0.2	25.3	3	18	14
4-Jul-09	4:00	0.4	23.2	3	15	11
4-Jul-09	5:00	4.7	24.1	3	17	12
4-Jul-09	6:00	9.6	23.7	3	12	9
4-Jul-09	7:00	12.6	22.0	10	9	7
4-Jul-09	8:00	9.2	17.4	10	6	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
4-Jul-09	9:00	13.1	20.9	5	7	5
4-Jul-09	10:00	8.7	17.2	6	7	5
4-Jul-09	11:00	3.0	11.9	3	8	6
4-Jul-09	12:00	8.2	18.4	5	10	6
4-Jul-09	13:00	5.5	18.8	4	9	6
4-Jul-09	14:00	3.2	14.9	3	9	6
4-Jul-09	15:00	2.7	14.2	4	10	6
4-Jul-09	16:00	2.5	18.0	2	13	7
4-Jul-09	17:00	15.7	46.9	29	14	8
4-Jul-09	18:00	3.1	25.7	7	13	9
4-Jul-09	19:00				14	9
4-Jul-09	20:00	0.0	20.1	3	17	9
4-Jul-09	21:00	0.0	24.3	6	14	10
4-Jul-09	22:00	1.6	48.4	13	16	12
4-Jul-09	23:00	4.9	46.5	4	20	14
5-Jul-09	0:00	18.7	63.0	8	26	18
5-Jul-09	1:00	2.4	39.6	5	21	17
5-Jul-09	2:00	1.9	35.8	3	17	14
5-Jul-09	3:00	6.9	42.3	3	15	12
5-Jul-09	4:00	2.1	30.1	3	15	12
5-Jul-09	5:00	5.4	24.5	3	17	14
5-Jul-09	6:00	12.0	29.7	5	16	12
5-Jul-09	7:00	10.9	29.1	7	20	15
5-Jul-09	8:00	3.4	16.1	6	15	11
5-Jul-09	9:00	13.5	26.4	7	15	10
5-Jul-09	10:00	15.2	30.4	7	17	12
5-Jul-09	11:00	22.6	33.5	16	16	12
5-Jul-09	12:00	15.1	25.3	12	14	11
5-Jul-09	13:00	8.5	24.5	6	12	9
5-Jul-09	14:00	7.5	26.4	6	14	9
5-Jul-09	15:00	1.2	10.0	3	14	10
5-Jul-09	16:00	9.2	25.3	7	14	9
5-Jul-09	17:00	39.3	39.4	11	14	10
5-Jul-09	18:00				16	10
5-Jul-09	19:00	26.4	39.6	8	14	10
5-Jul-09	20:00	15.2	20.9	6	14	10
5-Jul-09	21:00	0.0	4.8	1	11	7
5-Jul-09	22:00	3.4	10.9	2	10	7
5-Jul-09	23:00	0.0	2.3	1	9	6
6-Jul-09	0:00	0.0	2.1	1	6	5
6-Jul-09	1:00	0.0	6.5	2	7	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
6-Jul-09	2:00	0.0	6.9	2	8	6
6-Jul-09	3:00	0.0	11.5	5	7	5
6-Jul-09	4:00	0.0	12.8	4	6	5
6-Jul-09	5:00	0.2	11.1	4	6	5
6-Jul-09	6:00	1.4	10.7	2	6	5
6-Jul-09	7:00	3.1	23.9	2	9	5
6-Jul-09	8:00	3.7	22.6	1	9	6
6-Jul-09	9:00	4.5	17.6	1	8	5
6-Jul-09	10:00	9.2	20.5	2	9	4
6-Jul-09	11:00	4.9	11.9	2	7	2
6-Jul-09	12:00	11.7	13.6	2	18	2
6-Jul-09	13:00	18.2	17.8	3	16	2
6-Jul-09	14:00	25.1	26.0	6	13	2
6-Jul-09	15:00	2.0	4.2	1	31	4
6-Jul-09	16:00	1.5	5.6	1	7	2
6-Jul-09	17:00				7	2
6-Jul-09	18:00	0.4	2.3	1	3	1
6-Jul-09	19:00	0.0	0.8	1	3	1
6-Jul-09	20:00	0.0	1.1	1	2	1
6-Jul-09	21:00	0.0	2.9	1	1	1
6-Jul-09	22:00	16.0	14.4	4	1	1
6-Jul-09	23:00	4.2	7.1	3	1	0
7-Jul-09	0:00	3.7	9.4	2	2	1
7-Jul-09	1:00	0.0	0.6	1	1	1
7-Jul-09	2:00	0.0	4.2	1	2	1
7-Jul-09	3:00	0.2	4.6	1	1	1
7-Jul-09	4:00	24.8	22.8	7	1	1
7-Jul-09	5:00	5.6	14.4	2	1	1
7-Jul-09	6:00	2.0	10.1	2	2	2
7-Jul-09	7:00	5.0	13.2	1	3	2
7-Jul-09	8:00	4.5	14.9	2	4	3
7-Jul-09	9:00	3.7	15.3	3	3	2
7-Jul-09	10:00	3.0	9.8	3	3	2
7-Jul-09	11:00	1.4	8.4	3	2	2
7-Jul-09	12:00	3.7	14.9	5	3	3
7-Jul-09	13:00	4.5	16.5	4	2	2
7-Jul-09	14:00	3.6	11.9	2	2	2
7-Jul-09	15:00	4.7	14.0	2	2	2
7-Jul-09	16:00				2	1
7-Jul-09	17:00	4.5	20.1	2	2	2
7-Jul-09	18:00	1.2	14.0	1	2	1

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
7-Jul-09	19:00	2.7	13.0	1	2	2
7-Jul-09	20:00	0.7	14.2	2	2	1
7-Jul-09	21:00	2.0	27.4	5	2	1
7-Jul-09	22:00	3.1	28.1	5	2	1
7-Jul-09	23:00	0.0	18.4	3	2	1
8-Jul-09	0:00	0.2	17.4	4	2	1
8-Jul-09	1:00	1.2	24.1	6	1	1
8-Jul-09	2:00	0.6	23.7	4	2	1
8-Jul-09	3:00	0.1	19.5	3	2	1
8-Jul-09	4:00	0.0	9.8	3	2	2
8-Jul-09	5:00	0.0	7.5	2	3	3
8-Jul-09	6:00	3.1	12.6	2	3	2
8-Jul-09	7:00	4.7	15.7	2	2	2
8-Jul-09	8:00	4.2	12.1	1	2	2
8-Jul-09	9:00	5.6	13.8	2	3	3
8-Jul-09	10:00	5.1	10.5	2	4	4
8-Jul-09	11:00	2.6	7.5	2	3	2
8-Jul-09	12:00	3.2	10.0	2	3	3
8-Jul-09	13:00	15.5	20.5	3	5	4
8-Jul-09	14:00	10.0	20.5	3	5	3
8-Jul-09	15:00				4	2
8-Jul-09	16:00	58.1	43.6	14	7	5
8-Jul-09	17:00	20.7	32.0	4	6	4
8-Jul-09	18:00	17.6	31.8	4	7	5
8-Jul-09	19:00	8.1	29.7	2	8	6
8-Jul-09	20:00	7.1	29.3	2	10	8
8-Jul-09	21:00	11.4	29.9	3	7	5
8-Jul-09	22:00	0.4	22.6	2	5	4
8-Jul-09	23:00	0.0	23.4	3	4	4
9-Jul-09	0:00	0.2	22.8	4	5	4
9-Jul-09	1:00	0.2	19.5	3	7	6
9-Jul-09	2:00	5.6	28.3	4	8	7
9-Jul-09	3:00	3.0	27.2	4	8	7
9-Jul-09	4:00	13.6	26.6	4	8	7
9-Jul-09	5:00	14.0	26.6	4	8	7
9-Jul-09	6:00	18.2	25.5	7	7	6
9-Jul-09	7:00	13.8	19.5	5	7	5
9-Jul-09	8:00	14.7	19.0	5	7	5
9-Jul-09	9:00	19.6	18.4	4	10	6
9-Jul-09	10:00	30.9	24.1	5	10	6
9-Jul-09	11:00	21.7	20.5	6	8	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
9-Jul-09	12:00	13.8	18.8	8	8	5
9-Jul-09	13:00	13.7	18.2	4	6	4
9-Jul-09	14:00				7	4
9-Jul-09	15:00	4.1	12.4	2	8	4
9-Jul-09	16:00	4.7	12.3	2	7	4
9-Jul-09	17:00	7.5	18.0	5	7	4
9-Jul-09	18:00	10.6	25.7	5	8	5
9-Jul-09	19:00	6.0	24.3	2	8	4
9-Jul-09	20:00	1.0	11.3	1	5	4
9-Jul-09	21:00	1.4	17.4	2	6	4
9-Jul-09	22:00	4.1	19.3	2	6	5
9-Jul-09	23:00	8.4	18.0	4	6	5
10-Jul-09	0:00	7.9	17.6	3	7	5
10-Jul-09	1:00	8.7	20.5	2	7	6
10-Jul-09	2:00	1.5	18.2	1	8	6
10-Jul-09	3:00	9.4	18.2	1	8	6
10-Jul-09	4:00	23.9	19.9	1	9	7
10-Jul-09	5:00	33.8	23.4	2	10	7
10-Jul-09	6:00	27.4	25.7	2	11	9
10-Jul-09	7:00	22.6	23.7	5	13	9
10-Jul-09	8:00	11.0	15.3	4	11	8
10-Jul-09	9:00	11.2	15.3	6	11	8
10-Jul-09	10:00	8.7	12.8	3	11	8
10-Jul-09	11:00	17.1	17.8	3	10	7
10-Jul-09	12:00	17.8	20.7	6	9	6
10-Jul-09	13:00				9	6
10-Jul-09	14:00	7.2	19.5	6	8	6
10-Jul-09	15:00	2.6	14.0	5	8	5
10-Jul-09	16:00	6.2	27.6	7	8	5
10-Jul-09	17:00	8.5	37.7	4	9	6
10-Jul-09	18:00	5.6	37.7	6	9	5
10-Jul-09	19:00	3.7	31.8	4	14	5
10-Jul-09	20:00	0.0	16.1	2	7	5
10-Jul-09	21:00	0.0	18.0	1	8	6
10-Jul-09	22:00	0.1	29.3	1	8	6
10-Jul-09	23:00	0.0	21.2	1	8	7
11-Jul-09	0:00	0.0	14.0	1	8	6
11-Jul-09	1:00	0.7	22.4	1	9	7
11-Jul-09	2:00	3.4	24.1	1	10	8
11-Jul-09	3:00	1.7	23.0	1	9	8
11-Jul-09	4:00	3.4	24.5	1	11	9

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
11-Jul-09	5:00	20.8	25.7	2	12	10
11-Jul-09	6:00	11.2	16.8	2	10	8
11-Jul-09	7:00	4.7	11.1	2	7	5
11-Jul-09	8:00	13.0	22.8	10	9	6
11-Jul-09	9:00	47.3	32.5	33	8	5
11-Jul-09	10:00	12.6	21.2	9	7	5
11-Jul-09	11:00	7.6	17.6	4	9	5
11-Jul-09	12:00				8	5
11-Jul-09	13:00	7.1	17.4	6	9	6
11-Jul-09	14:00	3.5	12.1	2	12	6
11-Jul-09	15:00	13.5	28.5	6	10	6
11-Jul-09	16:00	10.9	29.1	4	11	6
11-Jul-09	17:00	10.4	27.2	7	13	9
11-Jul-09	18:00	7.1	25.8	11	13	9
11-Jul-09	19:00	13.1	30.4	28	12	7
11-Jul-09	20:00	18.2	22.8	28	11	7
11-Jul-09	21:00	17.7	26.0	31	11	7
11-Jul-09	22:00	80.5	26.0	114	13	9
11-Jul-09	23:00	15.2	23.2	32	11	7
12-Jul-09	0:00	0.0	2.5	2	10	6
12-Jul-09	1:00	0.0	2.1	1	9	6
12-Jul-09	2:00	0.2	6.7	1	11	7
12-Jul-09	3:00	0.2	2.1	1	9	7
12-Jul-09	4:00	0.0	2.9	1	7	6
12-Jul-09	5:00	1.1	6.5	1	7	5
12-Jul-09	6:00	12.7	10.7	2	8	6
12-Jul-09	7:00	13.7	12.4	3	7	6
12-Jul-09	8:00	6.1	10.7	2	6	5
12-Jul-09	9:00	2.1	7.1	1	7	5
12-Jul-09	10:00	7.6	12.8	3	10	7
12-Jul-09	11:00				10	6
12-Jul-09	12:00	0.9	4.0	2	9	7
12-Jul-09	13:00	0.9	3.4	1	10	7
12-Jul-09	14:00	0.9	4.0	1	12	9
12-Jul-09	15:00	3.6	7.8	1	14	10
12-Jul-09	16:00	1.2	7.1	1	15	10
12-Jul-09	17:00	6.5	13.0	1	14	10
12-Jul-09	18:00	5.7	14.4	1	13	9
12-Jul-09	19:00	0.6	5.2	1	11	7
12-Jul-09	20:00	0.1	3.4	2	9	7
12-Jul-09	21:00	0.1	3.6	2	8	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
12-Jul-09	22:00	0.1	2.9	1	6	5
12-Jul-09	23:00	10.9	22.0	2	5	5
13-Jul-09	0:00	12.2	22.8	2	4	4
13-Jul-09	1:00	1.0	5.2	1	2	2
13-Jul-09	2:00	0.0	1.0	1	2	2
13-Jul-09	3:00	0.0	1.7	1	1	1
13-Jul-09	4:00	8.6	20.3	2	2	2
13-Jul-09	5:00	11.0	23.5	2	3	3
13-Jul-09	6:00	6.2	13.6	1	2	2
13-Jul-09	7:00	22.5	28.7	3	4	3
13-Jul-09	8:00	15.3	21.4	2	3	2
13-Jul-09	9:00	7.6	13.0	1	4	2
13-Jul-09	10:00				5	3
13-Jul-09	11:00	11.7	16.7	2	8	5
13-Jul-09	12:00	1.9	5.2	2	12	5
13-Jul-09	13:00	2.0	5.6	1	9	4
13-Jul-09	14:00	1.9	5.2	1	14	6
13-Jul-09	15:00	1.4	3.4	1	12	5
13-Jul-09	16:00	1.1	4.0	1	10	5
13-Jul-09	17:00	2.1	6.5	1	8	5
13-Jul-09	18:00	2.7	7.5	1	8	6
13-Jul-09	19:00	0.7	5.0	1	8	5
13-Jul-09	20:00	3.4	12.4	1	5	4
13-Jul-09	21:00	1.2	7.3	1	3	2
13-Jul-09	22:00	0.1	3.6	1	2	2
13-Jul-09	23:00	0.0	1.0	1	2	1
14-Jul-09	0:00	0.0	0.6	1	2	2
14-Jul-09	1:00	0.0	1.1	1	1	1
14-Jul-09	2:00	7.9	22.0	1	3	2
14-Jul-09	3:00	0.0	7.1	1	2	2
14-Jul-09	4:00	14.6	30.6	2	4	4
14-Jul-09	5:00	15.0	30.1	1	3	3
14-Jul-09	6:00	11.5	21.8	1	4	3
14-Jul-09	7:00	13.2	15.1	1	4	3
14-Jul-09	8:00	4.1	8.4	1	4	3
14-Jul-09	9:00				5	3
14-Jul-09	10:00	6.0	9.4	2	7	4
14-Jul-09	11:00	2.9	6.9	2	6	4
14-Jul-09	12:00	4.5	10.1	2	7	5
14-Jul-09	13:00	3.4	10.7	1	9	5
14-Jul-09	14:00	4.1	10.5	1	16	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
14-Jul-09	15:00	1.7	6.3	1	19	6
14-Jul-09	16:00	1.4	6.3	1	10	5
14-Jul-09	17:00	2.7	6.1	1	9	6
14-Jul-09	18:00	4.6	11.9	1	9	6
14-Jul-09	19:00	1.0	5.6	1	7	6
14-Jul-09	20:00	4.0	10.7	1	9	8
14-Jul-09	21:00	1.0	9.0	1	7	6
14-Jul-09	22:00	3.7	10.9	1	8	7
14-Jul-09	23:00	10.7	20.3	2	8	8
15-Jul-09	0:00	1.6	5.9	1	8	7
15-Jul-09	1:00	2.5	13.2	1	7	6
15-Jul-09	2:00	9.4	13.6	1	6	6
15-Jul-09	3:00	0.6	11.5	1	6	5
15-Jul-09	4:00	1.9	16.1	1	6	5
15-Jul-09	5:00	9.7	17.6	1	8	7
15-Jul-09	6:00	22.7	21.4	2	12	9
15-Jul-09	7:00	16.5	18.2	2	14	10
15-Jul-09	8:00				10	6
15-Jul-09	9:00	18.3	13.8	13	5	4
15-Jul-09	10:00	8.9	10.0	10	7	5
15-Jul-09	11:00	3.5	7.5	3	9	6
15-Jul-09	12:00	1.6	6.7	2	9	7
15-Jul-09	13:00	3.4	10.0	2	14	8
15-Jul-09	14:00	4.5	10.3	2	8	6
15-Jul-09	15:00	2.6	8.2	1	10	6
15-Jul-09	16:00	3.5	9.6	1	13	7
15-Jul-09	17:00	3.1	8.8	1	14	7
15-Jul-09	18:00	1.1	5.2	1	9	7
15-Jul-09	19:00	1.4	5.7	1	6	5
15-Jul-09	20:00	12.2	17.0	1	8	6
15-Jul-09	21:00	40.2	37.3	2	9	7
15-Jul-09	22:00	10.2	19.3	2	10	8
15-Jul-09	23:00	0.4	7.7	1	7	5
16-Jul-09	0:00	16.8	30.1	2	7	6
16-Jul-09	1:00	14.0	29.1	1	9	7
16-Jul-09	2:00	3.9	18.6	1	6	5
16-Jul-09	3:00	0.1	14.2	1	5	4
16-Jul-09	4:00	0.4	11.9	1	4	4
16-Jul-09	5:00	11.2	15.3	1	5	4
16-Jul-09	6:00	22.5	19.5	2	7	5
16-Jul-09	7:00				9	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
16-Jul-09	8:00	11.6	12.4	5	9	4
16-Jul-09	9:00	7.0	10.5	5	8	5
16-Jul-09	10:00	7.5	9.2	3	6	3
16-Jul-09	11:00	7.7	10.0	2	6	3
16-Jul-09	12:00	15.2	13.0	7	13	3
16-Jul-09	13:00	23.7	17.6	5	6	3
16-Jul-09	14:00	9.6	10.7	3	10	3
16-Jul-09	15:00	6.5	9.4	2	9	3
16-Jul-09	16:00	6.5	9.6	2	9	3
16-Jul-09	17:00	8.6	11.5	3	11	3
16-Jul-09	18:00	3.5	8.2	3	11	4
16-Jul-09	19:00	5.1	13.6	1	17	3
16-Jul-09	20:00	1.1	7.8	1	7	2
16-Jul-09	21:00	2.4	10.0	1	5	3
16-Jul-09	22:00	0.7	10.1	1	5	4
16-Jul-09	23:00	0.0	5.7	1	4	3
17-Jul-09	0:00	0.2	8.6	1	4	3
17-Jul-09	1:00	0.1	12.4	1	6	4
17-Jul-09	2:00	10.2	18.6	1	7	5
17-Jul-09	3:00	2.5	17.0	1	5	4
17-Jul-09	4:00	3.7	18.6	2	4	3
17-Jul-09	5:00	13.3	17.0	2	6	4
17-Jul-09	6:00				5	4
17-Jul-09	7:00	23.8	17.0	3	12	5
17-Jul-09	8:00	22.3	19.5	9	10	3
17-Jul-09	9:00	12.2	10.9	4	6	3
17-Jul-09	10:00	15.1	13.4	3	7	3
17-Jul-09	11:00	5.4	10.0	2	5	2
17-Jul-09	12:00	7.4	9.6	2	5	2
17-Jul-09	13:00	7.4	9.4	2	8	3
17-Jul-09	14:00	14.6	13.2	2	19	6
17-Jul-09	15:00	6.0	8.4	1	17	6
17-Jul-09	16:00	7.6	11.1	4	12	5
17-Jul-09	17:00	81.7	36.9	115	10	4
17-Jul-09	18:00	227.0	50.0	220	7	5
17-Jul-09	19:00	60.0	24.7	49	12	4
17-Jul-09	20:00	123.4	30.8	111	5	3
17-Jul-09	21:00	37.2	18.2	34	3	1
17-Jul-09	22:00	3.4	7.8	3	4	2
17-Jul-09	23:00	13.1	11.5	15	6	3
18-Jul-09	0:00	0.1	4.4	1	6	3

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
18-Jul-09	1:00	0.0	5.4	1	7	4
18-Jul-09	2:00	0.1	4.8	1	5	3
18-Jul-09	3:00	0.4	3.1	1	2	2
18-Jul-09	4:00	0.9	3.3	1	1	1
18-Jul-09	5:00				1	1
18-Jul-09	6:00	0.6	2.3	1	2	1
18-Jul-09	7:00	1.2	2.7	1	2	1
18-Jul-09	8:00	3.7	5.2	1	3	2
18-Jul-09	9:00	2.9	5.6	1	4	3
18-Jul-09	10:00	2.5	4.6	1	5	3
18-Jul-09	11:00	5.1	9.2	2	12	4
18-Jul-09	12:00	1.5	4.6	1	22	4
18-Jul-09	13:00	1.4	4.2	1	8	3
18-Jul-09	14:00	2.5	5.6	1	6	2
18-Jul-09	15:00	40.7	27.4	44	9	3
18-Jul-09	16:00	112.5	37.3	120	12	6
18-Jul-09	17:00	341.3	58.8	381	9	6
18-Jul-09	18:00	311.7	57.0	354	7	5
18-Jul-09	19:00	166.4	45.9	198	7	4
18-Jul-09	20:00	173.5	46.1	201	6	4
18-Jul-09	21:00	57.6	29.7	77	5	4
18-Jul-09	22:00	141.2	40.8	165	6	5
18-Jul-09	23:00	71.6	25.7	89	6	5
19-Jul-09	0:00	0.2	6.3	3	6	5
19-Jul-09	1:00	0.6	6.3	2	6	5
19-Jul-09	2:00	0.0	3.1	2	7	6
19-Jul-09	3:00	0.1	5.4	1	7	6
19-Jul-09	4:00				6	6
19-Jul-09	5:00	1.9	6.7	1	6	6
19-Jul-09	6:00	0.5	3.3	1	6	5
19-Jul-09	7:00	1.5	4.4	1	6	5
19-Jul-09	8:00	4.7	9.2	1	6	4
19-Jul-09	9:00	4.6	9.2	1	6	4
19-Jul-09	10:00	5.5	10.3	1	7	4
19-Jul-09	11:00	1.6	5.0	1	7	4
19-Jul-09	12:00	2.9	7.5	1	9	5
19-Jul-09	13:00	3.5	8.4	1	12	7
19-Jul-09	14:00	3.4	7.5	1	15	10
19-Jul-09	15:00	1.2	3.3	1	15	10
19-Jul-09	16:00	1.6	5.9	1	18	12
19-Jul-09	17:00	2.1	7.1	1	8	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
19-Jul-09	18:00	0.9	5.6	1	5	3
19-Jul-09	19:00	1.7	9.6	1	5	3
19-Jul-09	20:00	0.0	3.1	1	6	3
19-Jul-09	21:00	0.0	4.0	1	5	4
19-Jul-09	22:00	0.2	9.0	1	5	4
19-Jul-09	23:00	0.0	5.2	1	5	4
20-Jul-09	0:00	0.0	6.9	1	6	5
20-Jul-09	1:00	0.5	17.2	1	6	5
20-Jul-09	2:00	0.0	6.3	1	6	5
20-Jul-09	3:00				6	5
20-Jul-09	4:00	0.1	9.8	1	5	4
20-Jul-09	5:00	4.2	15.3	1	3	3
20-Jul-09	6:00	10.4	19.3	1	4	3
20-Jul-09	7:00	11.2	19.3	2	12	5
20-Jul-09	8:00	10.0	17.2	5	9	4
20-Jul-09	9:00	5.9	11.7	3	8	3
20-Jul-09	10:00	16.0	23.2	3	12	4
20-Jul-09	11:00	5.9	13.6	2	10	4
20-Jul-09	12:00	4.6	13.2	2	23	6
20-Jul-09	13:00	5.0	13.4	3	8	4
20-Jul-09	14:00	8.7	18.2	5	7	4
20-Jul-09	15:00	2.1	11.3	3	7	3
20-Jul-09	16:00	4.2	18.4	5	7	3
20-Jul-09	17:00	7.5	32.9	15	9	3
20-Jul-09	18:00	2.7	23.2	7	12	3
20-Jul-09	19:00	0.9	28.1	4	11	4
20-Jul-09	20:00	0.0	14.7	1	9	4
20-Jul-09	21:00	0.0	14.7	1	8	4
20-Jul-09	22:00	0.0	22.2	1	6	5
20-Jul-09	23:00	0.0	12.6	1	6	5
21-Jul-09	0:00	0.0	21.2	1	8	5
21-Jul-09	1:00	0.7	40.2	1	10	7
21-Jul-09	2:00				9	7
21-Jul-09	3:00	11.5	43.5	1	9	7
21-Jul-09	4:00	14.0	43.5	3	9	6
21-Jul-09	5:00	45.7	51.5	5	11	8
21-Jul-09	6:00	40.8	54.0	5	27	9
21-Jul-09	7:00	43.7	38.7	4	28	8
21-Jul-09	8:00	14.2	18.6	4	10	5
21-Jul-09	9:00	16.2	20.3	4	9	5
21-Jul-09	10:00	26.7	29.7	10	11	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
21-Jul-09	11:00	16.0	26.6	10	10	6
21-Jul-09	12:00	4.0	13.6	6	10	5
21-Jul-09	13:00	6.0	19.0	5	10	6
21-Jul-09	14:00	5.0	17.2	3	11	5
21-Jul-09	15:00	0.6	5.4	1	21	9
21-Jul-09	16:00	1.4	6.1	1	18	13
21-Jul-09	17:00	0.7	4.4	1	18	13
21-Jul-09	18:00	1.0	4.8	1	18	12
21-Jul-09	19:00	1.2	6.3	1	16	11
21-Jul-09	20:00	0.0	4.8	1	15	10
21-Jul-09	21:00	0.0	5.9	1	15	9
21-Jul-09	22:00	0.0	7.7	1	16	9
21-Jul-09	23:00	0.0	13.6	1	13	9
22-Jul-09	0:00	0.0	9.4	1	14	10
22-Jul-09	1:00				9	7
22-Jul-09	2:00	0.0	1.9	0	8	6
22-Jul-09	3:00	0.0	5.4	0	6	5
22-Jul-09	4:00	0.6	11.9	1	10	7
22-Jul-09	5:00	5.7	16.8	1	12	8
22-Jul-09	6:00	16.5	22.2	4	13	9
22-Jul-09	7:00	13.1	18.6	4	12	6
22-Jul-09	8:00	6.6	10.7	3	8	4
22-Jul-09	9:00	2.1	4.4	1	7	4
22-Jul-09	10:00	4.6	9.2	4	9	6
22-Jul-09	11:00	2.2	6.7	3	8	6
22-Jul-09	12:00	1.2	5.9	2	9	6
22-Jul-09	13:00	2.1	7.1	2	11	5
22-Jul-09	14:00	2.2	6.3	1	9	5
22-Jul-09	15:00	2.7	6.5	1	13	7
22-Jul-09	16:00	2.1	5.4	0	12	7
22-Jul-09	17:00	2.7	6.5	1	14	9
22-Jul-09	18:00	1.2	5.4	1	12	7
22-Jul-09	19:00	0.7	4.0	1	10	6
22-Jul-09	20:00	0.5	3.4	1	8	5
22-Jul-09	21:00	0.1	5.0	1	6	5
22-Jul-09	22:00	2.2	9.4	4	5	4
22-Jul-09	23:00				4	3
23-Jul-09	0:00	0.0	3.1	1	5	4
23-Jul-09	1:00	0.0	3.8	0	4	3
23-Jul-09	2:00	0.0	1.3	0	3	2
23-Jul-09	3:00	0.0	2.1	0	2	1

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
23-Jul-09	4:00	0.0	4.4	0	2	1
23-Jul-09	5:00	8.7	8.4	0	2	2
23-Jul-09	6:00	3.2	8.0	1	3	2
23-Jul-09	7:00	3.7	5.7	2	5	3
23-Jul-09	8:00	6.4	9.0	6	6	4
23-Jul-09	9:00	9.9	11.1	8	8	4
23-Jul-09	10:00	11.2	12.1	7	7	4
23-Jul-09	11:00	3.4	5.6	2	6	3
23-Jul-09	12:00	4.1	6.7	2	8	5
23-Jul-09	13:00	3.4	6.3	1	13	5
23-Jul-09	14:00	4.2	7.7	1	10	5
23-Jul-09	15:00	1.7	4.0	0	9	5
23-Jul-09	16:00	2.9	6.3	0	18	10
23-Jul-09	17:00	7.2	13.2	6	13	8
23-Jul-09	18:00	2.6	13.4	3	13	10
23-Jul-09	19:00	1.7	11.7	3	11	8
23-Jul-09	20:00	13.5	15.7	22	4	3
23-Jul-09	21:00	7.0	11.1	7	4	3
23-Jul-09	22:00				3	3
23-Jul-09	23:00	0.6	12.4	5	4	3
24-Jul-09	0:00	0.0	6.3	1	3	3
24-Jul-09	1:00	0.1	8.4	1	4	3
24-Jul-09	2:00	0.0	2.9	0	2	2
24-Jul-09	3:00	0.1	6.9	1	2	2
24-Jul-09	4:00	0.4	9.0	0	2	2
24-Jul-09	5:00	3.9	15.3	0	3	2
24-Jul-09	6:00	9.4	15.5	1	5	4
24-Jul-09	7:00	10.1	13.4	1	6	4
24-Jul-09	8:00	6.1	8.2	2	6	3
24-Jul-09	9:00	11.5	11.5	3	7	4
24-Jul-09	10:00	9.6	10.0	3	15	5
24-Jul-09	11:00	12.2	13.2	6	5	4
24-Jul-09	12:00	6.5	9.6	4	24	6
24-Jul-09	13:00	2.6	5.9	2	4	3
24-Jul-09	14:00	5.4	11.9	5	8	4
24-Jul-09	15:00	3.5	11.5	5	7	4
24-Jul-09	16:00	4.6	18.2	4	10	5
24-Jul-09	17:00	1.5	13.8	3	8	5
24-Jul-09	18:00	1.0	14.2	1	12	7
24-Jul-09	19:00	0.5	13.8	1	9	7
24-Jul-09	20:00	0.1	18.4	1	5	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
24-Jul-09	21:00				6	5
24-Jul-09	22:00	5.0	40.4	11	7	5
24-Jul-09	23:00	6.1	43.5	6	9	7
25-Jul-09	0:00	0.0	30.1	3	9	7
25-Jul-09	1:00	1.7	37.5	11	7	6
25-Jul-09	2:00	3.1	41.5	9	8	6
25-Jul-09	3:00	0.6	36.0	11	8	6
25-Jul-09	4:00	5.0	36.9	5	8	6
25-Jul-09	5:00	5.7	32.9	5	9	7
25-Jul-09	6:00	7.4	27.0	5	10	7
25-Jul-09	7:00	7.6	20.5	3	10	7
25-Jul-09	8:00	8.9	22.6	5	11	6
25-Jul-09	9:00	19.6	24.1	6	10	5
25-Jul-09	10:00	3.4	12.3	6	13	6
25-Jul-09	11:00	20.1	34.8	22	12	6
25-Jul-09	12:00	15.2	28.5	18	12	5
25-Jul-09	13:00	8.0	19.7	8	12	6
25-Jul-09	14:00	5.5	20.3	6	13	6
25-Jul-09	15:00	3.7	17.6	4	15	6
25-Jul-09	16:00	1.6	13.6	2	13	6
25-Jul-09	17:00	11.7	21.8	11	10	6
25-Jul-09	18:00	19.5	32.9	19	10	7
25-Jul-09	19:00	83.8	31.4	93	6	5
25-Jul-09	20:00				16	10
25-Jul-09	21:00	28.8	26.0	26	20	13
25-Jul-09	22:00	26.4	29.9	8	14	9
25-Jul-09	23:00	1.5	29.3	5	15	10
26-Jul-09	0:00	1.2	25.7	3	14	10
26-Jul-09	1:00	1.7	26.4	2	12	8
26-Jul-09	2:00	0.6	19.5	2	9	7
26-Jul-09	3:00	0.4	16.7	1	11	9
26-Jul-09	4:00	2.6	19.5	1	12	9
26-Jul-09	5:00	3.5	15.9	3	8	6
26-Jul-09	6:00	8.9	14.9	3	10	8
26-Jul-09	7:00	9.1	12.6	3	8	6
26-Jul-09	8:00	10.7	13.8	2	11	7
26-Jul-09	9:00	7.2	11.7	3	10	7
26-Jul-09	10:00	11.6	14.9	11	10	6
26-Jul-09	11:00	21.7	20.1	29	10	6
26-Jul-09	12:00	8.5	15.1	11	10	6
26-Jul-09	13:00	6.1	10.7	2	8	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
26-Jul-09	14:00	3.1	12.6	2	9	6
26-Jul-09	15:00	1.1	6.5	1	8	6
26-Jul-09	16:00	1.1	7.3	1	9	6
26-Jul-09	17:00	1.9	9.2	1	10	7
26-Jul-09	18:00	1.9	12.8	1	8	6
26-Jul-09	19:00				9	6
26-Jul-09	20:00	0.0	14.9	1	9	6
26-Jul-09	21:00	0.0	13.6	1	10	7
26-Jul-09	22:00	0.2	23.4	1	12	8
26-Jul-09	23:00	1.4	26.8	1	12	8
27-Jul-09	0:00	1.0	17.2	1	13	9
27-Jul-09	1:00	0.0	15.3	1	10	8
27-Jul-09	2:00	0.1	16.7	3	9	7
27-Jul-09	3:00					
27-Jul-09	4:00					
27-Jul-09	5:00	17.6	27.6	3	11	9
27-Jul-09	6:00	14.7	23.2	12	11	9
27-Jul-09	7:00	28.9	26.4	35	12	9
27-Jul-09	8:00	32.8	27.2	41	10	6
27-Jul-09	9:00	12.5	19.5	24	10	6
27-Jul-09	10:00	9.7	17.8	10	13	6
27-Jul-09	11:00	5.1	13.8	7	13	6
27-Jul-09	12:00	8.7	20.7	12	9	6
27-Jul-09	13:00	7.0	19.5	9	9	6
27-Jul-09	14:00	7.7	22.4	9	10	5
27-Jul-09	15:00	3.6	21.8	12	10	6
27-Jul-09	16:00	1.2	14.2	3	12	6
27-Jul-09	17:00	3.1	24.1	4	13	7
27-Jul-09	18:00				19	8
27-Jul-09	19:00	0.2	21.8	2	16	9
27-Jul-09	20:00	0.0	13.4	1	14	9
27-Jul-09	21:00	0.0	13.0	1	12	9
27-Jul-09	22:00	0.4	25.3	1	11	9
27-Jul-09	23:00	12.7	40.0	1	13	10
28-Jul-09	0:00	2.2	27.4	1	16	11
28-Jul-09	1:00	0.6	26.4	1	13	10
28-Jul-09	2:00	1.9	25.8	1	15	11
28-Jul-09	3:00	0.5	27.4	1	14	11
28-Jul-09	4:00	3.0	29.1	2	13	10
28-Jul-09	5:00	5.7	24.9	2	14	10
28-Jul-09	6:00	13.5	28.3	7	15	11

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
28-Jul-09	7:00	26.6	34.1	15	18	11
28-Jul-09	8:00	26.1	34.3	18	16	9
28-Jul-09	9:00	26.8	35.6	18	16	9
28-Jul-09	10:00	22.7	30.2	11	19	9
28-Jul-09	11:00	13.1	23.9	6	28	10
28-Jul-09	12:00	10.0	24.3	4	19	10
28-Jul-09	13:00	6.1	23.0	4	18	10
28-Jul-09	14:00	1.2	13.4	5	18	11
28-Jul-09	15:00	0.9	15.5	9	26	12
28-Jul-09	16:00	0.7	18.0	4	34	13
28-Jul-09	17:00				19	13
28-Jul-09	18:00	0.1	15.3	3	21	14
28-Jul-09	19:00	0.0	21.4	3	25	16
28-Jul-09	20:00	0.0	19.1	2	25	18
28-Jul-09	21:00	0.0	25.7	2	29	20
28-Jul-09	22:00	0.0	45.9	2	33	24
28-Jul-09	23:00	0.6	38.7	2	32	23
29-Jul-09	0:00	1.0	46.9	2	28	21
29-Jul-09	1:00	0.7	36.6	2	22	17
29-Jul-09	2:00	0.4	36.4	2	22	18
29-Jul-09	3:00	0.9	36.4	3	21	17
29-Jul-09	4:00	3.7	39.4	3	20	16
29-Jul-09	5:00	7.0	34.8	4	22	17
29-Jul-09	6:00	27.1	41.0	8	28	18
29-Jul-09	7:00	14.8	28.3	7	20	14
29-Jul-09	8:00	23.8	31.0	12	21	13
29-Jul-09	9:00	37.5	36.0	10	20	13
29-Jul-09	10:00	31.8	37.5	12	24	14
29-Jul-09	11:00	16.7	33.3	10	25	14
29-Jul-09	12:00	12.3	29.5	7	22	15
29-Jul-09	13:00	14.0	38.9	10	28	17
29-Jul-09	14:00	13.8	43.6	16	23	17
29-Jul-09	15:00	5.5	40.0	23	37	18
29-Jul-09	16:00				30	19
29-Jul-09	17:00	1.4	24.1	3	28	18
29-Jul-09	18:00	0.7	21.2	2	26	18
29-Jul-09	19:00	0.5	30.2	2	30	20
29-Jul-09	20:00	0.0	19.9	3	31	22
29-Jul-09	21:00	0.0	10.9	2	26	20
29-Jul-09	22:00	0.1	19.9	2	15	12
29-Jul-09	23:00	0.0	15.9	2	17	13

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
30-Jul-09	0:00	0.0	11.1	2	20	15
30-Jul-09	1:00	1.2	18.8	2	25	18
30-Jul-09	2:00	0.1	21.1	2	20	15
30-Jul-09	3:00	0.1	15.3	1	13	10
30-Jul-09	4:00	0.4	19.1	2	14	11
30-Jul-09	5:00	1.2	14.9	2	15	12
30-Jul-09	6:00	5.0	17.0	2	17	12
30-Jul-09	7:00	14.8	33.9	2	28	14
30-Jul-09	8:00	12.1	18.6	2	20	11
30-Jul-09	9:00	7.4	12.1	2	14	9
30-Jul-09	10:00	3.4	7.7	1	13	8
30-Jul-09	11:00	3.1	7.8	1	13	8
30-Jul-09	12:00	5.1	11.1	1	17	11
30-Jul-09	13:00	3.7	9.0	1	19	12
30-Jul-09	14:00	10.7	12.4	7	20	12
30-Jul-09	15:00				19	12
30-Jul-09	16:00	2.9	7.1	0	21	13
30-Jul-09	17:00	4.2	12.1	4	25	15
30-Jul-09	18:00	1.5	8.0	0	20	11
30-Jul-09	19:00	1.5	7.8	2	17	10
30-Jul-09	20:00	0.5	4.6	0	14	9
30-Jul-09	21:00	3.4	7.7	3	17	13
30-Jul-09	22:00	0.9	4.6	0	20	16
30-Jul-09	23:00	0.5	4.6	0	21	16
31-Jul-09	0:00	0.0	1.1	0	19	15
31-Jul-09	1:00	0.0	1.1	0	16	13
31-Jul-09	2:00	0.1	2.5	0	11	8
31-Jul-09	3:00	0.0	1.1	0	8	6
31-Jul-09	4:00	0.2	2.5	0	6	5
31-Jul-09	5:00	2.2	7.8	1	5	4
31-Jul-09	6:00	2.9	6.3	0	6	5
31-Jul-09	7:00	2.7	4.8	0	6	4
31-Jul-09	8:00	3.0	5.4	0	6	4
31-Jul-09	9:00	2.9	5.2	0	7	4
31-Jul-09	10:00	4.5	7.3	0	8	4
31-Jul-09	11:00	8.1	9.6	0	8	4
31-Jul-09	12:00	4.1	7.7	1	8	4
31-Jul-09	13:00	3.1	5.6	0	8	5
31-Jul-09	14:00				9	6
31-Jul-09	15:00	3.5	7.8	1	9	5
31-Jul-09	16:00	4.9	9.8	4	10	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
31-Jul-09	17:00	3.5	8.8	2	12	9
31-Jul-09	18:00	1.2	8.2	1	14	10
31-Jul-09	19:00	1.1	7.7	0	14	10
31-Jul-09	20:00	0.5	9.4	0	15	9
31-Jul-09	21:00	0.0	11.3	0	14	9
31-Jul-09	22:00	0.6	11.5	3	12	8
31-Jul-09	23:00	0.6	9.6	3	12	9
1-Aug-09	0:00	0.0	5.2	1	13	9
1-Aug-09	1:00	0.0	5.2	0	9	7
1-Aug-09	2:00	0.0	4.4	0	9	7
1-Aug-09	3:00	1.1	10.5	3	7	5
1-Aug-09	4:00	0.0	5.4	1	8	6
1-Aug-09	5:00	4.5	14.7	1	10	8
1-Aug-09	6:00	10.2	17.8	2	12	9
1-Aug-09	7:00	3.7	8.4	1	8	6
1-Aug-09	8:00	3.5	7.3	1	6	4
1-Aug-09	9:00	9.9	11.9	3	6	4
1-Aug-09	10:00	7.2	10.5	1	7	5
1-Aug-09	11:00	5.7	10.1	1	7	5
1-Aug-09	12:00	3.5	7.7	1	7	5
1-Aug-09	13:00				8	6
1-Aug-09	14:00	2.7	7.7	1	8	6
1-Aug-09	15:00	3.0	8.4	3	10	7
1-Aug-09	16:00	6.4	13.4	7	12	8
1-Aug-09	17:00	1.5	8.4	1	10	8
1-Aug-09	18:00	1.0	12.3	1	10	8
1-Aug-09	19:00	1.6	21.6	1	15	11
1-Aug-09	20:00	2.7	18.2	5	19	15
1-Aug-09	21:00	6.4	16.7	15	15	12
1-Aug-09	22:00	0.1	9.6	1	12	10
1-Aug-09	23:00	0.0	14.7	4	12	9
2-Aug-09	0:00	2.4	28.7	9	13	10
2-Aug-09	1:00	0.6	23.2	7	11	9
2-Aug-09	2:00	0.7	22.6	5	11	9
2-Aug-09	3:00	0.2	22.2	5	9	7
2-Aug-09	4:00	0.5	19.9	3	7	6
2-Aug-09	5:00	4.2	22.0	3	8	7
2-Aug-09	6:00	5.0	14.7	2	8	6
2-Aug-09	7:00	4.9	10.9	2	9	7
2-Aug-09	8:00	5.2	9.8	2	7	5
2-Aug-09	9:00	8.4	11.9	4	5	4

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
2-Aug-09	10:00	6.6	11.7	3	7	5
2-Aug-09	11:00	7.5	16.5	8	7	5
2-Aug-09	12:00				10	7
2-Aug-09	13:00	4.1	11.3	1	8	6
2-Aug-09	14:00	3.9	10.7	1	9	6
2-Aug-09	15:00	1.2	5.6	1	12	9
2-Aug-09	16:00	1.0	4.8	0	15	13
2-Aug-09	17:00	1.7	8.8	1	16	14
2-Aug-09	18:00	0.7	10.1	1	17	14
2-Aug-09	19:00	0.2	14.0	0	19	14
2-Aug-09	20:00	0.0	14.0	0	21	15
2-Aug-09	21:00	13.1	39.4	1	22	16
2-Aug-09	22:00	6.9	29.5	1	19	15
2-Aug-09	23:00	0.0	15.1	0	17	13
3-Aug-09	0:00	0.0	3.4	0	10	8
3-Aug-09	1:00	0.0	4.0	0	9	7
3-Aug-09	2:00	0.0	5.7	0	11	8
3-Aug-09	3:00	0.0	6.1	0	8	7
3-Aug-09	4:00	0.0	9.2	0	11	9
3-Aug-09	5:00	1.1	12.6	0	5	5
3-Aug-09	6:00	1.9	10.7	1	6	6
3-Aug-09	7:00	2.9	7.8	1	6	5
3-Aug-09	8:00	3.1	8.4	1	7	6
3-Aug-09	9:00	2.1	6.5	1	8	6
3-Aug-09	10:00	2.7	8.4	3	9	7
3-Aug-09	11:00				9	8
3-Aug-09	12:00	0.5	4.0	1	9	7
3-Aug-09	13:00	1.6	7.5	1	9	7
3-Aug-09	14:00	6.4	14.7	2	11	8
3-Aug-09	15:00	0.6	3.8	0	12	8
3-Aug-09	16:00	3.6	11.5	0	16	10
3-Aug-09	17:00	1.6	6.7	0	16	12
3-Aug-09	18:00	1.6	9.2	0	18	13
3-Aug-09	19:00	0.4	5.7	0	19	15
3-Aug-09	20:00	0.2	7.1	0	19	14
3-Aug-09	21:00	0.1	4.2	0	17	13
3-Aug-09	22:00	0.1	6.5	1	16	13
3-Aug-09	23:00	0.0	3.3	0	16	13
4-Aug-09	0:00	0.0	4.2	0	17	14
4-Aug-09	1:00	0.0	5.6	0	17	15
4-Aug-09	2:00	0.0	7.3	0	17	15

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
4-Aug-09	3:00	0.0	10.3	1	17	15
4-Aug-09	4:00	0.0	16.7	2	19	16
4-Aug-09	5:00	6.2	27.6	2	22	18
4-Aug-09	6:00	3.6	15.3	2	19	16
4-Aug-09	7:00	3.7	8.4	1	15	13
4-Aug-09	8:00	1.0	3.8	1	13	11
4-Aug-09	9:00	3.7	7.3	0	13	11
4-Aug-09	10:00				14	11
4-Aug-09	11:00	1.9	5.6	2	12	11
4-Aug-09	12:00	1.5	5.0	3	12	11
4-Aug-09	13:00	0.9	3.6	1	10	9
4-Aug-09	14:00	0.7	3.8	1	9	8
4-Aug-09	15:00	3.4	10.7	1	16	11
4-Aug-09	16:00	3.9	12.6	0	20	14
4-Aug-09	17:00	2.2	10.3	0	23	17
4-Aug-09	18:00	1.1	7.5	0	24	16
4-Aug-09	19:00	2.0	8.4	0	42	27
4-Aug-09	20:00	0.0	3.3	0	36	32
4-Aug-09	21:00	0.0	5.7	0	33	30
4-Aug-09	22:00	0.4	5.2	0	32	28
4-Aug-09	23:00	0.0	2.3	0	31	28
5-Aug-09	0:00	0.0	3.4	0	26	24
5-Aug-09	1:00	0.0	1.3	0	19	18
5-Aug-09	2:00	0.0	1.0	0	12	11
5-Aug-09	3:00	0.0	1.3	0	15	13
5-Aug-09	4:00	0.1	8.6	0	18	16
5-Aug-09	5:00	1.0	12.3	1	19	17
5-Aug-09	6:00	2.1	12.4	1	19	16
5-Aug-09	7:00	2.2	8.8	3	18	16
5-Aug-09	8:00	4.9	11.5	4	19	16
5-Aug-09	9:00				25	17
5-Aug-09	10:00	4.6	10.1	1	18	15
5-Aug-09	11:00	9.0	16.3	6	15	13
5-Aug-09	12:00	4.6	11.3	3	14	12
5-Aug-09	13:00	3.5	10.3	3	14	12
5-Aug-09	14:00	3.2	10.1	1	14	12
5-Aug-09	15:00	1.2	5.6	1	16	11
5-Aug-09	16:00	1.6	7.5	0	16	11
5-Aug-09	17:00	5.9	12.4	14	24	12
5-Aug-09	18:00	6.6	16.1	26	19	14
5-Aug-09	19:00	1.1	10.5	1	18	13

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
5-Aug-09	20:00	0.6	6.9	4	9	7
5-Aug-09	21:00	0.0	4.2	1	9	8
5-Aug-09	22:00	1.4	15.3	8	10	9
5-Aug-09	23:00	0.0	7.1	1	11	10
6-Aug-09	0:00	0.0	1.5	1	10	9
6-Aug-09	1:00	0.0	2.9	0	10	9
6-Aug-09	2:00	0.0	3.1	0	11	10
6-Aug-09	3:00	0.0	1.7	0	10	10
6-Aug-09	4:00	0.0	7.7	0	11	10
6-Aug-09	5:00	0.2	8.8	0	13	11
6-Aug-09	6:00	1.2	15.1	0	13	11
6-Aug-09	7:00	0.9	15.9	2	16	14
6-Aug-09	8:00				17	15
6-Aug-09	9:00	3.6	23.9	3	16	14
6-Aug-09	10:00	9.6	29.3	4	20	15
6-Aug-09	11:00	6.4	20.3	2	23	15
6-Aug-09	12:00	5.9	15.3	3	20	14
6-Aug-09	13:00	3.7	11.7	1	15	11
6-Aug-09	14:00	5.7	13.8	1	18	13
6-Aug-09	15:00	2.9	13.0	1	25	16
6-Aug-09	16:00	2.5	14.4	1	20	15
6-Aug-09	17:00	3.7	22.4	1	20	16
6-Aug-09	18:00	2.9	22.4	2	21	16
6-Aug-09	19:00	6.5	30.1	11	24	17
6-Aug-09	20:00	58.0	66.8	110	25	19
6-Aug-09	21:00	95.3	75.0	157	22	18
6-Aug-09	22:00	10.0	31.8	35	19	17
6-Aug-09	23:00	1.7	9.0	7	16	14
7-Aug-09	0:00	0.0	2.9	1	13	12
7-Aug-09	1:00	0.0	2.5	1	12	11
7-Aug-09	2:00	0.0	3.6	1	9	9
7-Aug-09	3:00	0.0	11.7	0	9	8
7-Aug-09	4:00	0.0	7.7	0	7	6
7-Aug-09	5:00	0.6	17.0	0	8	6
7-Aug-09	6:00	0.6	12.8	0	6	6
7-Aug-09	7:00				6	5
7-Aug-09	8:00	3.1	15.1	1	7	5
7-Aug-09	9:00	3.0	12.4	0	9	6
7-Aug-09	10:00	2.7	10.9	0	10	7
7-Aug-09	11:00	2.7	10.5	0	10	8
7-Aug-09	12:00	5.9	17.4	7	9	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
7-Aug-09	13:00	9.1	23.9	10	9	7
7-Aug-09	14:00	4.4	14.5	3	9	7
7-Aug-09	15:00	3.4	14.9	4	10	8
7-Aug-09	16:00	5.2	17.0	3	11	8
7-Aug-09	17:00	3.9	17.8	3	12	10
7-Aug-09	18:00	1.7	17.2	2	15	12
7-Aug-09	19:00	3.0	16.8	2	17	15
7-Aug-09	20:00	1.1	11.3	1	18	16
7-Aug-09	21:00	0.9	10.0	2	16	15
7-Aug-09	22:00	2.5	15.7	5	15	14
7-Aug-09	23:00	2.2	13.2	5	16	15
8-Aug-09	0:00	0.6	19.5	5	15	14
8-Aug-09	1:00	0.0	21.1	6	14	13
8-Aug-09	2:00	2.5	12.6	4	17	15
8-Aug-09	3:00	2.0	19.0	7	19	17
8-Aug-09	4:00	0.0	20.9	5	18	16
8-Aug-09	5:00	1.7	19.7	3	19	17
8-Aug-09	6:00				20	18
8-Aug-09	7:00	0.6	4.8	1	17	15
8-Aug-09	8:00	2.7	11.3	1	16	14
8-Aug-09	9:00	6.2	17.0	9	22	18
8-Aug-09	10:00	6.1	23.7	8	22	19
8-Aug-09	11:00	2.2	11.5	2	21	19
8-Aug-09	12:00	3.6	15.7	3	15	15
8-Aug-09	13:00	1.4	5.9	1	9	8
8-Aug-09	14:00	3.2	9.0	4	7	7
8-Aug-09	15:00	2.4	10.0	1	8	7
8-Aug-09	16:00	4.0	16.3	3	10	9
8-Aug-09	17:00	3.6	23.9	7	11	10
8-Aug-09	18:00	5.4	35.4	11	13	11
8-Aug-09	19:00	4.5	41.2	11	9	8
8-Aug-09	20:00	6.1	50.3	14	8	7
8-Aug-09	21:00	10.2	49.2	18	7	6
8-Aug-09	22:00	12.2	28.1	23	4	4
8-Aug-09	23:00	18.0	35.2	22	3	3
9-Aug-09	0:00	3.6	26.4	5	2	2
9-Aug-09	1:00	0.9	21.8	3	1	1
9-Aug-09	2:00	6.5	32.9	6	1	1
9-Aug-09	3:00	0.6	24.5	2	4	3
9-Aug-09	4:00	2.6	24.1	1	4	4
9-Aug-09	5:00				3	3

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
9-Aug-09	6:00	6.7	24.3	1	3	3
9-Aug-09	7:00	19.0	22.0	1	4	3
9-Aug-09	8:00	7.9	13.6	1	4	3
9-Aug-09	9:00	5.6	11.3	1	3	2
9-Aug-09	10:00	6.5	13.4	1	2	1
9-Aug-09	11:00	4.7	10.5	1	4	3
9-Aug-09	12:00	6.2	13.0	3	7	5
9-Aug-09	13:00	9.9	18.6	4	8	5
9-Aug-09	14:00	6.7	15.1	2	9	6
9-Aug-09	15:00	1.7	5.9	1	6	3
9-Aug-09	16:00	3.1	8.2	1	6	3
9-Aug-09	17:00	3.1	8.6	0	5	3
9-Aug-09	18:00	3.0	9.2	0	4	3
9-Aug-09	19:00	0.4	6.3	0	4	3
9-Aug-09	20:00	0.1	6.5	0	4	3
9-Aug-09	21:00	0.5	7.5	0	4	3
9-Aug-09	22:00	0.0	5.4	0	4	4
9-Aug-09	23:00	0.0	8.4	1	6	5
10-Aug-09	0:00	0.0	17.0	3	6	5
10-Aug-09	1:00	0.0	21.4	3	5	4
10-Aug-09	2:00	0.0	5.9	1	3	2
10-Aug-09	3:00	0.0	1.7	0	2	2
10-Aug-09	4:00				3	3
10-Aug-09	5:00	0.0	6.9	0	3	3
10-Aug-09	6:00	0.7	16.1	0	3	3
10-Aug-09	7:00	1.2	13.0	1	4	3
10-Aug-09	8:00	3.1	17.0	2	4	4
10-Aug-09	9:00	1.7	9.2	1	5	4
10-Aug-09	10:00	1.6	10.9	1	5	4
10-Aug-09	11:00	2.6	14.4	1	5	4
10-Aug-09	12:00	5.2	19.3	1	5	4
10-Aug-09	13:00	6.4	22.6	1	6	5
10-Aug-09	14:00	4.9	20.5	1	6	5
10-Aug-09	15:00			1	9	8
10-Aug-09	16:00			1	10	8
10-Aug-09	17:00			1	7	7
10-Aug-09	18:00			1	7	7
10-Aug-09	19:00			5	7	7
10-Aug-09	20:00	0.9	26.4	3	7	7
10-Aug-09	21:00	3.0	34.5	6	8	8
10-Aug-09	22:00	4.4	40.8	7	7	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
10-Aug-09	23:00	1.2	35.8	6	7	7
11-Aug-09	0:00	0.6	29.9	5	6	6
11-Aug-09	1:00	0.0	10.0	2	4	4
11-Aug-09	2:00	0.0	10.5	1	5	4
11-Aug-09	3:00				4	4
11-Aug-09	4:00	0.0	15.5	1	3	3
11-Aug-09	5:00	0.2	15.7	1	5	5
11-Aug-09	6:00	1.1	10.3	1	6	5
11-Aug-09	7:00	7.6	12.8	1	5	4
11-Aug-09	8:00	5.7	12.1	1	3	2
11-Aug-09	9:00	7.6	13.8	2	3	2
11-Aug-09	10:00	6.1	11.9	2	5	4
11-Aug-09	11:00	4.1	11.1	4	7	5
11-Aug-09	12:00	4.0	12.3	9	6	5
11-Aug-09	13:00	2.6	9.2	3	7	5
11-Aug-09	14:00	6.7	17.2	12	5	4
11-Aug-09	15:00	4.6	17.2	13	7	5
11-Aug-09	16:00	1.6	10.5	5	6	5
11-Aug-09	17:00	6.0	17.4	3	8	6
11-Aug-09	18:00	0.6	12.6	1	8	5
11-Aug-09	19:00	0.6	22.6	1	7	5
11-Aug-09	20:00	0.6	27.2	1	7	5
11-Aug-09	21:00	0.7	24.1	1	7	5
11-Aug-09	22:00	0.5	18.4	1	6	5
11-Aug-09	23:00	0.0	16.5	1	7	6
12-Aug-09	0:00	0.0	20.3	1	10	8
12-Aug-09	1:00	0.5	24.5	1	9	7
12-Aug-09	2:00				8	6
12-Aug-09	3:00	1.1	15.9	0	7	5
12-Aug-09	4:00	3.7	21.8	1	9	6
12-Aug-09	5:00	13.3	23.2	2	9	7
12-Aug-09	6:00	23.0	22.2	5	10	7
12-Aug-09	7:00	15.1	16.8	4	9	6
12-Aug-09	8:00	12.2	12.6	4	13	8
12-Aug-09	9:00	13.2	13.4	16	8	5
12-Aug-09	10:00	5.4	9.4	3	7	5
12-Aug-09	11:00	6.7	10.1	3	6	4
12-Aug-09	12:00	11.7	13.2	7	7	5
12-Aug-09	13:00	9.7	11.5	3	10	6
12-Aug-09	14:00	6.5	10.9	1	12	7
12-Aug-09	15:00	2.7	8.4	1	13	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
12-Aug-09	16:00	2.7	9.8	0	12	6
12-Aug-09	17:00	2.6	10.1	0	8	3
12-Aug-09	18:00	2.1	10.5	0	12	4
12-Aug-09	19:00	0.6	7.3	0	7	4
12-Aug-09	20:00	0.0	2.9	0	6	5
12-Aug-09	21:00	0.0	3.4	0	6	5
12-Aug-09	22:00	0.0	2.1	0	8	7
12-Aug-09	23:00	0.0	3.8	0	8	8
13-Aug-09	0:00	0.0	4.2	1	8	7
13-Aug-09	1:00				8	8
13-Aug-09	2:00	0.0	4.8	0	9	8
13-Aug-09	3:00	0.0	7.5	0	9	8
13-Aug-09	4:00	0.0	6.1	0	8	7
13-Aug-09	5:00	1.7	11.1	0	8	7
13-Aug-09	6:00	3.0	16.5	0	9	7
13-Aug-09	7:00	11.6	27.2	2	11	9
13-Aug-09	8:00	20.7	27.6	10	10	8
13-Aug-09	9:00	11.4	16.3	11	10	7
13-Aug-09	10:00	44.4	27.9	46	11	8
13-Aug-09	11:00	49.9	28.5	56	9	7
13-Aug-09	12:00	9.1	14.0	11	7	5
13-Aug-09	13:00	8.2	18.4	7	11	6
13-Aug-09	14:00	4.0	14.5	4	9	6
13-Aug-09	15:00	5.2	20.9	1	9	7
13-Aug-09	16:00	9.5	32.4	1	10	8
13-Aug-09	17:00	8.4	33.5	1	10	8
13-Aug-09	18:00	2.9	31.8	2	11	9
13-Aug-09	19:00	6.1	32.9	11	9	7
13-Aug-09	20:00	5.9	21.6	20	9	7
13-Aug-09	21:00	5.7	19.3	24	6	5
13-Aug-09	22:00	0.5	17.4	2	7	6
13-Aug-09	23:00				6	6
14-Aug-09	0:00	0.1	3.4	1	6	5
14-Aug-09	1:00	0.0	3.4	1	7	6
14-Aug-09	2:00	0.1	8.4	1	8	7
14-Aug-09	3:00	0.0	5.0	1	9	8
14-Aug-09	4:00	0.0	7.1	1	9	8
14-Aug-09	5:00	2.2	16.1	1	10	9
14-Aug-09	6:00	1.7	13.8	1	12	10
14-Aug-09	7:00	3.0	11.5	1	12	10
14-Aug-09	8:00	3.1	11.5	1	10	8

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
14-Aug-09	9:00	2.2	6.9	1	8	7
14-Aug-09	10:00	1.7	5.6	1	8	7
14-Aug-09	11:00	1.6	4.8	1	8	5
14-Aug-09	12:00	2.4	6.9	5	6	4
14-Aug-09	13:00	3.1	7.8	1	6	4
14-Aug-09	14:00	3.0	7.7	1	9	7
14-Aug-09	15:00	1.4	5.4	1	10	8
14-Aug-09	16:00	3.5	9.4	3	13	10
14-Aug-09	17:00	2.5	10.1	2	20	14
14-Aug-09	18:00	2.0	10.7	1	13	9
14-Aug-09	19:00	4.0	22.0	3	11	9
14-Aug-09	20:00	5.6	14.4	7	9	7
14-Aug-09	21:00	33.6	20.7	58	8	6
14-Aug-09	22:00				8	6
14-Aug-09	23:00	0.0	6.5	1	7	6
15-Aug-09	0:00	0.0	5.2	1	7	6
15-Aug-09	1:00	0.0	2.7	1	7	6
15-Aug-09	2:00	0.0	2.9	1	8	7
15-Aug-09	3:00	0.0	11.3	1	10	8
15-Aug-09	4:00	2.1	12.6	1	9	8
15-Aug-09	5:00	1.5	14.2	1	9	8
15-Aug-09	6:00	6.7	20.7	3	11	9
15-Aug-09	7:00	4.7	11.1	2	10	8
15-Aug-09	8:00	6.4	10.7	4	10	8
15-Aug-09	9:00	3.7	9.4	6	10	8
15-Aug-09	10:00	10.9	18.0	15	11	8
15-Aug-09	11:00	5.5	11.5	7	11	8
15-Aug-09	12:00	5.7	11.3	6	11	8
15-Aug-09	13:00	4.2	8.2	3	9	7
15-Aug-09	14:00	0.5	3.6	2	8	6
15-Aug-09	15:00	2.2	9.6	2	10	7
15-Aug-09	16:00	8.7	25.1	3	15	11
15-Aug-09	17:00	5.1	29.5	4	11	9
15-Aug-09	18:00	2.5	28.1	1	13	10
15-Aug-09	19:00	4.0	40.4	2	15	11
15-Aug-09	20:00	0.1	24.5	2	12	10
15-Aug-09	21:00				12	10
15-Aug-09	22:00	0.0	20.1	1	14	12
15-Aug-09	23:00	0.0	7.7	1	14	12
16-Aug-09	0:00	0.5	7.7	0	12	10
16-Aug-09	1:00	5.7	17.0	0	14	11

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
16-Aug-09	2:00	40.8	26.0	1	16	14
16-Aug-09	3:00	54.9	22.6	1	17	14
16-Aug-09	4:00	67.9	20.3	1	18	15
16-Aug-09	5:00	45.7	14.9	1	16	13
16-Aug-09	6:00	19.3	13.8	1	15	12
16-Aug-09	7:00	14.6	16.1	1	14	11
16-Aug-09	8:00	11.6	12.4	3	13	11
16-Aug-09	9:00	11.1	13.0	6	13	11
16-Aug-09	10:00	19.2	18.8	14	12	9
16-Aug-09	11:00	11.9	16.8	8	12	10
16-Aug-09	12:00	5.5	13.0	3	12	10
16-Aug-09	13:00	4.7	13.6	5	12	10
16-Aug-09	14:00	7.5	18.2	6	11	9
16-Aug-09	15:00	5.0	18.2	5	12	9
16-Aug-09	16:00	1.7	12.4	2	12	10
16-Aug-09	17:00	2.2	16.1	2	14	11
16-Aug-09	18:00	0.2	9.4	1	11	9
16-Aug-09	19:00	0.0	15.1	1	11	9
16-Aug-09	20:00				12	9
16-Aug-09	21:00	0.1	8.8	1	10	8
16-Aug-09	22:00	0.0	10.3	1	11	9
16-Aug-09	23:00	0.0	19.9	1	13	10
17-Aug-09	0:00	0.0	12.3	1	12	10
17-Aug-09	1:00	0.0	14.2	1	11	10
17-Aug-09	2:00	1.7	23.4	1	12	11
17-Aug-09	3:00	6.7	26.2	1	13	12
17-Aug-09	4:00	27.2	27.8	2	15	13
17-Aug-09	5:00	45.3	28.5	2	16	14
17-Aug-09	6:00	55.3	34.1	2	20	15
17-Aug-09	7:00	55.9	35.8	3	34	17
17-Aug-09	8:00	4.0	14.0	3	13	12
17-Aug-09	9:00	7.2	15.3	9	12	10
17-Aug-09	10:00	27.9	26.6	22	12	10
17-Aug-09	11:00	22.5	23.7	21	11	9
17-Aug-09	12:00	14.0	20.5	10	12	9
17-Aug-09	13:00	11.1	21.4	11	10	8
17-Aug-09	14:00	9.5	22.2	18	9	7
17-Aug-09	15:00	7.9	19.1	11	10	7
17-Aug-09	16:00	3.9	17.8	8	10	8
17-Aug-09	17:00	2.2	17.0	3	11	8
17-Aug-09	18:00	0.7	22.2	3	11	9

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
17-Aug-09	19:00				11	9
17-Aug-09	20:00	0.0	17.2	2	9	7
17-Aug-09	21:00	1.6	23.9	2	7	6
17-Aug-09	22:00	0.0	17.0	1	8	6
17-Aug-09	23:00	0.6	23.9	1	8	7
18-Aug-09	0:00	0.7	30.6	4	11	9
18-Aug-09	1:00	0.4	26.6	3	11	9
18-Aug-09	2:00	0.0	21.6	3	10	9
18-Aug-09	3:00	4.9	30.4	6	9	8
18-Aug-09	4:00	54.6	47.3	5	12	10
18-Aug-09	5:00	39.8	39.6	3	14	10
18-Aug-09	6:00	44.4	41.0	4	16	11
18-Aug-09	7:00	10.2	25.1	7	13	9
18-Aug-09	8:00	4.2	14.9	8	8	6
18-Aug-09	9:00	10.9	22.6	16	9	7
18-Aug-09	10:00	6.1	16.1	10	9	6
18-Aug-09	11:00	8.9	20.9	6	10	6
18-Aug-09	12:00	10.2	20.3	5	10	6
18-Aug-09	13:00	4.9	16.7	2	10	7
18-Aug-09	14:00	5.1	19.7	7	9	7
18-Aug-09	15:00	2.0	13.4	5	10	6
18-Aug-09	16:00	2.7	18.0	8	9	7
18-Aug-09	17:00	3.4	26.8	9	10	7
18-Aug-09	18:00				12	7
18-Aug-09	19:00	0.1	22.6	3	11	7
18-Aug-09	20:00	0.0	10.0	2	9	7
18-Aug-09	21:00	0.0	13.4	1	11	8
18-Aug-09	22:00	0.0	24.7	1	13	10
18-Aug-09	23:00	0.0	19.7	3	11	9
19-Aug-09	0:00	0.0	27.4	3	11	9
19-Aug-09	1:00	0.0	22.4	3	11	9
19-Aug-09	2:00	0.0	21.4	2	11	9
19-Aug-09	3:00	0.0	20.7	2	11	9
19-Aug-09	4:00	2.4	27.8	3	11	9
19-Aug-09	5:00	3.0	26.4	3	12	10
19-Aug-09	6:00	20.7	39.6	5	17	12
19-Aug-09	7:00	15.8	35.2	8	12	9
19-Aug-09	8:00	9.5	23.9	5	10	7
19-Aug-09	9:00	13.3	23.0	3	11	7
19-Aug-09	10:00	14.8	19.1	4	10	6
19-Aug-09	11:00	31.2	25.1	6	10	6

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
19-Aug-09	12:00	12.3	15.9	4	7	4
19-Aug-09	13:00	7.1	14.9	5	7	4
19-Aug-09	14:00	5.2	14.7	3	7	5
19-Aug-09	15:00	4.0	15.5	6	7	4
19-Aug-09	16:00	2.7	15.5	5	8	5
19-Aug-09	17:00				9	6
19-Aug-09	18:00	0.9	20.5	7	13	8
19-Aug-09	19:00	0.4	27.4	4	17	10
19-Aug-09	20:00	3.2	54.4	3	21	14
19-Aug-09	21:00	2.2	57.4	3	20	14
19-Aug-09	22:00	5.7	57.8	2	19	14
19-Aug-09	23:00	1.6	50.0	4	15	12
20-Aug-09	0:00	3.1	49.4	3	17	13
20-Aug-09	1:00	0.6	30.4	3	15	13
20-Aug-09	2:00	0.0	20.1	3	17	14
20-Aug-09	3:00	0.0	27.0	3	15	13
20-Aug-09	4:00	0.4	25.5	2	17	14
20-Aug-09	5:00	0.9	21.2	2	18	14
20-Aug-09	6:00	10.2	30.8	19	17	13
20-Aug-09	7:00	9.2	19.7	18	9	7
20-Aug-09	8:00	13.5	21.8	27	9	6
20-Aug-09	9:00	3.6	9.2	2	8	4
20-Aug-09	10:00	4.2	8.0	1	13	7
20-Aug-09	11:00	6.1	10.1	3	10	4
20-Aug-09	12:00	6.2	10.3	2	10	4
20-Aug-09	13:00	22.1	20.3	27	10	4
20-Aug-09	14:00	74.5	34.3	88	13	5
20-Aug-09	15:00	102.0	41.0	130	11	4
20-Aug-09	16:00				15	4
20-Aug-09	17:00	11.5	23.7	4	6	3
20-Aug-09	18:00	7.7	21.8	2	6	3
20-Aug-09	19:00	7.1	20.1	6	3	1
20-Aug-09	20:00	4.0	12.8	4	2	1
20-Aug-09	21:00	2.6	11.3	10	2	1
20-Aug-09	22:00	0.0	1.1	1	1	0
20-Aug-09	23:00	0.0	2.1	1	2	2
21-Aug-09	0:00	0.0	1.7	0	3	2
21-Aug-09	1:00	0.0	1.5	1	5	4
21-Aug-09	2:00	0.0	1.0	1	6	5
21-Aug-09	3:00	0.0	1.0	0	4	4
21-Aug-09	4:00	0.0	1.7	1	6	5

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
21-Aug-09	5:00	0.6	8.0	1	6	5
21-Aug-09	6:00	2.2	8.6	1	7	6
21-Aug-09	7:00	4.5	12.6	1	6	5
21-Aug-09	8:00	7.9	13.4	3	7	6
21-Aug-09	9:00	6.7	14.5	6	7	6
21-Aug-09	10:00	5.1	14.7	4	5	5
21-Aug-09	11:00	9.7	17.4	6	5	4
21-Aug-09	12:00	4.7	10.7	2	4	2
21-Aug-09	13:00	16.2	18.0	18	4	3
21-Aug-09	14:00	17.6	18.8	18	4	3
21-Aug-09	15:00				5	3
21-Aug-09	16:00	4.9	9.4	3	7	4
21-Aug-09	17:00	82.1	25.8	143	8	5
21-Aug-09	18:00	126.0	41.7	148	5	2
21-Aug-09	19:00	258.2	59.7	305	8	6
21-Aug-09	20:00	246.2	55.9	313	9	8
21-Aug-09	21:00	124.2	38.3	178	12	10
21-Aug-09	22:00	15.2	18.8	42	14	12
21-Aug-09	23:00	18.0	14.5	32	14	13
22-Aug-09	0:00	0.0	4.2	3	12	11
22-Aug-09	1:00	0.0	2.7	2	11	10
22-Aug-09	2:00	0.0	1.9	1	9	8
22-Aug-09	3:00	0.0	1.7	1	7	7
22-Aug-09	4:00	0.0	3.8	1	7	6
22-Aug-09	5:00	4.2	9.4	1	8	7
22-Aug-09	6:00	3.5	16.5	1	7	6
22-Aug-09	7:00	1.7	9.0	1	7	6
22-Aug-09	8:00	3.4	11.1	2	10	8
22-Aug-09	9:00	2.7	8.2	1	11	7
22-Aug-09	10:00	5.2	11.9	1	11	7
22-Aug-09	11:00	2.1	7.8	1	12	8
22-Aug-09	12:00	0.1	3.4	1	11	8
22-Aug-09	13:00	0.4	4.4	1	12	9
22-Aug-09	14:00				12	9
22-Aug-09	15:00	4.5	15.5	8	12	8
22-Aug-09	16:00	9.7	23.0	13	12	8
22-Aug-09	17:00	12.5	27.2	15	12	8
22-Aug-09	18:00	20.5	29.9	35	11	9
22-Aug-09	19:00	30.3	36.9	55	11	9
22-Aug-09	20:00	25.6	32.5	43	8	8
22-Aug-09	21:00	3.9	13.8	10	8	7

**MAML 1-HOUR DATA – ug/m<sup>3</sup>**

Date	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
22-Aug-09	22:00	46.4	32.4	78	9	8
22-Aug-09	23:00	23.6	18.6	47	9	8
23-Aug-09	0:00	0.0	2.1	2	8	7
23-Aug-09	1:00	0.0	3.1	2	7	7
23-Aug-09	2:00	0.0	2.3	1	7	7
23-Aug-09	3:00	0.0	3.1	1	10	9
23-Aug-09	4:00	0.0	2.5	1	9	9
23-Aug-09	5:00	0.4	4.8	1	7	6
23-Aug-09	6:00	0.0	3.1	1	9	7
23-Aug-09	7:00	0.5	4.0	1	8	7
23-Aug-09	8:00	1.2	5.7	1	10	8
23-Aug-09	9:00	3.2	8.8	1	11	8
23-Aug-09	10:00	1.7	6.9	1	11	7
23-Aug-09	11:00	1.4	5.0	1	10	7
23-Aug-09	12:00	2.2	8.6	1	9	6
23-Aug-09	13:00				9	5
23-Aug-09	14:00	2.1	7.3	1	12	8
23-Aug-09	15:00	2.0	8.0	3	12	9
23-Aug-09	16:00	2.1	9.6	3	16	10
23-Aug-09	17:00	1.2	9.0	1	14	10
23-Aug-09	18:00	0.5	9.0	1	12	9
23-Aug-09	19:00	0.1	6.3	1	9	8
23-Aug-09	20:00	0.0	6.5	2	11	9
23-Aug-09	21:00	0.1	7.7	1	13	11
23-Aug-09	22:00	0.0	5.7	1	12	10
23-Aug-09	23:00	0.0	5.2	1	11	10
24-Aug-09	0:00	0.0	6.3	1	11	10
24-Aug-09	1:00	0.0	3.8	1	11	10
24-Aug-09	2:00	0.0	6.5	1	11	10
24-Aug-09	3:00	0.0	6.9	1	10	9
24-Aug-09	4:00	1.2	13.2	1	12	10
24-Aug-09	5:00	10.7	18.8	1	12	10
24-Aug-09	6:00	18.7	21.8	1	14	11
24-Aug-09	7:00	8.5	14.5	3	12	10

## Appendix V. MAML 24-hour data

### MAML 24-HOUR DATA (ug/m<sup>3</sup>)

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM10	PM <sub>2.5</sub>
27-May-09	2.0	14.5	7	7	3
28-May-09	3.6	35.0	4	11	6
30-May-09	6.2	24.1	4	10	7
31-May-09	10.7	28.3	7	13	9
1-Jun-09	4.4	23.9	4	17	8
2-Jun-09	5.6	26.0	4	25	17
3-Jun-09	2.6	26.6	4	27	15
4-Jun-09	4.0	32.2	4	21	13
5-Jun-09	29.3	16.3	43	20	14
6-Jun-09	4.4	18.3	9	21	15
7-Jun-09	2.0	6.9	3	15	11
8-Jun-09	1.4	7.1	4	15	10
9-Jun-09	8.8	19.3	28	14	10
10-Jun-09	48.5	40.0	122	14	9
11-Jun-09	28.7	26.1	56	8	7
12-Jun-09	21.7	15.4	30	8	6
13-Jun-09	67.7	24.8	99	6	5
14-Jun-09	1.0	3.3	4	6	5
15-Jun-09	2.7	5.6	5	5	3
16-Jun-09	2.3	6.1	3	6	4
17-Jun-09	26.5	13.8	39	4	2
18-Jun-09	10.5	18.4	21	5	3
19-Jun-09	53.6	24.9	69	7	5
20-Jun-09	20.9	15.9	29	7	4
21-Jun-09	4.0	6.8	10	7	4
22-Jun-09	0.6	4.3	3	8	4
23-Jun-09	3.0	11.1	4	10	7
24-Jun-09	4.2	14.7	6	9	6
25-Jun-09	38.3	20.2	49	8	6
26-Jun-09	2.2	8.7	4	12	8
27-Jun-09	6.9	13.2	9	8	4
28-Jun-09	0.8	5.1	2	9	6
29-Jun-09	2.9	10.1	2	11	7
30-Jun-09	3.3	14.5	2	11	7
1-Jul-09	9.4	25.4	3	11	8
2-Jul-09	10.3	29.9	4	13	8
3-Jul-09	7.1	29.0	8	14	8
4-Jul-09	4.7	24.9	6	13	9
5-Jul-09	10.5	27.4	6	15	11

**MAML 24-HOUR DATA (ug/m<sup>3</sup>)**

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM10	PM <sub>2.5</sub>
6-Jul-09	4.6	11.0	2	8	3
7-Jul-09	3.7	13.9	3	2	2
8-Jul-09	7.8	20.3	3	4	3
9-Jul-09	10.0	20.6	4	7	5
10-Jul-09	10.2	21.8	3	9	6
11-Jul-09	14.1	22.8	15	10	7
12-Jul-09	3.3	7.3	1	9	7
13-Jul-09	5.0	10.2	1	6	3
14-Jul-09	5.1	11.8	1	7	5
15-Jul-09	7.8	12.8	2	9	6
16-Jul-09	8.1	13.4	2	8	4
17-Jul-09	30.3	17.2	26	8	4
18-Jul-09	62.6	18.8	71	6	3
19-Jul-09	1.7	6.3	1	8	5
20-Jul-09	4.3	16.6	3	8	4
21-Jul-09	10.8	21.6	3	14	8
22-Jul-09	3.2	8.3	2	10	6
23-Jul-09	4.2	8.0	3	7	4
24-Jul-09	4.4	14.0	3	7	4
25-Jul-09	12.6	27.3	13	11	7
26-Jul-09	4.6	15.9	4	10	7
27-Jul-09	8.0	21.0	9	12	8
28-Jul-09	7.1	26.4	5	21	13
29-Jul-09	9.3	31.8	6	24	17
30-Jul-09	3.6	12.5	2	18	12
31-Jul-09	2.2	6.6	1	10	7
1-Aug-09	3.3	10.9	2	10	8
2-Aug-09	3.4	16.4	3	12	9
3-Aug-09	1.3	7.3	1	12	9
4-Aug-09	1.6	8.3	1	20	17
5-Aug-09	2.3	8.9	3	17	13
6-Aug-09	9.6	19.8	15	17	14
7-Aug-09	2.4	12.9	2	11	9
8-Aug-09	4.3	21.8	7	14	12
9-Aug-09	4.3	14.7	1	4	3
10-Aug-09	2.1	18.5	2	6	5
11-Aug-09	2.7	15.6	3	6	5
12-Aug-09	5.8	12.4	2	9	6
13-Aug-09	9.5	19.7	10	9	7
14-Aug-09	3.3	9.5	4	9	8
15-Aug-09	3.2	14.7	3	11	9

---

**MAML 24-HOUR DATA (ug/m<sup>3</sup>)**

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM10	PM <sub>2.5</sub>
16-Aug-09	14.4	15.4	3	13	11
17-Aug-09	13.3	21.9	6	12	10
18-Aug-09	9.3	23.6	5	11	8
19-Aug-09	6.8	28.5	4	12	8
20-Aug-09	12.6	20.5	16	10	6
21-Aug-09	41.3	17.7	53	7	5
22-Aug-09	8.7	14.2	14	10	8
23-Aug-09	0.8	5.8	1	10	8

## Appendix VI. TOPAZ 1-hour data

### TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
26/05/2009 01:00	1:00	0.1	5.7	1.2	2
26/05/2009 02:00	2:00	0.0	4.6	1.2	1
26/05/2009 03:00	3:00	0.0	4.6	1.2	0
26/05/2009 04:00	4:00	0.0	7.5	1.2	0
26/05/2009 05:00	5:00	0.0	13.2	1.5	1
26/05/2009 06:00	6:00	0.4	9.6	1.7	1
26/05/2009 07:00	7:00	1.0	11.5	1.7	2
26/05/2009 08:00	8:00	2.9	13.0	1.7	5
26/05/2009 09:00	9:00	5.6	14.9	2.0	7
26/05/2009 10:00	10:00				
26/05/2009 11:00	11:00				
26/05/2009 12:00	12:00				
26/05/2009 13:00	13:00				1
26/05/2009 14:00	14:00				0
26/05/2009 15:00	15:00				0
26/05/2009 16:00	16:00				1
26/05/2009 17:00	17:00				2
26/05/2009 18:00	18:00	2.4	12.1	1.5	2
26/05/2009 19:00	19:00	1.4	11.5	1.5	1
26/05/2009 20:00	20:00	0.7	7.3	1.2	0
26/05/2009 21:00	21:00	0.0	9.2	1.2	1
26/05/2009 22:00	22:00	0.0	9.8	1.2	2
26/05/2009 23:00	23:00				1
26/05/2009 24:00	0:00	0.0	3.4	1.2	1
27/05/2009 01:00	1:00	0.0	1.1	1.2	0
27/05/2009 02:00	2:00	0.0	1.1	1.2	0
27/05/2009 03:00	3:00	0.0	1.3	1.2	1
27/05/2009 04:00	4:00	0.0	2.9	1.2	1
27/05/2009 05:00	5:00	0.1	8.4	1.2	2
27/05/2009 06:00	6:00	6.6	25.1	1.2	3
27/05/2009 07:00	7:00	8.7	23.5	1.7	4
27/05/2009 08:00	8:00	8.5	20.5	1.7	3
27/05/2009 09:00	9:00	10.4	23.0	2.8	6
27/05/2009 10:00	10:00	10.1	21.1	3.9	6
27/05/2009 11:00	11:00	7.1	17.0	4.4	4
27/05/2009 12:00	12:00	9.0	19.3	10.5	4
27/05/2009 13:00	13:00	12.8	16.1	14.0	3
27/05/2009 14:00	14:00	51.6	41.0	72.2	12
27/05/2009 15:00	15:00	17.2	28.9	22.7	8

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
27/05/2009 16:00	16:00	10.5	23.0	10.5	4
27/05/2009 17:00	17:00	5.5	18.0	2.0	1
27/05/2009 18:00	18:00	4.0	19.1	2.0	4
27/05/2009 19:00	19:00	2.6	21.4	1.7	2
27/05/2009 20:00	20:00	2.5	32.9	3.1	3
27/05/2009 21:00	21:00	0.9	24.9	3.9	3
27/05/2009 22:00	22:00				3
27/05/2009 23:00	23:00	0.0	27.0	2.0	3
27/05/2009 24:00	0:00	1.2	40.2	3.3	6
28/05/2009 01:00	1:00	0.4	44.2	2.3	6
28/05/2009 02:00	2:00	0.2	29.7	2.0	7
28/05/2009 03:00	3:00	0.0	22.6	2.3	6
28/05/2009 04:00	4:00	0.5	23.5	2.5	7
28/05/2009 05:00	5:00	1.6	21.8	2.5	6
28/05/2009 06:00	6:00	8.6	24.1	2.3	8
28/05/2009 07:00	7:00	9.7	20.9	2.0	6
28/05/2009 08:00	8:00	2.4	10.1	2.8	3
28/05/2009 09:00	9:00	1.1	6.3	3.1	1
28/05/2009 10:00	10:00	12.5	21.8	4.9	8
28/05/2009 11:00	11:00	1.1	6.9	3.6	4
28/05/2009 12:00	12:00	1.6	8.2	5.5	6
28/05/2009 13:00	13:00	1.2	7.7	4.4	2
28/05/2009 14:00	14:00	0.9	5.7	2.8	3
28/05/2009 15:00	15:00	30.9	50.2	23.8	18
28/05/2009 16:00	16:00	78.2	79.4	86.3	21
28/05/2009 17:00	17:00	45.0	72.7	59.5	16
28/05/2009 18:00	18:00	8.6	43.8	11.6	10
28/05/2009 19:00	19:00	5.2	48.8	12.6	8
28/05/2009 20:00	20:00	3.4	60.1	13.4	10
28/05/2009 21:00	21:00				11
28/05/2009 22:00	22:00	0.6	71.4	6.8	12
28/05/2009 23:00	23:00	8.0	87.1	8.1	17
28/05/2009 24:00	0:00	5.5	71.0	4.4	14
30/05/2009 01:00	1:00	0.0	23.9	1.0	2
30/05/2009 02:00	2:00	0.5	20.3	0.7	3
30/05/2009 03:00	3:00	2.1	19.7	1.0	4
30/05/2009 04:00	4:00	0.0	17.2	1.0	4
30/05/2009 05:00	5:00	1.0	20.7	1.0	5
30/05/2009 06:00	6:00	7.5	20.9	1.8	6
30/05/2009 07:00	7:00	4.4	13.4	2.6	6
30/05/2009 08:00	8:00	1.7	7.1	3.9	3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
30/05/2009 09:00	9:00	1.9	6.5	3.1	4
30/05/2009 10:00	10:00	2.7	9.0	3.1	4
30/05/2009 11:00	11:00	9.5	18.8	4.4	4
30/05/2009 12:00	12:00	13.5	27.2	10.0	5
30/05/2009 13:00	13:00	12.1	27.4	9.5	6
30/05/2009 14:00	14:00	12.0	28.3	6.3	5
30/05/2009 15:00	15:00	8.4	25.7	5.2	4
30/05/2009 16:00	16:00	7.6	25.5	6.0	5
30/05/2009 17:00	17:00	60.6	61.5	71.2	9
30/05/2009 18:00	18:00	78.5	77.9	116.7	15
30/05/2009 19:00	19:00				10
30/05/2009 20:00	20:00	3.0	51.1	3.6	4
30/05/2009 21:00	21:00	2.1	51.9	8.7	7
30/05/2009 22:00	22:00	10.7	65.7	18.8	8
30/05/2009 23:00	23:00	15.6	60.9	9.0	10
30/05/2009 24:00	0:00	28.9	55.5	4.4	13
31/05/2009 01:00	1:00	13.2	50.7	2.8	11
31/05/2009 02:00	2:00	8.1	43.3	2.8	10
31/05/2009 03:00	3:00	3.4	45.2	8.7	8
31/05/2009 04:00	4:00	0.7	41.0	7.4	8
31/05/2009 05:00	5:00	2.4	34.6	5.2	7
31/05/2009 06:00	6:00	6.9	32.7	5.8	10
31/05/2009 07:00	7:00	6.1	23.9	5.2	9
31/05/2009 08:00	8:00	6.5	17.2	5.5	5
31/05/2009 09:00	9:00	0.6	5.7	2.3	1
31/05/2009 10:00	10:00	0.6	5.4	2.6	2
31/05/2009 11:00	11:00	17.7	24.9	12.9	11
31/05/2009 12:00	12:00	28.1	36.4	20.1	11
31/05/2009 13:00	13:00	16.5	33.9	16.4	7
31/05/2009 14:00	14:00	9.0	28.5	9.2	6
31/05/2009 15:00	15:00	8.5	30.6	7.1	3
31/05/2009 16:00	16:00	4.4	20.7	4.7	5
31/05/2009 17:00	17:00	2.9	19.5	4.2	4
31/05/2009 18:00	18:00				8
31/05/2009 19:00	19:00	1.1	22.8	3.6	7
31/05/2009 20:00	20:00	1.1	30.8	3.1	8
31/05/2009 21:00	21:00	4.9	51.9	3.4	12
31/05/2009 22:00	22:00	3.4	53.8	3.4	10
31/05/2009 23:00	23:00	0.1	35.8	2.6	7
31/05/2009 24:00	0:00	0.2	32.0	2.0	7
01/06/2009 01:00	1:00	0.1	33.5	2.3	11

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
01/06/2009 02:00	2:00	0.5	29.5	2.6	9
01/06/2009 03:00	3:00	0.0	33.1	2.6	9
01/06/2009 04:00	4:00	0.0	22.6	2.8	9
01/06/2009 05:00	5:00	2.7	29.3	2.6	11
01/06/2009 06:00	6:00	20.8	36.9	2.6	12
01/06/2009 07:00	7:00	32.7	38.7	3.6	9
01/06/2009 08:00	8:00	6.0	26.6	4.4	6
01/06/2009 09:00	9:00	28.9	36.2	5.8	9
01/06/2009 10:00	10:00	20.7	23.4	5.8	5
01/06/2009 11:00	11:00	29.7	41.9	22.3	14
01/06/2009 12:00	12:00	20.5	42.7	28.9	10
01/06/2009 13:00	13:00	20.7	50.2	23.3	12
01/06/2009 14:00	14:00	17.5	50.2	13.2	12
01/06/2009 15:00	15:00	8.5	39.2	7.6	10
01/06/2009 16:00	16:00	5.6	34.6	6.3	10
01/06/2009 17:00	17:00				12
01/06/2009 18:00	18:00	2.9	36.6	6.3	10
01/06/2009 19:00	19:00	1.1	28.9	6.0	13
01/06/2009 20:00	20:00	0.6	39.2	4.2	9
01/06/2009 21:00	21:00	0.1	51.1	4.7	12
01/06/2009 22:00	22:00	3.9	87.7	5.0	19
01/06/2009 23:00	23:00	8.6	86.9	4.4	22
01/06/2009 24:00	0:00	11.1	76.2	4.2	19
02/06/2009 01:00	1:00	9.7	67.2	2.9	19
02/06/2009 02:00	2:00	7.5	59.7	2.1	18
02/06/2009 03:00	3:00	1.7	45.4	2.1	17
02/06/2009 04:00	4:00	0.0	14.5	1.9	10
02/06/2009 05:00	5:00	0.0	21.6	1.9	13
02/06/2009 06:00	6:00	4.7	28.3	2.7	14
02/06/2009 07:00	7:00	3.1	23.9	2.9	16
02/06/2009 08:00	8:00	3.0	20.1	2.7	19
02/06/2009 09:00	9:00	2.2	15.7	2.4	20
02/06/2009 10:00	10:00	1.1	10.3	3.7	16
02/06/2009 11:00	11:00	1.5	12.1	4.5	14
02/06/2009 12:00	12:00	0.9	10.1	6.7	11
02/06/2009 13:00	13:00	1.1	10.3	5.3	12
02/06/2009 14:00	14:00	35.2	55.5	22.3	26
02/06/2009 15:00	15:00	15.8	57.8	21.0	17
02/06/2009 16:00	16:00				0
02/06/2009 17:00	17:00	6.7	46.3	9.8	20
02/06/2009 18:00	18:00	2.0	31.6	8.0	15

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
02/06/2009 19:00	19:00	0.9	27.0	3.5	15
02/06/2009 20:00	20:00	0.4	33.9	2.4	12
02/06/2009 21:00	21:00	0.0	34.3	1.6	12
02/06/2009 22:00	22:00	1.4	51.3	1.9	15
02/06/2009 23:00	23:00	3.0	72.6	2.1	15
02/06/2009 24:00	0:00	4.0	58.8	2.7	15
03/06/2009 01:00	1:00	0.0	43.5	2.9	15
03/06/2009 02:00	2:00	0.0	30.1	2.7	15
03/06/2009 03:00	3:00	0.2	37.3	2.7	17
03/06/2009 04:00	4:00	0.0	24.9	3.7	12
03/06/2009 05:00	5:00	0.6	19.3	3.2	11
03/06/2009 06:00	6:00	1.2	21.8	5.6	13
03/06/2009 07:00	7:00	3.1	23.4	5.6	11
03/06/2009 08:00	8:00	3.1	19.9	10.1	9
03/06/2009 09:00	9:00	2.2	13.6	9.3	6
03/06/2009 10:00	10:00	1.5	9.6	6.1	9
03/06/2009 11:00	11:00	2.0	9.2	4.0	7
03/06/2009 12:00	12:00	0.5	6.7	3.5	7
03/06/2009 13:00	13:00	10.1	25.1	10.9	18
03/06/2009 14:00	14:00	31.3	75.0	47.9	25
03/06/2009 15:00	15:00				21
03/06/2009 16:00	16:00	2.9	23.4	5.3	4
03/06/2009 17:00	17:00	2.4	18.2	4.3	5
03/06/2009 18:00	18:00	14.2	66.8	41.8	17
03/06/2009 19:00	19:00	2.1	38.1	23.4	9
03/06/2009 20:00	20:00	1.1	54.6	9.3	11
03/06/2009 21:00	21:00	0.0	47.1	4.8	11
03/06/2009 22:00	22:00	3.7	78.9	5.1	18
03/06/2009 23:00	23:00	26.7	100.3	5.9	20
03/06/2009 24:00	0:00	26.4	83.3	5.3	19
04/06/2009 01:00	1:00	12.1	63.9	2.9	13
04/06/2009 02:00	2:00	3.6	61.6	2.7	15
04/06/2009 03:00	3:00	1.1	48.8	2.7	13
04/06/2009 04:00	4:00	0.0	32.9	4.5	10
04/06/2009 05:00	5:00	2.5	23.0	4.8	8
04/06/2009 06:00	6:00	7.5	24.9	2.7	10
04/06/2009 07:00	7:00	2.2	19.0	5.1	8
04/06/2009 08:00	8:00	3.1	19.3	6.1	10
04/06/2009 09:00	9:00	1.7	14.7	5.6	7
04/06/2009 10:00	10:00	1.1	9.2	2.4	11
04/06/2009 11:00	11:00	1.5	8.8	2.4	8

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
04/06/2009 12:00	12:00	17.7	55.3	22.6	23
04/06/2009 13:00	13:00	8.0	34.6	8.8	12
04/06/2009 14:00	14:00				13
04/06/2009 15:00	15:00	0.6	7.3	1.6	5
04/06/2009 16:00	16:00	1.9	14.5	5.3	7
04/06/2009 17:00	17:00	0.4	8.0	2.4	9
04/06/2009 18:00	18:00	13.1	69.5	26.1	18
04/06/2009 19:00	19:00	4.9	54.2	16.2	13
04/06/2009 20:00	20:00	1.4	42.7	7.4	10
04/06/2009 21:00	21:00	2.2	68.0	26.9	20
04/06/2009 22:00	22:00	0.4	41.4	11.4	26
04/06/2009 23:00	23:00	0.0	34.3	15.2	18
04/06/2009 24:00	0:00	0.0	14.5	8.5	15
05/06/2009 01:00	1:00	0.0	5.6	2.4	7
05/06/2009 02:00	2:00	0.0	7.5	2.1	11
05/06/2009 03:00	3:00	0.0	6.3	1.9	14
05/06/2009 04:00	4:00	0.0	14.4	4.0	13
05/06/2009 05:00	5:00	0.0	10.3	1.9	11
05/06/2009 06:00	6:00	4.5	32.5	2.4	12
05/06/2009 07:00	7:00	8.6	35.0	2.9	12
05/06/2009 08:00	8:00	9.6	33.7	12.5	14
05/06/2009 09:00	9:00	7.0	25.8	6.1	9
05/06/2009 10:00	10:00	6.7	23.4	2.4	8
05/06/2009 11:00	11:00	7.4	20.9	3.2	7
05/06/2009 12:00	12:00	7.5	18.8	3.5	8
05/06/2009 13:00	13:00				7
05/06/2009 14:00	14:00	7.7	20.9	2.1	8
05/06/2009 15:00	15:00	8.0	21.2	1.9	7
05/06/2009 16:00	16:00	3.9	14.4	1.3	6
05/06/2009 17:00	17:00	4.6	16.5	1.6	10
05/06/2009 18:00	18:00	2.6	14.9	1.6	11
05/06/2009 19:00	19:00	1.2	13.2	1.6	11
05/06/2009 20:00	20:00	0.5	12.3	1.3	7
05/06/2009 21:00	21:00	5.9	28.9	14.1	7
05/06/2009 22:00	22:00	1.5	18.2	4.5	7
05/06/2009 23:00	23:00	2.6	26.4	16.8	7
05/06/2009 24:00	0:00	9.0	33.7	23.7	10
06/06/2009 01:00	1:00	0.0	4.4	1.6	7
06/06/2009 02:00	2:00	0.0	5.6	1.6	7
06/06/2009 03:00	3:00	0.0	5.2	1.3	6
06/06/2009 04:00	4:00	0.0	5.2	1.3	7

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
06/06/2009 05:00	5:00	0.0	8.8	1.9	7
06/06/2009 06:00	6:00	0.7	17.0	3.5	9
06/06/2009 07:00	7:00	1.5	21.6	4.8	9
06/06/2009 08:00	8:00	1.9	18.4	2.9	9
06/06/2009 09:00	9:00	4.6	25.7	2.4	11
06/06/2009 10:00	10:00	4.7	19.5	2.4	11
06/06/2009 11:00	11:00	2.9	14.9	4.5	9
06/06/2009 12:00	12:00				10
06/06/2009 13:00	13:00	1.7	10.1	2.7	10
06/06/2009 14:00	14:00	2.6	11.7	2.7	7
06/06/2009 15:00	15:00	5.5	16.1	1.9	7
06/06/2009 16:00	16:00	5.0	18.0	2.4	7
06/06/2009 17:00	17:00	4.0	17.6	5.1	8
06/06/2009 18:00	18:00	8.1	26.2	15.7	10
06/06/2009 19:00	19:00	22.8	40.2	36.2	11
06/06/2009 20:00	20:00	39.8	52.6	61.2	14
06/06/2009 21:00	21:00	44.8	55.3	63.3	16
06/06/2009 22:00	22:00	10.1	38.5	17.6	9
06/06/2009 23:00	23:00	89.2	63.9	119.5	21
06/06/2009 24:00	0:00	36.8	41.5	54.5	15
07/06/2009 01:00	1:00	0.0	6.7	4.0	8
07/06/2009 02:00	2:00	0.0	5.4	3.2	7
07/06/2009 03:00	3:00	0.0	5.6	2.7	5
07/06/2009 04:00	4:00	0.0	6.3	2.4	6
07/06/2009 05:00	5:00	0.0	15.1	2.7	9
07/06/2009 06:00	6:00	0.2	15.7	2.4	5
07/06/2009 07:00	7:00	0.5	10.7	2.4	6
07/06/2009 08:00	8:00	2.1	14.9	2.9	7
07/06/2009 09:00	9:00	3.2	14.4	2.9	6
07/06/2009 10:00	10:00	6.2	15.7	3.2	7
07/06/2009 11:00	11:00				6
07/06/2009 12:00	12:00	2.1	8.8	4.0	5
07/06/2009 13:00	13:00	3.7	8.6	2.9	7
07/06/2009 14:00	14:00	4.2	11.3	3.2	7
07/06/2009 15:00	15:00	4.5	13.2	3.7	7
07/06/2009 16:00	16:00	4.4	12.3	2.7	5
07/06/2009 17:00	17:00	1.7	8.6	2.1	4
07/06/2009 18:00	18:00	1.4	8.4	2.4	5
07/06/2009 19:00	19:00	1.0	5.9	2.4	6
07/06/2009 20:00	20:00	0.4	6.1	2.1	3
07/06/2009 21:00	21:00	0.0	6.1	2.1	3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
07/06/2009 22:00	22:00	0.2	7.7	2.1	2
07/06/2009 23:00	23:00	0.0	5.6	2.1	2
07/06/2009 24:00	0:00	0.0	4.4	2.1	4
08/06/2009 01:00	1:00	0.0	2.5	1.4	3
08/06/2009 02:00	2:00	0.0	2.1	1.4	3
08/06/2009 03:00	3:00	0.0	3.4	1.7	3
08/06/2009 04:00	4:00	0.0	4.6	1.4	3
08/06/2009 05:00	5:00	0.0	5.9	1.4	3
08/06/2009 06:00	6:00	2.1	17.8	1.4	6
08/06/2009 07:00	7:00	7.2	26.8	1.7	7
08/06/2009 08:00	8:00	9.1	24.7	2.5	8
08/06/2009 09:00	9:00	13.1	29.3	3.0	10
08/06/2009 10:00	10:00				10
08/06/2009 11:00	11:00	13.6	25.7	2.2	9
08/06/2009 12:00	12:00	10.0	20.9	2.5	8
08/06/2009 13:00	13:00	8.7	20.1	1.7	8
08/06/2009 14:00	14:00	11.9	25.7	2.8	8
08/06/2009 15:00	15:00	7.0	17.8	2.0	7
08/06/2009 16:00	16:00	3.9	12.8	2.2	6
08/06/2009 17:00	17:00	7.1	20.9	2.2	7
08/06/2009 18:00	18:00	7.4	25.8	13.1	8
08/06/2009 19:00	19:00	4.1	26.2	12.1	6
08/06/2009 20:00	20:00	4.6	39.6	7.6	6
08/06/2009 21:00	21:00	1.1	32.5	12.9	5
08/06/2009 22:00	22:00	0.2	17.8	12.1	3
08/06/2009 23:00	23:00	0.1	13.0	7.8	5
08/06/2009 24:00	0:00	0.0	8.0	2.5	5
09/06/2009 01:00	1:00	0.0	5.7	2.2	5
09/06/2009 02:00	2:00	0.0	8.6	3.8	4
09/06/2009 03:00	3:00	0.0	8.8	2.0	3
09/06/2009 04:00	4:00	0.0	10.5	0.9	4
09/06/2009 05:00	5:00	0.5	16.3	2.2	5
09/06/2009 06:00	6:00	1.9	15.7	4.6	6
09/06/2009 07:00	7:00	4.1	18.6	5.4	7
09/06/2009 08:00	8:00	4.9	19.1	4.1	10
09/06/2009 09:00	9:00				9
09/06/2009 10:00	10:00	18.1	27.0	6.5	11
09/06/2009 11:00	11:00	21.7	32.0	6.8	12
09/06/2009 12:00	12:00	23.5	31.2	10.2	9
09/06/2009 13:00	13:00	12.2	25.5	7.3	10
09/06/2009 14:00	14:00	8.4	23.7	6.2	10

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
09/06/2009 15:00	15:00	8.7	27.4	14.7	9
09/06/2009 16:00	16:00	8.6	23.5	12.6	6
09/06/2009 17:00	17:00	6.6	17.2	5.7	4
09/06/2009 18:00	18:00	4.7	18.2	4.1	5
09/06/2009 19:00	19:00	1.7	14.0	2.2	4
09/06/2009 20:00	20:00	1.2	19.1	3.3	5
09/06/2009 21:00	21:00	0.0	13.0	2.0	5
09/06/2009 22:00	22:00	0.0	10.5	1.7	5
09/06/2009 23:00	23:00	0.0	6.7	2.0	5
09/06/2009 24:00	0:00	0.0	11.3	5.4	5
10/06/2009 01:00	1:00	0.0	17.8	16.6	7
10/06/2009 02:00	2:00	0.0	4.0	2.5	5
10/06/2009 03:00	3:00	0.0	4.0	2.0	5
10/06/2009 04:00	4:00	0.0	5.6	2.8	5
10/06/2009 05:00	5:00	0.7	10.3	2.0	6
10/06/2009 06:00	6:00	3.1	22.8	1.7	7
10/06/2009 07:00	7:00	10.9	29.1	2.2	11
10/06/2009 08:00	8:00				14
10/06/2009 09:00	9:00	7.7	17.6	4.9	11
10/06/2009 10:00	10:00	14.7	21.4	13.9	10
10/06/2009 11:00	11:00	56.8	46.5	95.1	14
10/06/2009 12:00	12:00	9.1	18.8	5.4	3
10/06/2009 13:00	13:00	6.1	16.1	2.2	4
10/06/2009 14:00	14:00	4.5	12.1	2.2	4
10/06/2009 15:00	15:00	6.7	17.2	2.2	9
10/06/2009 16:00	16:00	6.5	19.3	2.2	6
10/06/2009 17:00	17:00	5.5	17.2	2.0	7
10/06/2009 18:00	18:00	2.1	12.8	2.0	6
10/06/2009 19:00	19:00	1.1	12.4	2.5	6
10/06/2009 20:00	20:00	1.0	12.6	2.8	5
10/06/2009 21:00	21:00	0.4	11.3	2.5	6
10/06/2009 22:00	22:00	0.9	12.4	2.5	5
10/06/2009 23:00	23:00	0.0	7.5	2.2	4
10/06/2009 24:00	0:00	0.0	5.6	2.0	3
11/06/2009 01:00	1:00	0.0	2.7	2.0	2
11/06/2009 02:00	2:00	0.0	3.6	1.7	3
11/06/2009 03:00	3:00	0.0	3.1	1.4	1
11/06/2009 04:00	4:00	0.0	4.0	1.7	2
11/06/2009 05:00	5:00	0.9	11.7	1.4	3
11/06/2009 06:00	6:00	3.7	19.5	2.0	3
11/06/2009 07:00	7:00				5

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
11/06/2009 08:00	8:00	12.8	26.2	2.5	7
11/06/2009 09:00	9:00	8.2	17.8	3.8	7
11/06/2009 10:00	10:00	9.0	17.2	2.2	7
11/06/2009 11:00	11:00	6.1	14.0	2.0	5
11/06/2009 12:00	12:00	6.1	14.0	3.3	6
11/06/2009 13:00	13:00	6.5	15.7	2.0	5
11/06/2009 14:00	14:00	4.9	14.7	3.0	6
11/06/2009 15:00	15:00	5.1	15.7	1.7	9
11/06/2009 16:00	16:00	5.9	17.6	3.3	8
11/06/2009 17:00	17:00	9.2	23.4	9.4	9
11/06/2009 18:00	18:00	3.9	16.7	5.4	7
11/06/2009 19:00	19:00	1.5	13.0	2.8	10
11/06/2009 20:00	20:00	1.4	12.8	2.8	9
11/06/2009 21:00	21:00	1.5	12.6	2.0	7
11/06/2009 22:00	22:00	0.5	13.6	2.0	8
11/06/2009 23:00	23:00	0.0	9.8	1.7	7
11/06/2009 24:00	0:00	0.0	5.6	1.7	5
12/06/2009 01:00	1:00	0.0	3.8	1.7	5
12/06/2009 02:00	2:00	0.0	4.0	1.4	5
12/06/2009 03:00	3:00	0.0	5.9	1.4	6
12/06/2009 04:00	4:00	0.0	5.9	1.2	5
12/06/2009 05:00	5:00	0.1	10.1	1.4	6
12/06/2009 06:00	6:00				6
12/06/2009 07:00	7:00	9.1	24.9	2.2	7
12/06/2009 08:00	8:00	8.4	21.4	2.2	7
12/06/2009 09:00	9:00	8.0	18.8	2.5	8
12/06/2009 10:00	10:00	6.7	16.7	2.2	7
12/06/2009 11:00	11:00	9.0	19.0	2.5	6
12/06/2009 12:00	12:00	4.5	12.8	2.5	7
12/06/2009 13:00	13:00	5.0	14.4	2.5	7
12/06/2009 14:00	14:00	6.4	14.4	2.2	5
12/06/2009 15:00	15:00	5.7	14.0	2.2	4
12/06/2009 16:00	16:00	4.7	13.0	2.0	4
12/06/2009 17:00	17:00	8.7	18.4	10.0	3
12/06/2009 18:00	18:00	3.6	13.4	4.4	4
12/06/2009 19:00	19:00	1.9	12.4	2.5	6
12/06/2009 20:00	20:00	0.7	13.2	2.5	5
12/06/2009 21:00	21:00	1.1	21.1	2.2	6
12/06/2009 22:00	22:00	1.9	18.6	2.8	5
12/06/2009 23:00	23:00	0.2	14.0	2.2	5
12/06/2009 24:00	0:00	0.0	9.8	1.7	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
13/06/2009 01:00	1:00	0.0	7.1	1.2	4
13/06/2009 02:00	2:00	0.0	5.6	1.2	3
13/06/2009 03:00	3:00	0.0	4.2	0.9	2
13/06/2009 04:00	4:00	0.0	7.3	0.9	2
13/06/2009 05:00	5:00				3
13/06/2009 06:00	6:00	1.4	13.8	0.9	3
13/06/2009 07:00	7:00	4.2	14.5	1.2	4
13/06/2009 08:00	8:00	7.0	15.5	1.5	4
13/06/2009 09:00	9:00	4.1	9.2	1.5	4
13/06/2009 10:00	10:00	5.4	11.5	1.5	4
13/06/2009 11:00	11:00	6.0	12.4	1.7	5
13/06/2009 12:00	12:00	2.5	8.2	1.5	3
13/06/2009 13:00	13:00	3.5	10.3	1.5	3
13/06/2009 14:00	14:00	3.2	9.2	1.5	4
13/06/2009 15:00	15:00	2.9	8.2	1.5	4
13/06/2009 16:00	16:00	2.1	8.2	1.5	2
13/06/2009 17:00	17:00	1.9	8.4	1.7	6
13/06/2009 18:00	18:00	1.7	8.0	1.7	5
13/06/2009 19:00	19:00	0.7	7.7	1.2	3
13/06/2009 20:00	20:00	0.7	6.7	1.2	3
13/06/2009 21:00	21:00	0.9	8.4	1.2	5
13/06/2009 22:00	22:00	0.6	8.2	0.9	3
13/06/2009 23:00	23:00	0.1	6.9	0.9	2
13/06/2009 24:00	0:00	0.0	4.2	1.2	1
14/06/2009 01:00	1:00	0.0	3.4	0.9	2
14/06/2009 02:00	2:00	0.0	1.9	1.2	2
14/06/2009 03:00	3:00	0.0	1.5	1.2	2
14/06/2009 04:00	4:00				2
14/06/2009 05:00	5:00	0.0	1.9	0.9	3
14/06/2009 06:00	6:00	0.0	2.7	0.9	3
14/06/2009 07:00	7:00	0.4	3.6	0.9	4
14/06/2009 08:00	8:00	0.9	3.8	0.9	3
14/06/2009 09:00	9:00	1.5	5.2	1.2	4
14/06/2009 10:00	10:00	2.4	6.9	1.5	5
14/06/2009 11:00	11:00	1.7	5.4	1.2	3
14/06/2009 12:00	12:00	2.1	5.9	1.7	5
14/06/2009 13:00	13:00	1.7	6.1	1.5	4
14/06/2009 14:00	14:00	1.9	6.1	1.5	3
14/06/2009 15:00	15:00	2.7	7.7	1.2	3
14/06/2009 16:00	16:00	1.1	5.0	1.5	2
14/06/2009 17:00	17:00	1.7	6.5	1.7	2

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
14/06/2009 18:00	18:00	0.9	7.3	1.5	4
14/06/2009 19:00	19:00	0.6	6.1	1.5	4
14/06/2009 20:00	20:00	0.4	6.1	1.5	4
14/06/2009 21:00	21:00	0.2	6.7	1.2	4
14/06/2009 22:00	22:00	0.4	6.3	1.2	3
14/06/2009 23:00	23:00	0.0	4.6	1.2	2
14/06/2009 24:00	0:00	0.0	3.3	1.2	1
15/06/2009 01:00	1:00	0.0	3.3	1.2	1
15/06/2009 02:00	2:00	0.0	2.1	1.2	2
15/06/2009 03:00	3:00				1
15/06/2009 04:00	4:00	0.0	3.1	0.9	1
15/06/2009 05:00	5:00	0.9	7.8	1.2	2
15/06/2009 06:00	6:00	5.2	16.7	1.2	3
15/06/2009 07:00	7:00	11.6	21.2	2.0	4
15/06/2009 08:00	8:00	11.1	18.8	1.7	7
15/06/2009 09:00	9:00	8.1	14.2	1.7	6
15/06/2009 10:00	10:00	5.4	11.3	1.5	3
15/06/2009 11:00	11:00	1.4	4.0	0.9	4
15/06/2009 12:00	12:00	6.0	11.3	5.2	4
15/06/2009 13:00	13:00	5.5	12.6	4.7	2
15/06/2009 14:00	14:00	5.4	10.7	1.7	3
15/06/2009 15:00	15:00	6.5	11.9	1.7	2
15/06/2009 16:00	16:00	8.4	13.8	4.1	0
15/06/2009 17:00	17:00	6.1	12.8	6.3	2
15/06/2009 18:00	18:00	6.5	17.2	13.2	4
15/06/2009 19:00	19:00	3.0	13.2	6.5	2
15/06/2009 20:00	20:00	1.0	7.3	1.7	0
15/06/2009 21:00	21:00	1.5	11.9	1.2	1
15/06/2009 22:00	22:00	0.7	13.4	3.3	0
15/06/2009 23:00	23:00	0.0	5.0	1.7	0
15/06/2009 24:00	0:00	0.0	4.2	0.9	0
16/06/2009 01:00	1:00	0.0	4.2	1.4	0
16/06/2009 02:00	2:00				0
16/06/2009 03:00	3:00	0.0	5.9	1.4	0
16/06/2009 04:00	4:00	0.0	11.5	1.1	0
16/06/2009 05:00	5:00	1.2	10.7	1.9	1
16/06/2009 06:00	6:00	6.6	22.8	2.2	4
16/06/2009 07:00	7:00	12.5	20.7	2.4	5
16/06/2009 08:00	8:00	36.4	30.6	4.6	6
16/06/2009 09:00	9:00	33.1	29.3	3.5	6
16/06/2009 10:00	10:00	10.5	14.7	2.4	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
16/06/2009 11:00	11:00	6.4	11.1	2.2	2
16/06/2009 12:00	12:00	6.2	11.9	2.2	0
16/06/2009 13:00	13:00	9.9	16.7	2.2	5
16/06/2009 14:00	14:00	11.9	21.2	3.5	7
16/06/2009 15:00	15:00	11.4	21.1	2.4	4
16/06/2009 16:00	16:00	6.7	17.0	2.2	4
16/06/2009 17:00	17:00	7.4	20.1	2.2	3
16/06/2009 18:00	18:00	3.9	17.6	1.9	5
16/06/2009 19:00	19:00	2.5	12.4	1.9	4
16/06/2009 20:00	20:00	1.4	11.5	1.6	2
16/06/2009 21:00	21:00	0.5	12.3	1.6	2
16/06/2009 22:00	22:00	0.2	9.6	1.6	0
16/06/2009 23:00	23:00	0.2	8.6	1.6	0
16/06/2009 24:00	0:00				0
17/06/2009 01:00	1:00	0.0	4.0	1.1	0
17/06/2009 02:00	2:00	0.0	4.8	1.4	4
17/06/2009 03:00	3:00	0.0	2.7	1.4	2
17/06/2009 04:00	4:00	0.0	5.7	1.4	0
17/06/2009 05:00	5:00	0.2	6.9	1.4	1
17/06/2009 06:00	6:00	2.7	14.0	1.4	1
17/06/2009 07:00	7:00	8.5	21.4	1.9	4
17/06/2009 08:00	8:00	9.9	22.0	1.9	4
17/06/2009 09:00	9:00	11.0	19.3	1.9	3
17/06/2009 10:00	10:00	13.0	21.2	5.6	3
17/06/2009 11:00	11:00	12.3	19.7	2.4	4
17/06/2009 12:00	12:00	12.6	17.8	5.9	0
17/06/2009 13:00	13:00	17.7	19.9	24.5	3
17/06/2009 14:00	14:00	18.0	19.1	24.8	4
17/06/2009 15:00	15:00	35.6	30.8	48.5	5
17/06/2009 16:00	16:00	21.2	23.7	22.7	3
17/06/2009 17:00	17:00	4.1	7.8	2.2	0
17/06/2009 18:00	18:00	3.2	7.8	1.9	0
17/06/2009 19:00	19:00	2.4	7.1	1.6	0
17/06/2009 20:00	20:00	1.6	7.5	1.4	0
17/06/2009 21:00	21:00	0.6	5.4	1.4	1
17/06/2009 22:00	22:00	1.4	8.2	1.4	0
17/06/2009 23:00	23:00				0
17/06/2009 24:00	0:00	0.2	5.9	1.6	0
18/06/2009 01:00	1:00	0.1	7.3	1.4	0
18/06/2009 02:00	2:00	0.0	6.9	1.4	0
18/06/2009 03:00	3:00	0.0	8.6	1.6	0

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
18/06/2009 04:00	4:00	0.2	9.6	1.4	0
18/06/2009 05:00	5:00	1.5	13.0	1.4	0
18/06/2009 06:00	6:00	5.6	16.5	1.6	2
18/06/2009 07:00	7:00	14.8	22.8	2.2	2
18/06/2009 08:00	8:00	17.1	26.4	2.2	2
18/06/2009 09:00	9:00	15.1	20.7	2.4	3
18/06/2009 10:00	10:00	12.2	17.6	3.2	0
18/06/2009 11:00	11:00				0
18/06/2009 12:00	12:00	17.2	26.2	13.1	4
18/06/2009 13:00	13:00	13.3	21.6	11.2	0
18/06/2009 14:00	14:00	17.3	29.1	17.9	4
18/06/2009 15:00	15:00	16.1	25.7	14.7	5
18/06/2009 16:00	16:00	36.3	39.6	40.0	5
18/06/2009 17:00	17:00	23.2	29.5	23.2	3
18/06/2009 18:00	18:00	19.5	40.0	24.0	5
18/06/2009 19:00	19:00	9.1	29.7	13.1	1
18/06/2009 20:00	20:00	2.0	12.8	2.4	0
18/06/2009 21:00	21:00	0.4	8.2	2.2	0
18/06/2009 22:00	22:00	0.4	12.4	2.2	0
18/06/2009 23:00	23:00	0.2	9.4	2.2	1
18/06/2009 24:00	0:00	0.1	10.0	1.9	0
19/06/2009 01:00	1:00	0.0	2.3	1.9	0
19/06/2009 02:00	2:00	0.0	3.3	1.9	6
19/06/2009 03:00	3:00	0.0	6.9	1.9	5
19/06/2009 04:00	4:00	0.0	6.1	2.2	2
19/06/2009 05:00	5:00	0.2	13.2	3.0	0
19/06/2009 06:00	6:00	2.9	21.2	3.0	3
19/06/2009 07:00	7:00	15.6	28.7	3.8	5
19/06/2009 08:00	8:00	24.9	34.3	6.2	10
19/06/2009 09:00	9:00	12.3	19.7	3.8	2
19/06/2009 10:00	10:00				1
19/06/2009 11:00	11:00	6.2	12.8	2.4	0
19/06/2009 12:00	12:00	8.1	13.6	2.4	0
19/06/2009 13:00	13:00	6.4	13.0	2.2	0
19/06/2009 14:00	14:00	5.2	15.7	2.2	2
19/06/2009 15:00	15:00	5.4	14.5	1.9	2
19/06/2009 16:00	16:00	4.9	13.4	2.2	0
19/06/2009 17:00	17:00	3.1	8.6	2.2	2
19/06/2009 18:00	18:00	1.9	8.0	1.9	4
19/06/2009 19:00	19:00	1.5	6.9	1.9	0
19/06/2009 20:00	20:00	1.1	5.9	2.2	1

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
19/06/2009 21:00	21:00	1.1	6.1	1.9	3
19/06/2009 22:00	22:00	1.0	5.9	1.6	3
19/06/2009 23:00	23:00	0.2	6.7	2.2	5
19/06/2009 24:00	0:00	0.0	6.1	3.0	4
20/06/2009 01:00	1:00	0.0	5.7	2.7	3
20/06/2009 02:00	2:00	0.0	4.4	2.4	2
20/06/2009 03:00	3:00	0.0	2.9	2.2	3
20/06/2009 04:00	4:00	0.0	2.7	1.9	2
20/06/2009 05:00	5:00	0.0	3.1	1.9	2
20/06/2009 06:00	6:00	1.0	7.1	1.9	1
20/06/2009 07:00	7:00	2.9	10.1	1.9	1
20/06/2009 08:00	8:00	3.0	8.2		1
20/06/2009 09:00	9:00				3
20/06/2009 10:00	10:00	4.6	9.2	2.4	0
20/06/2009 11:00	11:00	4.7	12.4	2.4	0
20/06/2009 12:00	12:00	4.6	16.1	2.2	2
20/06/2009 13:00	13:00	3.5	12.4	2.2	1
20/06/2009 14:00	14:00	3.7	9.2	2.2	1
20/06/2009 15:00	15:00	3.9	7.8	1.9	0
20/06/2009 16:00	16:00	3.9	10.0	3.5	1
20/06/2009 17:00	17:00	4.2	13.4	3.2	3
20/06/2009 18:00	18:00	3.7	11.9	2.2	3
20/06/2009 19:00	19:00	1.7	11.3	2.7	5
20/06/2009 20:00	20:00	1.1	9.8	2.4	3
20/06/2009 21:00	21:00	1.0	10.5	2.2	4
20/06/2009 22:00	22:00	0.4	8.8	1.9	2
20/06/2009 23:00	23:00	0.7	9.4	1.9	1
20/06/2009 24:00	0:00	0.0	6.3	2.4	3
21/06/2009 01:00	1:00	0.0	6.7	2.7	3
21/06/2009 02:00	2:00	0.1	5.4	2.2	4
21/06/2009 03:00	3:00	0.0	3.4	1.9	4
21/06/2009 04:00	4:00	0.0	2.9	2.4	4
21/06/2009 05:00	5:00	0.0	4.0	2.2	3
21/06/2009 06:00	6:00	0.0	5.4	2.4	3
21/06/2009 07:00	7:00	0.7	7.3	1.9	2
21/06/2009 08:00	8:00				4
21/06/2009 09:00	9:00	3.1	9.2	1.9	4
21/06/2009 10:00	10:00	0.7	4.0	1.9	4
21/06/2009 11:00	11:00	1.4	4.6	2.4	3
21/06/2009 12:00	12:00	2.9	6.3	3.8	
21/06/2009 13:00	13:00	4.2	7.1	3.8	0

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
21/06/2009 14:00	14:00	2.7	5.7	1.9	1
21/06/2009 15:00	15:00	2.9	4.6	1.6	0
21/06/2009 16:00	16:00	2.1	5.0	1.6	2
21/06/2009 17:00	17:00	1.6	3.6	1.4	1
21/06/2009 18:00	18:00	1.2	3.8	1.6	2
21/06/2009 19:00	19:00	0.9	2.9	1.4	0
21/06/2009 20:00	20:00	0.6	3.4	1.4	6
21/06/2009 21:00	21:00	0.1	2.9	1.4	5
21/06/2009 22:00	22:00	0.0	2.5	1.4	6
21/06/2009 23:00	23:00	0.1	4.0	1.4	4
21/06/2009 24:00	0:00	0.0	3.1	1.6	4
22/06/2009 01:00	1:00	0.0	3.3	1.9	4
22/06/2009 02:00	2:00	0.0	0.4	1.4	2
22/06/2009 03:00	3:00	0.0	0.4	1.4	2
22/06/2009 04:00	4:00	0.0	0.8	1.4	2
22/06/2009 05:00	5:00	0.4	3.1	1.4	2
22/06/2009 06:00	6:00	5.0	18.0	1.9	5
22/06/2009 07:00	7:00				5
22/06/2009 08:00	8:00	8.5	19.3	2.2	5
22/06/2009 09:00	9:00	9.6	17.8	2.7	3
22/06/2009 10:00	10:00	4.6	9.2	1.6	0
22/06/2009 11:00	11:00	5.4	10.3	1.6	
22/06/2009 12:00	12:00	4.9	9.6	1.4	
22/06/2009 13:00	13:00	4.9	9.8	1.4	
22/06/2009 14:00	14:00	5.7	11.1	1.4	
22/06/2009 15:00	15:00	6.6	13.6	1.4	
22/06/2009 16:00	16:00	4.6	11.7	1.4	
22/06/2009 17:00	17:00	3.9	11.1	1.4	
22/06/2009 18:00	18:00	2.2	7.5	1.4	
22/06/2009 19:00	19:00	1.5	7.3	1.1	
22/06/2009 20:00	20:00	0.7	8.4	1.4	
22/06/2009 21:00	21:00	1.2	15.7	1.6	
22/06/2009 22:00	22:00	0.1	7.8	1.4	
22/06/2009 23:00	23:00	0.0	8.4	1.4	
22/06/2009 24:00	0:00	0.0	3.6	1.4	
23/06/2009 01:00	1:00	0.0	2.1	1.4	
23/06/2009 02:00	2:00	0.0	2.7	1.4	
23/06/2009 03:00	3:00	0.0	4.2	1.4	
23/06/2009 04:00	4:00	0.0	7.8	1.4	
23/06/2009 05:00	5:00	3.0	18.2	1.4	
23/06/2009 06:00	6:00				

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
23/06/2009 07:00	7:00	8.7	17.8	1.9	
23/06/2009 08:00	8:00	3.0	8.6	2.2	
23/06/2009 09:00	9:00	3.4	7.8	2.2	
23/06/2009 10:00	10:00	1.7	5.7	2.2	
23/06/2009 11:00	11:00	1.1	4.6	2.4	
23/06/2009 12:00	12:00	5.0	11.5	2.7	
23/06/2009 13:00	13:00	11.1	21.4	5.6	
23/06/2009 14:00	14:00	9.6	20.7	4.6	
23/06/2009 15:00	15:00	8.6	19.1	3.2	
23/06/2009 16:00	16:00	6.2	16.5	2.2	
23/06/2009 17:00	17:00	5.9	17.2	2.2	
23/06/2009 18:00	18:00	4.4	18.6	2.2	
23/06/2009 19:00	19:00	1.6	16.5	1.9	
23/06/2009 20:00	20:00	4.9	33.5	4.3	
23/06/2009 21:00	21:00	0.9	17.8	2.2	
23/06/2009 22:00	22:00	0.7	28.5	2.4	
23/06/2009 23:00	23:00	0.0	23.4	2.7	
23/06/2009 24:00	0:00	0.0	18.2	3.2	
24/06/2009 01:00	1:00	0.0	8.8	2.2	
24/06/2009 02:00	2:00	0.0	10.3	2.2	
24/06/2009 03:00	3:00	0.0	7.7	2.2	
24/06/2009 04:00	4:00	0.0	10.9	3.2	
24/06/2009 05:00	5:00				
24/06/2009 06:00	6:00	0.0	10.9	3.0	
24/06/2009 07:00	7:00	3.4	18.8	3.2	
24/06/2009 08:00	8:00	9.4	29.1	3.8	
24/06/2009 09:00	9:00	28.4	40.0	4.6	
24/06/2009 10:00	10:00	17.6	32.4	3.5	
24/06/2009 11:00	11:00	8.1	15.7	2.7	
24/06/2009 12:00	12:00	20.2	28.5	4.0	6
24/06/2009 13:00	13:00	10.0	20.1	4.0	9
24/06/2009 14:00	14:00	8.4	17.0	4.0	7
24/06/2009 15:00	15:00	30.4	36.0	9.4	11
24/06/2009 16:00	16:00	25.1	36.2	11.5	12
24/06/2009 17:00	17:00	9.5	16.1	5.6	2
24/06/2009 18:00	18:00	2.7	6.9	2.4	0
24/06/2009 19:00	19:00	2.0	6.5	2.2	0
24/06/2009 20:00	20:00	1.6	5.0	2.2	1
24/06/2009 21:00	21:00	1.1	6.5	2.2	1
24/06/2009 22:00	22:00	0.6	4.8	1.6	1
24/06/2009 23:00	23:00	0.4	5.9	1.9	1

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
24/06/2009 24:00	0:00	0.0	5.4	1.9	3
25/06/2009 01:00	1:00	0.0	9.4	3.0	3
25/06/2009 02:00	2:00	0.1	16.1	4.3	5
25/06/2009 03:00	3:00	0.0	1.9	2.2	1
25/06/2009 04:00	4:00				1
25/06/2009 05:00	5:00	0.0	9.6	1.4	2
25/06/2009 06:00	6:00	3.1	21.8	2.4	2
25/06/2009 07:00	7:00	11.4	28.9	5.1	4
25/06/2009 08:00	8:00	14.1	25.3	6.2	5
25/06/2009 09:00	9:00	11.0	24.9	4.3	4
25/06/2009 10:00	10:00	15.5	22.6	6.2	6
25/06/2009 11:00	11:00	12.0	18.0	6.2	6
25/06/2009 12:00	12:00	8.4	12.4	2.2	5
25/06/2009 13:00	13:00	9.6	14.4	1.9	5
25/06/2009 14:00	14:00	7.1	10.9	1.6	2
25/06/2009 15:00	15:00	6.2	10.1	1.6	2
25/06/2009 16:00	16:00	5.4	10.1	1.9	5
25/06/2009 17:00	17:00	3.6	8.0	1.9	5
25/06/2009 18:00	18:00	2.2	6.1	1.9	5
25/06/2009 19:00	19:00	0.9	5.0	1.6	4
25/06/2009 20:00	20:00	1.4	7.1	1.9	5
25/06/2009 21:00	21:00	0.6	6.7	1.6	5
25/06/2009 22:00	22:00	0.5	7.3	1.4	4
25/06/2009 23:00	23:00	0.4	5.2	1.1	5
25/06/2009 24:00	0:00	0.4	5.7	1.6	5
26/06/2009 01:00	1:00	0.1	7.3	2.2	5
26/06/2009 02:00	2:00	0.0	5.0	2.2	6
26/06/2009 03:00	3:00				6
26/06/2009 04:00	4:00	0.4	10.0	1.6	6
26/06/2009 05:00	5:00	0.6	15.7	1.4	6
26/06/2009 06:00	6:00	8.0	28.5	1.9	8
26/06/2009 07:00	7:00	18.1	29.9	2.2	8
26/06/2009 08:00	8:00	7.0	17.4	1.9	7
26/06/2009 09:00	9:00	1.1	4.2	1.1	5
26/06/2009 10:00	10:00	2.4	5.6	1.6	6
26/06/2009 11:00	11:00	4.1	7.5	1.4	6
26/06/2009 12:00	12:00	3.0	5.9	1.4	4
26/06/2009 13:00	13:00	6.4	10.9	1.9	5
26/06/2009 14:00	14:00	3.7	7.7	1.6	4
26/06/2009 15:00	15:00	5.6	9.8	2.4	8
26/06/2009 16:00	16:00	7.6	14.5	3.8	10

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
26/06/2009 17:00	17:00	4.4	11.3	3.5	6
26/06/2009 18:00	18:00	4.5	11.5	4.3	5
26/06/2009 19:00	19:00	3.2	13.0	1.9	5
26/06/2009 20:00	20:00	4.2	25.5	9.6	5
26/06/2009 21:00	21:00	3.2	26.4	13.4	4
26/06/2009 22:00	22:00	2.6	26.8	12.0	4
26/06/2009 23:00	23:00	8.9	37.9	28.3	7
26/06/2009 24:00	0:00	0.4	8.0	2.7	4
27/06/2009 01:00	1:00	0.0	4.8	1.4	4
27/06/2009 02:00	2:00				2
27/06/2009 03:00	3:00	0.0	7.3	1.1	3
27/06/2009 04:00	4:00	0.0	4.8	1.1	3
27/06/2009 05:00	5:00	0.7	10.9	1.1	4
27/06/2009 06:00	6:00	3.1	13.2	1.1	5
27/06/2009 07:00	7:00	2.7	7.5	1.1	3
27/06/2009 08:00	8:00	3.7	8.6	1.4	5
27/06/2009 09:00	9:00	8.1	14.7	2.4	5
27/06/2009 10:00	10:00	7.6	14.2	3.8	5
27/06/2009 11:00	11:00	8.4	16.1	3.5	3
27/06/2009 12:00	12:00	6.4	13.8	3.0	4
27/06/2009 13:00	13:00	5.9	12.4	2.4	5
27/06/2009 14:00	14:00	5.4	12.1	1.9	4
27/06/2009 15:00	15:00	3.6	8.6	1.6	3
27/06/2009 16:00	16:00	8.1	15.5	11.0	6
27/06/2009 17:00	17:00	16.8	28.1	24.8	9
27/06/2009 18:00	18:00	0.5	10.1	2.4	9
27/06/2009 19:00	19:00	11.6	22.0	11.5	7
27/06/2009 20:00	20:00	0.6	10.3	1.9	6
27/06/2009 21:00	21:00	3.5	12.3	2.2	3
27/06/2009 22:00	22:00	33.2	41.4	32.2	6
27/06/2009 23:00	23:00	9.4	25.7	11.8	2
27/06/2009 24:00	0:00				0
28/06/2009 01:00	1:00	0.7	10.5	1.9	0
28/06/2009 02:00	2:00	0.0	2.9	1.1	0
28/06/2009 03:00	3:00	0.0	2.7	1.4	1
28/06/2009 04:00	4:00	0.0	2.1	1.1	2
28/06/2009 05:00	5:00	0.0	2.5	0.8	5
28/06/2009 06:00	6:00	0.4	4.4	1.1	5
28/06/2009 07:00	7:00	1.7	6.3	1.4	5
28/06/2009 08:00	8:00	1.5	3.8	1.1	5
28/06/2009 09:00	9:00	2.6	6.1	1.1	7

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
28/06/2009 10:00	10:00	3.1	6.9	2.4	6
28/06/2009 11:00	11:00	3.2	6.7	2.2	4
28/06/2009 12:00	12:00	1.7	5.4	1.4	2
28/06/2009 13:00	13:00	2.2	5.7	1.4	1
28/06/2009 14:00	14:00	1.9	5.2	1.1	0
28/06/2009 15:00	15:00	2.7	7.3	1.4	1
28/06/2009 16:00	16:00	2.1	5.9	1.4	0
28/06/2009 17:00	17:00	2.5	7.1	1.4	1
28/06/2009 18:00	18:00	1.4	6.1	1.4	5
28/06/2009 19:00	19:00	1.1	8.0	1.4	5
28/06/2009 20:00	20:00	0.7	8.8	1.1	5
28/06/2009 21:00	21:00	0.6	10.3	1.4	5
28/06/2009 22:00	22:00	0.5	10.9	1.4	4
28/06/2009 23:00	23:00				5
28/06/2009 24:00	0:00	0.0	11.5	1.4	4
29/06/2009 01:00	1:00	0.0	7.3	1.4	4
29/06/2009 02:00	2:00	0.0	7.1	1.4	4
29/06/2009 03:00	3:00	0.0	11.3	1.1	4
29/06/2009 04:00	4:00	0.0	16.5	1.1	4
29/06/2009 05:00	5:00	6.0	16.3	1.6	4
29/06/2009 06:00	6:00	29.4	19.0	2.7	8
29/06/2009 07:00	7:00	36.4	25.8	3.0	8
29/06/2009 08:00	8:00	5.9	12.1	2.4	6
29/06/2009 09:00	9:00	17.6	20.9	2.4	7
29/06/2009 10:00	10:00	5.0	10.7	2.2	4
29/06/2009 11:00	11:00	5.0	11.1	2.4	3
29/06/2009 12:00	12:00	3.4	8.4	2.2	2
29/06/2009 13:00	13:00	3.1	7.5	1.9	3
29/06/2009 14:00	14:00	5.1	8.6	2.4	7
29/06/2009 15:00	15:00	9.1	16.3	2.7	10
29/06/2009 16:00	16:00	12.0	17.4	3.0	7
29/06/2009 17:00	17:00	9.2	18.8	4.3	3
29/06/2009 18:00	18:00	4.6	18.2	2.7	0
29/06/2009 19:00	19:00	1.6	11.7	1.9	6
29/06/2009 20:00	20:00	0.4	6.9	1.9	5
29/06/2009 21:00	21:00	0.1	13.8	1.4	1
29/06/2009 22:00	22:00				4
29/06/2009 23:00	23:00	0.6	18.6	1.6	4
29/06/2009 24:00	0:00	0.0	10.1	1.6	5
30/06/2009 01:00	1:00	0.0	13.6	1.0	5
30/06/2009 02:00	2:00	0.0	14.7	1.2	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
30/06/2009 03:00	3:00	0.5	22.0	1.2	4
30/06/2009 04:00	4:00	0.0	19.0	1.0	4
30/06/2009 05:00	5:00	2.2	19.7	1.2	4
30/06/2009 06:00	6:00	7.2	16.8	1.5	7
30/06/2009 07:00	7:00	7.9	20.5	1.8	9
30/06/2009 08:00	8:00	3.1	8.4	2.0	4
30/06/2009 09:00	9:00	1.5	5.4	2.0	3
30/06/2009 10:00	10:00	11.0	14.5	2.3	8
30/06/2009 11:00	11:00	15.8	21.1	3.1	9
30/06/2009 12:00	12:00	14.1	20.1	3.4	8
30/06/2009 13:00	13:00	15.2	23.4	4.4	8
30/06/2009 14:00	14:00	9.9	20.1	3.6	7
30/06/2009 15:00	15:00	12.7	24.5	2.8	8
30/06/2009 16:00	16:00	12.8	26.2	2.3	6
30/06/2009 17:00	17:00	9.4	26.0	2.0	4
30/06/2009 18:00	18:00	6.6	24.9	2.0	3
30/06/2009 19:00	19:00	2.0	15.1	1.5	1
30/06/2009 20:00	20:00	2.0	17.2	1.2	2
30/06/2009 21:00	21:00				4
30/06/2009 22:00	22:00	0.7	24.1	1.2	3
30/06/2009 23:00	23:00	1.0	36.6	1.5	4
30/06/2009 24:00	0:00	3.7	45.0	1.5	6
01/07/2009 01:00	1:00	21.3	41.2	2.3	7
01/07/2009 02:00	2:00	8.7	34.1	1.8	6
01/07/2009 03:00	3:00	5.0	34.8	1.5	5
01/07/2009 04:00	4:00	4.6	29.7	1.5	4
01/07/2009 05:00	5:00	5.9	25.7	1.2	4
01/07/2009 06:00	6:00	14.5	23.2	2.0	6
01/07/2009 07:00	7:00	9.4	18.4	1.8	5
01/07/2009 08:00	8:00	0.6	3.6	1.2	3
01/07/2009 09:00	9:00	0.9	3.1	1.8	5
01/07/2009 10:00	10:00	0.4	2.3	1.5	5
01/07/2009 11:00	11:00	1.4	4.6	2.8	5
01/07/2009 12:00	12:00	0.2	2.7	1.8	6
01/07/2009 13:00	13:00	0.0	2.3	1.5	4
01/07/2009 14:00	14:00	0.6	4.0	3.1	5
01/07/2009 15:00	15:00	13.1	23.4	4.4	10
01/07/2009 16:00	16:00	6.4	18.4	3.1	5
01/07/2009 17:00	17:00	4.5	16.1	2.6	6
01/07/2009 18:00	18:00	3.4	16.3	2.0	5
01/07/2009 19:00	19:00	3.6	22.6	2.0	6

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
01/07/2009 20:00	20:00				5
01/07/2009 21:00	21:00	1.0	35.6	2.0	8
01/07/2009 22:00	22:00	6.7	56.9	2.0	8
01/07/2009 23:00	23:00	21.2	60.5	2.6	11
01/07/2009 24:00	0:00	33.4	54.8	3.6	12
02/07/2009 01:00	1:00	20.8	48.1	2.6	10
02/07/2009 02:00	2:00	18.2	45.0	2.6	9
02/07/2009 03:00	3:00	2.6	30.6	1.8	7
02/07/2009 04:00	4:00	0.9	28.5	1.8	8
02/07/2009 05:00	5:00	3.1	27.4	1.8	6
02/07/2009 06:00	6:00	10.0	25.8	2.3	6
02/07/2009 07:00	7:00	5.0	19.5	2.3	4
02/07/2009 08:00	8:00	3.1	7.8	3.1	6
02/07/2009 09:00	9:00	1.5	5.2	2.3	5
02/07/2009 10:00	10:00	0.9	2.9	1.8	6
02/07/2009 11:00	11:00	1.6	3.1	1.5	5
02/07/2009 12:00	12:00	0.6	3.6	2.0	4
02/07/2009 13:00	13:00	0.9	3.4	2.0	5
02/07/2009 14:00	14:00	1.4	4.6	2.8	4
02/07/2009 15:00	15:00	6.5	9.6	5.8	5
02/07/2009 16:00	16:00	55.8	46.5	60.3	16
02/07/2009 17:00	17:00	45.8	52.5	56.8	14
02/07/2009 18:00	18:00	6.6	25.7	10.8	7
02/07/2009 19:00	19:00				8
02/07/2009 20:00	20:00	12.1		26.0	8
02/07/2009 21:00	21:00	6.0	53.6	25.5	11
02/07/2009 22:00	22:00	3.1	62.2	5.5	10
02/07/2009 23:00	23:00	8.5	63.4	3.6	8
02/07/2009 24:00	0:00	3.0	64.7	3.6	8
03/07/2009 01:00	1:00	6.4	62.2	3.4	10
03/07/2009 02:00	2:00	1.1	48.8	4.2	10
03/07/2009 03:00	3:00	0.0	25.1	3.9	9
03/07/2009 04:00	4:00	0.0	23.9	4.7	9
03/07/2009 05:00	5:00	1.9	30.1	5.2	9
03/07/2009 06:00	6:00	14.1	33.7	4.7	11
03/07/2009 07:00	7:00	28.8	40.4	6.8	12
03/07/2009 08:00	8:00	15.2	27.0	4.4	8
03/07/2009 09:00	9:00	30.7	42.1	11.9	11
03/07/2009 10:00	10:00	17.5	34.8	9.8	10
03/07/2009 11:00	11:00	12.6	31.2	6.8	12
03/07/2009 12:00	12:00	8.7	27.2	5.8	10

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
03/07/2009 13:00	13:00	7.9	29.3	5.5	12
03/07/2009 14:00	14:00	11.9	33.3	5.0	15
03/07/2009 15:00	15:00	14.1	38.3	8.2	10
03/07/2009 16:00	16:00	9.7	32.2	6.3	9
03/07/2009 17:00	17:00	8.0	34.3	9.0	6
03/07/2009 18:00	18:00				14
03/07/2009 19:00	19:00	35.9	65.3	49.9	15
03/07/2009 20:00	20:00	31.1	59.7	49.4	15
03/07/2009 21:00	21:00	9.4	59.9	26.5	9
03/07/2009 22:00	22:00	13.7	64.3	28.9	11
03/07/2009 23:00	23:00	9.4	51.7	12.4	14
03/07/2009 24:00	0:00	2.9	47.3	9.2	9
04/07/2009 01:00	1:00	2.4	37.5	6.6	14
04/07/2009 02:00	2:00	0.2	29.7	3.6	13
04/07/2009 03:00	3:00	0.0	16.8	3.4	9
04/07/2009 04:00	4:00	3.5	28.1	7.9	10
04/07/2009 05:00	5:00	9.0	37.3	10.6	12
04/07/2009 06:00	6:00	11.0	29.3	6.8	13
04/07/2009 07:00	7:00	11.5	26.6	12.7	13
04/07/2009 08:00	8:00	15.6	26.0	6.6	13
04/07/2009 09:00	9:00	15.0	25.7	6.8	8
04/07/2009 10:00	10:00	8.7	18.6	6.0	7
04/07/2009 11:00	11:00	16.8	26.6	7.9	8
04/07/2009 12:00	12:00	13.8	25.8	6.6	8
04/07/2009 13:00	13:00	13.3	29.5	5.8	9
04/07/2009 14:00	14:00	7.9	21.6	5.0	8
04/07/2009 15:00	15:00	3.6	15.7	3.9	8
04/07/2009 16:00	16:00	4.6	19.3	6.3	7
04/07/2009 17:00	17:00				11
04/07/2009 18:00	18:00	24.1	51.9	43.8	12
04/07/2009 19:00	19:00	60.6	57.0	82.4	16
04/07/2009 20:00	20:00	99.4	73.5	131.1	23
04/07/2009 21:00	21:00	45.3	72.7	71.5	15
04/07/2009 22:00	22:00	13.7	53.8	31.0	10
04/07/2009 23:00	23:00	9.5	60.7	23.3	10
04/07/2009 24:00	0:00	14.8	62.0	27.8	14
05/07/2009 01:00	1:00	16.2	60.5	19.1	15
05/07/2009 02:00	2:00	7.2	45.2	10.0	14
05/07/2009 03:00	3:00	0.4	25.5	4.4	10
05/07/2009 04:00	4:00	0.0	24.3	4.2	10
05/07/2009 05:00	5:00	0.5	26.8	3.9	11

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
05/07/2009 06:00	6:00	3.4	22.8	3.9	11
05/07/2009 07:00	7:00	6.0	20.1	5.5	9
05/07/2009 08:00	8:00	4.9	18.8	9.0	9
05/07/2009 09:00	9:00	2.9	13.0	6.8	13
05/07/2009 10:00	10:00	2.6	10.1	5.8	10
05/07/2009 11:00	11:00	3.0	11.5	5.2	10
05/07/2009 12:00	12:00	12.7	25.8	7.1	12
05/07/2009 13:00	13:00	15.2	28.1	13.2	12
05/07/2009 14:00	14:00	12.2	27.0	13.7	12
05/07/2009 15:00	15:00	6.5	22.4	12.2	9
05/07/2009 16:00	16:00				13
05/07/2009 17:00	17:00	9.2	28.1	18.8	12
05/07/2009 18:00	18:00	1.9	10.3	2.6	8
05/07/2009 19:00	19:00	1.2	10.0	2.3	5
05/07/2009 20:00	20:00	1.2	13.8	2.6	5
05/07/2009 21:00	21:00	0.9	13.2	2.6	6
05/07/2009 22:00	22:00	0.6	15.7	2.8	4
05/07/2009 23:00	23:00	1.2	21.1	3.1	3
05/07/2009 24:00	0:00	0.0	2.1	1.8	2
06/07/2009 01:00	1:00	0.0	1.9	1.5	2
06/07/2009 02:00	2:00	0.0	5.4	2.0	4
06/07/2009 03:00	3:00	0.0	14.5	3.4	4
06/07/2009 04:00	4:00	0.0	9.4	3.4	3
06/07/2009 05:00	5:00	0.0	11.9	4.4	5
06/07/2009 06:00	6:00	0.5	13.0	3.9	5
06/07/2009 07:00	7:00	10.0	23.0	3.4	6
06/07/2009 08:00	8:00	5.1	18.8	2.6	5
06/07/2009 09:00	9:00	0.9	12.1	2.3	4
06/07/2009 10:00	10:00	4.1	19.1	2.3	4
06/07/2009 11:00	11:00	7.9	19.9	2.3	4
06/07/2009 12:00	12:00	8.9	16.5	2.3	6
06/07/2009 13:00	13:00	10.9	16.7	2.3	0
06/07/2009 14:00	14:00	7.0	12.4	1.8	0
06/07/2009 15:00	15:00				1
06/07/2009 16:00	16:00	7.2	11.3	1.8	0
06/07/2009 17:00	17:00	4.0	8.4	1.2	0
06/07/2009 18:00	18:00	2.5	6.5	1.2	0
06/07/2009 19:00	19:00	1.7	4.4	1.0	0
06/07/2009 20:00	20:00	1.0	4.4	1.2	0
06/07/2009 21:00	21:00	0.6	4.4	1.2	0
06/07/2009 22:00	22:00	0.2	3.8	1.2	0

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
06/07/2009 23:00	23:00	0.2	2.7	1.0	0
06/07/2009 24:00	0:00	0.0	4.0	1.2	0
07/07/2009 01:00	1:00	0.0	4.2	1.2	0
07/07/2009 02:00	2:00	0.0	5.2	1.2	0
07/07/2009 03:00	3:00	0.0	5.6	1.5	0
07/07/2009 04:00	4:00	0.2	16.8	2.3	0
07/07/2009 05:00	5:00	1.5	8.2	1.5	0
07/07/2009 06:00	6:00	2.7	15.7	1.5	0
07/07/2009 07:00	7:00	10.1	20.9	2.0	3
07/07/2009 08:00	8:00	24.2	30.6	3.9	4
07/07/2009 09:00	9:00	26.8	32.5	3.9	3
07/07/2009 10:00	10:00	15.1	23.5	4.4	3
07/07/2009 11:00	11:00	9.6	18.6	3.1	2
07/07/2009 12:00	12:00	4.1	13.2	2.8	2
07/07/2009 13:00	13:00	12.3	19.0	4.2	3
07/07/2009 14:00	14:00				4
07/07/2009 15:00	15:00	18.0	24.7	3.1	3
07/07/2009 16:00	16:00	23.8	25.5	2.6	3
07/07/2009 17:00	17:00	15.3	21.1	2.3	1
07/07/2009 18:00	18:00	23.1	29.5	3.9	2
07/07/2009 19:00	19:00	14.8	26.2	3.1	2
07/07/2009 20:00	20:00	6.7	21.2	2.3	0
07/07/2009 21:00	21:00	23.8	34.3	4.4	3
07/07/2009 22:00	22:00	29.2	34.1	5.8	3
07/07/2009 23:00	23:00	15.1	31.2	6.3	2
07/07/2009 24:00	0:00	39.4	32.7	7.6	4
08/07/2009 01:00	1:00	12.2	22.4	4.7	2
08/07/2009 02:00	2:00	22.7	30.4	6.6	3
08/07/2009 03:00	3:00	30.6	29.1	7.4	4
08/07/2009 04:00	4:00	22.5	25.1	5.2	5
08/07/2009 05:00	5:00	1.2	12.8	3.4	1
08/07/2009 06:00	6:00	3.1	17.8	2.8	3
08/07/2009 07:00	7:00	4.2	14.7	1.8	2
08/07/2009 08:00	8:00	4.4	11.1	1.8	1
08/07/2009 09:00	9:00	2.1	6.5	1.8	1
08/07/2009 10:00	10:00	4.2	10.1	3.4	2
08/07/2009 11:00	11:00	4.4	8.0	2.6	3
08/07/2009 12:00	12:00	5.7	7.8	3.1	2
08/07/2009 13:00	13:00				1
08/07/2009 14:00	14:00	1.5	5.6	1.8	1
08/07/2009 15:00	15:00	2.5	8.2	2.8	2

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
08/07/2009 16:00	16:00	2.5	10.3	2.3	0
08/07/2009 17:00	17:00	4.6	15.7	2.8	2
08/07/2009 18:00	18:00	17.0	24.1	4.4	4
08/07/2009 19:00	19:00	8.6	20.3	2.8	3
08/07/2009 20:00	20:00	2.7	18.2	2.3	0
08/07/2009 21:00	21:00	3.0	22.0	3.4	2
08/07/2009 22:00	22:00	1.2	21.2	2.6	3
08/07/2009 23:00	23:00	0.6	17.2	2.3	2
08/07/2009 24:00	0:00	0.1	18.4	2.6	2
09/07/2009 01:00	1:00	1.1	18.4	3.3	3
09/07/2009 02:00	2:00	0.6	16.5	3.0	3
09/07/2009 03:00	3:00	0.6	15.9	2.8	3
09/07/2009 04:00	4:00	1.9	20.3	3.0	4
09/07/2009 05:00	5:00	1.1	16.3	2.8	4
09/07/2009 06:00	6:00	2.9	15.9	2.5	4
09/07/2009 07:00	7:00	36.2	24.7	3.8	7
09/07/2009 08:00	8:00	7.2	15.9	2.5	3
09/07/2009 09:00	9:00	61.4	29.7	6.2	11
09/07/2009 10:00	10:00	52.5	27.8	7.3	11
09/07/2009 11:00	11:00	112.4	34.5	40.8	15
09/07/2009 12:00	12:00				10
09/07/2009 13:00	13:00	21.6	23.4	12.1	5
09/07/2009 14:00	14:00	11.6	19.5	4.6	3
09/07/2009 15:00	15:00	10.2	17.8	4.1	0
09/07/2009 16:00	16:00	18.0	23.7	16.6	3
09/07/2009 17:00	17:00	39.2	44.0	45.3	8
09/07/2009 18:00	18:00	13.5	25.5	15.0	3
09/07/2009 19:00	19:00	3.1	11.3	1.7	0
09/07/2009 20:00	20:00	4.4	17.2	2.0	1
09/07/2009 21:00	21:00	11.5	36.4	8.1	3
09/07/2009 22:00	22:00	8.4	35.2	6.7	3
09/07/2009 23:00	23:00	7.4	34.8	4.4	4
09/07/2009 24:00	0:00	2.4	24.3	2.2	3
10/07/2009 01:00	1:00	3.1	26.8	2.5	3
10/07/2009 02:00	2:00	8.4	28.3	3.0	4
10/07/2009 03:00	3:00	11.0	22.2	2.2	3
10/07/2009 04:00	4:00	13.5	19.7	2.2	3
10/07/2009 05:00	5:00	10.9	21.4	2.0	4
10/07/2009 06:00	6:00	29.6	19.5	3.0	6
10/07/2009 07:00	7:00	67.2	28.7	4.6	10
10/07/2009 08:00	8:00	30.4	24.1	3.3	10

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
10/07/2009 09:00	9:00	2.6	5.9	2.0	3
10/07/2009 10:00	10:00	2.5	5.6	2.2	5
10/07/2009 11:00	11:00				5
10/07/2009 12:00	12:00	2.2	6.1	2.2	7
10/07/2009 13:00	13:00	1.6	5.9	2.2	5
10/07/2009 14:00	14:00	1.4	5.9	2.5	5
10/07/2009 15:00	15:00	9.9	19.5	3.8	7
10/07/2009 16:00	16:00	12.5	30.4	5.2	8
10/07/2009 17:00	17:00	19.1	31.4	30.2	6
10/07/2009 18:00	18:00	18.0	34.3	29.1	7
10/07/2009 19:00	19:00	19.5	44.0	33.6	4
10/07/2009 20:00	20:00	10.2	50.0	11.3	7
10/07/2009 21:00	21:00	9.6	54.8	20.6	8
10/07/2009 22:00	22:00	11.7	54.4	13.9	7
10/07/2009 23:00	23:00	10.9	54.9	5.2	6
10/07/2009 24:00	0:00	26.6	56.3	4.6	9
11/07/2009 01:00	1:00	22.7	48.8	3.8	6
11/07/2009 02:00	2:00	24.2	42.1	4.1	8
11/07/2009 03:00	3:00	12.7	34.5	3.0	7
11/07/2009 04:00	4:00	15.3	30.6	2.2	6
11/07/2009 05:00	5:00	17.1	28.3	2.5	8
11/07/2009 06:00	6:00	24.9	21.8	3.0	8
11/07/2009 07:00	7:00	18.2	20.7	3.0	7
11/07/2009 08:00	8:00	32.3	25.1	15.8	7
11/07/2009 09:00	9:00	37.0	34.1	37.3	12
11/07/2009 10:00	10:00				7
11/07/2009 11:00	11:00	10.1	19.3	8.6	4
11/07/2009 12:00	12:00	38.2	34.1	42.1	10
11/07/2009 13:00	13:00	11.0	26.0	16.9	9
11/07/2009 14:00	14:00	10.1	24.5	13.9	6
11/07/2009 15:00	15:00	4.7	18.0	4.1	5
11/07/2009 16:00	16:00	9.4	27.0	12.6	2
11/07/2009 17:00	17:00	9.7	28.3	13.1	4
11/07/2009 18:00	18:00	60.4	49.0	72.5	9
11/07/2009 19:00	19:00	30.7	45.6	37.3	9
11/07/2009 20:00	20:00	21.3	45.4	29.9	9
11/07/2009 21:00	21:00	47.8	40.2	59.4	14
11/07/2009 22:00	22:00	9.1	24.9	12.9	4
11/07/2009 23:00	23:00	9.1	17.0	14.2	4
11/07/2009 24:00	0:00	1.6	16.3	7.5	2
12/07/2009 01:00	1:00	0.2	7.5	2.8	3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
12/07/2009 02:00	2:00	0.0	4.4	2.0	1
12/07/2009 03:00	3:00	0.0	5.7	2.0	3
12/07/2009 04:00	4:00	0.0	4.0	1.7	2
12/07/2009 05:00	5:00	0.0	3.6	1.4	1
12/07/2009 06:00	6:00	1.4	11.1	1.7	2
12/07/2009 07:00	7:00	4.0	10.1	2.2	3
12/07/2009 08:00	8:00	6.0	10.0	2.2	4
12/07/2009 09:00	9:00				4
12/07/2009 10:00	10:00	6.0	11.7	2.0	3
12/07/2009 11:00	11:00	4.9	9.0	3.8	1
12/07/2009 12:00	12:00	2.9	5.7	2.2	3
12/07/2009 13:00	13:00	3.5	7.7	2.8	1
12/07/2009 14:00	14:00	4.1	9.6	2.2	3
12/07/2009 15:00	15:00	3.0	9.6	1.7	3
12/07/2009 16:00	16:00	4.4	13.0	1.7	3
12/07/2009 17:00	17:00	2.9	12.8	2.0	5
12/07/2009 18:00	18:00	1.7	7.1	1.7	4
12/07/2009 19:00	19:00	1.7	6.9	1.7	4
12/07/2009 20:00	20:00	0.9	10.5	1.4	3
12/07/2009 21:00	21:00	0.5	9.0	1.4	2
12/07/2009 22:00	22:00	0.1	5.9	1.7	2
12/07/2009 23:00	23:00	0.0	4.8	1.4	1
12/07/2009 24:00	0:00	0.0	2.1	1.4	0
13/07/2009 01:00	1:00	0.0	0.4	1.2	0
13/07/2009 02:00	2:00	0.0	0.6	1.4	0
13/07/2009 03:00	3:00	0.0	1.7	1.4	0
13/07/2009 04:00	4:00	0.0	2.9	1.2	0
13/07/2009 05:00	5:00	0.2	3.6	1.2	0
13/07/2009 06:00	6:00	2.5	10.7	1.2	0
13/07/2009 07:00	7:00	10.6	20.3	1.4	3
13/07/2009 08:00	8:00				1
13/07/2009 09:00	9:00	10.7	18.2	1.7	2
13/07/2009 10:00	10:00	7.9	14.0	1.4	1
13/07/2009 11:00	11:00	9.0	14.9	1.7	2
13/07/2009 12:00	12:00	6.5	10.5	1.4	3
13/07/2009 13:00	13:00	10.4	14.2	2.5	4
13/07/2009 14:00	14:00	8.7	13.8	2.2	3
13/07/2009 15:00	15:00	9.9	15.3	1.7	3
13/07/2009 16:00	16:00	3.9	8.2	1.4	1
13/07/2009 17:00	17:00				
13/07/2009 18:00	18:00				

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
13/07/2009 19:00	19:00				
13/07/2009 20:00	20:00				
13/07/2009 21:00	21:00				
13/07/2009 22:00	22:00				
13/07/2009 23:00	23:00				
13/07/2009 24:00	0:00				
14/07/2009 01:00	1:00				
14/07/2009 02:00	2:00				
14/07/2009 03:00	3:00				
14/07/2009 04:00	4:00				
14/07/2009 05:00	5:00	1.5	15.7	1.2	2
14/07/2009 06:00	6:00	11.6	23.5	1.7	2
14/07/2009 07:00	7:00				4
14/07/2009 08:00	8:00	20.7	23.9	3.0	4
14/07/2009 09:00	9:00	20.6	21.6	2.2	5
14/07/2009 10:00	10:00	11.7	14.7	2.5	3
14/07/2009 11:00	11:00	9.2	13.4	2.0	3
14/07/2009 12:00	12:00	8.0	11.9	2.0	3
14/07/2009 13:00	13:00	10.1	16.3	2.2	3
14/07/2009 14:00	14:00	5.0	12.1	2.0	4
14/07/2009 15:00	15:00	4.4	13.4	2.0	5
14/07/2009 16:00	16:00	3.6	13.4	1.7	4
14/07/2009 17:00	17:00	4.6	16.7	2.0	4
14/07/2009 18:00	18:00	7.1	19.1	2.0	4
14/07/2009 19:00	19:00	6.9	21.6	2.0	3
14/07/2009 20:00	20:00	4.2	17.2	1.7	3
14/07/2009 21:00	21:00	1.9	14.4	1.7	3
14/07/2009 22:00	22:00	1.7	18.2	1.7	3
14/07/2009 23:00	23:00	2.0	20.1	1.4	2
14/07/2009 24:00	0:00	0.0	4.4	1.2	1
15/07/2009 01:00	1:00	0.0	7.3	1.4	1
15/07/2009 02:00	2:00	0.0	16.5	1.4	2
15/07/2009 03:00	3:00	1.7	19.9	1.4	2
15/07/2009 04:00	4:00	0.0	16.3	1.4	2
15/07/2009 05:00	5:00	2.6	17.0	1.4	3
15/07/2009 06:00	6:00				6
15/07/2009 07:00	7:00	10.5	13.4	3.3	5
15/07/2009 08:00	8:00	10.4	10.9	3.3	4
15/07/2009 09:00	9:00	8.2	9.4	3.0	5
15/07/2009 10:00	10:00	10.7	11.1	3.8	3
15/07/2009 11:00	11:00	32.7	20.7	11.3	7

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
15/07/2009 12:00	12:00	16.2	20.1	4.9	7
15/07/2009 13:00	13:00	12.1	23.4	4.9	8
15/07/2009 14:00	14:00	9.6	24.1	2.8	8
15/07/2009 15:00	15:00	12.3	27.0	3.3	7
15/07/2009 16:00	16:00	9.4	23.2	2.2	4
15/07/2009 17:00	17:00	7.9	23.4	2.5	4
15/07/2009 18:00	18:00	4.7	18.0	2.2	5
15/07/2009 19:00	19:00	4.7	17.4	2.0	5
15/07/2009 20:00	20:00	3.4	18.2	1.7	2
15/07/2009 21:00	21:00	3.9	28.5	2.5	3
15/07/2009 22:00	22:00	2.5	22.6	1.7	2
15/07/2009 23:00	23:00	10.2	33.7	2.0	2
15/07/2009 24:00	0:00	6.2	31.8	2.0	4
16/07/2009 01:00	1:00	8.7	30.1	2.2	4
16/07/2009 02:00	2:00	3.0	24.7	2.0	4
16/07/2009 03:00	3:00	0.2	12.3	2.0	2
16/07/2009 04:00	4:00	0.0	7.1	1.7	1
16/07/2009 05:00	5:00				1
16/07/2009 06:00	6:00	3.0	9.6	2.2	3
16/07/2009 07:00	7:00	11.0	12.4	4.1	6
16/07/2009 08:00	8:00	13.6	12.4	3.3	5
16/07/2009 09:00	9:00	11.6	10.3	3.8	5
16/07/2009 10:00	10:00	10.5	11.3	4.4	5
16/07/2009 11:00	11:00	24.7	23.4	6.2	8
16/07/2009 12:00	12:00	13.0	20.5	3.3	7
16/07/2009 13:00	13:00	6.2	14.2	3.6	6
16/07/2009 14:00	14:00	28.9	23.9	6.0	8
16/07/2009 15:00	15:00	27.6	22.2	5.2	5
16/07/2009 16:00	16:00	51.9	22.0	38.1	5
16/07/2009 17:00	17:00	50.1	20.9	42.9	6
16/07/2009 18:00	18:00	54.0	20.1	46.7	6
16/07/2009 19:00	19:00	42.3	20.1	50.6	5
16/07/2009 20:00	20:00	34.6	21.4	32.6	3
16/07/2009 21:00	21:00	35.3	26.2	34.4	1
16/07/2009 22:00	22:00	32.3	27.6	39.5	5
16/07/2009 23:00	23:00	33.6	25.3	38.9	6
16/07/2009 24:00	0:00	28.9	25.5	27.8	5
17/07/2009 01:00	1:00	31.3	24.9	13.7	3
17/07/2009 02:00	2:00	30.4	22.8	12.3	4
17/07/2009 03:00	3:00	28.2	21.1	9.7	5
17/07/2009 04:00	4:00				3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
17/07/2009 05:00	5:00	15.8	19.5	4.6	4
17/07/2009 06:00	6:00	26.2	19.0	5.4	5
17/07/2009 07:00	7:00	29.2	21.8	6.0	7
17/07/2009 08:00	8:00	42.2	23.9	7.3	11
17/07/2009 09:00	9:00	13.8	15.7	7.3	5
17/07/2009 10:00	10:00	11.0	16.3	7.5	6
17/07/2009 11:00	11:00	6.2	16.7	4.1	7
17/07/2009 12:00	12:00	7.1	18.4	3.8	9
17/07/2009 13:00	13:00	2.0	7.8	3.0	5
17/07/2009 14:00	14:00	18.0	17.4	15.0	1
17/07/2009 15:00	15:00	29.4	21.2	24.3	9
17/07/2009 16:00	16:00	26.1	20.9	22.2	7
17/07/2009 17:00	17:00	18.0	19.3	13.9	6
17/07/2009 18:00	18:00	3.9	8.8	2.2	0
17/07/2009 19:00	19:00	2.5	9.8	2.0	
17/07/2009 20:00	20:00	3.1	14.2	2.2	1
17/07/2009 21:00	21:00	1.9	10.3	1.7	3
17/07/2009 22:00	22:00	2.7	6.9	2.0	2
17/07/2009 23:00	23:00	29.6	23.7	30.2	1
17/07/2009 24:00	0:00	22.8	18.6	25.6	2
18/07/2009 01:00	1:00	0.2	7.7	2.5	0
18/07/2009 02:00	2:00	0.5	11.5	2.2	0
18/07/2009 03:00	3:00				2
18/07/2009 04:00	4:00	0.0	4.6	1.7	3
18/07/2009 05:00	5:00	0.4	2.1	1.7	3
18/07/2009 06:00	6:00	0.9	4.0	1.7	2
18/07/2009 07:00	7:00	2.7	5.4	2.0	2
18/07/2009 08:00	8:00	2.1	4.0	1.7	1
18/07/2009 09:00	9:00	4.7	5.9	2.0	1
18/07/2009 10:00	10:00	5.6	7.7	2.2	2
18/07/2009 11:00	11:00	4.1	6.3	2.2	2
18/07/2009 12:00	12:00	4.2	7.3	2.2	0
18/07/2009 13:00	13:00	4.1	8.6	3.0	0
18/07/2009 14:00	14:00	2.9	5.9	2.2	0
18/07/2009 15:00	15:00	3.6	6.5	2.0	0
18/07/2009 16:00	16:00	3.4	7.1	1.7	1
18/07/2009 17:00	17:00	3.5	6.9	2.0	0
18/07/2009 18:00	18:00	2.1	5.4	2.0	0
18/07/2009 19:00	19:00	1.6	4.6	2.0	0
18/07/2009 20:00	20:00	1.2	5.2	2.2	2
18/07/2009 21:00	21:00	0.5	3.4	2.0	3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
18/07/2009 22:00	22:00	1.4	6.5	1.7	1
18/07/2009 23:00	23:00	1.4	8.6	1.7	2
18/07/2009 24:00	0:00	0.4	4.2	1.4	1
19/07/2009 01:00	1:00	0.0	4.4	1.2	1
19/07/2009 02:00	2:00				2
19/07/2009 03:00	3:00	0.0	3.3	1.4	3
19/07/2009 04:00	4:00	0.0	4.6	1.4	3
19/07/2009 05:00	5:00	0.0	6.1	1.4	3
19/07/2009 06:00	6:00	0.5	5.7	1.4	4
19/07/2009 07:00	7:00	1.7	4.8	1.4	3
19/07/2009 08:00	8:00	1.9	4.4	1.7	3
19/07/2009 09:00	9:00	1.9	4.2	1.7	3
19/07/2009 10:00	10:00	3.9	7.3	1.7	2
19/07/2009 11:00	11:00	3.7	6.5	2.0	1
19/07/2009 12:00	12:00	3.4	6.1	2.0	1
19/07/2009 13:00	13:00	2.4	5.4	2.0	2
19/07/2009 14:00	14:00	2.5	5.7	1.4	2
19/07/2009 15:00	15:00	6.1	11.1	2.2	4
19/07/2009 16:00	16:00	5.1	10.3	2.0	4
19/07/2009 17:00	17:00	3.6	9.8	1.7	1
19/07/2009 18:00	18:00	3.0	9.0	1.7	1
19/07/2009 19:00	19:00	2.1	9.6	1.7	1
19/07/2009 20:00	20:00	1.6	12.8	1.7	0
19/07/2009 21:00	21:00	0.2	14.0	1.7	2
19/07/2009 22:00	22:00	0.6	20.7	1.4	2
19/07/2009 23:00	23:00	4.7	35.6	2.0	3
19/07/2009 24:00	0:00				3
20/07/2009 01:00	1:00	0.0	21.2	1.3	2
20/07/2009 02:00	2:00	0.5	27.4	1.1	4
20/07/2009 03:00	3:00	4.2	24.7	1.3	3
20/07/2009 04:00	4:00	4.6	23.4	1.3	4
20/07/2009 05:00	5:00	7.7	21.4	1.6	3
20/07/2009 06:00	6:00	38.7	26.2	2.9	8
20/07/2009 07:00	7:00	42.8	27.9	4.3	7
20/07/2009 08:00	8:00	34.1	27.2	4.0	9
20/07/2009 09:00	9:00	1.1	3.3	1.6	1
20/07/2009 10:00	10:00	0.4	2.3	1.3	2
20/07/2009 11:00	11:00	0.6	3.4	1.9	2
20/07/2009 12:00	12:00	1.2	3.1	1.6	3
20/07/2009 13:00	13:00	0.0	2.3	1.6	1
20/07/2009 14:00	14:00	4.2	9.2	2.4	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
20/07/2009 15:00	15:00	15.6	27.2	10.4	10
20/07/2009 16:00	16:00	10.6	24.3	4.8	4
20/07/2009 17:00	17:00	5.9	18.2	2.4	2
20/07/2009 18:00	18:00	3.5	17.0	3.5	3
20/07/2009 19:00	19:00	6.1	26.8	9.3	1
20/07/2009 20:00	20:00	5.2	28.9	8.0	0
20/07/2009 21:00	21:00	0.5	25.7	2.1	4
20/07/2009 22:00	22:00	0.9	30.1	2.1	4
20/07/2009 23:00	23:00				5
20/07/2009 24:00	0:00	0.0	15.5	1.9	3
21/07/2009 01:00	1:00	0.1	20.9	1.9	6
21/07/2009 02:00	2:00	0.0	26.2	1.9	6
21/07/2009 03:00	3:00	0.4	30.1	2.1	6
21/07/2009 04:00	4:00	0.0	17.2	4.0	4
21/07/2009 05:00	5:00	0.2	32.5	7.7	5
21/07/2009 06:00	6:00	8.9	33.3	5.9	8
21/07/2009 07:00	7:00	13.8	28.1	6.1	8
21/07/2009 08:00	8:00	12.0	23.0	5.9	7
21/07/2009 09:00	9:00	33.7	33.5	5.9	10
21/07/2009 10:00	10:00	11.5	18.6	4.5	5
21/07/2009 11:00	11:00	11.7	20.7	5.1	6
21/07/2009 12:00	12:00	17.2	29.9	6.4	8
21/07/2009 13:00	13:00	12.2	27.8	9.6	8
21/07/2009 14:00	14:00	15.5	29.5	13.6	10
21/07/2009 15:00	15:00	7.6	25.8	6.9	7
21/07/2009 16:00	16:00	7.4	22.4	2.9	7
21/07/2009 17:00	17:00	5.4	17.2	2.4	7
21/07/2009 18:00	18:00	4.9	15.5	2.1	7
21/07/2009 19:00	19:00	3.9	14.4	1.9	4
21/07/2009 20:00	20:00	2.2	15.9	1.9	5
21/07/2009 21:00	21:00	3.2	24.7	2.1	6
21/07/2009 22:00	22:00				5
21/07/2009 23:00	23:00	2.0	26.8	1.9	6
21/07/2009 24:00	0:00	0.5	20.9	1.9	6
22/07/2009 01:00	1:00	0.0	10.0	2.1	5
22/07/2009 02:00	2:00	0.0	12.4	2.7	5
22/07/2009 03:00	3:00	0.0	13.4	2.9	4
22/07/2009 04:00	4:00	0.0	15.9	2.7	4
22/07/2009 05:00	5:00	2.4	21.4	3.5	6
22/07/2009 06:00	6:00	12.6	21.1	9.8	8
22/07/2009 07:00	7:00	20.5	21.2	8.0	9

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
22/07/2009 08:00	8:00	18.5	18.2	6.1	10
22/07/2009 09:00	9:00	8.2	11.3	5.3	5
22/07/2009 10:00	10:00	4.4	7.1	2.1	2
22/07/2009 11:00	11:00	2.4	5.7	2.7	4
22/07/2009 12:00	12:00	3.4	7.1	5.6	6
22/07/2009 13:00	13:00	2.7	7.3	2.9	5
22/07/2009 14:00	14:00	3.2	9.0	2.7	4
22/07/2009 15:00	15:00	8.0	15.1	2.7	6
22/07/2009 16:00	16:00	8.0	14.0	2.9	3
22/07/2009 17:00	17:00	9.0	14.2	9.0	5
22/07/2009 18:00	18:00	9.5	15.5	12.5	5
22/07/2009 19:00	19:00	9.7	20.5	17.8	4
22/07/2009 20:00	20:00	2.9	11.3	3.7	2
22/07/2009 21:00	21:00				2
22/07/2009 22:00	22:00	0.1	6.7	1.9	2
22/07/2009 23:00	23:00	0.5	9.4	1.6	2
22/07/2009 24:00	0:00	0.0	7.1	1.6	2
23/07/2009 01:00	1:00	0.0	5.2	1.4	1
23/07/2009 02:00	2:00	0.0	6.9	1.4	2
23/07/2009 03:00	3:00	0.0	8.2	1.4	1
23/07/2009 04:00	4:00	0.5	12.6	1.6	1
23/07/2009 05:00	5:00	0.0	10.0	1.1	1
23/07/2009 06:00	6:00	13.2	18.0	1.9	3
23/07/2009 07:00	7:00	24.4	22.6	2.4	5
23/07/2009 08:00	8:00	25.3	19.0	7.0	4
23/07/2009 09:00	9:00	33.1	20.1	19.7	8
23/07/2009 10:00	10:00	24.6	19.1	9.1	3
23/07/2009 11:00	11:00	20.5	17.2	6.7	4
23/07/2009 12:00	12:00	14.0	13.2	3.2	5
23/07/2009 13:00	13:00	12.3	13.0	3.5	3
23/07/2009 14:00	14:00	9.0	11.3	2.4	3
23/07/2009 15:00	15:00	10.0	12.3	2.7	4
23/07/2009 16:00	16:00	13.2	14.5	1.9	3
23/07/2009 17:00	17:00	7.1	10.0	1.6	2
23/07/2009 18:00	18:00	11.1	17.4	9.1	3
23/07/2009 19:00	19:00	10.9	21.6	7.2	4
23/07/2009 20:00	20:00				4
23/07/2009 21:00	21:00	1.1	6.7	1.6	2
23/07/2009 22:00	22:00	1.2	8.2	1.4	1
23/07/2009 23:00	23:00	0.9	10.1	1.9	1
23/07/2009 24:00	0:00	0.0	8.4	1.6	1

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
24/07/2009 01:00	1:00	0.0	11.5	2.2	0
24/07/2009 02:00	2:00	0.0	11.1	1.9	2
24/07/2009 03:00	3:00	0.7	12.3	1.9	1
24/07/2009 04:00	4:00	0.0	5.9	1.6	0
24/07/2009 05:00	5:00	0.1	10.7	1.4	0
24/07/2009 06:00	6:00	2.9	13.0	2.2	5
24/07/2009 07:00	7:00	11.6	14.7	3.0	5
24/07/2009 08:00	8:00	11.2	12.1	3.2	9
24/07/2009 09:00	9:00	3.4	6.3	3.0	3
24/07/2009 10:00	10:00	2.6	5.2	3.2	2
24/07/2009 11:00	11:00	2.1	4.6	2.7	3
24/07/2009 12:00	12:00	7.9	9.2	3.2	6
24/07/2009 13:00	13:00	22.0	19.5	5.1	6
24/07/2009 14:00	14:00	15.8	19.1	6.2	5
24/07/2009 15:00	15:00	17.1	23.0	5.1	5
24/07/2009 16:00	16:00	9.0	20.5	5.6	5
24/07/2009 17:00	17:00	5.6	19.9	3.2	5
24/07/2009 18:00	18:00	5.9	23.4	12.0	5
24/07/2009 19:00	19:00				5
24/07/2009 20:00	20:00	2.0	27.4	3.2	5
24/07/2009 21:00	21:00	0.6	26.2	1.9	3
24/07/2009 22:00	22:00	31.2	44.2	24.3	6
24/07/2009 23:00	23:00	3.1	39.6	6.4	4
24/07/2009 24:00	0:00	0.5	32.4	3.8	6
25/07/2009 01:00	1:00	0.0	15.7	2.4	6
25/07/2009 02:00	2:00	1.1	30.2	9.6	2
25/07/2009 03:00	3:00	0.7	37.7	9.6	4
25/07/2009 04:00	4:00	0.2	31.8	7.5	8
25/07/2009 05:00	5:00	1.5	32.4	5.9	8
25/07/2009 06:00	6:00	4.0	31.0	5.4	9
25/07/2009 07:00	7:00	10.2	27.4	4.3	12
25/07/2009 08:00	8:00	18.8	28.9	4.8	9
25/07/2009 09:00	9:00	12.0	23.2	5.9	6
25/07/2009 10:00	10:00	9.0	18.4	7.0	6
25/07/2009 11:00	11:00	13.6	18.8	5.6	12
25/07/2009 12:00	12:00	3.6	10.7	4.3	5
25/07/2009 13:00	13:00	13.2	31.4	12.8	7
25/07/2009 14:00	14:00	11.7	27.8	8.0	8
25/07/2009 15:00	15:00	7.9	26.0	7.0	9
25/07/2009 16:00	16:00	5.4	25.1	7.2	5
25/07/2009 17:00	17:00	2.2	21.8	5.4	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
25/07/2009 18:00	18:00				4
25/07/2009 19:00	19:00	38.0	41.2	50.1	15
25/07/2009 20:00	20:00	16.1	25.5	19.5	4
25/07/2009 21:00	21:00	12.6	28.1	4.8	18
25/07/2009 22:00	22:00	10.6	28.1	3.8	10
25/07/2009 23:00	23:00	3.9	25.3	3.8	2
25/07/2009 24:00	0:00	1.5	25.5	4.3	6
26/07/2009 01:00	1:00	0.9	22.8	2.7	8
26/07/2009 02:00	2:00	1.4	23.4	2.4	3
26/07/2009 03:00	3:00	0.6	20.9	2.7	0
26/07/2009 04:00	4:00	0.7	17.8	2.2	10
26/07/2009 05:00	5:00	1.4	18.4	1.9	8
26/07/2009 06:00	6:00	9.6	20.5	2.4	16
26/07/2009 07:00	7:00	4.4	10.9	2.2	15
26/07/2009 08:00	8:00	1.6	7.8	2.2	8
26/07/2009 09:00	9:00	1.0	6.9	2.7	10
26/07/2009 10:00	10:00	2.6	10.1	2.7	10
26/07/2009 11:00	11:00	4.0	13.0	4.0	4
26/07/2009 12:00	12:00	8.6	20.3	7.5	8
26/07/2009 13:00	13:00	6.7	19.3	6.4	5
26/07/2009 14:00	14:00	4.4	16.1	3.0	7
26/07/2009 15:00	15:00	3.1	14.5	2.4	10
26/07/2009 16:00	16:00	2.4	14.7	2.2	5
26/07/2009 17:00	17:00				1
26/07/2009 18:00	18:00	1.7	13.2	1.6	0
26/07/2009 19:00	19:00	5.4	22.6	1.6	0
26/07/2009 20:00	20:00	4.5	27.4	1.6	1
26/07/2009 21:00	21:00	8.9	37.7	1.9	6
26/07/2009 22:00	22:00	22.1	40.2	2.4	8
26/07/2009 23:00	23:00	4.4	30.6	1.4	5
26/07/2009 24:00	0:00	2.6	26.4	1.1	6
27/07/2009 01:00	1:00	0.2	20.3	1.6	1
27/07/2009 02:00	2:00	0.0	17.0	3.0	2
27/07/2009 03:00	3:00	0.0	14.2	5.9	3
27/07/2009 04:00	4:00	0.0	16.3	9.9	6
27/07/2009 05:00	5:00	1.0	19.1	6.2	8
27/07/2009 06:00	6:00	17.6	22.8	3.5	10
27/07/2009 07:00	7:00	64.1	35.8	8.8	12
27/07/2009 08:00	8:00	90.9	40.2	11.0	22
27/07/2009 09:00	9:00	31.7	19.3	11.0	10
27/07/2009 10:00	10:00	62.0	37.9	21.9	19

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
27/07/2009 11:00	11:00	17.5	23.9	6.7	10
27/07/2009 12:00	12:00	23.3	33.3	8.8	8
27/07/2009 13:00	13:00	27.6	37.3	17.6	13
27/07/2009 14:00	14:00	18.0	30.8	12.0	13
27/07/2009 15:00	15:00	7.1	25.3	6.7	16
27/07/2009 16:00	16:00	3.7	23.9	5.4	17
27/07/2009 17:00	17:00	4.5	29.3	4.0	11
27/07/2009 18:00	18:00	4.9	30.4	5.6	5
27/07/2009 19:00	19:00	2.5	37.3	5.4	12
27/07/2009 20:00	20:00	2.6	44.4	7.0	7
27/07/2009 21:00	21:00	1.9	44.2	6.4	2
27/07/2009 22:00	22:00	4.5	46.3	8.8	8
27/07/2009 23:00	23:00	4.4	44.6	5.4	12
27/07/2009 24:00	0:00				14
28/07/2009 01:00	1:00	0.0	21.4	3.5	4
28/07/2009 02:00	2:00	0.0	16.7	3.0	9
28/07/2009 03:00	3:00	0.0	22.0	3.0	8
28/07/2009 04:00	4:00	2.7	30.4	3.2	6
28/07/2009 05:00	5:00	3.4	28.5	2.4	9
28/07/2009 06:00	6:00	79.1	41.5	5.1	14
28/07/2009 07:00	7:00	93.8	42.7	6.4	21
28/07/2009 08:00	8:00	61.6	35.8	7.0	27
28/07/2009 09:00	9:00	2.9	7.8	2.2	5
28/07/2009 10:00	10:00	1.1	5.4	1.6	8
28/07/2009 11:00	11:00	1.1	6.3	2.4	13
28/07/2009 12:00	12:00	1.1	9.0	2.4	17
28/07/2009 13:00	13:00	12.8	22.8	4.3	10
28/07/2009 14:00	14:00	19.8	41.5	7.8	14
28/07/2009 15:00	15:00	7.2	32.2	6.2	17
28/07/2009 16:00	16:00	4.1	30.4	9.1	19
28/07/2009 17:00	17:00	1.7	23.2	4.8	14
28/07/2009 18:00	18:00	2.0	34.3	13.6	18
28/07/2009 19:00	19:00	2.6	46.5	7.2	13
28/07/2009 20:00	20:00	0.0	30.6	3.8	10
28/07/2009 21:00	21:00	0.4	37.1	3.5	13
28/07/2009 22:00	22:00	19.6	94.6	4.6	22
28/07/2009 23:00	23:00				24
28/07/2009 24:00	0:00	11.4	64.5	3.2	16
29/07/2009 01:00	1:00	5.0	56.1	3.0	21
29/07/2009 02:00	2:00	0.0	23.9	3.8	10
29/07/2009 03:00	3:00	0.0	23.9	6.7	8

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
29/07/2009 04:00	4:00	0.0	24.5	8.8	18
29/07/2009 05:00	5:00	0.7	30.4	5.1	17
29/07/2009 06:00	6:00	9.1	36.9	5.1	20
29/07/2009 07:00	7:00	33.3	40.4	10.7	17
29/07/2009 08:00	8:00	53.9	41.4	9.4	30
29/07/2009 09:00	9:00	45.4	36.8	10.2	25
29/07/2009 10:00	10:00	3.2	14.9	7.0	13
29/07/2009 11:00	11:00	1.0	12.1	11.2	13
29/07/2009 12:00	12:00	0.4	10.0	9.1	15
29/07/2009 13:00	13:00	0.0	8.4	10.4	19
29/07/2009 14:00	14:00	4.9	16.8	9.1	14
29/07/2009 15:00	15:00	15.0	34.3	8.8	19
29/07/2009 16:00	16:00	21.7	68.3	19.5	27
29/07/2009 17:00	17:00	7.0	53.4	23.7	20
29/07/2009 18:00	18:00	1.4	27.8	4.6	12
29/07/2009 19:00	19:00	2.4	45.9	4.0	16
29/07/2009 20:00	20:00	0.9	42.3	4.0	14
29/07/2009 21:00	21:00	0.0	43.8	4.0	22
29/07/2009 22:00	22:00				18
29/07/2009 23:00	23:00	0.6	50.0	3.2	8
29/07/2009 24:00	0:00	7.6	42.9	3.5	7
30/07/2009 01:00	1:00	1.5	34.3	3.0	10
30/07/2009 02:00	2:00	0.0	19.5	3.2	3
30/07/2009 03:00	3:00	0.0	17.8	3.8	5
30/07/2009 04:00	4:00	0.0	14.9	3.8	12
30/07/2009 05:00	5:00	1.1	19.3	3.8	13
30/07/2009 06:00	6:00	6.5	25.5	3.5	8
30/07/2009 07:00	7:00	16.8	22.8	3.0	5
30/07/2009 08:00	8:00	13.5	28.1	3.2	16
30/07/2009 09:00	9:00	13.0	19.0	5.1	5
30/07/2009 10:00	10:00	7.1	13.8	5.9	7
30/07/2009 11:00	11:00	18.6	23.9	8.3	12
30/07/2009 12:00	12:00	34.9	30.2	28.5	14
30/07/2009 13:00	13:00	42.3	34.1	37.0	19
30/07/2009 14:00	14:00	58.3	36.9	58.6	18
30/07/2009 15:00	15:00	35.4	25.5	32.5	16
30/07/2009 16:00	16:00	54.1	30.4	54.3	10
30/07/2009 17:00	17:00	56.0	33.7	55.1	9
30/07/2009 18:00	18:00	42.0	41.0	51.4	11
30/07/2009 19:00	19:00	13.3	27.8	14.4	5
30/07/2009 20:00	20:00	4.6	16.8	8.0	6

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
30/07/2009 21:00	21:00				5
30/07/2009 22:00	22:00	10.6	24.5	14.2	5
30/07/2009 23:00	23:00	0.2	9.8	1.9	7
30/07/2009 24:00	0:00	0.1	6.5	1.6	8
31/07/2009 01:00	1:00	0.0	5.4	1.6	8
31/07/2009 02:00	2:00	0.0	5.0	1.4	8
31/07/2009 03:00	3:00	0.0	2.7	0.6	2
31/07/2009 04:00	4:00	0.0	1.9	1.1	1
31/07/2009 05:00	5:00	0.0	3.3	1.1	0
31/07/2009 06:00	6:00	7.6	14.2	9.1	3
31/07/2009 07:00	7:00	31.1	23.5	28.8	6
31/07/2009 08:00	8:00	28.3	21.2	30.4	7
31/07/2009 09:00	9:00	27.4	19.0	25.1	5
31/07/2009 10:00	10:00	22.1	17.2	21.3	4
31/07/2009 11:00	11:00	22.8	19.0	22.7	4
31/07/2009 12:00	12:00	37.7	24.3	44.5	7
31/07/2009 13:00	13:00	39.5	25.3	46.9	8
31/07/2009 14:00	14:00	42.0	25.1	52.5	9
31/07/2009 15:00	15:00	14.0	15.9	11.8	8
31/07/2009 16:00	16:00	9.5	14.5	3.0	0
31/07/2009 17:00	17:00	8.9	15.3	5.6	4
31/07/2009 18:00	18:00	44.4	30.2	64.7	8
31/07/2009 19:00	19:00	70.9	35.8	90.5	11
31/07/2009 20:00	20:00				6
31/07/2009 21:00	21:00	33.7	40.4	50.3	10
31/07/2009 22:00	22:00	27.8	36.4	32.5	16
31/07/2009 23:00	23:00	7.2	32.4	8.6	6
31/07/2009 24:00	0:00	35.9	34.8	46.9	9
01/08/2009 01:00	1:00	0.6	19.5	6.7	6
01/08/2009 02:00	2:00	0.4	17.4	4.6	6
01/08/2009 03:00	3:00	0.1	15.3	3.8	5
01/08/2009 04:00	4:00	0.0	7.8	1.9	2
01/08/2009 05:00	5:00	3.0	22.8	7.8	3
01/08/2009 06:00	6:00	9.2	23.2	7.8	5
01/08/2009 07:00	7:00	10.6	17.0	7.2	7
01/08/2009 08:00	8:00	8.0	12.3	4.8	7
01/08/2009 09:00	9:00	12.6	14.9	4.0	5
01/08/2009 10:00	10:00	16.7	18.2	3.8	4
01/08/2009 11:00	11:00	13.3	15.7	3.0	5
01/08/2009 12:00	12:00	9.0	16.5	1.6	5
01/08/2009 13:00	13:00	9.7	19.9	2.4	5

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
01/08/2009 14:00	14:00	5.4	12.8	1.9	5
01/08/2009 15:00	15:00	6.0	15.1	2.2	4
01/08/2009 16:00	16:00	12.1	18.8	17.6	5
01/08/2009 17:00	17:00	62.7	36.9	90.2	13
01/08/2009 18:00	18:00	125.5	43.1	169.8	22
01/08/2009 19:00	19:00				22
01/08/2009 20:00	20:00	78.7	44.6	99.3	21
01/08/2009 21:00	21:00	23.2	44.0	38.9	15
01/08/2009 22:00	22:00	52.3	39.8	72.2	16
01/08/2009 23:00	23:00	46.0	39.8	54.3	16
01/08/2009 24:00	0:00	59.1	39.1	77.7	16
02/08/2009 01:00	1:00	21.2	32.5	29.6	11
02/08/2009 02:00	2:00	1.7	24.3	10.4	5
02/08/2009 03:00	3:00	0.7	20.9	6.2	3
02/08/2009 04:00	4:00	1.1	19.5	4.8	4
02/08/2009 05:00	5:00	1.9	23.5	5.1	3
02/08/2009 06:00	6:00	1.0	14.7	4.3	3
02/08/2009 07:00	7:00	4.4	13.0	4.8	4
02/08/2009 08:00	8:00	4.5	9.8	4.6	7
02/08/2009 09:00	9:00	13.1	17.2	4.3	5
02/08/2009 10:00	10:00	17.0	18.6	4.0	4
02/08/2009 11:00	11:00	12.2	16.7	5.1	6
02/08/2009 12:00	12:00	9.9	20.5	5.4	8
02/08/2009 13:00	13:00	12.5	29.5	16.8	10
02/08/2009 14:00	14:00	4.4	16.3	3.5	4
02/08/2009 15:00	15:00	3.6	13.6	2.7	2
02/08/2009 16:00	16:00	2.0	10.0	2.2	2
02/08/2009 17:00	17:00	2.1	9.2	1.9	9
02/08/2009 18:00	18:00				4
02/08/2009 19:00	19:00	5.1	25.3	2.4	7
02/08/2009 20:00	20:00	3.7	32.4	1.6	9
02/08/2009 21:00	21:00	8.0	47.1	1.9	11
02/08/2009 22:00	22:00	6.5	40.6	1.9	13
02/08/2009 23:00	23:00	2.1	28.1	1.9	19
02/08/2009 24:00	0:00	1.1	27.9	2.2	9
03/08/2009 01:00	1:00	1.0	19.0	1.6	1
03/08/2009 02:00	2:00	0.0	8.2	1.1	2
03/08/2009 03:00	3:00	0.0	10.3	1.4	3
03/08/2009 04:00	4:00	0.0	12.1	1.4	4
03/08/2009 05:00	5:00	0.0	10.7	1.9	4
03/08/2009 06:00	6:00	0.0	6.9	1.4	4

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
03/08/2009 07:00	7:00	3.0	10.1	2.2	4
03/08/2009 08:00	8:00	5.1	12.1	2.2	4
03/08/2009 09:00	9:00	4.5	9.4	1.9	3
03/08/2009 10:00	10:00	1.6	6.3	1.6	3
03/08/2009 11:00	11:00	2.0	7.7	3.8	5
03/08/2009 12:00	12:00	0.6	4.8	1.9	3
03/08/2009 13:00	13:00	1.4	6.5	1.9	7
03/08/2009 14:00	14:00	2.5	12.6	3.2	12
03/08/2009 15:00	15:00	4.2	13.0	2.2	5
03/08/2009 16:00	16:00	2.6	9.4	1.4	8
03/08/2009 17:00	17:00				6
03/08/2009 18:00	18:00	3.2	13.4	1.6	7
03/08/2009 19:00	19:00	2.0	13.8	1.4	9
03/08/2009 20:00	20:00	1.7	16.3	1.6	8
03/08/2009 21:00	21:00	0.2	11.3	1.4	7
03/08/2009 22:00	22:00	0.1	7.7	1.1	5
03/08/2009 23:00	23:00	0.1	21.2	2.4	7
03/08/2009 24:00	0:00	0.5	18.4	1.6	9
04/08/2009 01:00	1:00	0.0	12.3	2.2	7
04/08/2009 02:00	2:00	0.0	5.7	1.9	7
04/08/2009 03:00	3:00	0.0	8.2	1.6	7
04/08/2009 04:00	4:00	0.0	10.9	2.2	8
04/08/2009 05:00	5:00	0.1	11.7	2.4	6
04/08/2009 06:00	6:00	1.0	16.8	3.5	12
04/08/2009 07:00	7:00	2.5	12.1	4.0	9
04/08/2009 08:00	8:00	7.1	14.4	4.3	12
04/08/2009 09:00	9:00	10.4	16.7	3.2	11
04/08/2009 10:00	10:00	3.0	7.3	1.6	6
04/08/2009 11:00	11:00	2.9	7.3	2.2	6
04/08/2009 12:00	12:00	1.7	5.4	1.9	7
04/08/2009 13:00	13:00	5.5	9.8	1.9	6
04/08/2009 14:00	14:00	7.4	12.6	1.9	5
04/08/2009 15:00	15:00	4.2	9.6	3.5	4
04/08/2009 16:00	16:00				5
04/08/2009 17:00	17:00	7.0	17.6	1.6	5
04/08/2009 18:00	18:00	2.7	11.7	1.4	6
04/08/2009 19:00	19:00	1.6	12.4	1.4	8
04/08/2009 20:00	20:00	1.5	13.0	1.1	9
04/08/2009 21:00	21:00	0.1	7.5	1.1	17
04/08/2009 22:00	22:00	0.2	7.3	0.9	17
04/08/2009 23:00	23:00	0.1	7.5	1.1	15

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
04/08/2009 24:00	0:00	0.0	5.4	1.1	16
05/08/2009 01:00	1:00	0.0	5.4	1.1	16
05/08/2009 02:00	2:00	0.0	2.3	1.1	10
05/08/2009 03:00	3:00	0.0	2.3	1.1	5
05/08/2009 04:00	4:00	0.0	3.3	0.9	5
05/08/2009 05:00	5:00	0.0	7.8	1.1	9
05/08/2009 06:00	6:00	2.1	18.8	1.4	10
05/08/2009 07:00	7:00	3.5	17.6	1.4	11
05/08/2009 08:00	8:00	6.0	17.4	3.8	9
05/08/2009 09:00	9:00	6.9	14.7	2.7	9
05/08/2009 10:00	10:00	7.7	16.7	3.2	9
05/08/2009 11:00	11:00	4.6	10.9	1.6	6
05/08/2009 12:00	12:00	5.4	11.7	2.7	5
05/08/2009 13:00	13:00	8.0	15.9	3.0	5
05/08/2009 14:00	14:00	10.4	17.2	3.8	8
05/08/2009 15:00	15:00				6
05/08/2009 16:00	16:00	6.1	15.1	6.4	3
05/08/2009 17:00	17:00	4.5	13.0	3.0	5
05/08/2009 18:00	18:00	2.0	10.5	1.4	3
05/08/2009 19:00	19:00	1.6	9.6	1.6	5
05/08/2009 20:00	20:00	0.7	12.1	1.4	5
05/08/2009 21:00	21:00	0.9	11.3	1.4	3
05/08/2009 22:00	22:00	0.7	11.3	1.1	3
05/08/2009 23:00	23:00	0.0	8.6	1.1	3
05/08/2009 24:00	0:00	0.0	7.3	1.1	4
06/08/2009 01:00	1:00	0.0	5.0	1.1	4
06/08/2009 02:00	2:00	0.0	4.6	1.1	3
06/08/2009 03:00	3:00	0.0	8.4	1.1	4
06/08/2009 04:00	4:00	0.0	6.5	1.1	4
06/08/2009 05:00	5:00	0.9	12.1	1.4	5
06/08/2009 06:00	6:00	2.4	21.8	1.1	7
06/08/2009 07:00	7:00	11.2	36.9	1.9	8
06/08/2009 08:00	8:00	13.5	40.8	4.3	13
06/08/2009 09:00	9:00	31.9	47.3	17.3	17
06/08/2009 10:00	10:00	30.8	47.9	14.4	19
06/08/2009 11:00	11:00	23.6	43.6	5.6	22
06/08/2009 12:00	12:00	15.6	22.8	4.0	23
06/08/2009 13:00	13:00	8.4	17.0	6.2	10
06/08/2009 14:00	14:00				16
06/08/2009 15:00	15:00	12.8	23.2	14.2	10
06/08/2009 16:00	16:00	6.2	18.6	2.2	8

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
06/08/2009 17:00	17:00	16.2	32.9	14.4	10
06/08/2009 18:00	18:00	23.2	43.1	34.4	13
06/08/2009 19:00	19:00	30.2	52.5	55.4	14
06/08/2009 20:00	20:00	6.7	32.4	22.4	9
06/08/2009 21:00	21:00	1.0	11.9	2.7	9
06/08/2009 22:00	22:00	0.0	6.1	1.6	7
06/08/2009 23:00	23:00	0.0	6.9	1.6	9
06/08/2009 24:00	0:00	0.0	4.8	1.6	7
07/08/2009 01:00	1:00	0.0	4.0	1.4	6
07/08/2009 02:00	2:00	0.0	4.4	1.4	6
07/08/2009 03:00	3:00	0.0	4.4	1.1	5
07/08/2009 04:00	4:00	0.0	6.9	1.1	4
07/08/2009 05:00	5:00	0.0	14.0	1.1	3
07/08/2009 06:00	6:00	3.7	30.4	1.4	4
07/08/2009 07:00	7:00	12.2	35.4	1.6	4
07/08/2009 08:00	8:00	7.7	23.5	1.6	4
07/08/2009 09:00	9:00	6.7	20.3	1.4	4
07/08/2009 10:00	10:00	6.9	19.3	1.9	5
07/08/2009 11:00	11:00	6.7	18.6	1.6	5
07/08/2009 12:00	12:00	5.9	14.7	1.6	5
07/08/2009 13:00	13:00				6
07/08/2009 14:00	14:00	11.1	22.2	7.8	7
07/08/2009 15:00	15:00	9.7	19.7	4.3	6
07/08/2009 16:00	16:00	9.6	23.0	5.4	4
07/08/2009 17:00	17:00	7.2	19.3	4.3	5
07/08/2009 18:00	18:00	13.7	25.5	16.0	8
07/08/2009 19:00	19:00	9.6	25.8	14.2	8
07/08/2009 20:00	20:00	26.2	40.6	49.3	13
07/08/2009 21:00	21:00	32.2	52.8	63.4	15
07/08/2009 22:00	22:00	31.1	50.0	61.0	14
07/08/2009 23:00	23:00	20.0	52.3	53.0	12
07/08/2009 24:00	0:00	4.2	16.1	14.4	8
08/08/2009 01:00	1:00	0.0	10.1	4.6	9
08/08/2009 02:00	2:00	0.0	14.5	5.6	8
08/08/2009 03:00	3:00	0.0	11.7	4.8	10
08/08/2009 04:00	4:00	0.0	14.7	5.9	11
08/08/2009 05:00	5:00	0.1	17.4	6.2	12
08/08/2009 06:00	6:00	1.5	14.9	3.8	11
08/08/2009 07:00	7:00	2.2	14.2	2.4	12
08/08/2009 08:00	8:00	2.2	9.4	2.2	9
08/08/2009 09:00	9:00	3.1	10.9	2.2	7

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
08/08/2009 10:00	10:00	5.2	11.5	3.2	10
08/08/2009 11:00	11:00	18.1	24.3	17.3	14
08/08/2009 12:00	12:00				9
08/08/2009 13:00	13:00	7.6	16.5	3.0	8
08/08/2009 14:00	14:00	5.0	11.3	1.6	2
08/08/2009 15:00	15:00	4.1	8.2	1.9	3
08/08/2009 16:00	16:00	3.9	9.8	3.5	0
08/08/2009 17:00	17:00	1.5	8.8	2.4	6
08/08/2009 18:00	18:00	1.0	11.1	3.5	10
08/08/2009 19:00	19:00	2.0	20.5	5.9	10
08/08/2009 20:00	20:00	2.6	24.3	6.4	8
08/08/2009 21:00	21:00	17.0	34.5	21.6	5
08/08/2009 22:00	22:00	95.7	41.2	104.9	17
08/08/2009 23:00	23:00	13.0	26.4	15.8	7
08/08/2009 24:00	0:00	52.4	33.1	56.2	9
09/08/2009 01:00	1:00	11.2	25.7	15.8	4
09/08/2009 02:00	2:00	0.6	17.6	4.3	2
09/08/2009 03:00	3:00	2.2	22.6	3.8	0
09/08/2009 04:00	4:00	5.2	23.4	3.8	0
09/08/2009 05:00	5:00	5.0	23.7	3.5	2
09/08/2009 06:00	6:00	4.7	19.1	2.4	6
09/08/2009 07:00	7:00	11.2	19.3	2.4	9
09/08/2009 08:00	8:00	9.5	15.3	1.9	7
09/08/2009 09:00	9:00	17.0	16.3	2.2	0
09/08/2009 10:00	10:00	6.5	11.3	1.6	1
09/08/2009 11:00	11:00				1
09/08/2009 12:00	12:00	3.7	7.7	1.6	
09/08/2009 13:00	13:00	4.9	9.4	2.2	0
09/08/2009 14:00	14:00	5.2	11.3	3.0	
09/08/2009 15:00	15:00	6.0	12.8	2.4	0
09/08/2009 16:00	16:00	2.7	6.3	1.6	1
09/08/2009 17:00	17:00	2.4	6.9	1.4	0
09/08/2009 18:00	18:00	2.4	6.5	1.4	0
09/08/2009 19:00	19:00	1.0	5.4	1.1	0
09/08/2009 20:00	20:00	1.0	6.3	0.9	0
09/08/2009 21:00	21:00	1.4	9.8	0.9	0
09/08/2009 22:00	22:00	0.5	8.0	1.1	0
09/08/2009 23:00	23:00	0.2	10.5	1.1	0
09/08/2009 24:00	0:00	0.0	7.8	1.1	0
10/08/2009 01:00	1:00	0.0	10.3	1.9	0
10/08/2009 02:00	2:00	0.0	12.8	2.7	0

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
10/08/2009 03:00	3:00	0.0	7.1	1.4	10
10/08/2009 04:00	4:00	0.0	3.6	1.1	1
10/08/2009 05:00	5:00	0.4	7.5	1.1	0
10/08/2009 06:00	6:00	1.0	22.8	1.1	1
10/08/2009 07:00	7:00	1.0	14.4	1.1	2
10/08/2009 08:00	8:00	2.6	14.2	1.4	0
10/08/2009 09:00	9:00	2.2	12.4	2.2	0
10/08/2009 10:00	10:00				2
10/08/2009 11:00	11:00				0
10/08/2009 12:00	12:00				3
10/08/2009 13:00	13:00				3
10/08/2009 14:00	14:00				4
10/08/2009 15:00	15:00				4
10/08/2009 16:00	16:00				3
10/08/2009 17:00	17:00			1.6	5
10/08/2009 18:00	18:00	5.5	24.1	1.9	
10/08/2009 19:00	19:00	4.6	32.2	4.3	2
10/08/2009 20:00	20:00	2.5	29.9	3.0	5
10/08/2009 21:00	21:00	1.5	30.4	2.7	4
10/08/2009 22:00	22:00	1.1	29.9	3.8	0
10/08/2009 23:00	23:00	10.2	43.1	6.2	7
10/08/2009 24:00	0:00	5.7	37.9	5.6	6
11/08/2009 01:00	1:00	1.5	28.5	5.4	2
11/08/2009 02:00	2:00	0.2	13.8	2.7	2
11/08/2009 03:00	3:00	0.0	5.9	1.6	0
11/08/2009 04:00	4:00	0.0	11.3	1.4	0
11/08/2009 05:00	5:00	2.2	15.9	1.4	0
11/08/2009 06:00	6:00	6.0	27.8	2.2	0
11/08/2009 07:00	7:00	12.2	26.6	1.9	2
11/08/2009 08:00	8:00	14.6	23.2	1.9	2
11/08/2009 09:00	9:00				3
11/08/2009 10:00	10:00	21.3	24.3	3.8	2
11/08/2009 11:00	11:00	13.6	19.0	3.0	3
11/08/2009 12:00	12:00	12.1	19.7	2.7	0
11/08/2009 13:00	13:00	6.6	13.6	4.0	0
11/08/2009 14:00	14:00	8.2	14.7	2.2	5
11/08/2009 15:00	15:00	3.5	9.6	3.8	3
11/08/2009 16:00	16:00	9.4	20.1	5.9	1
11/08/2009 17:00	17:00	5.4	16.5	3.2	0
11/08/2009 18:00	18:00	5.4	22.0	3.2	3
11/08/2009 19:00	19:00	2.7	16.1	2.2	0

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
11/08/2009 20:00	20:00	1.6	21.6	1.6	1
11/08/2009 21:00	21:00	5.4	32.7	1.9	0
11/08/2009 22:00	22:00	13.1	42.3	1.9	0
11/08/2009 23:00	23:00	9.0	35.8	1.9	0
11/08/2009 24:00	0:00	9.0	31.2	1.9	3
12/08/2009 01:00	1:00	2.9	21.1	1.6	1
12/08/2009 02:00	2:00	0.6	14.9	1.1	4
12/08/2009 03:00	3:00	1.0	19.0	1.4	2
12/08/2009 04:00	4:00	1.9	19.9	1.4	3
12/08/2009 05:00	5:00	7.0	18.8	1.4	2
12/08/2009 06:00	6:00	33.1	20.1	1.6	5
12/08/2009 07:00	7:00	58.3	23.4	3.8	6
12/08/2009 08:00	8:00				5
12/08/2009 09:00	9:00	24.4	30.4	3.2	5
12/08/2009 10:00	10:00	11.2	17.0	8.8	0
12/08/2009 11:00	11:00	6.4	13.4	8.8	1
12/08/2009 12:00	12:00	13.0	15.7	3.2	0
12/08/2009 13:00	13:00	15.1	17.6	3.8	3
12/08/2009 14:00	14:00	24.1	21.2	5.4	10
12/08/2009 15:00	15:00	12.2	18.0	3.2	1
12/08/2009 16:00	16:00	6.9	15.9	3.2	
12/08/2009 17:00	17:00	7.5	17.8	1.6	0
12/08/2009 18:00	18:00	4.1	12.6	1.6	0
12/08/2009 19:00	19:00	1.9	9.8	1.4	0
12/08/2009 20:00	20:00	1.6	10.9	1.6	3
12/08/2009 21:00	21:00	1.7	13.8	1.1	3
12/08/2009 22:00	22:00	0.9	8.8	1.1	3
12/08/2009 23:00	23:00	1.0	6.5	1.1	4
12/08/2009 24:00	0:00	0.1	4.8	1.1	3
13/08/2009 01:00	1:00	0.0	3.4	1.1	1
13/08/2009 02:00	2:00	0.0	3.4	1.1	2
13/08/2009 03:00	3:00	0.1	7.8	1.6	2
13/08/2009 04:00	4:00	0.0	5.6	1.6	3
13/08/2009 05:00	5:00	0.9	9.6	1.4	3
13/08/2009 06:00	6:00	3.1	14.7	1.1	3
13/08/2009 07:00	7:00				5
13/08/2009 08:00	8:00	30.9	34.5	3.5	6
13/08/2009 09:00	9:00			1.9	4
13/08/2009 10:00	10:00	17.1	15.9	1.6	8
13/08/2009 11:00	11:00			1.6	1
13/08/2009 12:00	12:00			2.2	7

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
13/08/2009 13:00	13:00			1.6	0
13/08/2009 14:00	14:00			1.9	9
13/08/2009 15:00	15:00			2.2	4
13/08/2009 16:00	16:00			1.6	10
13/08/2009 17:00	17:00			1.4	6
13/08/2009 18:00	18:00			1.4	3
13/08/2009 19:00	19:00			2.2	4
13/08/2009 20:00	20:00			4.6	6
13/08/2009 21:00	21:00			1.9	0
13/08/2009 22:00	22:00			1.4	0
13/08/2009 23:00	23:00			1.1	1
13/08/2009 24:00	0:00			1.4	0
14/08/2009 01:00	1:00			1.1	1
14/08/2009 02:00	2:00			1.1	0
14/08/2009 03:00	3:00			1.4	1
14/08/2009 04:00	4:00			1.1	3
14/08/2009 05:00	5:00			1.1	2
14/08/2009 06:00	6:00				5
14/08/2009 07:00	7:00			1.9	5
14/08/2009 08:00	8:00			2.7	9
14/08/2009 09:00	9:00			2.4	7
14/08/2009 10:00	10:00			1.6	6
14/08/2009 11:00	11:00			1.1	3
14/08/2009 12:00	12:00			1.4	1
14/08/2009 13:00	13:00			1.4	1
14/08/2009 14:00	14:00			1.4	3
14/08/2009 15:00	15:00			1.9	6
14/08/2009 16:00	16:00			1.9	4
14/08/2009 17:00	17:00	10.4	18.8	4.3	4
14/08/2009 18:00	18:00	4.7	14.2	4.3	4
14/08/2009 19:00	19:00	2.7	13.2	1.1	3
14/08/2009 20:00	20:00	7.7	28.3	13.1	6
14/08/2009 21:00	21:00	1.4	10.3	2.7	2
14/08/2009 22:00	22:00	1.7	10.7	2.4	1
14/08/2009 23:00	23:00	0.9	8.2	1.4	2
14/08/2009 24:00	0:00	0.0	7.3	1.1	2
15/08/2009 01:00	1:00	0.0	7.3	1.1	2
15/08/2009 02:00	2:00	0.0	3.6	1.1	2
15/08/2009 03:00	3:00	0.0	4.4	0.9	3
15/08/2009 04:00	4:00	0.0	10.3	1.4	4
15/08/2009 05:00	5:00				3

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
15/08/2009 06:00	6:00	8.4	27.9	2.2	8
15/08/2009 07:00	7:00	6.2	18.6	2.7	5
15/08/2009 08:00	8:00	6.4	15.5	3.2	4
15/08/2009 09:00	9:00	11.0	14.9	4.0	5
15/08/2009 10:00	10:00	13.2	17.8	5.4	7
15/08/2009 11:00	11:00	12.2	15.5	7.2	5
15/08/2009 12:00	12:00	7.2	11.5	4.6	2
15/08/2009 13:00	13:00	5.9	9.4	2.2	3
15/08/2009 14:00	14:00	4.1	8.2	1.9	5
15/08/2009 15:00	15:00	2.1	6.1	1.6	5
15/08/2009 16:00	16:00	2.0	8.6	1.6	4
15/08/2009 17:00	17:00	6.6	20.9	4.6	4
15/08/2009 18:00	18:00	6.0	27.8	8.0	5
15/08/2009 19:00	19:00	8.4	32.7	7.5	7
15/08/2009 20:00	20:00	3.2	36.4	3.2	6
15/08/2009 21:00	21:00	3.7	36.6	1.9	24
15/08/2009 22:00	22:00	6.4	41.4	3.5	8
15/08/2009 23:00	23:00	20.1	40.4	3.2	8
15/08/2009 24:00	0:00	22.3	35.2	3.0	8
16/08/2009 01:00	1:00	20.5	35.2	2.7	7
16/08/2009 02:00	2:00	25.9	24.1	2.2	7
16/08/2009 03:00	3:00	21.0	21.1	2.2	6
16/08/2009 04:00	4:00				7
16/08/2009 05:00	5:00	14.0	16.5	1.6	5
16/08/2009 06:00	6:00	17.2	14.5	1.6	7
16/08/2009 07:00	7:00	27.2	15.1	2.2	17
16/08/2009 08:00	8:00	8.2	13.6	1.9	5
16/08/2009 09:00	9:00	1.7	5.0	1.9	1
16/08/2009 10:00	10:00	0.7	3.8	1.4	3
16/08/2009 11:00	11:00	0.6	3.1	1.4	3
16/08/2009 12:00	12:00	1.9	4.8	1.9	7
16/08/2009 13:00	13:00	12.3	20.3	4.0	11
16/08/2009 14:00	14:00	7.0	15.5	3.8	6
16/08/2009 15:00	15:00	5.9	16.5	3.5	4
16/08/2009 16:00	16:00	3.1	11.9	2.7	3
16/08/2009 17:00	17:00	2.5	12.3	2.4	3
16/08/2009 18:00	18:00	2.5	16.8	1.9	6
16/08/2009 19:00	19:00	2.1	19.9	1.9	4
16/08/2009 20:00	20:00	0.4	20.3	1.1	4
16/08/2009 21:00	21:00	1.2	22.4	2.2	6
16/08/2009 22:00	22:00	0.9	25.3	1.4	6

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
16/08/2009 23:00	23:00	0.5	24.5	1.1	6
16/08/2009 24:00	0:00	1.4	31.2	1.4	7
17/08/2009 01:00	1:00	0.7	26.4	1.6	7
17/08/2009 02:00	2:00	0.1	18.0	1.6	5
17/08/2009 03:00	3:00				7
17/08/2009 04:00	4:00	0.4	21.6	1.9	8
17/08/2009 05:00	5:00	2.4	24.9	1.4	9
17/08/2009 06:00	6:00	12.6	25.3	1.9	9
17/08/2009 07:00	7:00	50.4	31.2	3.2	13
17/08/2009 08:00	8:00	21.5	26.0	3.2	9
17/08/2009 09:00	9:00	1.9	8.6	3.0	3
17/08/2009 10:00	10:00	15.8	15.5	3.0	4
17/08/2009 11:00	11:00	42.5	32.2	11.8	12
17/08/2009 12:00	12:00	21.5	19.1	9.4	8
17/08/2009 13:00	13:00	35.6	30.6	9.4	12
17/08/2009 14:00	14:00	24.9	30.8	9.9	10
17/08/2009 15:00	15:00	23.5	33.9	9.6	10
17/08/2009 16:00	16:00	18.3	32.0	7.8	5
17/08/2009 17:00	17:00	10.5	27.4	5.9	8
17/08/2009 18:00	18:00	7.1	29.1	5.9	4
17/08/2009 19:00	19:00	5.9	37.9	5.6	4
17/08/2009 20:00	20:00	1.4	34.8	3.2	6
17/08/2009 21:00	21:00	10.9	53.4	3.0	7
17/08/2009 22:00	22:00	2.5	39.8	2.2	7
17/08/2009 23:00	23:00	14.7	50.9	3.5	8
17/08/2009 24:00	0:00	8.6	42.9	3.2	9
18/08/2009 01:00	1:00	1.2	23.5	3.5	6
18/08/2009 02:00	2:00				6
18/08/2009 03:00	3:00	1.4	28.7	3.5	5
18/08/2009 04:00	4:00	0.9	27.2	3.5	2
18/08/2009 05:00	5:00	2.1	26.4	4.8	4
18/08/2009 06:00	6:00	13.5	29.7	4.6	8
18/08/2009 07:00	7:00	59.4	34.5	6.4	12
18/08/2009 08:00	8:00	28.6	34.8	6.2	9
18/08/2009 09:00	9:00	8.5	17.2	3.8	4
18/08/2009 10:00	10:00	13.1	17.8	5.9	4
18/08/2009 11:00	11:00	30.1	36.2	11.8	9
18/08/2009 12:00	12:00	4.9	10.7	3.2	6
18/08/2009 13:00	13:00	23.1	32.2	5.9	8
18/08/2009 14:00	14:00	6.4	16.1	3.2	6
18/08/2009 15:00	15:00	16.2	35.0	6.2	

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
18/08/2009 16:00	16:00	11.7	33.9	9.4	10
18/08/2009 17:00	17:00	8.0	30.2	5.1	7
18/08/2009 18:00	18:00	5.0	29.5	6.7	6
18/08/2009 19:00	19:00	2.2	29.5	3.8	4
18/08/2009 20:00	20:00	1.6	30.4	3.0	4
18/08/2009 21:00	21:00	1.2	27.2	3.2	4
18/08/2009 22:00	22:00	0.5	24.9	2.4	5
18/08/2009 23:00	23:00	0.0	25.1	2.7	6
18/08/2009 24:00	0:00				7
19/08/2009 01:00	1:00	0.0	18.4	3.0	8
19/08/2009 02:00	2:00	0.0	15.1	3.5	7
19/08/2009 03:00	3:00	0.0	14.9	3.2	7
19/08/2009 04:00	4:00	3.0	31.2	3.0	9
19/08/2009 05:00	5:00	4.2	36.0	3.0	8
19/08/2009 06:00	6:00	20.7	41.7	4.6	9
19/08/2009 07:00	7:00	49.8	40.2	5.6	13
19/08/2009 08:00	8:00	18.8	19.0	4.6	10
19/08/2009 09:00	9:00	5.0	9.0	4.3	4
19/08/2009 10:00	10:00	17.5	17.8	5.1	5
19/08/2009 11:00	11:00	2.9	6.1	3.8	3
19/08/2009 12:00	12:00	1.2	4.2	3.0	3
19/08/2009 13:00	13:00	1.9	6.7	4.0	5
19/08/2009 14:00	14:00	1.0	5.2	3.8	4
19/08/2009 15:00	15:00	0.6	4.2	2.7	5
19/08/2009 16:00	16:00	18.8	31.4	7.8	7
19/08/2009 17:00	17:00	24.3	43.8	9.1	10
19/08/2009 18:00	18:00	7.4	34.6	13.4	7
19/08/2009 19:00	19:00	4.0	41.2	17.1	10
19/08/2009 20:00	20:00	2.4	50.2	12.3	11
19/08/2009 21:00	21:00	1.6	55.5	5.6	11
19/08/2009 22:00	22:00	1.7	64.3	7.0	13
19/08/2009 23:00	23:00				14
19/08/2009 24:00	0:00	28.8	60.9	5.9	16
20/08/2009 01:00	1:00	21.0	49.2	4.6	13
20/08/2009 02:00	2:00	19.5	49.8	5.1	13
20/08/2009 03:00	3:00	2.2	35.2	6.4	11
20/08/2009 04:00	4:00	0.7	29.7	4.6	11
20/08/2009 05:00	5:00	3.2	31.0	4.3	11
20/08/2009 06:00	6:00	12.7	35.0	4.3	12
20/08/2009 07:00	7:00	43.5	47.7	12.0	18
20/08/2009 08:00	8:00	37.8	32.4	20.0	10

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
20/08/2009 09:00	9:00	29.4	29.7	21.1	10
20/08/2009 10:00	10:00	49.9	34.1	56.2	11
20/08/2009 11:00	11:00	26.4	24.1	24.0	6
20/08/2009 12:00	12:00	46.0	30.2	47.1	10
20/08/2009 13:00	13:00	28.1	22.0	24.8	5
20/08/2009 14:00	14:00	11.7	14.2	5.9	4
20/08/2009 15:00	15:00	7.6	11.7	2.4	3
20/08/2009 16:00	16:00	7.0	12.4	2.4	1
20/08/2009 17:00	17:00	5.2	11.7	2.4	2
20/08/2009 18:00	18:00	3.1	9.2	1.9	1
20/08/2009 19:00	19:00	3.2	10.5	2.4	0
20/08/2009 20:00	20:00	2.0	8.6	1.9	2
20/08/2009 21:00	21:00	1.4	8.8	1.9	1
20/08/2009 22:00	22:00				2
20/08/2009 23:00	23:00	0.2	3.3	1.6	0
20/08/2009 24:00	0:00	0.1	4.0	1.4	1
21/08/2009 01:00	1:00	0.0	2.5	1.4	1
21/08/2009 02:00	2:00	0.0	1.3	1.4	2
21/08/2009 03:00	3:00	0.1	1.5	1.4	4
21/08/2009 04:00	4:00	0.0	1.7	1.4	2
21/08/2009 05:00	5:00	0.2	3.1	1.1	3
21/08/2009 06:00	6:00	3.6	14.2	1.6	3
21/08/2009 07:00	7:00	10.6	24.5	1.9	5
21/08/2009 08:00	8:00	16.7	27.0	2.2	5
21/08/2009 09:00	9:00	17.3	23.5	2.7	4
21/08/2009 10:00	10:00	18.8	23.2	4.3	6
21/08/2009 11:00	11:00	21.3	25.8	5.4	6
21/08/2009 12:00	12:00	22.8	24.7	5.1	6
21/08/2009 13:00	13:00	12.7	16.3	3.2	4
21/08/2009 14:00	14:00	9.4	14.0	3.0	3
21/08/2009 15:00	15:00	14.0	18.2	4.6	6
21/08/2009 16:00	16:00	10.4	13.8	2.7	3
21/08/2009 17:00	17:00	9.7	12.8	4.8	1
21/08/2009 18:00	18:00	6.0	10.7	3.8	0
21/08/2009 19:00	19:00	2.7	11.5	2.2	0
21/08/2009 20:00	20:00	0.9	8.4	1.6	0
21/08/2009 21:00	21:00				1
21/08/2009 22:00	22:00	1.2	8.8	1.4	2
21/08/2009 23:00	23:00	0.6	7.7	1.9	5
21/08/2009 24:00	0:00	0.0	7.5	2.2	8
22/08/2009 01:00	1:00	0.1	6.5	1.9	6

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
22/08/2009 02:00	2:00	0.0	4.0	1.6	4
22/08/2009 03:00	3:00	0.0	2.5	1.4	4
22/08/2009 04:00	4:00	0.0	2.7	1.1	2
22/08/2009 05:00	5:00	0.0	5.9	1.4	2
22/08/2009 06:00	6:00	3.2	17.0	1.4	4
22/08/2009 07:00	7:00	19.8	26.8	2.2	5
22/08/2009 08:00	8:00	7.9	17.4	2.2	4
22/08/2009 09:00	9:00	5.1	14.0	1.6	6
22/08/2009 10:00	10:00	5.9	12.6	1.6	6
22/08/2009 11:00	11:00	5.5	11.9	1.9	4
22/08/2009 12:00	12:00	3.2	8.8	1.9	5
22/08/2009 13:00	13:00	1.5	5.4	1.9	3
22/08/2009 14:00	14:00	0.4	3.4	1.6	6
22/08/2009 15:00	15:00	0.6	4.2	1.6	6
22/08/2009 16:00	16:00	1.5	6.5	1.9	7
22/08/2009 17:00	17:00	0.6	5.4	2.4	5
22/08/2009 18:00	18:00	2.1	15.9	7.2	7
22/08/2009 19:00	19:00	1.2	14.4	2.2	7
22/08/2009 20:00	20:00				6
22/08/2009 21:00	21:00	2.0	16.7	1.9	6
22/08/2009 22:00	22:00	2.0	12.4	1.6	5
22/08/2009 23:00	23:00	1.6	11.5	1.4	5
22/08/2009 24:00	0:00	0.0	5.2	1.6	4
23/08/2009 01:00	1:00	0.1	5.4	1.6	5
23/08/2009 02:00	2:00	0.0	4.0	2.2	4
23/08/2009 03:00	3:00	0.0	3.1	1.6	3
23/08/2009 04:00	4:00	0.0	2.1	1.6	5
23/08/2009 05:00	5:00	0.0	2.3	1.4	5
23/08/2009 06:00	6:00	0.0	4.2	1.4	5
23/08/2009 07:00	7:00	0.5	6.1	1.6	5
23/08/2009 08:00	8:00	1.5	6.1	1.6	5
23/08/2009 09:00	9:00	2.4	6.5	1.4	6
23/08/2009 10:00	10:00	2.6	6.9	1.6	6
23/08/2009 11:00	11:00	2.5	7.3	2.2	5
23/08/2009 12:00	12:00	2.5	7.3	1.6	4
23/08/2009 13:00	13:00	2.7	6.9	1.9	3
23/08/2009 14:00	14:00	2.4	6.5	1.9	2
23/08/2009 15:00	15:00	2.6	7.5	1.6	4
23/08/2009 16:00	16:00	2.7	9.4	3.0	6
23/08/2009 17:00	17:00	2.6	10.7	3.2	7
23/08/2009 18:00	18:00	2.4	12.6	2.2	5

**TOPAZ 1-HOUR DATA (ug/m<sup>3</sup>)**

Date & Time	Time	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
23/08/2009 19:00	19:00				4
23/08/2009 20:00	20:00	0.9	13.8	1.9	4
23/08/2009 21:00	21:00	0.2	8.0	2.2	6
23/08/2009 22:00	22:00	0.6	14.4	2.2	7
23/08/2009 23:00	23:00	0.5	11.3	1.9	6
23/08/2009 24:00	0:00	0.0	6.5	1.6	6
24/08/2009 01:00	1:00	0.0	5.4	1.6	5
24/08/2009 02:00	2:00	0.0	5.0	1.6	4
24/08/2009 03:00	3:00	0.2	16.3	1.4	5
24/08/2009 04:00	4:00	3.6	20.7	1.9	5
24/08/2009 05:00	5:00	3.0	20.3	1.6	5
24/08/2009 06:00	6:00	26.9	23.0	2.4	7
24/08/2009 07:00	7:00	22.5	22.2	3.0	13
24/08/2009 08:00	8:00	11.7	16.8	3.2	8
24/08/2009 09:00	9:00	4.2	7.8	3.2	6
24/08/2009 10:00	10:00	3.1	6.7	3.5	5
24/08/2009 11:00	11:00	12.8	16.8	6.4	9
24/08/2009 12:00	12:00	10.4	16.8	7.0	10
24/08/2009 13:00	13:00	15.1	21.1	7.8	10
24/08/2009 14:00	14:00	12.6	20.9	4.6	7
24/08/2009 15:00	15:00	11.2	22.6	3.2	6
24/08/2009 16:00	16:00	17.1	26.4	6.4	5
24/08/2009 17:00	17:00	5.6	16.3	3.0	2
24/08/2009 18:00	18:00				5
24/08/2009 19:00	19:00	1.6	17.2	2.7	8
24/08/2009 20:00	20:00	1.4	17.2	2.4	9
24/08/2009 21:00	21:00	1.0	10.7	2.2	5
24/08/2009 22:00	22:00	0.2	10.9	2.2	3
24/08/2009 23:00	23:00	0.5	16.5	2.2	3
24/08/2009 24:00	0:00	0.0	16.5	2.2	5

## Appendix VI. TOPAZ 24-hour data

### TOPAZ 24-HOUR DATA (ug/m<sub>3</sub>)

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
26-May-09	1.0	9.6	1.4	1.5
27-May-09	7.3	18.3	7.3	3.4
28-May-09	9.7	35.1	11.7	8.4
30-May-09	11.1	30.0	12.6	5.7
31-May-09	6.6	31.3	6.3	7.4
1-Jun-09	10.1	40.5	7.4	10.9
2-Jun-09	4.9	35.9	5.2	15.2
3-Jun-09	4.9	36.8	9.6	12.8
4-Jun-09	4.9	36.5	8.3	12.8
5-Jun-09	4.1	19.1	4.2	9.3
6-Jun-09	11.3	23.1	16.5	9.7
7-Jun-09	3.2	11.1	5.0	6.0
8-Jun-09	4.8	18.3	4.3	6.1
9-Jun-09	5.5	17.4	4.9	6.6
10-Jun-09	6.3	15.9	7.9	7.0
11-Jun-09	3.8	13.3	2.7	5.8
12-Jun-09	3.7	13.7	2.5	5.6
13-Jun-09	2.1	9.1	1.3	3.5
14-Jun-09	0.9	5.0	1.3	3.1
15-Jun-09	4.3	11.1	3.0	2.3
16-Jun-09	7.3	15.0	2.1	2.7
17-Jun-09	8.0	13.5	7.2	1.8
18-Jun-09	9.7	19.1	8.1	1.5
19-Jun-09	4.4	12.0	2.5	2.3
20-Jun-09	2.2	8.9	2.3	1.9
21-Jun-09	1.1	4.8	2.1	3.0
22-Jun-09	3.0	9.0	1.6	3.1
23-Jun-09	3.5	14.3	2.4	
24-Jun-09	7.8	17.1	3.7	4.3
25-Jun-09	5.2	12.8	2.8	4.0
26-Jun-09	4.3	14.7	4.5	5.9
27-Jun-09	6.1	14.0	5.5	4.6
28-Jun-09	1.4	6.2	1.4	3.1
29-Jun-09	6.7	13.7	2.1	4.7
30-Jun-09	6.2	19.7	2.0	5.2
1-Jul-09	6.0	22.8	2.1	5.8
2-Jul-09	10.8	28.3	9.9	7.7
3-Jul-09	12.6	41.7	12.0	10.8
4-Jul-09	17.1	36.1	21.7	11.1

**TOPAZ 24-HOUR DATA (ug/m<sub>3</sub>)**

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
5-Jul-09	5.0	22.5	7.2	9.7
6-Jul-09	3.2	10.5	2.2	2.3
7-Jul-09	12.0	20.3	3.0	1.8
8-Jul-09	8.7	17.0	3.5	2.2
9-Jul-09	18.6	23.6	8.7	4.7
10-Jul-09	13.9	27.0	8.5	5.8
11-Jul-09	21.9	32.2	18.1	7.3
12-Jul-09	2.2	8.5	2.2	2.6
13-Jul-09	5.0	9.5	1.5	1.4
14-Jul-09	7.5	17.1	1.9	3.4
15-Jul-09	7.9	19.2	2.9	4.2
16-Jul-09	21.8	19.6	16.3	4.6
17-Jul-09	17.7	17.6	9.9	4.7
18-Jul-09	3.2	6.7	3.0	1.2
19-Jul-09	2.1	8.9	1.7	2.2
20-Jul-09	8.6	19.1	3.2	3.7
21-Jul-09	7.6	23.9	4.5	6.4
22-Jul-09	5.5	13.4	4.9	4.8
23-Jul-09	10.1	13.2	4.0	2.9
24-Jul-09	6.7	16.9	4.5	3.8
25-Jul-09	8.9	26.7	8.9	7.5
26-Jul-09	4.4	19.8	2.8	6.4
27-Jul-09	16.4	30.0	7.7	9.7
28-Jul-09	14.4	30.0	4.9	13.7
29-Jul-09	9.4	35.1	8.0	17.2
30-Jul-09	19.5	25.0	18.3	9.6
31-Jul-09	20.7	18.9	24.2	6.2
1-Aug-09	23.5	23.9	28.4	8.9
2-Aug-09	8.6	22.7	8.8	7.0
3-Aug-09	1.6	11.8	1.9	5.4
4-Aug-09	2.7	10.8	2.1	8.5
5-Aug-09	3.1	11.3	2.1	7.0
6-Aug-09	10.2	23.9	9.2	10.3
7-Aug-09	9.6	23.1	12.9	6.7
8-Aug-09	8.3	16.6	10.6	8.6
9-Aug-09	4.8	13.4	2.8	1.6
10-Aug-09	2.0	18.9	2.3	2.4
11-Aug-09	6.9	21.7	2.9	1.5
12-Aug-09	10.7	17.3	2.8	2.8
13-Aug-09	5.8	11.1	1.8	3.8
14-Aug-09	4.2	14.8	2.4	3.4

---

**TOPAZ 24-HOUR DATA (ug/m<sub>3</sub>)**

Day	NO	NO <sub>2</sub>	SO <sub>2</sub>	PM <sub>2.5</sub>
15-Aug-09	5.8	18.4	3.2	5.5
16-Aug-09	8.7	17.3	2.2	5.9
17-Aug-09	14.2	29.6	4.8	7.6
18-Aug-09	10.8	28.0	4.9	6.3
19-Aug-09	8.5	26.9	5.9	8.0
20-Aug-09	17.0	26.1	11.5	7.2
21-Aug-09	7.8	13.0	2.6	3.0
22-Aug-09	2.8	10.1	2.0	5.1
23-Aug-09	1.3	7.3	1.9	4.8
24-Aug-09	7.5	16.3	3.4	6.3