

# Dragages-Nishimatsu Joint Venture

**Contract No. DC/2007/10**

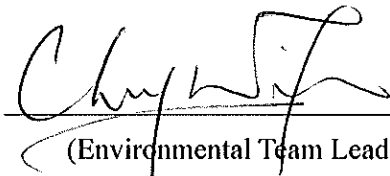
## **Design and Construction of Hong Kong West Drainage Tunnel**

**Baseline Noise Monitoring Report for Intakes**

(Part IV)

(Version 1.0)

June 2009

Approved By   
(Environmental Team Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties

### **CINOTECH CONSULTANTS LTD**

Room 1710, Technology Park,  
18 On Lai Street,

Shatin, NT, Hong Kong

Tel: (852) 2151 2083 Fax: (852) 3107 1388

Email: [info@cinotech.com.hk](mailto:info@cinotech.com.hk)

**TABLE OF CONTENTS**

	<b>Page</b>
<b>EXECUTIVE SUMMARY</b> .....	<b>1</b>
Intakes W5 (P) – NC16, W8 – NC17 & NC18 and P5(P) – NC19.....	1
<b>1 INTRODUCTION</b> .....	<b>2</b>
Background .....	2
Purpose of the Report.....	2
Structure of the Baseline Monitoring Report .....	3
<b>2 NOISE</b> .....	<b>4</b>
Monitoring Requirements .....	4
Monitoring Locations.....	4
Monitoring Equipment .....	4
Monitoring Parameters, Frequency and Duration .....	4
Monitoring Methodology and QA/QC Procedures .....	5
Results and Observations .....	6
Action and Limit Levels.....	7
<b>3 REVISIONS FOR INCLUSION IN THE EM&amp;A MANUAL</b> .....	<b>9</b>
<b>4 COMMENTS AND CONCLUSIONS</b> .....	<b>9</b>

**LIST OF TABLES**

<b>Table 2.1</b>	<b>Location of Noise Monitoring Station.....</b>	<b>4</b>
<b>Table 2.2</b>	<b>Noise Monitoring Equipment .....</b>	<b>4</b>
<b>Table 2.3</b>	<b>Frequency and Parameters of Noise Monitoring.....</b>	<b>5</b>
<b>Table 2.4</b>	<b>Type of Measurement.....</b>	<b>5</b>
<b>Table 2.5</b>	<b>Summary of Daytime Noise Monitoring Results (Normal Weekdays).....</b>	<b>6</b>
<b>Table 2.6</b>	<b>Summary of Evening-Time &amp; Daytime (Holidays) Noise Monitoring Results</b>	<b>7</b>
<b>Table 2.7</b>	<b>Summary of Night-Time Noise Monitoring Results.....</b>	<b>7</b>
<b>Table 2.8</b>	<b>Action Limit Levels for Noise during Construction Period.....</b>	<b>8</b>

**LIST OF FIGURES**

Figure 1.1	Site Layout Plan
Figure 1.2a-c	Locations of Baseline Noise Monitoring Stations for Intakes (Part IV)

**LIST OF APPENDICES**

Appendix A	Copies of Calibration Certificates for Noise Monitoring Equipment
Appendix B1	Day-time 07:00-19:00hrs Baseline Noise Monitoring Data
Appendix B2	Evening-time 19:00-23:00hrs Baseline Noise Monitoring Data
Appendix B3	Holidays 07:00-2300hrs Baseline Noise Monitoring Data
Appendix B4	Night-time 23:00-07:00hrs of the next day Baseline Noise Monitoring Data
Appendix C	Graphical Presentation of Baseline Noise Levels
Appendix D	Baseline Noise Monitoring Schedule
Appendix E	Construction Programme

## EXECUTIVE SUMMARY

1. This Baseline Noise Monitoring Report for Intakes (Part IV) was prepared by Cinotech Consultants Ltd. for the Project “Drainage Improvement in Northern Hong Kong Island – Hong Kong West Drainage Tunnel”. This report presents the baseline noise monitoring works performed for Intakes W5 (P), W8 and P5 (P) – Part IV started from 11 February 2009 and finished on 1 June 2009.

### **Intakes W5 (P) – NC16, W8 – NC17 & NC18 and P5(P) – NC19**

2. Baseline noise monitoring was conducted at four designated monitoring stations i.e. Intakes W5 (P) – Raimondi College (NC16), Intakes W8 - Hong Kong Institute of Technology (NC17) & Blk A, 80 Robinson Road (NC18) and Intake P5 (P) – Villa Veneto (NC19). The baseline noise monitoring for the four designated monitoring stations were conducted as follow:

Airborne Construction Noise Monitoring Stations	Descriptions	Location	Baseline Noise Monitoring
NC16	Raimondi College	Intake W5(P)	4 to 17 March 2009
NC17	Hong Kong Institute of Technology	Intake W8	11 to 24 February 2009
NC18	Blk A, 80 Robinson Road	Intake W8	11 to 24 February 2009
NC19	Villa Veneto	Intake P5 (P)	19 May to 1 June 2009

3. Noise levels at the designated monitoring stations were measured continuously for 24 hours for a period of 14 consecutive days. Monitoring Data collected was reviewed and analyzed. Details of the locations and results are presented in this report. The baseline noise monitoring data was processed according to the following periods:
  - Daytime: 0700-1900 hrs on normal weekdays
  - Evening-time: 1900-2300 hrs
  - Holiday-time: 0700-1900 hrs on holidays
  - Night-time: 2300-0700 hrs of next day

## 1 INTRODUCTION

### Background

- 1.1 Drainage Improvement in Northern Hong Kong Island – Hong Kong West Drainage Tunnel is a Designated Project (hereafter referred to as “the Project”) under the Environmental Impact Assessment Ordinance (Cap. 449). A study of environmental impact assessment (EIA) was undertaken to consider the key issues of air quality, noise, water quality, ecological, construction waste, landscape and visual, land use, cultural impacts, and identify possible mitigation measures associated with the works. An EIA Report was approved by the Environmental Protection Department (EPD) on 7 April 2006.
- 1.2 The project comprises the construction of a drainage tunnel deep into the ground in Mid-levels of the Northern Hong Kong Island from Tai Hang to Pokfulam to intercept and convey the stormwater from the upper catchment directly to the sea near Cyberport. The Drainage tunnel alignment starts from the Eastern Portal near Haw Par Mansion in Tai Hang and ends at the Western Portal located to the north of Cyberport running underneath the Pok Fu Lam, Tai Tam, Aberdeen and Lung Fu Shan Country Parks. The underground main drainage tunnel is 6.25m-7.25m in diameter and about 11km long. Two portals and a series of connecting adits and drop shafts are also been constructed. The general layout of the Project is shown in **Figure 1.1**.
- 1.3 An Environmental Permit (EP) No. EP-272/2007 was issued on 26 April 2007 for Drainage Improvement in Northern Hong Kong Island – Hong Kong West Drainage Tunnel to Drainage Services Department as the Permit Holder. Later, the further Environmental Permit (FEP-01/272/2007/A) was issued on 28 January 2008 to Dragages-Nishimatsu Joint Venture as the Permit Holder. A master construction programme of the Project is provided in **Appendix E**.
- 1.4 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for the Project. The Baseline Environmental Report for the first phase of the construction works at Eastern and Western Portals (land-based) and Western Portal (marine works) have been submitted on 14 May 2008 and 8 July 2008 respectively.
- 1.5 Baseline Noise Monitoring for Intakes will be conducted separately. Baseline Noise Monitoring Report for Intakes (Part I), (Part II) and (Part III) have been submitted on 26 November 2008, 20 January 2009 and 13 March 2009 respectively. This Baseline Noise Monitoring Report for Intakes (Part IV) is prepared by Cinotech for the Project prior to the commencement of construction activity at Intakes W5 (P), W8 and P5 (P) in accordance with the updated EM&A Manual and Technical Note on Supplementary Environmental Assessment.

### Purpose of the Report

- 1.6 The purpose of the Report is to set out baseline levels for the noise in accordance with the updated EM&A Manual. These baseline levels will be used as the basis for compliance check during the impact monitoring in construction stage of the Project. This Report presents the locations, equipment, period, methodology, results and observations for the noise monitoring during the baseline period.

## **Structure of the Baseline Monitoring Report**

1.7 The structure of the Report is summarized as follows:

- Section 1: Introduction, purpose, background and the structure of the report.
- Section 2: Noise, which describes the baseline noise monitoring.
- Section 3: Revisions for inclusion in the updated EM&A Manual
- Section 4: Conclusions

## 2 NOISE

### Monitoring Requirements

- 2.1 Baseline noise monitoring was conducted at least 14 days at the monitoring station. The monitoring works for the four monitoring stations started from 11 February 2009 and finished on 1 June 2009. Logger function check and calibration was carried out according to manufacturer's recommendations. The equipment was checked and inspected not less than once every two days after the set up at each monitoring station.

### Monitoring Locations

- 2.2 **Table 2.1** gives the location of the monitoring station and is also shown in **Figure 1.2a-c**.

**Table 2.1 Location of Noise Monitoring Station**

Monitoring Station	Description	Location of Measurement
NC16	Raimondi College	Back stairs at top floor
NC17	Hong Kong Institute of Technology	4/F disused classroom
NC18	Blk A, 80 Robinson Road	1/F Car Park
NC19	Villa Veneto	3/F Car Park

### Monitoring Equipment

- 2.3 Integrating Sound Level Meter was used for noise monitoring. The meter is a Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ) and also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Table 2.2 summarizes the noise monitoring equipment being used. Copies of the calibration certificates for the sound level meter and calibrator are attached in **Appendix A**.

**Table 2.2 Noise Monitoring Equipment**

Equipment	Model and Make	Quantity
Integrating Sound Level Meter	SVAN 955	2
Calibrator	SV30A	1

Note: SVANTEL Integrating Sound Level Meters are in compliance with the International Electrotechnical Commission Publications 651:1979 (Type1) and 804:1985 (Type1) as referred to in the Technical Memorandum to the Noise Control Ordinance.

### Monitoring Parameters, Frequency and Duration

- 2.4 In accordance with the updated EM&A Manual, baseline noise for the A-weighted levels  $L_{eq}$ ,  $L_{10}$  and  $L_{90}$  was recorded. Data obtained from the baseline noise monitoring was processed and presented according to the following periods:

- Daytime: 0700-1900 hrs on normal weekdays
- Evening-time: 1900-2300 hrs
- Holiday-time: 0700-1900 hrs on holidays
- Night-time: 2300-0700 hrs of next day

2.5 The frequency and parameters of noise measurement are presented in **Table 2.3**.

**Table 2.3 Frequency and Parameters of Noise Monitoring**

Time Period	Duration, min	Parameter
Daytime on normal weekdays (0700-1900 hrs)	30 min	L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub>
Evening time on all days (1900-2300 hrs) and Holidays (including Sundays) during daytime and evening (0700-1900 hrs)	5 min (3 consecutive L <sub>eq</sub> (5min))	
All days during the night-time (2300-0700 hrs)		

### Monitoring Methodology and QA/QC Procedures

2.6 **Table 2.4** summarizes the types of measurement undertaken in the five monitoring stations.

**Table 2.4 Type of Measurement**

Monitoring Station	Measurement
NC16	Façade measurement
NC17	Façade measurement
NC18	Façade measurement
NC19	Façade measurement

### Field Monitoring

2.7 The monitoring procedures are as follows:

- The microphone head of the head level meter was positioned 1m exterior of the noise sensitive facade and lowered sufficiently so that the building's external wall acts as a reflecting surface.
- The battery condition was checked to ensure good functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - frequency weighting : A
  - time weighting : Fast
  - measurement time : 5 minutes (Leq (30-min) would be determined for daytime noise by calculating the logarithmic average of six Leq (5min) data.)
- Prior to and after noise measurement, the meter was calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- The wind speed at the monitoring station was checked with the portable wind meter.



- Noise monitoring was carried out continuously for 24 hours during the 14 days baseline monitoring period. Monitoring data was recorded and stored automatically within the sound level meter system. At the end of the monitoring period, noise levels in term of  $L_{eq}$ ,  $L_{90}$  and  $L_{10}$  were recorded. In addition, site conditions and noise sources were recorded when the equipment were checked and inspected every two days.
- All the monitoring data within the sound level meter system was downloaded through the computer software, and all these data was checked and reviewed within the computer.

### *Maintenance and Calibration*

2.8 Maintenance and Calibration procedures were as follows:

- The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- The sound level meter and calibrator were checked and calibrated at yearly intervals.
- Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

### **Results and Observations**

#### *Results*

- 2.9 Baseline noise monitoring works were conducted at the designated station started from 11 February 2009 and finished on 1 June 2009. The monitoring schedule is shown in **Appendix D**.
- 2.10 The baseline noise monitoring results are summarized in **Table 2.5 to 2.7**. All baseline noise monitoring results are given in **Appendices B1 to B4**. Graphical presentations of the data are provided in **Appendix C**.

**Table 2.5 Summary of Daytime Noise Monitoring Results (Normal Weekdays)**

Daytime 0700-1900 hrs on normal weekdays	Range of Noise Level, dB(A)								
	$L_{eq}$ (30 min)			$L_{10}$ (30 min)			$L_{90}$ (30 min)		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
<b>NC16</b>	70.4	79.4	61.5	73.0	82.8	64.1	66.5	76.9	57.7
<b>NC17</b>	66.0	73.3	63.7	68.8	77.7	66.4	61.1	64.8	57.2
<b>NC18</b>	64.8	72.9	62.5	67.6	75.1	65.3	60.7	67.3	45.0
<b>NC19</b>	68.6	81.7	58.8	71.9	85.4	61.8	61.4	73.8	51.4

**Table 2.6 Summary of Evening-Time & Daytime (Holidays) Noise Monitoring Results**

Evening-time 1900-2300 hrs on all days & Daytime 0700-2300 hrs on holidays	Range of Noise Level, dB(A)								
	L <sub>eq</sub> (5 min)			L <sub>10</sub> (5 min)			L <sub>90</sub> (5 min)		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
NC16	66.0	72.4	61.2	67.8	73.5	63.4	63.1	71.2	57.2
NC17	63.9	73.4	59.4	66.6	74.6	61.9	58.9	64.6	52.7
NC18	62.8	69.5	59.0	65.5	70.4	61.9	58.5	66.6	53.3
NC19	63.4	77.1	54.8	66.2	80.0	57.5	56.8	73.3	49.3

**Table 2.7 Summary of Night-Time Noise Monitoring Results**

Night-time 2300-0700 hrs of the next day	Range of Noise Level, dB(A)								
	L <sub>eq</sub> (5 min)			L <sub>10</sub> (5 min)			L <sub>90</sub> (5 min)		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
NC16	61.3	67.5	54.2	63.6	69.5	54.9	57.8	65.3	53.3
NC17	59.1	68.2	49.8	61.6	70.8	50.2	54.1	59.6	48.4
NC18	58.7	68.6	49.2	61.0	69.9	50.1	55.2	67.2	47.9
NC19	57.4	78.5	46.1	59.9	71.7	46.7	50.8	67.8	43.8

**Observations**

- 2.11 The weather was generally sunny or cloudy during the baseline monitoring periods. All monitoring was conducted with the wind speed below 5 m/s.
- 2.12 During the baseline noise monitoring period, the following observations were made which may affect the results:
- Noise source identified at the monitoring stations NC17, NC18 and NC19 was road traffic noise.
  - Noise source identified at the monitoring stations NC16 was from the daily activities of the students and also the road traffic noise.

**Action and Limit Levels**

- 2.13 The Action and Limit Levels were established in accordance with the approved EM&A Manual. The baseline noise level shall be referenced during the compliance check in the impact noise monitoring period. **Table 2.8** presents the Action and Limit Levels for construction noise.

**Table 2.8 Action Limit Levels for Noise during Construction Period**

<b>Time Period</b>	<b>Action Level</b>	<b>Limit Level</b>
0700-1900 hrs on normal weekdays	When one documented complaint is received	75* dB(A)
0700-2300 hrs on holidays; and 1900-2300 hrs on all other days		60/65/70** dB(A)
2300-0700 hrs of next day		45/50/55** dB(A)

(\*) reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

(\*\*) to be selected based on Area Sensitivity Rating.

### 3 REVISIONS FOR INCLUSION IN THE EM&A MANUAL

- 3.1 The baseline noise monitoring was conducted according to the updated EM&A Manual and Technical Note on Supplementary Environmental Assessment.
- 3.2 The monitoring methodology, parameters monitored, and monitoring locations are all in line with the updated EM&A Manual.

### 4 COMMENTS AND CONCLUSIONS

- 4.1 The baseline noise monitoring for the Intakes (Part IV) i.e. W5 (P), W8 and P5 (P) were conducted as follow:-

Airborne Construction Noise Monitoring Stations	Descriptions	Location	Baseline Noise Monitoring
NC16	Raimondi College	Intake W5(P)	4 to 17 March 2009
NC17	Hong Kong Institute of Technology	Intake W8	11 to 24 February 2009
NC18	Blk A, 80 Robinson Road	Intake W8	11 to 24 February 2009
NC19	Villa Veneto	Intake P5 (P)	19 May to 1 June 2009

- 4.2 The monitoring results were used to establish the ambient noise levels at the sensitive receiver prior to the construction at Intakes for the Project.
- 4.3 The baseline noise monitoring was carried out in accordance with the updated EM&A Manual, in respect of the methodology, equipment, location and monitoring parameters.
- 4.4 Baseline noise monitoring was conducted at four monitoring station (Raimondi College (NC16), Hong Kong Institute of Technology (NC17), Blk A, 80 Robinson Road (NC18) and Villa Veneto (NC19)). The major noise source identified at the monitoring stations, NC17, NC18 and NC19 was from the road traffic noise and the major noise source identified at the monitoring station, NC16 was from the daily activities of the students and also the road traffic noise. The baseline monitoring results are considered representative to the ambient noise level.

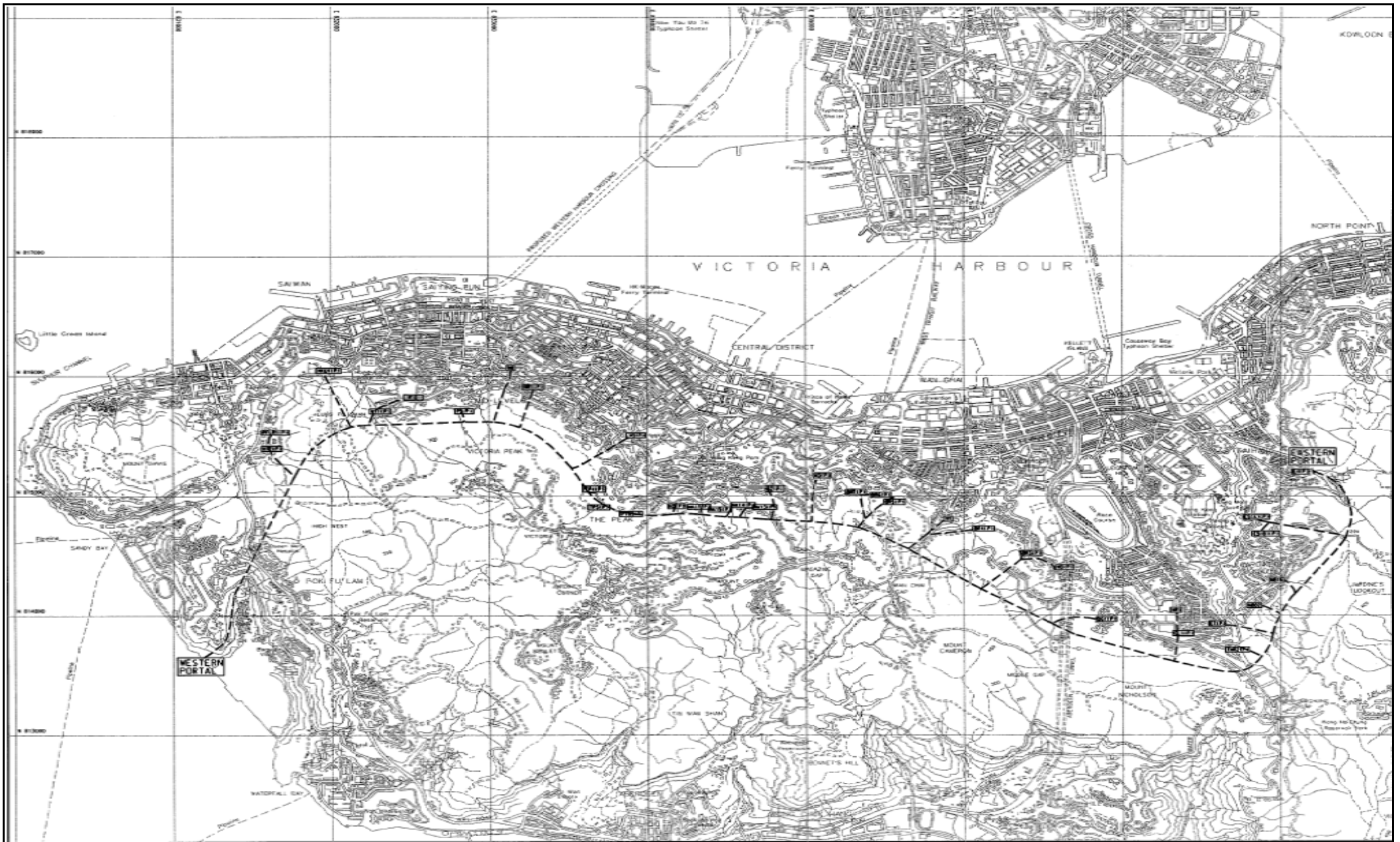
---

---

## FIGURES

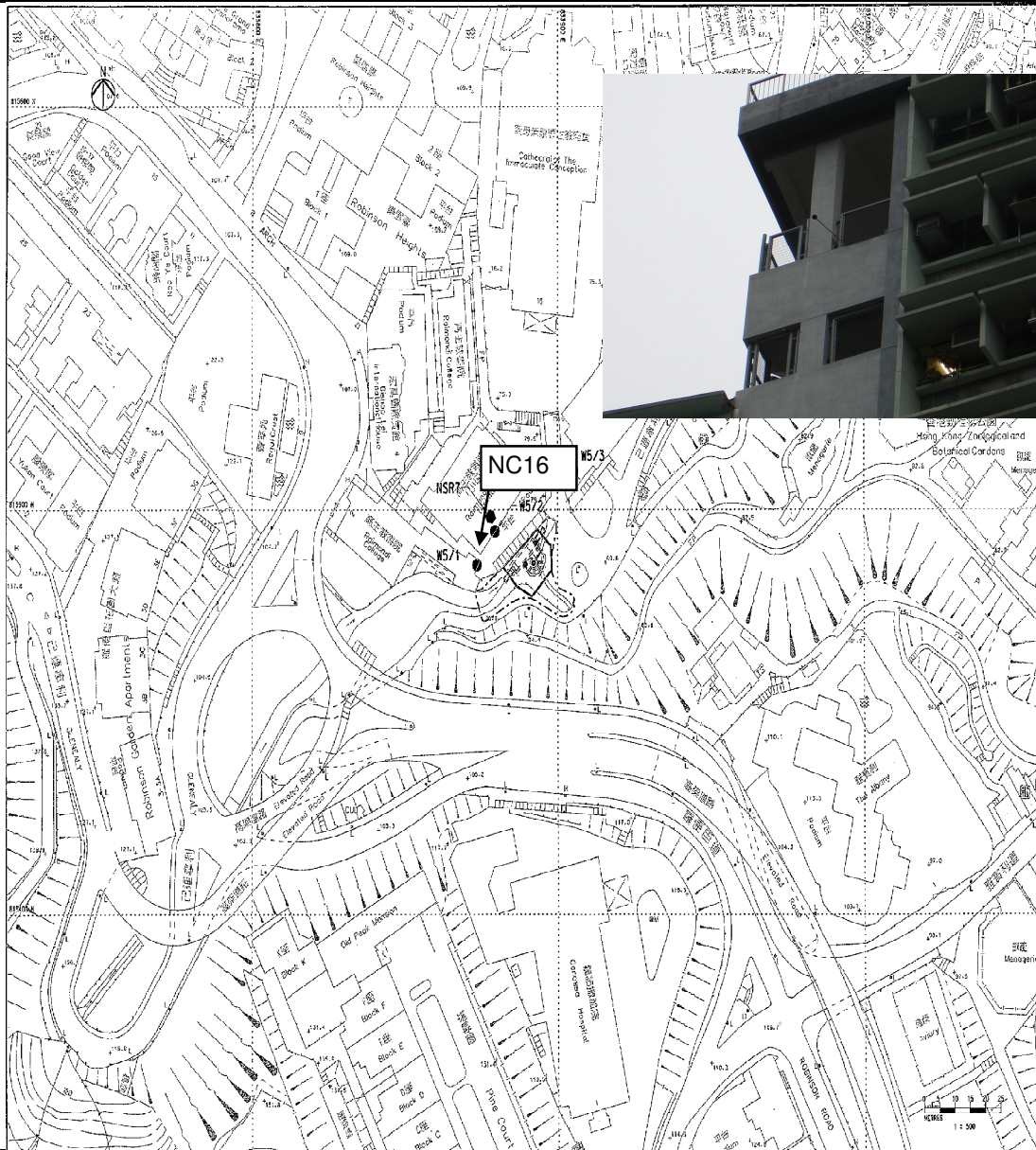
---

---

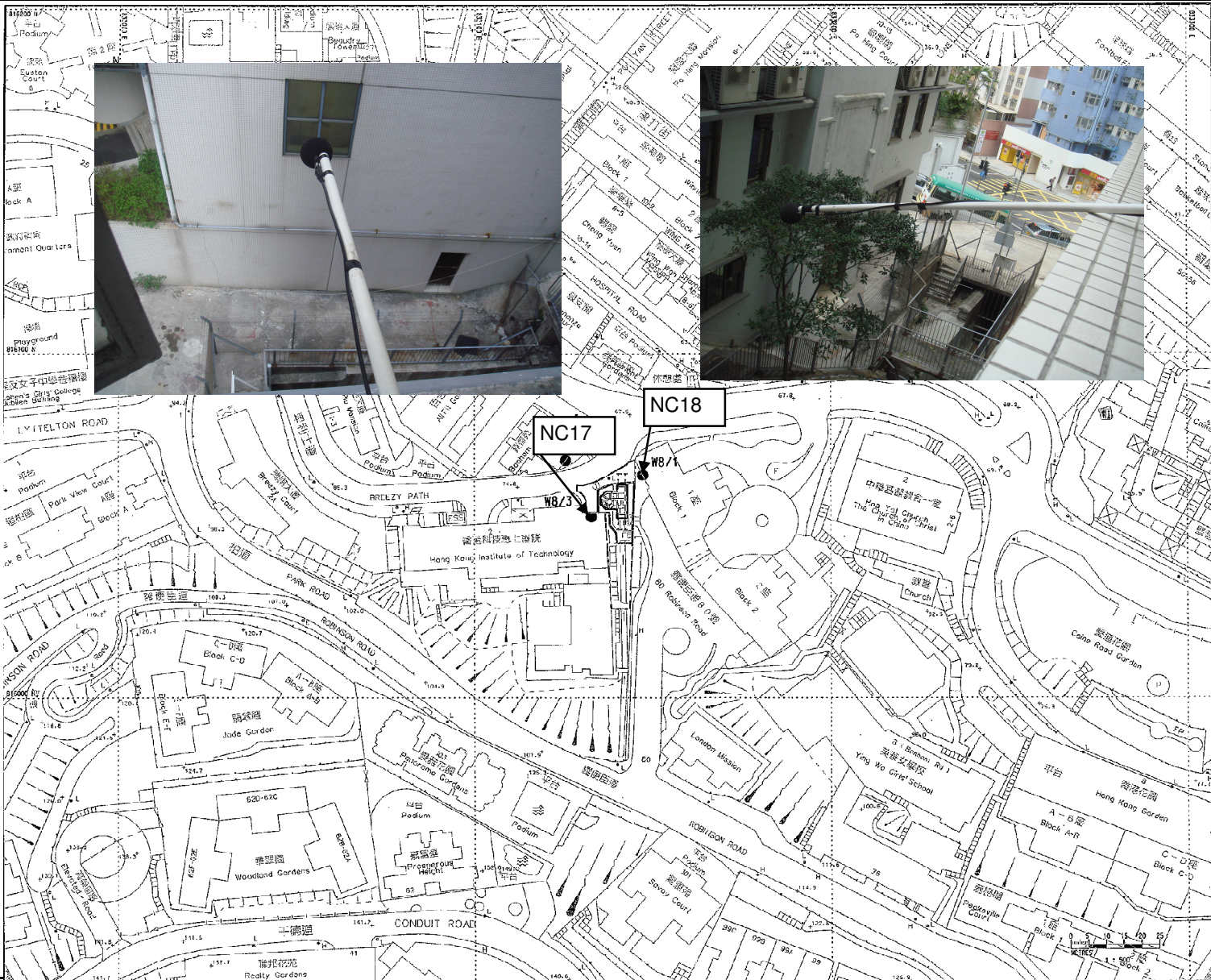


Title	Contract No. DC/2007/10		Scale	Project
	Design and Construction of Hong Kong West Drainage Tunnel		N.T.S	No. MA8001
	Site Layout Plan		Date	Figure
			Apr-08	1.1





Title	Contract No. DC/2007/10		Scale	Project	CINOTECH
	Design and Construction of Hong Kong West Drainage Tunnel (Intakes W5) Locations of Noise Monitoring Stations		N.T.S	No. MA8001	
			Date	Figure	
			Mar-09	1.2a	

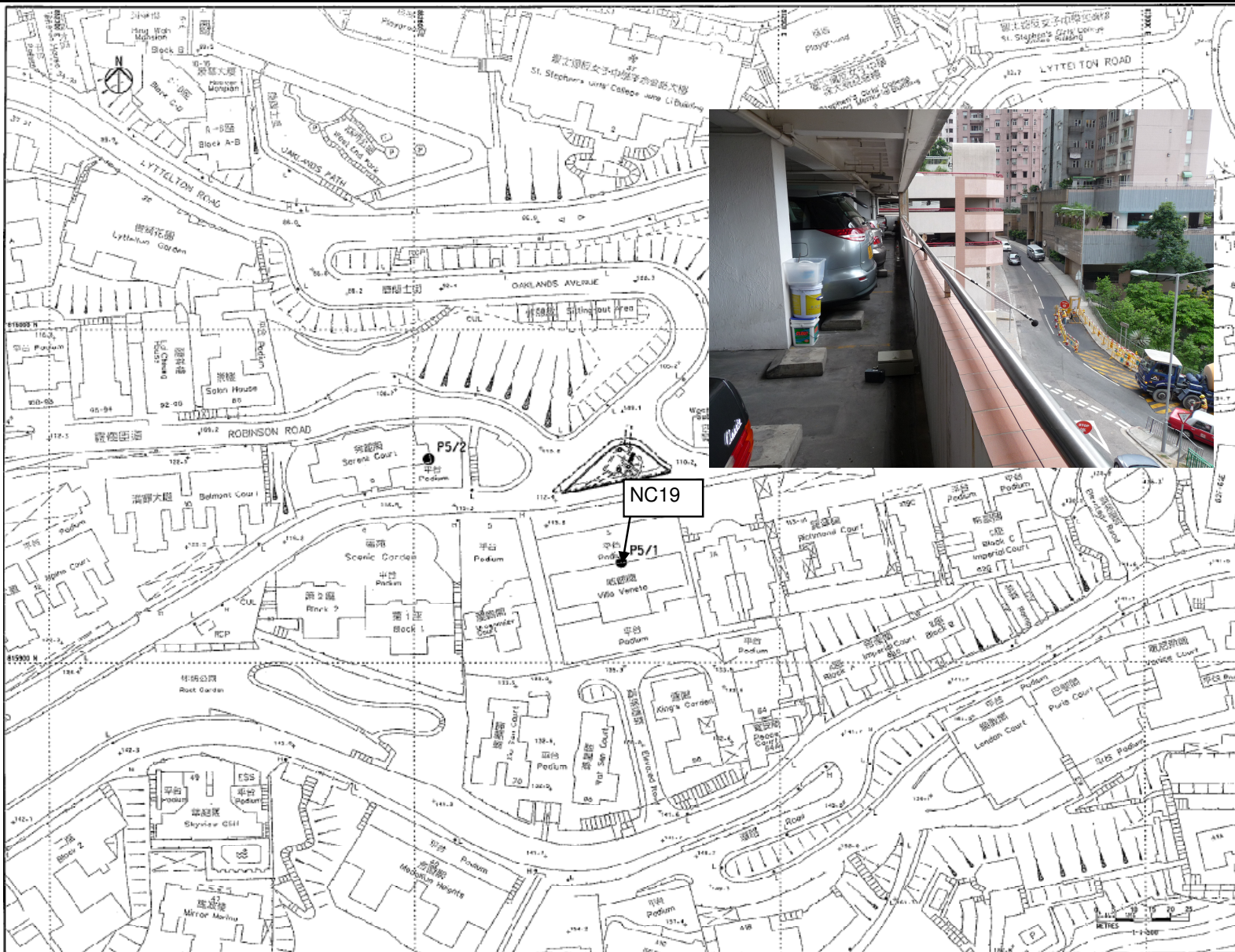


Title  
**Contract No. DC/2007/10**  
**Design and Construction of Hong Kong West Drainage Tunnel**  
**(Intake W8)**  
**Locations of Noise Monitoring Stations**

Scale	N.T.S	Propos No.	MA8001
Date	Feb-09	Figure	1.2b

**CINOTECH**





Title  
 Contract No. DC/2007/10  
 Design and Construction of Hong Kong West Drainage Tunnel  
 (Intakes P5)  
 Locations of Noise Monitoring Stations

Scale	N.T.S	Project No.	MA8001
Date	May-09	Figure	1.2c



---

**APPENDIX A  
COPIES OF CALIBRATION  
CERTIFICATES FOR NOISE  
MONITORING EQUIPMENT**

---

## TEST REPORT

**APPLICANT:** Cinotech Consultants Limited  
Room 1710, Technology Park,  
18 On Lai Street,  
Shatin, NT, Hong Kong

Test Report No.:	C/N/80925/1
Date of Issue:	2008-09-26
Date Received:	2008-09-25
Date Tested:	2008-09-25
Date Completed:	2008-09-26
Next Due Date:	2009-09-25

**ATTN:** Mr. Henry Leung

Page: 1 of 1

### Certificate of Calibration

**Item for calibration:**

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 955
Serial No.	: 12553
Microphone No.	: 35222
Equipment No.	: N-08-02

**Test conditions:**

Room Temperature	: 22 degree Celsius
Relative Humidity	: 59%

**Test Specifications:**

Performance checking at 94 and 114 dB

**Methodology:**

In-house method, according to manufacturer instruction manual

**Results:**

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

*PREPARED AND CHECKED BY:*

For and On Behalf of **WELLAB Ltd.**

  
\_\_\_\_\_  
**PATRICK TSE**  
Laboratory Manager

## TEST REPORT

**APPLICANT:** Cinotech Consultants Limited  
Room 1710, Technology Park,  
18 On Lai Street,  
Shatin, NT, Hong Kong

Test Report No.:	C/N/80929/3
Date of Issue:	2008-09-29
Date Received:	2008-09-27
Date Tested:	2008-09-27
Date Completed:	2008-09-29
Next Due Date:	2009-09-28

**ATTN:** Mr. Henry Leung

Page: 1 of 1

### Certificate of Calibration

**Item for calibration:**

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 955
Serial No.	: 12563
Microphone No.	: 34377
Equipment No.	: N-08-03

**Test conditions:**

Room Temperature	: 22 degree Celsius
Relative Humidity	: 59%

**Test Specifications:**

Performance checking at 94 and 114 dB

**Methodology:**

In-house method, according to manufacturer instruction manual

**Results:**

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

*PREPARED AND CHECKED BY:*

For and On Behalf of **WELLAB Ltd.**



**PATRICK TSE**

Laboratory Manager

## TEST REPORT

**APPLICANT:** Cinotech Consultants Limited  
Room 1710, Technology Park,  
18 On Lai Street,  
Shatin, NT, Hong Kong

Test Report No.:	C/N/80925/2
Date of Issue:	2008-09-26
Date Received:	2008-09-25
Date Tested:	2008-09-25
Date Completed:	2008-09-26
Next Due Date:	2009-09-25

**ATTN:** Mr. Henry Leung

Page: 1 of 1

### Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: SVANTEK
Model No.	: SV30A
Serial No.	: 10929
Equipment No.	: N-09-01

### Test conditions:

Room Temperature	: 22 degree Celsius
Relative Humidity	: 59%

### Methodology:

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

### Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	114.0 ± 0.1 dB

*PREPARED AND CHECKED BY:*

For and On Behalf of **WELLAB Ltd.**

  
\_\_\_\_\_  
**PATRICK TSE**  
Laboratory Manager

---

---

**APPENDIX B1  
DAY-TIME 07:00-19:00 BASELINE NOISE  
MONITORING DATA**

---

---

## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
4-Mar-09	07:00:00	66.7	68.5	62.0
4-Mar-09	07:30:00	67.3	69.5	64.1
4-Mar-09	08:00:00	67.6	69.1	64.6
4-Mar-09	08:30:00	71.1	74.0	67.1
4-Mar-09	09:00:00	72.3	75.5	66.2
4-Mar-09	09:30:00	72.7	75.7	68.3
4-Mar-09	10:00:00	69.0	70.7	66.7
4-Mar-09	10:30:00	67.4	69.2	64.4
4-Mar-09	11:00:00	71.2	74.2	65.5
4-Mar-09	11:30:00	70.6	73.1	66.9
4-Mar-09	12:00:00	68.8	70.5	66.8
4-Mar-09	12:30:00	66.9	68.7	64.2
4-Mar-09	13:00:00	71.8	74.7	66.1
4-Mar-09	13:30:00	72.7	75.2	68.6
4-Mar-09	14:00:00	69.9	71.8	67.1
4-Mar-09	14:30:00	67.6	69.6	64.9
4-Mar-09	15:00:00	69.2	71.4	65.3
4-Mar-09	15:30:00	68.8	70.8	65.9
4-Mar-09	16:00:00	71.7	75.4	66.4
4-Mar-09	16:30:00	73.1	76.4	68.0
4-Mar-09	17:00:00	73.0	76.3	67.1
4-Mar-09	17:30:00	67.9	69.9	65.2
4-Mar-09	18:00:00	66.5	68.4	63.8
4-Mar-09	18:30:00	65.7	67.5	62.9
	Mean	70.2	72.9	66.0
	Maximum	73.1	76.4	68.6
	Minimum	65.7	67.5	62.0

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
5-Mar-09	07:00:00	65.4	67.8	61.3
5-Mar-09	07:30:00	66.4	68.6	63.6
5-Mar-09	08:00:00	66.6	68.6	63.9
5-Mar-09	08:30:00	69.9	72.6	65.7
5-Mar-09	09:00:00	70.1	72.3	66.7
5-Mar-09	09:30:00	69.7	71.6	66.3
5-Mar-09	10:00:00	69.0	71.0	66.2
5-Mar-09	10:30:00	68.8	71.0	65.4
5-Mar-09	11:00:00	68.9	71.1	65.5
5-Mar-09	11:30:00	69.4	71.0	67.0
5-Mar-09	12:00:00	67.0	68.8	64.5
5-Mar-09	12:30:00	69.1	70.6	67.1
5-Mar-09	13:00:00	68.8	70.8	66.0
5-Mar-09	13:30:00	69.7	71.6	66.6
5-Mar-09	14:00:00	73.1	74.7	70.7
5-Mar-09	14:30:00	73.2	74.6	71.7
5-Mar-09	15:00:00	69.9	71.7	67.4
5-Mar-09	15:30:00	71.6	72.9	69.4
5-Mar-09	16:00:00	75.3	76.3	73.8
5-Mar-09	16:30:00	70.5	71.8	69.1
5-Mar-09	17:00:00	68.6	70.2	66.8
5-Mar-09	17:30:00	69.1	70.9	66.9
5-Mar-09	18:00:00	68.8	70.3	66.8
5-Mar-09	18:30:00	71.0	72.5	69.4
	Mean	70.2	71.9	67.9
	Maximum	75.3	76.3	73.8
	Minimum	65.4	67.8	61.3

## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
6-Mar-09	07:00:00	65.8	68.3	61.7
6-Mar-09	07:30:00	67.1	69.1	63.8
6-Mar-09	08:00:00	68.9	70.8	64.9
6-Mar-09	08:30:00	68.6	70.4	64.8
6-Mar-09	09:00:00	67.7	69.7	64.8
6-Mar-09	09:30:00	69.2	71.3	65.8
6-Mar-09	10:00:00	69.0	71.3	65.5
6-Mar-09	10:30:00	74.7	78.0	68.8
6-Mar-09	11:00:00	73.4	77.6	66.5
6-Mar-09	11:30:00	73.4	76.9	68.2
6-Mar-09	12:00:00	71.4	72.6	69.9
6-Mar-09	12:30:00	69.2	70.8	66.9
6-Mar-09	13:00:00	70.7	73.6	66.7
6-Mar-09	13:30:00	72.7	75.1	69.2
6-Mar-09	14:00:00	68.6	70.6	65.2
6-Mar-09	14:30:00	68.5	70.6	65.4
6-Mar-09	15:00:00	70.9	73.1	67.6
6-Mar-09	15:30:00	69.4	71.2	66.7
6-Mar-09	16:00:00	69.0	71.1	65.2
6-Mar-09	16:30:00	74.4	76.8	68.6
6-Mar-09	17:00:00	69.6	72.0	64.9
6-Mar-09	17:30:00	67.2	69.4	64.0
6-Mar-09	18:00:00	66.5	68.3	64.3
6-Mar-09	18:30:00	69.3	71.7	65.3

Mean	70.5	73.1	66.4
Maximum	74.7	78.0	69.9
Minimum	65.8	68.3	61.7

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
7-Mar-09	07:00:00	63.4	65.9	59.0
7-Mar-09	07:30:00	64.7	67.2	60.5
7-Mar-09	08:00:00	66.2	68.8	61.9
7-Mar-09	08:30:00	70.6	73.3	65.5
7-Mar-09	09:00:00	72.1	74.6	67.1
7-Mar-09	09:30:00	71.5	73.7	67.9
7-Mar-09	10:00:00	69.7	72.0	66.0
7-Mar-09	10:30:00	70.1	72.2	65.8
7-Mar-09	11:00:00	72.5	74.7	69.5
7-Mar-09	11:30:00	73.0	75.5	69.1
7-Mar-09	12:00:00	68.5	70.7	65.3
7-Mar-09	12:30:00	69.2	71.6	65.3
7-Mar-09	13:00:00	72.4	74.9	68.1
7-Mar-09	13:30:00	73.2	75.8	68.9
7-Mar-09	14:00:00	72.3	74.5	69.3
7-Mar-09	14:30:00	69.6	72.2	65.9
7-Mar-09	15:00:00	69.8	72.2	66.3
7-Mar-09	15:30:00	68.8	70.9	65.5
7-Mar-09	16:00:00	69.1	71.3	66.0
7-Mar-09	16:30:00	69.0	71.2	65.6
7-Mar-09	17:00:00	69.8	71.3	67.3
7-Mar-09	17:30:00	67.4	69.5	64.5
7-Mar-09	18:00:00	66.9	68.5	63.9
7-Mar-09	18:30:00	66.7	68.1	63.5

Mean	70.1	72.4	66.4
Maximum	73.2	75.8	69.5
Minimum	63.4	65.9	59.0



## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
9-Mar-09	07:00:00	66.2	68.4	62.1
9-Mar-09	07:30:00	66.9	69.3	63.5
9-Mar-09	08:00:00	67.8	69.8	64.6
9-Mar-09	08:30:00	71.1	72.6	69.2
9-Mar-09	09:00:00	68.7	70.7	66.0
9-Mar-09	09:30:00	68.0	70.0	65.2
9-Mar-09	10:00:00	68.2	70.5	64.6
9-Mar-09	10:30:00	71.9	73.5	69.7
9-Mar-09	11:00:00	69.3	71.2	65.9
9-Mar-09	11:30:00	68.7	70.8	64.7
9-Mar-09	12:00:00	68.1	70.5	64.6
9-Mar-09	12:30:00	67.3	69.5	64.2
9-Mar-09	13:00:00	69.2	71.3	66.2
9-Mar-09	13:30:00	69.0	71.0	65.9
9-Mar-09	14:00:00	68.4	70.6	65.2
9-Mar-09	14:30:00	69.2	70.9	66.7
9-Mar-09	15:00:00	68.3	70.5	64.8
9-Mar-09	15:30:00	68.8	70.7	65.8
9-Mar-09	16:00:00	70.1	71.9	67.7
9-Mar-09	16:30:00	68.7	71.0	65.2
9-Mar-09	17:00:00	67.6	69.7	64.8
9-Mar-09	17:30:00	71.2	72.8	68.7
9-Mar-09	18:00:00	66.7	68.7	63.9
9-Mar-09	18:30:00	66.4	68.4	63.6
	Mean	68.8	70.8	65.9
	Maximum	71.9	73.5	69.7
	Minimum	66.2	68.4	62.1

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
10-Mar-09	07:00:00	66.3	68.7	62.3
10-Mar-09	07:30:00	67.0	69.0	63.8
10-Mar-09	08:00:00	66.9	68.5	64.7
10-Mar-09	08:30:00	67.7	69.6	65.1
10-Mar-09	09:00:00	67.6	69.3	65.2
10-Mar-09	09:30:00	68.3	70.0	65.9
10-Mar-09	10:00:00	68.9	70.7	65.3
10-Mar-09	10:30:00	68.3	70.4	65.3
10-Mar-09	11:00:00	73.2	76.7	66.2
10-Mar-09	11:30:00	67.6	69.5	64.9
10-Mar-09	12:00:00	68.0	70.0	64.5
10-Mar-09	12:30:00	67.3	69.6	63.9
10-Mar-09	13:00:00	71.6	74.4	67.6
10-Mar-09	13:30:00	72.1	74.6	68.0
10-Mar-09	14:00:00	71.0	73.5	67.5
10-Mar-09	14:30:00	68.7	70.6	65.9
10-Mar-09	15:00:00	72.7	76.0	66.9
10-Mar-09	15:30:00	74.2	77.8	68.1
10-Mar-09	16:00:00	71.9	74.9	66.5
10-Mar-09	16:30:00	72.9	76.0	66.6
10-Mar-09	17:00:00	69.1	71.0	66.3
10-Mar-09	17:30:00	69.9	71.3	68.2
10-Mar-09	18:00:00	66.8	68.9	63.7
10-Mar-09	18:30:00	67.1	68.7	64.3
	Mean	70.1	72.7	66.0
	Maximum	74.2	77.8	68.2
	Minimum	66.3	68.5	62.3

## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
11-Mar-09	07:00:00	66.2	68.6	62.1
11-Mar-09	07:30:00	67.2	69.4	64.0
11-Mar-09	08:00:00	67.3	69.1	64.6
11-Mar-09	08:30:00	76.0	79.3	67.8
11-Mar-09	09:00:00	74.6	76.7	70.7
11-Mar-09	09:30:00	75.0	78.8	68.6
11-Mar-09	10:00:00	75.1	77.4	71.3
11-Mar-09	10:30:00	68.3	70.3	65.8
11-Mar-09	11:00:00	70.8	74.4	66.1
11-Mar-09	11:30:00	75.8	80.5	67.0
11-Mar-09	12:00:00	68.5	70.6	65.7
11-Mar-09	12:30:00	69.4	71.0	67.1
11-Mar-09	13:00:00	71.2	75.2	65.9
11-Mar-09	13:30:00	74.7	79.1	67.2
11-Mar-09	14:00:00	69.0	70.9	66.6
11-Mar-09	14:30:00	68.5	70.6	65.6
11-Mar-09	15:00:00	77.9	81.8	69.8
11-Mar-09	15:30:00	76.3	80.2	69.5
11-Mar-09	16:00:00	72.4	75.5	68.2
11-Mar-09	16:30:00	74.2	77.5	69.7
11-Mar-09	17:00:00	74.9	78.2	67.6
11-Mar-09	17:30:00	71.9	74.1	67.3
11-Mar-09	18:00:00	69.5	70.7	67.9
11-Mar-09	18:30:00	65.9	67.7	62.8

Mean 73.1 76.4 67.6  
 Maximum 77.9 81.8 71.3  
 Minimum 65.9 67.7 62.1

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
12-Mar-09	07:00:00	66.0	68.5	61.9
12-Mar-09	07:30:00	66.8	69.1	63.6
12-Mar-09	08:00:00	67.2	69.2	64.6
12-Mar-09	08:30:00	74.9	78.1	68.1
12-Mar-09	09:00:00	75.1	78.7	66.6
12-Mar-09	09:30:00	75.8	79.7	67.7
12-Mar-09	10:00:00	72.9	75.6	66.6
12-Mar-09	10:30:00	70.0	72.7	66.3
12-Mar-09	11:00:00	79.2	82.8	69.6
12-Mar-09	11:30:00	71.3	74.0	66.7
12-Mar-09	12:00:00	67.9	69.9	65.2
12-Mar-09	12:30:00	68.2	70.0	65.9
12-Mar-09	13:00:00	69.9	71.3	67.3
12-Mar-09	13:30:00	71.2	74.5	66.8
12-Mar-09	14:00:00	73.1	76.4	67.5
12-Mar-09	14:30:00	72.7	75.1	67.4
12-Mar-09	15:00:00	74.5	78.4	66.4
12-Mar-09	15:30:00	72.9	76.4	67.5
12-Mar-09	16:00:00	72.8	76.5	68.2
12-Mar-09	16:30:00	72.8	76.7	66.3
12-Mar-09	17:00:00	72.1	76.1	65.7
12-Mar-09	17:30:00	68.0	69.8	65.8
12-Mar-09	18:00:00	66.5	68.3	63.6
12-Mar-09	18:30:00	66.6	68.6	64.0

Mean 72.6 75.9 66.5  
 Maximum 79.2 82.8 69.6  
 Minimum 66.0 68.3 61.9

## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
13-Mar-09	07:00:00	65.6	68.0	61.5
13-Mar-09	07:30:00	66.5	68.5	63.4
13-Mar-09	08:00:00	67.2	68.8	64.7
13-Mar-09	08:30:00	67.1	68.7	64.8
13-Mar-09	09:00:00	69.4	70.9	67.6
13-Mar-09	09:30:00	69.0	70.6	67.0
13-Mar-09	10:00:00	68.9	70.3	66.3
13-Mar-09	10:30:00	67.7	69.5	64.8
13-Mar-09	11:00:00	68.3	70.1	65.9
13-Mar-09	11:30:00	70.0	71.5	67.7
13-Mar-09	12:00:00	67.5	69.6	64.4
13-Mar-09	12:30:00	67.7	69.9	64.6
13-Mar-09	13:00:00	67.1	68.9	64.4
13-Mar-09	13:30:00	68.6	70.3	66.3
13-Mar-09	14:00:00	69.1	70.5	66.8
13-Mar-09	14:30:00	68.4	70.0	66.3
13-Mar-09	15:00:00	68.1	69.8	65.9
13-Mar-09	15:30:00	70.7	72.2	68.9
13-Mar-09	16:00:00	71.3	72.7	68.2
13-Mar-09	16:30:00	79.4	82.0	76.9
13-Mar-09	17:00:00	72.8	75.1	67.4
13-Mar-09	17:30:00	67.6	69.4	64.8
13-Mar-09	18:00:00	67.1	68.7	64.9
13-Mar-09	18:30:00	66.9	68.6	64.6

Mean 70.3 72.3 67.7  
 Maximum 79.4 82.0 76.9  
 Minimum 65.6 68.0 61.5

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
14-Mar-09	07:00:00	62.9	65.5	58.7
14-Mar-09	07:30:00	64.2	66.7	59.9
14-Mar-09	08:00:00	65.4	68.1	60.8
14-Mar-09	08:30:00	69.3	71.7	64.5
14-Mar-09	09:00:00	71.4	74.1	66.3
14-Mar-09	09:30:00	73.0	75.5	68.9
14-Mar-09	10:00:00	70.1	72.2	66.5
14-Mar-09	10:30:00	70.0	72.2	66.0
14-Mar-09	11:00:00	70.5	72.8	66.5
14-Mar-09	11:30:00	73.5	75.8	70.3
14-Mar-09	12:00:00	70.5	73.0	66.6
14-Mar-09	12:30:00	67.6	69.3	64.8
14-Mar-09	13:00:00	72.2	74.8	67.5
14-Mar-09	13:30:00	73.6	76.2	69.2
14-Mar-09	14:00:00	72.4	74.6	69.5
14-Mar-09	14:30:00	69.9	72.5	66.0
14-Mar-09	15:00:00	69.3	71.9	65.6
14-Mar-09	15:30:00	67.7	69.6	64.8
14-Mar-09	16:00:00	69.5	71.9	66.2
14-Mar-09	16:30:00	66.8	68.6	64.1
14-Mar-09	17:00:00	69.4	71.6	66.1
14-Mar-09	17:30:00	68.7	70.3	66.2
14-Mar-09	18:00:00	66.5	68.5	63.8
14-Mar-09	18:30:00	66.6	67.8	63.3

Mean 70.0 72.4 66.3  
 Maximum 73.6 76.2 70.3  
 Minimum 62.9 65.5 58.7

## Appendix B1

### Day-time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
16-Mar-09	07:00:00	61.5	64.1	57.7
16-Mar-09	07:30:00	62.8	65.6	58.6
16-Mar-09	08:00:00	64.2	66.7	59.9
16-Mar-09	08:30:00	64.3	66.7	60.3
16-Mar-09	09:00:00	65.2	67.4	61.7
16-Mar-09	09:30:00	65.9	67.8	62.9
16-Mar-09	10:00:00	66.6	68.5	63.5
16-Mar-09	10:30:00	66.3	68.3	63.3
16-Mar-09	11:00:00	66.5	68.4	63.6
16-Mar-09	11:30:00	66.4	68.3	63.4
16-Mar-09	12:00:00	66.7	68.5	63.6
16-Mar-09	12:30:00	66.7	68.8	63.7
16-Mar-09	13:00:00	66.8	68.6	63.9
16-Mar-09	13:30:00	66.7	68.6	63.7
16-Mar-09	14:00:00	66.6	68.5	63.4
16-Mar-09	14:30:00	66.1	68.1	62.9
16-Mar-09	15:00:00	66.7	68.9	63.6
16-Mar-09	15:30:00	66.4	68.3	63.2
16-Mar-09	16:00:00	66.3	68.1	63.5
16-Mar-09	16:30:00	66.4	68.5	63.1
16-Mar-09	17:00:00	66.1	68.1	62.8
16-Mar-09	17:30:00	66.0	68.0	62.7
16-Mar-09	18:00:00	65.7	67.6	62.7
16-Mar-09	18:30:00	65.8	67.6	63.1
	Mean	65.9	67.9	62.8
	Maximum	66.8	68.9	63.9
	Minimum	61.5	64.1	57.7

Date	Time	Noise Level for 30-min, dB(A)		
		Leq	L10	L90
17-Mar-09	07:00:00	65.3	67.7	61.0
17-Mar-09	07:30:00	67.0	69.2	63.1
17-Mar-09	08:00:00	67.5	69.7	64.5
17-Mar-09	08:30:00	69.2	71.0	66.6
17-Mar-09	09:00:00	70.5	72.1	68.5
17-Mar-09	09:30:00	67.9	69.9	65.2
17-Mar-09	10:00:00	68.3	70.3	65.2
17-Mar-09	10:30:00	70.7	72.7	67.7
17-Mar-09	11:00:00	71.4	73.0	69.1
17-Mar-09	11:30:00	69.9	72.0	65.6
17-Mar-09	12:00:00	68.2	70.5	64.7
17-Mar-09	12:30:00	67.8	70.1	64.6
17-Mar-09	13:00:00	69.2	71.4	66.0
17-Mar-09	13:30:00	68.9	70.7	65.9
17-Mar-09	14:00:00	69.0	71.3	66.1
17-Mar-09	14:30:00	69.4	71.1	67.0
17-Mar-09	15:00:00	69.0	71.3	65.4
17-Mar-09	15:30:00	67.5	69.4	64.7
17-Mar-09	16:00:00	70.9	72.6	68.4
17-Mar-09	16:30:00	69.4	71.7	65.9
17-Mar-09	17:00:00	68.1	70.2	65.2
17-Mar-09	17:30:00	70.2	72.3	66.9
17-Mar-09	18:00:00	69.7	71.0	67.8
17-Mar-09	18:30:00	66.7	68.6	64.0
	Mean	69.0	71.0	66.1
	Maximum	71.4	73.0	69.1
	Minimum	65.3	67.7	61.0

Summary of Day Time Noise Level at Raimondi College (NC16)			
	Leq	L10	L90
Mean	70.4	73.0	66.5
Max	79.4	82.8	76.9
Min	61.5	64.1	57.7

## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
11-Feb-09	07:01:00	65.4	68.6	58.2
11-Feb-09	07:31:00	66.5	68.7	60.9
11-Feb-09	08:01:00	65.7	68.5	60.6
11-Feb-09	08:31:00	65.0	68.2	60.3
11-Feb-09	09:01:00	65.3	68.0	60.0
11-Feb-09	09:31:00	65.4	68.6	60.2
11-Feb-09	10:01:00	66.0	69.0	60.9
11-Feb-09	10:31:00	68.4	69.7	61.4
11-Feb-09	11:01:00	66.1	69.2	61.3
11-Feb-09	11:31:00	65.5	68.7	60.2
11-Feb-09	12:01:00	65.1	68.3	60.7
11-Feb-09	12:31:00	65.9	68.6	60.8
11-Feb-09	13:01:00	66.8	69.4	62.0
11-Feb-09	13:31:00	67.5	71.0	60.6
11-Feb-09	14:01:00	66.9	70.9	60.3
11-Feb-09	14:31:00	65.9	68.7	60.9
11-Feb-09	15:01:00	67.3	69.7	61.0
11-Feb-09	15:31:00	65.6	68.5	61.3
11-Feb-09	16:01:00	66.5	68.7	61.8
11-Feb-09	16:31:00	66.8	68.9	61.7
11-Feb-09	17:01:00	65.9	68.8	61.1
11-Feb-09	17:31:00	65.7	69.0	60.5
11-Feb-09	18:01:00	64.8	67.5	60.2
11-Feb-09	18:31:00	65.0	67.6	59.8

Mean 66.2 69.0 60.8  
 Maximum 68.4 71.0 62.0  
 Minimum 64.8 67.5 58.2

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
12-Feb-09	07:01:00	65.0	68.1	58.8
12-Feb-09	07:31:00	65.3	68.7	60.2
12-Feb-09	08:01:00	65.4	68.4	60.4
12-Feb-09	08:31:00	65.0	68.3	60.3
12-Feb-09	09:01:00	65.1	67.7	60.3
12-Feb-09	09:31:00	65.3	68.5	60.6
12-Feb-09	10:01:00	66.6	69.7	62.3
12-Feb-09	10:31:00	66.8	69.7	62.4
12-Feb-09	11:01:00	66.3	69.4	61.7
12-Feb-09	11:31:00	67.1	69.7	60.8
12-Feb-09	12:01:00	64.9	68.3	59.9
12-Feb-09	12:31:00	66.3	69.0	61.3
12-Feb-09	13:01:00	66.1	69.1	61.1
12-Feb-09	13:31:00	66.1	68.8	60.8
12-Feb-09	14:01:00	65.8	68.9	61.5
12-Feb-09	14:31:00	65.6	68.5	61.5
12-Feb-09	15:01:00	65.8	68.5	61.5
12-Feb-09	15:31:00	66.4	69.0	61.7
12-Feb-09	16:01:00	65.0	68.0	61.0
12-Feb-09	16:31:00	66.1	68.8	61.5
12-Feb-09	17:01:00	65.6	68.2	60.5
12-Feb-09	17:31:00	65.0	68.0	60.4
12-Feb-09	18:01:00	64.4	67.5	59.6
12-Feb-09	18:31:00	64.4	67.5	59.3

Mean 65.7 68.6 60.9  
 Maximum 67.1 69.7 62.4  
 Minimum 64.4 67.5 58.8

## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
13-Feb-09	07:01:00	64.8	68.2	59.1
13-Feb-09	07:31:00	66.3	68.9	60.1
13-Feb-09	08:01:00	65.6	69.0	60.0
13-Feb-09	08:31:00	65.7	68.8	60.1
13-Feb-09	09:01:00	65.0	68.0	60.1
13-Feb-09	09:31:00	66.0	68.8	60.8
13-Feb-09	10:01:00	65.8	68.9	61.3
13-Feb-09	10:31:00	66.4	69.3	61.2
13-Feb-09	11:01:00	65.3	68.2	60.6
13-Feb-09	11:31:00	67.1	69.9	62.3
13-Feb-09	12:01:00	66.3	68.8	60.6
13-Feb-09	12:31:00	66.3	68.7	60.6
13-Feb-09	13:01:00	65.9	69.0	60.3
13-Feb-09	13:31:00	66.2	69.7	61.2
13-Feb-09	14:01:00	66.3	68.5	61.1
13-Feb-09	14:31:00	65.5	68.0	61.1
13-Feb-09	15:01:00	65.2	67.8	60.8
13-Feb-09	15:31:00	65.9	67.6	60.8
13-Feb-09	16:01:00	65.4	68.6	61.2
13-Feb-09	16:31:00	66.1	69.1	61.3
13-Feb-09	17:01:00	64.8	67.8	60.1
13-Feb-09	17:31:00	64.9	68.2	60.6
13-Feb-09	18:01:00	65.0	68.2	60.8
13-Feb-09	18:31:00	64.6	67.6	59.8

Mean 65.7 68.6 60.7  
 Maximum 67.1 69.9 62.3  
 Minimum 64.6 67.6 59.1

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
14-Feb-09	07:01:00	64.0	67.4	57.4
14-Feb-09	07:31:00	64.0	67.4	57.9
14-Feb-09	08:01:00	64.7	68.1	59.6
14-Feb-09	08:31:00	65.1	67.6	59.8
14-Feb-09	09:01:00	65.4	67.9	60.0
14-Feb-09	09:31:00	65.1	68.2	60.9
14-Feb-09	10:01:00	66.1	68.5	62.4
14-Feb-09	10:31:00	66.9	68.6	63.1
14-Feb-09	11:01:00	73.3	77.7	62.4
14-Feb-09	11:31:00	65.9	69.0	61.1
14-Feb-09	12:01:00	65.1	68.0	60.6
14-Feb-09	12:31:00	65.5	68.4	61.0
14-Feb-09	13:01:00	65.6	67.7	61.5
14-Feb-09	13:31:00	67.1	69.3	63.3
14-Feb-09	14:01:00	65.1	67.5	61.0
14-Feb-09	14:31:00	67.2	68.1	60.9
14-Feb-09	15:01:00	67.8	68.2	61.8
14-Feb-09	15:31:00	66.2	68.6	61.9
14-Feb-09	16:01:00	65.3	67.7	61.2
14-Feb-09	16:31:00	65.8	68.6	60.1
14-Feb-09	17:01:00	65.6	69.1	60.1
14-Feb-09	17:31:00	64.6	66.8	60.1
14-Feb-09	18:01:00	63.9	66.5	58.8
14-Feb-09	18:31:00	64.3	66.6	59.0

Mean 66.4 69.3 60.9  
 Maximum 73.3 77.7 63.3  
 Minimum 63.9 66.5 57.4

## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
16-Feb-09	07:01:00	65.5	68.5	58.7
16-Feb-09	07:31:00	65.7	68.9	60.1
16-Feb-09	08:01:00	65.1	68.5	60.2
16-Feb-09	08:31:00	65.9	69.0	60.5
16-Feb-09	09:01:00	65.5	68.4	60.3
16-Feb-09	09:31:00	65.4	68.8	60.2
16-Feb-09	10:01:00	65.7	69.1	61.1
16-Feb-09	10:31:00	66.3	69.1	62.1
16-Feb-09	11:01:00	66.6	69.4	62.5
16-Feb-09	11:31:00	65.9	69.1	61.9
16-Feb-09	12:01:00	66.0	68.8	60.8
16-Feb-09	12:31:00	65.5	68.2	60.8
16-Feb-09	13:01:00	64.9	68.3	60.1
16-Feb-09	13:31:00	65.6	68.4	60.7
16-Feb-09	14:01:00	65.3	67.9	60.9
16-Feb-09	14:31:00	65.1	67.9	60.7
16-Feb-09	15:01:00	65.4	67.6	60.7
16-Feb-09	15:31:00	66.4	69.2	61.6
16-Feb-09	16:01:00	65.9	69.0	61.3
16-Feb-09	16:31:00	65.6	68.7	61.0
16-Feb-09	17:01:00	65.4	68.3	60.4
16-Feb-09	17:31:00	65.6	68.8	60.6
16-Feb-09	18:01:00	64.3	67.6	59.3
16-Feb-09	18:31:00	64.8	67.6	59.6

Mean 65.6 68.6 60.7  
 Maximum 66.6 69.4 62.5  
 Minimum 64.3 67.6 58.7

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
17-Feb-09	07:01:00	64.7	68.4	58.8
17-Feb-09	07:31:00	65.1	68.4	60.2
17-Feb-09	08:01:00	65.2	68.5	60.3
17-Feb-09	08:31:00	65.6	68.6	60.4
17-Feb-09	09:01:00	66.6	69.0	61.3
17-Feb-09	09:31:00	65.7	68.8	61.0
17-Feb-09	10:01:00	65.8	69.1	61.5
17-Feb-09	10:31:00	65.8	68.8	61.9
17-Feb-09	11:01:00	66.3	69.3	62.1
17-Feb-09	11:31:00	66.1	69.0	61.8
17-Feb-09	12:01:00	65.0	68.1	60.4
17-Feb-09	12:31:00	66.0	68.6	61.3
17-Feb-09	13:01:00	65.3	68.4	60.7
17-Feb-09	13:31:00	65.6	68.7	60.8
17-Feb-09	14:01:00	65.5	68.5	60.9
17-Feb-09	14:31:00	65.1	67.6	61.1
17-Feb-09	15:01:00	65.8	68.7	61.2
17-Feb-09	15:31:00	66.4	69.3	61.9
17-Feb-09	16:01:00	65.7	68.6	61.0
17-Feb-09	16:31:00	66.0	69.1	61.1
17-Feb-09	17:01:00	65.3	68.7	60.4
17-Feb-09	17:31:00	66.2	69.1	60.2
17-Feb-09	18:01:00	64.2	67.6	59.4
17-Feb-09	18:31:00	64.8	66.9	59.2

Mean 65.6 68.6 60.9  
 Maximum 66.6 69.3 62.1  
 Minimum 64.2 66.9 58.8

## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
18-Feb-09	07:01:00	65.1	68.3	57.4
18-Feb-09	07:31:00	66.5	69.1	60.9
18-Feb-09	08:01:00	66.0	68.9	60.0
18-Feb-09	08:31:00	66.0	68.9	61.2
18-Feb-09	09:01:00	65.6	68.4	60.2
18-Feb-09	09:31:00	65.6	68.8	60.4
18-Feb-09	10:01:00	66.2	69.3	60.7
18-Feb-09	10:31:00	68.4	69.7	61.4
18-Feb-09	11:01:00	67.1	69.6	62.2
18-Feb-09	11:31:00	66.1	69.5	60.8
18-Feb-09	12:01:00	65.5	68.6	60.6
18-Feb-09	12:31:00	65.9	68.7	61.1
18-Feb-09	13:01:00	66.6	69.4	61.5
18-Feb-09	13:31:00	66.5	69.1	61.7
18-Feb-09	14:01:00	68.6	72.6	60.7
18-Feb-09	14:31:00	66.4	69.6	61.3
18-Feb-09	15:01:00	67.1	69.4	60.9
18-Feb-09	15:31:00	66.8	69.7	61.4
18-Feb-09	16:01:00	65.0	67.7	61.2
18-Feb-09	16:31:00	67.1	68.7	61.6
18-Feb-09	17:01:00	65.7	68.5	61.1
18-Feb-09	17:31:00	65.6	68.8	60.3
18-Feb-09	18:01:00	64.6	67.5	60.0
18-Feb-09	18:31:00	64.9	67.7	59.8

Mean	66.3	69.2	60.9
Maximum	68.6	72.6	62.2
Minimum	64.6	67.5	57.4

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
19-Feb-09	07:01:00	64.9	68.2	58.2
19-Feb-09	07:31:00	65.5	68.7	60.0
19-Feb-09	08:01:00	65.7	69.1	60.3
19-Feb-09	08:31:00	65.6	68.8	60.9
19-Feb-09	09:01:00	65.6	68.4	60.6
19-Feb-09	09:31:00	65.1	68.1	60.7
19-Feb-09	10:01:00	66.2	69.5	61.6
19-Feb-09	10:31:00	67.2	70.0	62.6
19-Feb-09	11:01:00	66.7	69.6	62.7
19-Feb-09	11:31:00	66.8	69.2	60.7
19-Feb-09	12:01:00	64.9	68.3	59.8
19-Feb-09	12:31:00	66.3	69.1	61.0
19-Feb-09	13:01:00	65.8	68.9	61.1
19-Feb-09	13:31:00	66.4	69.6	61.3
19-Feb-09	14:01:00	66.5	69.1	61.4
19-Feb-09	14:31:00	66.2	69.0	62.4
19-Feb-09	15:01:00	67.8	69.4	61.9
19-Feb-09	15:31:00	66.2	68.9	61.7
19-Feb-09	16:01:00	65.6	68.4	61.6
19-Feb-09	16:31:00	65.8	68.5	61.7
19-Feb-09	17:01:00	65.7	68.2	60.9
19-Feb-09	17:31:00	64.9	67.8	59.8
19-Feb-09	18:01:00	65.1	68.2	59.9
19-Feb-09	18:31:00	64.6	67.9	60.0

Mean	65.9	68.8	61.1
Maximum	67.8	70.0	62.7
Minimum	64.6	67.8	58.2



## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
20-Feb-09	07:01:00	65.7	68.6	60.4
20-Feb-09	07:31:00	66.1	69.0	61.9
20-Feb-09	08:01:00	65.8	68.7	61.9
20-Feb-09	08:31:00	65.9	68.6	62.0
20-Feb-09	09:01:00	65.0	67.6	60.7
20-Feb-09	09:31:00	65.6	69.0	60.6
20-Feb-09	10:01:00	66.2	69.6	61.4
20-Feb-09	10:31:00	66.5	69.1	61.9
20-Feb-09	11:01:00	66.0	68.6	62.4
20-Feb-09	11:31:00	66.2	69.0	62.0
20-Feb-09	12:01:00	65.3	68.2	61.0
20-Feb-09	12:31:00	66.4	69.1	61.6
20-Feb-09	13:01:00	65.9	68.7	60.9
20-Feb-09	13:31:00	66.3	68.5	61.4
20-Feb-09	14:01:00	66.5	68.5	62.7
20-Feb-09	14:31:00	65.6	67.9	61.4
20-Feb-09	15:01:00	64.7	67.6	60.4
20-Feb-09	15:31:00	65.9	68.9	61.3
20-Feb-09	16:01:00	65.7	68.3	61.6
20-Feb-09	16:31:00	65.9	68.5	60.7
20-Feb-09	17:01:00	64.9	67.8	60.2
20-Feb-09	17:31:00	64.4	67.7	59.6
20-Feb-09	18:01:00	64.6	67.9	59.6
20-Feb-09	18:31:00	64.9	67.7	60.2

Mean	65.7	68.5	61.2
Maximum	66.5	69.6	62.7
Minimum	64.4	67.6	59.6

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
21-Feb-09	07:01:00	65.0	67.8	57.7
21-Feb-09	07:31:00	64.7	67.7	58.7
21-Feb-09	08:01:00	63.9	67.7	58.6
21-Feb-09	08:31:00	65.2	68.1	59.8
21-Feb-09	09:01:00	64.8	67.9	60.1
21-Feb-09	09:31:00	65.4	67.8	61.3
21-Feb-09	10:01:00	66.3	68.8	62.8
21-Feb-09	10:31:00	68.1	70.6	63.6
21-Feb-09	11:01:00	67.6	69.3	64.2
21-Feb-09	11:31:00	65.8	68.4	61.9
21-Feb-09	12:01:00	66.6	68.9	63.4
21-Feb-09	12:31:00	71.0	73.4	64.8
21-Feb-09	13:01:00	66.8	68.7	63.9
21-Feb-09	13:31:00	67.2	68.0	63.7
21-Feb-09	14:01:00	65.3	67.6	61.0
21-Feb-09	14:31:00	65.2	67.7	61.2
21-Feb-09	15:01:00	65.3	67.9	61.2
21-Feb-09	15:31:00	64.4	66.5	60.8
21-Feb-09	16:01:00	65.5	67.8	62.1
21-Feb-09	16:31:00	65.6	67.4	62.6
21-Feb-09	17:01:00	65.4	66.7	60.0
21-Feb-09	17:31:00	64.3	66.7	59.9
21-Feb-09	18:01:00	63.7	66.4	59.3
21-Feb-09	18:31:00	63.8	66.8	59.2

Mean	66.1	68.4	61.7
Maximum	71.0	73.4	64.8
Minimum	63.7	66.4	57.7

## Appendix B1

### Day-time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
23-Feb-09	07:01:00	64.5	68.2	57.5
23-Feb-09	07:31:00	65.5	68.5	59.9
23-Feb-09	08:01:00	65.2	68.4	59.4
23-Feb-09	08:31:00	65.6	68.2	60.1
23-Feb-09	09:01:00	64.5	67.3	59.0
23-Feb-09	09:31:00	67.5	69.2	59.9
23-Feb-09	10:01:00	66.1	69.0	61.2
23-Feb-09	10:31:00	66.5	68.8	62.0
23-Feb-09	11:01:00	67.5	70.0	63.0
23-Feb-09	11:31:00	67.6	70.2	62.6
23-Feb-09	12:01:00	65.4	68.3	60.6
23-Feb-09	12:31:00	65.9	68.6	60.9
23-Feb-09	13:01:00	66.1	68.7	61.2
23-Feb-09	13:31:00	65.2	67.8	60.8
23-Feb-09	14:01:00	65.3	68.1	61.3
23-Feb-09	14:31:00	65.5	68.2	60.7
23-Feb-09	15:01:00	65.4	68.0	61.4
23-Feb-09	15:31:00	65.8	67.9	61.4
23-Feb-09	16:01:00	66.7	69.6	62.6
23-Feb-09	16:31:00	66.0	69.1	61.2
23-Feb-09	17:01:00	66.1	69.4	60.9
23-Feb-09	17:31:00	66.4	69.4	60.4
23-Feb-09	18:01:00	65.0	68.2	60.0
23-Feb-09	18:31:00	64.1	67.0	59.7

Mean 65.9 68.7 60.9  
 Maximum 67.6 70.2 63.0  
 Minimum 64.1 67.0 57.5

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
24-Feb-09	07:01:00	65.0	68.1	57.2
24-Feb-09	07:31:00	66.1	69.2	59.6
24-Feb-09	08:01:00	67.2	69.5	61.2
24-Feb-09	08:31:00	66.2	69.1	61.3
24-Feb-09	09:01:00	66.0	68.8	61.0
24-Feb-09	09:31:00	65.5	68.8	60.3
24-Feb-09	10:01:00	66.1	69.1	60.8
24-Feb-09	10:31:00	67.0	70.0	61.6
24-Feb-09	11:01:00	69.0	70.2	62.2
24-Feb-09	11:31:00	66.5	69.7	61.4
24-Feb-09	12:01:00	66.0	69.3	60.9
24-Feb-09	12:31:00	65.7	69.0	61.2
24-Feb-09	13:01:00	66.9	69.8	61.8
24-Feb-09	13:31:00	67.2	69.6	62.3
24-Feb-09	14:01:00	68.1	71.7	61.2
24-Feb-09	14:31:00	67.8	71.7	61.1
24-Feb-09	15:01:00	66.2	69.1	61.2
24-Feb-09	15:31:00	68.1	70.5	61.6
24-Feb-09	16:01:00	65.7	68.6	61.6
24-Feb-09	16:31:00	66.4	68.6	61.7
24-Feb-09	17:01:00	67.6	69.2	64.1
24-Feb-09	17:31:00	67.7	69.8	64.8
24-Feb-09	18:01:00	67.2	69.0	64.6
24-Feb-09	18:31:00	66.9	68.9	64.4

Mean 66.9 69.6 61.9  
 Maximum 69.0 71.7 64.8  
 Minimum 65.0 68.1 57.2

Summary of Day Time Noise Level at Hong Kong Institute of Technology (NC17)			
	Leq	L10	L90
Mean	66.0	68.8	61.1
Max	73.3	77.7	64.8
Min	63.7	66.4	57.2

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
11-Feb-09	07:02:00	63.9	67.1	57.3
11-Feb-09	07:32:00	65.3	67.6	59.4
11-Feb-09	08:02:00	64.0	67.1	59.1
11-Feb-09	08:32:00	63.4	66.4	58.8
11-Feb-09	09:02:00	63.8	66.6	58.4
11-Feb-09	09:32:00	64.1	67.3	59.3
11-Feb-09	10:02:00	64.5	67.8	59.6
11-Feb-09	10:32:00	66.6	68.5	60.7
11-Feb-09	11:02:00	65.1	68.4	60.4
11-Feb-09	11:32:00	64.2	67.2	59.4
11-Feb-09	12:02:00	64.2	67.2	60.1
11-Feb-09	12:32:00	65.0	67.8	60.2
11-Feb-09	13:02:00	65.4	67.9	61.0
11-Feb-09	13:32:00	66.5	70.1	59.9
11-Feb-09	14:02:00	66.0	68.7	60.1
11-Feb-09	14:32:00	64.6	67.3	60.3
11-Feb-09	15:02:00	65.3	68.6	60.1
11-Feb-09	15:32:00	64.5	67.4	60.4
11-Feb-09	16:02:00	65.6	67.5	60.6
11-Feb-09	16:32:00	64.9	67.3	60.6
11-Feb-09	17:02:00	64.8	67.8	60.1
11-Feb-09	17:32:00	64.6	67.9	59.9
11-Feb-09	18:02:00	63.8	66.5	59.9
11-Feb-09	18:32:00	64.0	66.6	59.3

Mean 64.8 67.7 59.9  
 Maximum 66.6 70.1 61.0  
 Minimum 63.4 66.4 57.3

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
12-Feb-09	07:02:00	63.8	66.9	57.9
12-Feb-09	07:32:00	63.9	67.2	59.3
12-Feb-09	08:02:00	64.1	67.1	59.6
12-Feb-09	08:32:00	63.7	66.8	59.4
12-Feb-09	09:02:00	63.8	66.4	59.6
12-Feb-09	09:32:00	64.4	67.3	60.3
12-Feb-09	10:02:00	65.7	68.5	62.0
12-Feb-09	10:32:00	65.7	68.3	62.3
12-Feb-09	11:02:00	65.5	68.2	61.3
12-Feb-09	11:32:00	64.9	68.0	60.5
12-Feb-09	12:02:00	63.7	66.7	59.6
12-Feb-09	12:32:00	65.0	67.7	61.1
12-Feb-09	13:02:00	64.8	67.7	60.8
12-Feb-09	13:32:00	65.2	67.8	60.6
12-Feb-09	14:02:00	64.9	67.5	61.6
12-Feb-09	14:32:00	65.0	67.5	61.5
12-Feb-09	15:02:00	65.0	67.5	61.8
12-Feb-09	15:32:00	64.9	67.6	61.1
12-Feb-09	16:02:00	63.9	66.6	60.6
12-Feb-09	16:32:00	65.1	67.6	61.0
12-Feb-09	17:02:00	64.8	67.2	60.2
12-Feb-09	17:32:00	64.1	67.0	60.1
12-Feb-09	18:02:00	63.4	66.3	59.3
12-Feb-09	18:32:00	63.4	66.4	59.2

Mean 64.6 67.4 60.6  
 Maximum 65.7 68.5 62.3  
 Minimum 63.4 66.3 57.9

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
13-Feb-09	07:02:00	64.0	67.3	58.2
13-Feb-09	07:32:00	64.7	67.7	59.4
13-Feb-09	08:02:00	64.3	67.5	59.3
13-Feb-09	08:32:00	64.1	67.1	59.2
13-Feb-09	09:02:00	63.7	66.6	59.3
13-Feb-09	09:32:00	64.6	67.7	60.4
13-Feb-09	10:02:00	64.7	67.6	60.8
13-Feb-09	10:32:00	64.9	67.7	60.3
13-Feb-09	11:02:00	64.3	66.9	60.2
13-Feb-09	11:32:00	66.2	68.6	61.8
13-Feb-09	12:02:00	64.9	67.3	59.6
13-Feb-09	12:32:00	64.7	67.6	60.1
13-Feb-09	13:02:00	64.4	67.6	59.6
13-Feb-09	13:32:00	65.0	68.1	60.7
13-Feb-09	14:02:00	65.1	67.6	60.9
13-Feb-09	14:32:00	64.2	66.7	60.6
13-Feb-09	15:02:00	64.1	66.7	60.3
13-Feb-09	15:32:00	64.0	66.4	59.8
13-Feb-09	16:02:00	64.4	67.3	60.5
13-Feb-09	16:32:00	64.8	67.3	60.5
13-Feb-09	17:02:00	63.9	66.9	59.5
13-Feb-09	17:32:00	64.1	66.9	60.3
13-Feb-09	18:02:00	64.2	67.2	60.5
13-Feb-09	18:32:00	63.4	66.4	59.1

Mean      64.5      67.3      60.1  
 Maximum   66.2      68.6      61.8  
 Minimum   63.4      66.4      58.2

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
14-Feb-09	07:02:00	62.6	66.3	57.2
14-Feb-09	07:32:00	62.7	66.3	57.4
14-Feb-09	08:02:00	63.6	66.8	59.2
14-Feb-09	08:32:00	64.2	66.5	58.9
14-Feb-09	09:02:00	63.8	66.7	59.3
14-Feb-09	09:32:00	63.7	66.9	59.9
14-Feb-09	10:02:00	65.1	67.3	61.5
14-Feb-09	10:32:00	66.1	68.1	63.1
14-Feb-09	11:02:00	68.8	72.9	61.6
14-Feb-09	11:32:00	64.6	67.6	60.3
14-Feb-09	12:02:00	63.5	66.3	59.6
14-Feb-09	12:32:00	63.9	66.8	59.7
14-Feb-09	13:02:00	64.3	66.7	60.6
14-Feb-09	13:32:00	65.0	67.5	61.4
14-Feb-09	14:02:00	63.9	66.6	60.6
14-Feb-09	14:32:00	65.7	66.6	60.3
14-Feb-09	15:02:00	64.9	66.8	60.5
14-Feb-09	15:32:00	64.0	66.4	60.1
14-Feb-09	16:02:00	63.8	66.4	60.2
14-Feb-09	16:32:00	64.3	67.4	59.8
14-Feb-09	17:02:00	64.4	67.7	59.4
14-Feb-09	17:32:00	62.8	65.3	59.4
14-Feb-09	18:02:00	62.5	65.3	58.0
14-Feb-09	18:32:00	63.1	65.4	58.3

Mean      64.5      67.3      60.0  
 Maximum   68.8      72.9      63.1  
 Minimum   62.5      65.3      57.2

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
16-Feb-09	07:02:00	63.6	67.1	57.6
16-Feb-09	07:32:00	63.9	67.1	58.9
16-Feb-09	08:02:00	63.4	66.7	58.6
16-Feb-09	08:32:00	63.7	66.9	59.1
16-Feb-09	09:02:00	63.8	67.2	59.1
16-Feb-09	09:32:00	63.8	67.1	59.2
16-Feb-09	10:02:00	64.4	68.0	60.0
16-Feb-09	10:32:00	65.3	67.7	62.1
16-Feb-09	11:02:00	65.7	68.2	62.8
16-Feb-09	11:32:00	65.1	67.7	62.0
16-Feb-09	12:02:00	64.3	67.0	60.5
16-Feb-09	12:32:00	63.9	66.6	59.6
16-Feb-09	13:02:00	63.6	66.9	59.5
16-Feb-09	13:32:00	63.7	66.6	59.7
16-Feb-09	14:02:00	64.0	66.5	60.2
16-Feb-09	14:32:00	63.6	66.3	59.7
16-Feb-09	15:02:00	63.5	66.1	59.6
16-Feb-09	15:32:00	64.8	67.6	60.6
16-Feb-09	16:02:00	64.3	67.3	60.3
16-Feb-09	16:32:00	64.2	67.2	59.9
16-Feb-09	17:02:00	63.8	67.2	59.3
16-Feb-09	17:32:00	64.2	67.2	59.6
16-Feb-09	18:02:00	62.9	66.1	58.5
16-Feb-09	18:32:00	63.0	66.0	58.7

Mean 64.1 67.0 60.0  
 Maximum 65.7 68.2 62.8  
 Minimum 62.9 66.0 57.6

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
17-Feb-09	07:02:00	63.4	66.9	58.1
17-Feb-09	07:32:00	63.5	66.7	59.3
17-Feb-09	08:02:00	63.7	66.9	59.3
17-Feb-09	08:32:00	64.0	66.9	59.7
17-Feb-09	09:02:00	64.9	67.2	60.6
17-Feb-09	09:32:00	64.2	67.1	59.9
17-Feb-09	10:02:00	64.6	67.7	60.7
17-Feb-09	10:32:00	64.9	67.4	61.9
17-Feb-09	11:02:00	65.1	67.7	61.9
17-Feb-09	11:32:00	64.7	67.4	61.3
17-Feb-09	12:02:00	63.8	66.8	59.9
17-Feb-09	12:32:00	64.3	66.8	60.6
17-Feb-09	13:02:00	63.9	67.0	60.0
17-Feb-09	13:32:00	64.3	67.2	60.1
17-Feb-09	14:02:00	64.9	67.4	60.9
17-Feb-09	14:32:00	63.8	66.2	60.5
17-Feb-09	15:02:00	64.7	67.1	61.2
17-Feb-09	15:32:00	64.9	67.5	61.4
17-Feb-09	16:02:00	64.3	67.3	60.4
17-Feb-09	16:32:00	64.6	67.6	60.5
17-Feb-09	17:02:00	64.0	67.3	59.5
17-Feb-09	17:32:00	63.8	66.8	59.3
17-Feb-09	18:02:00	63.2	66.5	58.8
17-Feb-09	18:32:00	63.3	65.6	58.6

Mean 64.2 67.1 60.3  
 Maximum 65.1 67.7 61.9  
 Minimum 63.2 65.6 58.1

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
18-Feb-09	07:02:00	64.2	67.6	56.8
18-Feb-09	07:32:00	65.6	67.9	59.8
18-Feb-09	08:02:00	64.4	67.6	59.0
18-Feb-09	08:32:00	64.0	67.0	59.6
18-Feb-09	09:02:00	64.0	66.7	58.7
18-Feb-09	09:32:00	64.4	67.7	59.2
18-Feb-09	10:02:00	64.8	68.0	59.7
18-Feb-09	10:32:00	66.4	68.4	60.5
18-Feb-09	11:02:00	66.2	68.9	61.5
18-Feb-09	11:32:00	64.5	68.0	59.6
18-Feb-09	12:02:00	64.6	67.7	60.4
18-Feb-09	12:32:00	64.7	67.8	60.0
18-Feb-09	13:02:00	65.7	68.4	61.3
18-Feb-09	13:32:00	65.5	68.0	60.5
18-Feb-09	14:02:00	67.5	70.8	60.4
18-Feb-09	14:32:00	65.4	68.3	60.8
18-Feb-09	15:02:00	65.7	68.9	60.5
18-Feb-09	15:32:00	64.9	67.7	60.6
18-Feb-09	16:02:00	65.6	67.7	60.8
18-Feb-09	16:32:00	65.6	67.9	60.8
18-Feb-09	17:02:00	65.0	67.8	60.6
18-Feb-09	17:32:00	65.2	68.5	60.5
18-Feb-09	18:02:00	64.4	67.3	60.2
18-Feb-09	18:32:00	64.2	66.9	59.8

Mean 65.2 68.1 60.2  
 Maximum 67.5 70.8 61.5  
 Minimum 64.0 66.7 56.8

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
19-Feb-09	07:02:00	63.8	66.8	57.9
19-Feb-09	07:32:00	64.3	67.7	59.4
19-Feb-09	08:02:00	64.4	67.6	59.7
19-Feb-09	08:32:00	64.3	67.3	59.9
19-Feb-09	09:02:00	64.1	66.7	59.8
19-Feb-09	09:32:00	64.4	67.3	60.3
19-Feb-09	10:02:00	65.5	68.5	61.7
19-Feb-09	10:32:00	66.1	68.8	62.5
19-Feb-09	11:02:00	65.7	68.5	62.4
19-Feb-09	11:32:00	65.6	68.4	61.0
19-Feb-09	12:02:00	64.6	67.9	60.1
19-Feb-09	12:32:00	65.2	67.8	61.2
19-Feb-09	13:02:00	65.1	68.1	60.9
19-Feb-09	13:32:00	65.4	68.0	61.2
19-Feb-09	14:02:00	65.2	67.9	61.3
19-Feb-09	14:32:00	65.6	68.0	62.5
19-Feb-09	15:02:00	66.1	68.1	62.0
19-Feb-09	15:32:00	64.9	67.5	61.2
19-Feb-09	16:02:00	64.5	67.4	60.7
19-Feb-09	16:32:00	64.7	67.2	61.2
19-Feb-09	17:02:00	64.6	66.8	61.2
19-Feb-09	17:32:00	63.9	66.8	59.2
19-Feb-09	18:02:00	63.7	66.8	59.3
19-Feb-09	18:32:00	63.6	66.6	59.4

Mean 64.9 67.7 60.8  
 Maximum 66.1 68.8 62.5  
 Minimum 63.6 66.6 57.9

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
20-Feb-09	07:02:00	64.5	67.1	60.7
20-Feb-09	07:32:00	65.4	67.9	62.1
20-Feb-09	08:02:00	65.2	67.7	62.3
20-Feb-09	08:32:00	65.3	67.6	62.3
20-Feb-09	09:02:00	64.3	66.6	61.3
20-Feb-09	09:32:00	64.3	67.4	60.1
20-Feb-09	10:02:00	65.1	68.2	60.9
20-Feb-09	10:32:00	65.2	67.8	61.7
20-Feb-09	11:02:00	65.6	67.9	62.8
20-Feb-09	11:32:00	65.6	68.3	61.8
20-Feb-09	12:02:00	64.3	67.1	60.6
20-Feb-09	12:32:00	65.1	67.8	61.2
20-Feb-09	13:02:00	64.3	67.1	60.2
20-Feb-09	13:32:00	65.0	67.5	61.0
20-Feb-09	14:02:00	65.4	67.4	61.8
20-Feb-09	14:32:00	64.4	66.6	60.9
20-Feb-09	15:02:00	64.0	66.6	60.3
20-Feb-09	15:32:00	64.4	67.3	60.4
20-Feb-09	16:02:00	65.1	67.5	61.3
20-Feb-09	16:32:00	64.3	67.0	60.0
20-Feb-09	17:02:00	63.8	66.5	59.5
20-Feb-09	17:32:00	63.4	66.5	58.9
20-Feb-09	18:02:00	63.6	67.0	58.9
20-Feb-09	18:32:00	64.0	66.8	60.2

Mean      64.7      67.3      61.0  
 Maximum   65.6      68.3      62.8  
 Minimum   63.4      66.5      58.9

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
21-Feb-09	07:02:00	62.9	66.5	57.2
21-Feb-09	07:32:00	63.4	66.6	58.4
21-Feb-09	08:02:00	62.7	66.0	58.0
21-Feb-09	08:32:00	63.8	66.9	59.0
21-Feb-09	09:02:00	63.3	66.2	59.2
21-Feb-09	09:32:00	64.0	66.6	60.1
21-Feb-09	10:02:00	65.4	67.4	62.9
21-Feb-09	10:32:00	66.6	68.9	63.3
21-Feb-09	11:02:00	67.2	68.8	64.5
21-Feb-09	11:32:00	64.7	67.1	61.4
21-Feb-09	12:02:00	65.7	67.7	63.3
21-Feb-09	12:32:00	68.2	70.6	65.0
21-Feb-09	13:02:00	67.2	68.7	65.4
21-Feb-09	13:32:00	67.1	68.0	65.1
21-Feb-09	14:02:00	64.5	66.8	61.3
21-Feb-09	14:32:00	63.8	66.5	60.3
21-Feb-09	15:02:00	64.1	66.3	60.7
21-Feb-09	15:32:00	63.9	66.0	60.8
21-Feb-09	16:02:00	65.0	67.1	62.6
21-Feb-09	16:32:00	66.0	67.5	64.1
21-Feb-09	17:02:00	63.8	65.7	59.3
21-Feb-09	17:32:00	63.0	65.5	59.0
21-Feb-09	18:02:00	62.5	65.3	58.5
21-Feb-09	18:32:00	62.5	65.3	58.5

Mean      65.0      67.2      61.9  
 Maximum   68.2      70.6      65.4  
 Minimum   62.5      65.3      57.2

## Appendix B1

### Day-time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
23-Feb-09	07:02:00	63.0	66.5	56.3
23-Feb-09	07:32:00	63.5	66.9	58.1
23-Feb-09	08:02:00	63.9	66.7	58.1
23-Feb-09	08:32:00	63.6	66.7	58.5
23-Feb-09	09:02:00	62.9	65.6	58.0
23-Feb-09	09:32:00	65.1	68.0	58.5
23-Feb-09	10:02:00	64.0	66.9	59.5
23-Feb-09	10:32:00	65.0	68.2	60.4
23-Feb-09	11:02:00	65.8	68.2	61.4
23-Feb-09	11:32:00	65.8	68.7	60.7
23-Feb-09	12:02:00	63.9	67.0	59.2
23-Feb-09	12:32:00	64.0	67.0	59.0
23-Feb-09	13:02:00	64.2	66.9	59.2
23-Feb-09	13:32:00	63.5	66.2	59.0
23-Feb-09	14:02:00	63.8	66.8	59.6
23-Feb-09	14:32:00	63.7	66.6	58.7
23-Feb-09	15:02:00	63.9	66.5	60.0
23-Feb-09	15:32:00	63.9	66.8	59.7
23-Feb-09	16:02:00	68.0	70.6	58.3
23-Feb-09	16:32:00	71.5	74.6	64.4
23-Feb-09	17:02:00	72.9	75.1	67.3
23-Feb-09	17:32:00	63.9	66.1	45.0
23-Feb-09	18:02:00	67.8	69.0	66.1
23-Feb-09	18:32:00	68.1	69.4	66.5

Mean 66.3 68.9 61.3  
 Maximum 72.9 75.1 67.3  
 Minimum 62.9 65.6 45.0

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
24-Feb-09	07:02:00	63.7	67.5	57.9
24-Feb-09	07:32:00	64.0	67.4	59.0
24-Feb-09	08:02:00	64.2	67.4	59.8
24-Feb-09	08:32:00	63.7	66.8	59.3
24-Feb-09	09:02:00	64.2	66.5	60.1
24-Feb-09	09:32:00	64.3	67.3	59.7
24-Feb-09	10:02:00	63.7	66.5	59.8
24-Feb-09	10:32:00	65.3	68.3	61.8
24-Feb-09	11:02:00	65.3	67.7	62.1
24-Feb-09	11:32:00	65.4	68.0	62.2
24-Feb-09	12:02:00	64.6	67.5	61.1
24-Feb-09	12:32:00	64.5	67.1	60.6
24-Feb-09	13:02:00	64.3	67.2	60.3
24-Feb-09	13:32:00	64.4	67.6	60.4
24-Feb-09	14:02:00	64.6	67.4	60.8
24-Feb-09	14:32:00	64.9	67.2	60.7
24-Feb-09	15:02:00	63.7	66.1	60.4
24-Feb-09	15:32:00	64.5	67.0	61.2
24-Feb-09	16:02:00	64.0	66.7	60.5
24-Feb-09	16:32:00	67.4	69.3	65.4
24-Feb-09	17:02:00	68.5	69.9	66.9
24-Feb-09	17:32:00	68.7	70.2	67.1
24-Feb-09	18:02:00	64.8	67.3	61.8
24-Feb-09	18:32:00	62.9	65.9	59.0

Mean 65.1 67.6 61.9  
 Maximum 68.7 70.2 67.1  
 Minimum 62.9 65.9 57.9

Summary of Day Time Noise Level at Blk A, 80 Robinson Road (NC18)			
	Leq	L10	L90
Mean	64.8	67.6	60.7
Max	72.9	75.1	67.3
Min	62.5	65.3	45.0



## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
19-May-09	07:02:00	63.8	66.7	56.4
19-May-09	07:32:00	65.0	68.2	58.0
19-May-09	08:02:00	65.5	68.5	59.6
19-May-09	08:32:00	66.0	68.9	60.3
19-May-09	09:02:00	65.6	69.2	59.2
19-May-09	09:32:00	66.4	69.8	61.0
19-May-09	10:02:00	66.8	69.5	61.5
19-May-09	10:32:00	66.0	69.0	60.4
19-May-09	11:02:00	76.3	80.3	67.2
19-May-09	11:32:00	75.7	79.4	67.9
19-May-09	12:02:00	69.1	73.5	60.1
19-May-09	12:32:00	73.5	76.6	64.6
19-May-09	13:02:00	68.2	70.3	63.3
19-May-09	13:32:00	68.6	71.1	64.7
19-May-09	14:02:00	67.9	70.2	64.2
19-May-09	14:32:00	71.5	74.9	64.9
19-May-09	15:02:00	69.8	72.0	64.5
19-May-09	15:32:00	68.9	71.4	63.6
19-May-09	16:02:00	66.7	69.4	61.3
19-May-09	16:32:00	64.6	67.2	58.8
19-May-09	17:02:00	64.0	67.4	59.3
19-May-09	17:32:00	63.9	66.6	57.6
19-May-09	18:02:00	62.9	65.5	58.2
19-May-09	18:32:00	62.5	65.6	57.2

Mean	69.4	72.7	62.6
Maximum	76.3	80.3	67.9
Minimum	62.5	65.5	56.4

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
20-May-09	07:02:00	63.7	66.7	56.3
20-May-09	07:32:00	65.2	68.3	58.9
20-May-09	08:02:00	66.7	70.3	59.9
20-May-09	08:32:00	64.2	67.0	58.1
20-May-09	09:02:00	66.9	69.9	58.6
20-May-09	09:32:00	65.7	68.5	59.9
20-May-09	10:02:00	68.8	72.3	61.4
20-May-09	10:32:00	72.1	75.4	63.6
20-May-09	11:02:00	68.8	72.6	61.4
20-May-09	11:32:00	65.7	68.7	60.7
20-May-09	12:02:00	64.4	67.5	59.1
20-May-09	12:32:00	66.9	69.4	63.1
20-May-09	13:02:00	67.6	70.0	63.7
20-May-09	13:32:00	66.3	68.9	62.1
20-May-09	14:02:00	68.4	70.4	65.2
20-May-09	14:32:00	69.4	71.5	66.6
20-May-09	15:02:00	69.3	71.5	65.6
20-May-09	15:32:00	66.9	69.8	62.1
20-May-09	16:02:00	66.7	69.1	62.3
20-May-09	16:32:00	66.1	68.5	60.8
20-May-09	17:02:00	63.9	66.4	58.0
20-May-09	17:32:00	63.1	65.8	57.7
20-May-09	18:02:00	62.0	64.9	57.1
20-May-09	18:32:00	62.0	64.3	56.2

Mean	67.0	69.8	61.7
Maximum	72.1	75.4	66.6
Minimum	62.0	64.3	56.2

## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
21-May-09	07:02:00	66.0	69.0	57.7
21-May-09	07:32:00	66.5	69.1	60.6
21-May-09	08:02:00	67.4	70.5	60.9
21-May-09	08:32:00	64.4	67.6	58.8
21-May-09	09:02:00	66.2	68.9	58.9
21-May-09	09:32:00	66.2	69.4	60.1
21-May-09	10:02:00	68.3	70.5	63.3
21-May-09	10:32:00	67.6	69.7	63.6
21-May-09	11:02:00	66.9	69.1	63.3
21-May-09	11:32:00	69.7	72.1	65.7
21-May-09	12:02:00	66.3	69.2	60.6
21-May-09	12:32:00	68.5	71.1	64.1
21-May-09	13:02:00	69.2	71.9	64.9
21-May-09	13:32:00	67.7	70.1	62.7
21-May-09	14:02:00	68.7	70.8	64.6
21-May-09	14:32:00	68.9	71.1	65.2
21-May-09	15:02:00	67.9	70.7	61.5
21-May-09	15:32:00	67.8	71.3	61.4
21-May-09	16:02:00	71.4	73.3	67.1
21-May-09	16:32:00	68.1	70.7	63.6
21-May-09	17:02:00	64.1	67.3	58.3
21-May-09	17:32:00	64.2	66.6	58.6
21-May-09	18:02:00	63.2	66.0	57.5
21-May-09	18:32:00	63.5	65.8	57.1

Mean      67.5      70.0      62.6  
 Maximum   71.4      73.3      67.1  
 Minimum   63.2      65.8      57.1

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
22-May-09	07:02:00	63.9	67.4	57.0
22-May-09	07:32:00	65.5	68.6	58.4
22-May-09	08:02:00	65.0	67.6	59.0
22-May-09	08:32:00	67.6	70.3	61.6
22-May-09	09:02:00	65.7	68.7	59.6
22-May-09	09:32:00	67.2	70.3	62.3
22-May-09	10:02:00	72.0	75.9	65.2
22-May-09	10:32:00	75.7	79.4	66.9
22-May-09	11:02:00	78.3	82.3	65.3
22-May-09	11:32:00	79.3	83.1	65.7
22-May-09	12:02:00	71.8	76.2	62.3
22-May-09	12:32:00	66.7	69.3	61.9
22-May-09	13:02:00	68.3	70.2	63.0
22-May-09	13:32:00	70.1	72.3	64.4
22-May-09	14:02:00	69.0	72.0	63.4
22-May-09	14:32:00	69.4	71.4	66.2
22-May-09	15:02:00	81.7	85.4	73.8
22-May-09	15:32:00	76.2	79.9	68.1
22-May-09	16:02:00	65.7	68.0	60.7
22-May-09	16:32:00	64.8	67.7	58.8
22-May-09	17:02:00	64.2	67.2	57.5
22-May-09	17:32:00	63.3	66.1	58.2
22-May-09	18:02:00	62.0	64.7	57.2
22-May-09	18:32:00	62.7	65.0	56.8

Mean      73.1      76.7      64.7  
 Maximum   81.7      85.4      73.8  
 Minimum   62.0      64.7      56.8

## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
23-May-09	07:02:00	68.7	66.8	56.0
23-May-09	07:32:00	64.7	67.9	58.3
23-May-09	08:02:00	64.3	67.5	57.8
23-May-09	08:32:00	66.4	69.3	60.5
23-May-09	09:02:00	64.8	68.2	59.5
23-May-09	09:32:00	65.3	68.4	59.1
23-May-09	10:02:00	68.6	71.8	63.8
23-May-09	10:32:00	75.4	79.0	68.2
23-May-09	11:02:00	78.2	82.9	63.8
23-May-09	11:32:00	76.9	81.0	64.6
23-May-09	12:02:00	75.8	80.3	62.2
23-May-09	12:32:00	79.7	83.8	68.3
23-May-09	13:02:00	70.4	73.7	63.5
23-May-09	13:32:00	71.1	74.0	64.2
23-May-09	14:02:00	68.7	71.6	63.0
23-May-09	14:32:00	66.7	68.5	60.0
23-May-09	15:02:00	66.6	68.9	59.8
23-May-09	15:32:00	66.5	68.9	60.2
23-May-09	16:02:00	64.6	67.7	58.8
23-May-09	16:32:00	63.0	66.1	57.7
23-May-09	17:02:00	63.8	66.7	57.7
23-May-09	17:32:00	63.1	66.0	56.7
23-May-09	18:02:00	62.0	65.4	55.6
23-May-09	18:32:00	61.7	64.0	55.5

Mean 71.9 75.8 62.2  
 Maximum 79.7 83.8 68.3  
 Minimum 61.7 64.0 55.5

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
25-May-09	07:02:00	58.8	61.8	51.4
25-May-09	07:32:00	60.0	63.2	53.0
25-May-09	08:02:00	63.9	66.9	56.2
25-May-09	08:32:00	61.2	63.7	55.3
25-May-09	09:02:00	61.8	64.6	55.1
25-May-09	09:32:00	62.7	65.2	56.4
25-May-09	10:02:00	62.7	65.6	56.5
25-May-09	10:32:00	62.1	65.1	56.0
25-May-09	11:02:00	61.7	64.0	56.0
25-May-09	11:32:00	62.1	64.6	56.1
25-May-09	12:02:00	61.8	63.9	55.0
25-May-09	12:32:00	63.4	66.9	56.5
25-May-09	13:02:00	61.5	64.0	55.6
25-May-09	13:32:00	61.9	64.8	55.6
25-May-09	14:02:00	61.8	63.7	55.4
25-May-09	14:32:00	63.1	66.0	56.0
25-May-09	15:02:00	62.1	64.4	56.2
25-May-09	15:32:00	62.1	64.0	55.9
25-May-09	16:02:00	61.7	64.7	55.6
25-May-09	16:32:00	61.8	64.9	55.7
25-May-09	17:02:00	62.2	65.6	55.7
25-May-09	17:32:00	61.9	64.0	55.7
25-May-09	18:02:00	62.0	64.3	56.4
25-May-09	18:32:00	61.1	63.7	56.3

Mean 62.0 64.7 55.7  
 Maximum 63.9 66.9 56.5  
 Minimum 58.8 61.8 51.4

## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
26-May-09	07:02:00	64.2	67.3	57.7
26-May-09	07:32:00	64.4	66.7	58.1
26-May-09	08:02:00	65.6	68.6	59.1
26-May-09	08:32:00	65.0	68.5	58.7
26-May-09	09:02:00	64.3	67.3	58.4
26-May-09	09:32:00	64.6	67.5	59.3
26-May-09	10:02:00	67.2	69.1	61.8
26-May-09	10:32:00	69.3	68.9	61.5
26-May-09	11:02:00	72.3	73.9	63.1
26-May-09	11:32:00	67.7	69.6	65.3
26-May-09	12:02:00	64.4	67.3	58.3
26-May-09	12:32:00	69.5	70.7	67.7
26-May-09	13:02:00	67.3	69.2	64.4
26-May-09	13:32:00	66.7	69.7	60.7
26-May-09	14:02:00	69.4	70.9	62.8
26-May-09	14:32:00	67.8	70.4	60.6
26-May-09	15:02:00	66.2	69.3	58.4
26-May-09	15:32:00	66.7	70.0	59.8
26-May-09	16:02:00	65.8	68.9	58.4
26-May-09	16:32:00	66.7	69.5	59.3
26-May-09	17:02:00	66.4	69.3	59.1
26-May-09	17:32:00	63.8	67.1	57.7
26-May-09	18:02:00	65.5	68.1	57.5
26-May-09	18:32:00	64.0	66.4	56.2

Mean	67.0	69.3	61.2
Maximum	72.3	73.9	67.7
Minimum	63.8	66.4	56.2

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
27-May-09	07:02:00	61.8	64.6	54.1
27-May-09	07:32:00	62.5	66.2	55.4
27-May-09	08:02:00	68.3	69.2	60.6
27-May-09	08:32:00	62.8	65.6	57.5
27-May-09	09:02:00	64.6	67.2	58.8
27-May-09	09:32:00	64.9	67.7	59.2
27-May-09	10:02:00	67.4	69.6	61.0
27-May-09	10:32:00	67.6	70.3	62.2
27-May-09	11:02:00	67.6	70.4	62.9
27-May-09	11:32:00	69.8	71.4	61.2
27-May-09	12:02:00	64.5	67.3	58.7
27-May-09	12:32:00	65.7	67.9	59.9
27-May-09	13:02:00	67.4	70.5	61.4
27-May-09	13:32:00	66.1	68.2	61.5
27-May-09	14:02:00	72.8	76.5	66.2
27-May-09	14:32:00	71.7	74.6	65.5
27-May-09	15:02:00	66.2	68.7	60.6
27-May-09	15:32:00	66.2	69.4	59.2
27-May-09	16:02:00	64.0	66.5	58.5
27-May-09	16:32:00	62.6	65.1	57.5
27-May-09	17:02:00	64.1	67.4	57.9
27-May-09	17:32:00	62.8	65.7	56.9
27-May-09	18:02:00	62.2	65.2	56.2
27-May-09	18:32:00	63.4	66.2	57.2

Mean	66.8	69.6	60.6
Maximum	72.8	76.5	66.2
Minimum	61.8	64.6	54.1

## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
29-May-09	07:02:00	64.3	67.0	57.3
29-May-09	07:32:00	64.7	67.6	57.6
29-May-09	08:02:00	68.0	69.4	59.8
29-May-09	08:32:00	66.2	69.7	60.2
29-May-09	09:02:00	71.9	75.7	62.0
29-May-09	09:32:00	70.5	73.3	62.8
29-May-09	10:02:00	68.6	71.7	61.2
29-May-09	10:32:00	69.3	72.4	62.2
29-May-09	11:02:00	66.1	69.0	60.2
29-May-09	11:32:00	65.0	67.7	59.0
29-May-09	12:02:00	65.7	68.6	60.0
29-May-09	12:32:00	66.8	69.9	59.4
29-May-09	13:02:00	65.9	68.3	59.3
29-May-09	13:32:00	65.1	68.5	58.2
29-May-09	14:02:00	65.7	69.1	58.6
29-May-09	14:32:00	67.2	70.3	59.7
29-May-09	15:02:00	65.9	68.9	60.0
29-May-09	15:32:00	69.4	72.6	63.0
29-May-09	16:02:00	66.0	68.8	59.7
29-May-09	16:32:00	65.0	67.5	60.2
29-May-09	17:02:00	63.8	66.6	58.2
29-May-09	17:32:00	64.8	68.1	58.0
29-May-09	18:02:00	62.6	65.2	56.3
29-May-09	18:32:00	63.0	65.5	57.2

Mean        67.0     70.0     59.9  
Maximum    71.9     75.7     63.0  
Minimum    62.6     65.2     56.3

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
30-May-09	07:02:00	63.6	66.5	56.6
30-May-09	07:32:00	64.7	67.7	58.7
30-May-09	08:02:00	65.9	68.8	60.0
30-May-09	08:32:00	63.8	66.4	58.6
30-May-09	09:02:00	67.6	70.9	60.6
30-May-09	09:32:00	67.7	71.2	59.5
30-May-09	10:02:00	68.6	72.1	61.1
30-May-09	10:32:00	68.3	71.7	61.1
30-May-09	11:02:00	68.2	70.8	60.7
30-May-09	11:32:00	64.4	67.0	58.0
30-May-09	12:02:00	64.0	67.1	58.2
30-May-09	12:32:00	64.1	67.2	57.9
30-May-09	13:02:00	65.0	67.9	58.0
30-May-09	13:32:00	64.8	67.7	58.4
30-May-09	14:02:00	63.8	66.5	58.5
30-May-09	14:32:00	65.1	68.4	58.1
30-May-09	15:02:00	65.1	68.1	58.3
30-May-09	15:32:00	66.4	70.2	58.6
30-May-09	16:02:00	63.4	66.1	58.1
30-May-09	16:32:00	64.2	67.2	57.3
30-May-09	17:02:00	63.5	66.4	57.4
30-May-09	17:32:00	63.1	66.2	57.4
30-May-09	18:02:00	62.0	64.5	57.1
30-May-09	18:32:00	62.3	65.0	56.8

Mean        65.4     68.5     58.7  
Maximum    68.6     72.1     61.1  
Minimum    62.0     64.5     56.6

## Appendix B1

### Day-time Noise Level at Villa Veneto (NC19)

Date	Noise Level for 30-min, dB(A)			
	Time	Leq	L10	L90
1-Jun-09	07:02:00	63.2	66.6	56.6
1-Jun-09	07:32:00	65.2	68.7	58.5
1-Jun-09	08:02:00	65.4	68.8	58.4
1-Jun-09	08:32:00	66.7	69.9	60.1
1-Jun-09	09:02:00	68.0	72.2	59.6
1-Jun-09	09:32:00	66.9	70.0	58.6
1-Jun-09	10:02:00	70.0	74.0	59.8
1-Jun-09	10:32:00	72.2	76.8	59.9
1-Jun-09	11:02:00	68.5	72.4	59.3
1-Jun-09	11:32:00	64.3	67.7	57.6
1-Jun-09	12:02:00	63.6	66.3	57.4
1-Jun-09	12:32:00	64.0	67.4	57.2
1-Jun-09	13:02:00	65.4	68.6	59.3
1-Jun-09	13:32:00	63.8	67.1	57.5
1-Jun-09	14:02:00	66.4	70.6	58.3
1-Jun-09	14:32:00	65.6	69.6	58.5
1-Jun-09	15:02:00	65.5	68.4	59.5
1-Jun-09	15:32:00	65.4	68.3	59.2
1-Jun-09	16:02:00	65.2	68.2	59.2
1-Jun-09	16:32:00	64.6	67.3	59.2
1-Jun-09	17:02:00	64.6	67.6	59.0
1-Jun-09	17:32:00	62.4	65.4	57.7
1-Jun-09	18:02:00	63.6	66.2	57.5
1-Jun-09	18:32:00	62.8	65.9	56.7
	Mean	66.3	70.0	58.6
	Maximum	72.2	76.8	60.1
	Minimum	62.4	65.4	56.6

Summary of Day Time Noise Level at Villa Veneto (NC19)			
	Leq	L10	L90
Mean	68.6	71.9	61.4
Max	81.7	85.4	73.8
Min	58.8	61.8	51.4

---

**APPENDIX B2 & B3  
EVENING-TIME 19:00-23:00 AND  
HOLIDAYS 07:00-2300 BASELINE NOISE  
MONITORING DATA**

---

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
4-Mar-09	19:00:00	66.2	67.4	62.2
4-Mar-09	19:05:00	64.4	66.7	61.3
4-Mar-09	19:10:00	63.8	65.9	60.9
4-Mar-09	19:15:00	64.6	67.0	61.1
4-Mar-09	19:20:00	64.4	66.4	61.4
4-Mar-09	19:25:00	64.4	66.3	61.4
4-Mar-09	19:30:00	64.6	66.7	61.4
4-Mar-09	19:35:00	63.9	65.7	61.5
4-Mar-09	19:40:00	63.6	65.4	60.9
4-Mar-09	19:45:00	65.3	67.4	62.3
4-Mar-09	19:50:00	65.2	66.8	61.7
4-Mar-09	19:55:00	64.8	66.4	62.3
4-Mar-09	20:00:00	66.0	67.5	63.7
4-Mar-09	20:05:00	66.6	68.8	63.4
4-Mar-09	20:10:00	65.8	67.4	63.6
4-Mar-09	20:15:00	66.2	67.8	64.0
4-Mar-09	20:20:00	66.3	67.5	63.1
4-Mar-09	20:25:00	66.1	67.6	63.1
4-Mar-09	20:30:00	65.6	67.2	62.9
4-Mar-09	20:35:00	65.8	67.4	63.8
4-Mar-09	20:40:00	65.7	67.3	62.9
4-Mar-09	20:45:00	65.3	66.8	62.3
4-Mar-09	20:50:00	65.5	67.4	63.0
4-Mar-09	20:55:00	65.7	67.6	62.3
4-Mar-09	21:00:00	66.1	67.7	63.0
4-Mar-09	21:05:00	65.4	67.0	62.8
4-Mar-09	21:10:00	65.4	67.7	62.3
4-Mar-09	21:15:00	65.5	67.7	61.7
4-Mar-09	21:20:00	64.8	66.6	62.3
4-Mar-09	21:25:00	65.0	66.8	62.2
4-Mar-09	21:30:00	66.0	67.3	62.5
4-Mar-09	21:35:00	65.7	67.5	62.7
4-Mar-09	21:40:00	65.2	66.9	62.4
4-Mar-09	21:45:00	65.0	66.8	62.6
4-Mar-09	21:50:00	66.3	68.1	62.8
4-Mar-09	21:55:00	65.3	67.4	62.3
4-Mar-09	22:00:00	65.9	67.2	63.1
4-Mar-09	22:05:00	64.5	66.6	61.3
4-Mar-09	22:10:00	65.6	67.8	62.3
4-Mar-09	22:15:00	66.2	67.6	62.5
4-Mar-09	22:20:00	65.2	67.3	62.2
4-Mar-09	22:25:00	65.0	66.7	62.4
4-Mar-09	22:30:00	65.7	67.8	61.0
4-Mar-09	22:35:00	65.4	66.9	61.5
4-Mar-09	22:40:00	65.5	67.3	62.4
4-Mar-09	22:45:00	65.0	67.2	61.6
4-Mar-09	22:50:00	65.4	67.5	62.7
4-Mar-09	22:55:00	64.6	66.7	61.2

Mean 65.4 67.2 62.4  
Maximum 66.6 68.8 64.0  
Minimum 63.6 65.4 60.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
5-Mar-09	19:00:00	72.4	73.5	71.2
5-Mar-09	19:05:00	70.2	71.6	68.9
5-Mar-09	19:10:00	69.4	70.4	68.2
5-Mar-09	19:15:00	68.7	69.9	67.3
5-Mar-09	19:20:00	68.5	70.3	66.6
5-Mar-09	19:25:00	67.9	68.9	66.3
5-Mar-09	19:30:00	67.9	69.2	66.3
5-Mar-09	19:35:00	68.1	69.7	66.3
5-Mar-09	19:40:00	68.9	70.1	67.3
5-Mar-09	19:45:00	70.4	71.6	68.9
5-Mar-09	19:50:00	71.7	73.5	69.9
5-Mar-09	19:55:00	71.8	72.8	70.7
5-Mar-09	20:00:00	71.2	72.6	69.5
5-Mar-09	20:05:00	69.7	70.8	68.3
5-Mar-09	20:10:00	69.2	70.7	67.3
5-Mar-09	20:15:00	68.8	69.8	67.5
5-Mar-09	20:20:00	68.9	68.9	67.1
5-Mar-09	20:25:00	67.3	68.5	66.0
5-Mar-09	20:30:00	67.3	68.6	65.6
5-Mar-09	20:35:00	67.1	68.8	65.1
5-Mar-09	20:40:00	67.4	68.7	65.6
5-Mar-09	20:45:00	67.3	68.8	65.6
5-Mar-09	20:50:00	67.2	68.6	65.7
5-Mar-09	20:55:00	67.8	69.3	65.1
5-Mar-09	21:00:00	66.6	67.8	65.1
5-Mar-09	21:05:00	66.8	68.2	64.6
5-Mar-09	21:10:00	66.5	67.7	64.4
5-Mar-09	21:15:00	66.3	67.8	64.2
5-Mar-09	21:20:00	66.3	67.6	64.8
5-Mar-09	21:25:00	66.7	67.7	64.2
5-Mar-09	21:30:00	66.6	68.2	64.2
5-Mar-09	21:35:00	66.5	68.2	64.4
5-Mar-09	21:40:00	65.9	67.2	64.1
5-Mar-09	21:45:00	65.3	66.9	63.0
5-Mar-09	21:50:00	67.2	68.8	64.5
5-Mar-09	21:55:00	66.0	67.5	64.0
5-Mar-09	22:00:00	66.6	68.2	64.5
5-Mar-09	22:05:00	67.0	68.6	63.8
5-Mar-09	22:10:00	66.2	67.6	63.9
5-Mar-09	22:15:00	65.8	67.5	63.5
5-Mar-09	22:20:00	66.0	67.6	64.0
5-Mar-09	22:25:00	65.0	66.4	62.7
5-Mar-09	22:30:00	66.0	67.7	63.5
5-Mar-09	22:35:00	66.1	67.8	64.0
5-Mar-09	22:40:00	65.8	67.7	63.1
5-Mar-09	22:45:00	64.5	66.1	62.4
5-Mar-09	22:50:00	65.9	67.9	62.8
5-Mar-09	22:55:00	65.3	66.9	62.9

Mean 68.0 69.3 66.2  
Maximum 72.4 73.5 71.2  
Minimum 64.5 66.1 62.4



## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
6-Mar-09	19:00:00	66.5	67.9	64.2
6-Mar-09	19:05:00	66.8	68.6	63.7
6-Mar-09	19:10:00	65.3	66.8	63.0
6-Mar-09	19:15:00	66.2	67.9	63.4
6-Mar-09	19:20:00	66.1	67.9	63.9
6-Mar-09	19:25:00	66.2	67.9	64.1
6-Mar-09	19:30:00	66.0	67.6	64.0
6-Mar-09	19:35:00	66.2	68.6	63.0
6-Mar-09	19:40:00	66.4	67.9	63.7
6-Mar-09	19:45:00	65.9	67.6	63.3
6-Mar-09	19:50:00	66.7	68.6	63.8
6-Mar-09	19:55:00	66.4	68.6	63.3
6-Mar-09	20:00:00	67.3	68.9	64.4
6-Mar-09	20:05:00	66.0	67.7	63.8
6-Mar-09	20:10:00	65.7	67.3	63.9
6-Mar-09	20:15:00	67.4	68.9	64.0
6-Mar-09	20:20:00	65.7	67.3	63.7
6-Mar-09	20:25:00	66.2	68.0	63.5
6-Mar-09	20:30:00	65.9	67.5	63.8
6-Mar-09	20:35:00	66.5	68.5	63.6
6-Mar-09	20:40:00	65.5	67.3	63.1
6-Mar-09	20:45:00	65.2	67.0	62.8
6-Mar-09	20:50:00	65.0	66.8	62.9
6-Mar-09	20:55:00	65.7	67.8	62.8
6-Mar-09	21:00:00	65.3	66.9	62.3
6-Mar-09	21:05:00	65.7	67.5	63.3
6-Mar-09	21:10:00	65.4	67.4	62.3
6-Mar-09	21:15:00	65.5	67.5	62.8
6-Mar-09	21:20:00	65.0	66.7	62.8
6-Mar-09	21:25:00	66.4	68.2	64.0
6-Mar-09	21:30:00	66.7	68.7	64.3
6-Mar-09	21:35:00	67.5	69.9	64.4
6-Mar-09	21:40:00	66.7	68.5	64.4
6-Mar-09	21:45:00	67.5	69.2	65.0
6-Mar-09	21:50:00	68.0	69.9	65.2
6-Mar-09	21:55:00	67.8	69.4	66.0
6-Mar-09	22:00:00	68.2	69.6	66.4
6-Mar-09	22:05:00	68.2	69.7	66.6
6-Mar-09	22:10:00	68.6	70.0	66.7
6-Mar-09	22:15:00	68.2	69.0	66.2
6-Mar-09	22:20:00	66.8	68.4	65.1
6-Mar-09	22:25:00	66.7	67.9	65.1
6-Mar-09	22:30:00	66.7	68.4	64.0
6-Mar-09	22:35:00	66.7	68.6	64.2
6-Mar-09	22:40:00	66.3	67.9	64.1
6-Mar-09	22:45:00	66.4	67.7	65.0
6-Mar-09	22:50:00	66.5	67.9	64.6
6-Mar-09	22:55:00	66.4	68.3	63.7

Mean 66.6 68.3 64.2  
Maximum 68.6 70.0 66.7  
Minimum 65.0 66.7 62.3

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
7-Mar-09	19:00:00	66.2	67.9	63.6
7-Mar-09	19:05:00	66.1	68.0	64.0
7-Mar-09	19:10:00	66.9	68.7	63.4
7-Mar-09	19:15:00	66.2	67.8	63.9
7-Mar-09	19:20:00	67.3	68.8	64.1
7-Mar-09	19:25:00	65.9	68.0	62.9
7-Mar-09	19:30:00	66.7	68.3	63.5
7-Mar-09	19:35:00	66.4	68.1	63.7
7-Mar-09	19:40:00	65.9	67.6	62.6
7-Mar-09	19:45:00	65.6	67.5	62.2
7-Mar-09	19:50:00	66.5	68.8	63.2
7-Mar-09	19:55:00	66.1	67.9	63.0
7-Mar-09	20:00:00	64.9	66.8	62.2
7-Mar-09	20:05:00	66.2	68.2	62.6
7-Mar-09	20:10:00	65.8	67.8	63.1
7-Mar-09	20:15:00	65.7	67.5	62.8
7-Mar-09	20:20:00	65.7	67.8	62.5
7-Mar-09	20:25:00	64.8	66.9	61.2
7-Mar-09	20:30:00	65.4	67.5	62.5
7-Mar-09	20:35:00	65.8	67.9	62.6
7-Mar-09	20:40:00	64.5	66.5	61.5
7-Mar-09	20:45:00	64.1	66.0	60.7
7-Mar-09	20:50:00	65.7	68.4	61.3
7-Mar-09	20:55:00	65.2	67.0	62.3
7-Mar-09	21:00:00	64.3	65.9	61.1
7-Mar-09	21:05:00	65.0	66.9	62.0
7-Mar-09	21:10:00	65.8	67.6	61.6
7-Mar-09	21:15:00	65.5	67.7	61.4
7-Mar-09	21:20:00	65.1	66.9	62.1
7-Mar-09	21:25:00	66.2	67.9	62.7
7-Mar-09	21:30:00	64.9	66.8	61.8
7-Mar-09	21:35:00	65.4	67.2	62.2
7-Mar-09	21:40:00	64.7	66.5	61.9
7-Mar-09	21:45:00	64.5	66.5	61.4
7-Mar-09	21:50:00	65.1	67.5	61.7
7-Mar-09	21:55:00	65.5	67.6	61.8
7-Mar-09	22:00:00	65.0	66.9	61.9
7-Mar-09	22:05:00	64.7	66.6	62.1
7-Mar-09	22:10:00	65.6	67.8	62.3
7-Mar-09	22:15:00	65.6	68.3	62.2
7-Mar-09	22:20:00	64.7	66.5	62.4
7-Mar-09	22:25:00	65.7	67.4	62.5
7-Mar-09	22:30:00	64.9	66.7	62.2
7-Mar-09	22:35:00	65.5	67.8	61.6
7-Mar-09	22:40:00	65.2	66.9	62.6
7-Mar-09	22:45:00	64.7	66.5	61.4
7-Mar-09	22:50:00	65.2	67.0	62.1
7-Mar-09	22:55:00	65.1	66.7	61.9

Mean 65.5 67.5 62.4  
Maximum 67.3 68.8 64.1  
Minimum 64.1 65.9 60.7

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
8-Mar-09	07:00:00	62.1	64.6	58.1
8-Mar-09	07:05:00	61.2	63.8	57.3
8-Mar-09	07:10:00	61.2	64.1	57.4
8-Mar-09	07:15:00	62.1	64.5	58.1
8-Mar-09	07:20:00	62.9	65.7	58.6
8-Mar-09	07:25:00	62.4	65.5	57.6
8-Mar-09	07:30:00	62.4	65.0	58.2
8-Mar-09	07:35:00	62.6	65.6	58.4
8-Mar-09	07:40:00	62.7	65.4	58.6
8-Mar-09	07:45:00	63.6	66.4	59.4
8-Mar-09	07:50:00	62.9	66.0	59.0
8-Mar-09	07:55:00	63.8	66.5	59.1
8-Mar-09	08:00:00	64.5	65.9	60.4
8-Mar-09	08:05:00	64.0	66.2	59.8
8-Mar-09	08:10:00	64.6	67.3	60.0
8-Mar-09	08:15:00	63.7	66.3	59.6
8-Mar-09	08:20:00	63.3	65.5	59.8
8-Mar-09	08:25:00	63.1	65.5	59.4
8-Mar-09	08:30:00	65.2	67.4	60.2
8-Mar-09	08:35:00	65.0	67.8	61.0
8-Mar-09	08:40:00	63.1	65.3	59.6
8-Mar-09	08:45:00	64.8	66.9	60.5
8-Mar-09	08:50:00	64.2	66.5	61.2
8-Mar-09	08:55:00	64.6	66.9	61.2
8-Mar-09	09:00:00	65.4	67.7	62.1
8-Mar-09	09:05:00	64.4	66.4	60.9
8-Mar-09	09:10:00	66.0	67.8	62.2
8-Mar-09	09:15:00	65.7	67.6	62.7
8-Mar-09	09:20:00	65.7	67.7	62.1
8-Mar-09	09:25:00	66.2	67.8	62.8
8-Mar-09	09:30:00	64.5	66.6	62.0
8-Mar-09	09:35:00	65.9	67.8	62.8
8-Mar-09	09:40:00	65.7	67.3	63.2
8-Mar-09	09:45:00	66.2	68.0	62.7
8-Mar-09	09:50:00	66.3	68.5	63.2
8-Mar-09	09:55:00	65.9	67.7	63.3
8-Mar-09	10:00:00	66.6	68.5	63.5
8-Mar-09	10:05:00	65.0	66.8	62.2
8-Mar-09	10:10:00	67.2	69.2	64.1
8-Mar-09	10:15:00	65.8	67.8	63.3
8-Mar-09	10:20:00	66.3	68.5	63.1
8-Mar-09	10:25:00	66.6	68.8	63.4
8-Mar-09	10:30:00	65.3	66.9	62.6
8-Mar-09	10:35:00	65.7	67.7	63.0
8-Mar-09	10:40:00	67.0	68.6	63.1
8-Mar-09	10:45:00	66.6	68.9	63.0
8-Mar-09	10:50:00	65.8	67.6	63.1
8-Mar-09	10:55:00	66.3	68.2	63.5

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
8-Mar-09	11:00:00	67.1	68.7	65.1
8-Mar-09	11:05:00	67.4	69.2	64.4
8-Mar-09	11:10:00	67.2	69.3	64.2
8-Mar-09	11:15:00	67.1	69.3	64.1
8-Mar-09	11:20:00	66.1	67.9	63.2
8-Mar-09	11:25:00	66.5	68.8	63.4
8-Mar-09	11:30:00	66.5	68.0	63.9
8-Mar-09	11:35:00	66.7	68.9	63.4
8-Mar-09	11:40:00	67.2	68.8	64.3
8-Mar-09	11:45:00	67.2	68.5	64.4
8-Mar-09	11:50:00	66.4	68.5	63.2
8-Mar-09	11:55:00	66.1	67.8	62.9
8-Mar-09	12:00:00	66.1	67.9	62.8
8-Mar-09	12:05:00	66.4	68.1	63.2
8-Mar-09	12:10:00	66.3	68.3	63.4
8-Mar-09	12:15:00	66.7	68.9	63.4
8-Mar-09	12:20:00	67.3	69.6	64.2
8-Mar-09	12:25:00	66.0	67.9	63.2
8-Mar-09	12:30:00	65.9	67.8	62.8
8-Mar-09	12:35:00	66.0	68.0	63.3
8-Mar-09	12:40:00	66.3	68.3	63.5
8-Mar-09	12:45:00	66.4	67.9	63.4
8-Mar-09	12:50:00	66.1	67.8	63.6
8-Mar-09	12:55:00	66.4	68.5	62.1
8-Mar-09	13:00:00	67.0	68.7	64.1
8-Mar-09	13:05:00	66.9	68.7	64.3
8-Mar-09	13:10:00	66.1	67.9	63.7
8-Mar-09	13:15:00	66.4	68.3	63.5
8-Mar-09	13:20:00	66.6	68.8	63.5
8-Mar-09	13:25:00	66.1	67.8	63.6
8-Mar-09	13:30:00	67.3	69.4	63.9
8-Mar-09	13:35:00	66.0	67.8	63.3
8-Mar-09	13:40:00	65.5	67.6	62.6
8-Mar-09	13:45:00	66.3	67.8	63.2
8-Mar-09	13:50:00	66.2	68.0	63.0
8-Mar-09	13:55:00	66.8	68.6	63.2
8-Mar-09	14:00:00	66.1	67.9	63.7
8-Mar-09	14:05:00	66.6	68.8	63.4
8-Mar-09	14:10:00	65.6	67.7	62.1
8-Mar-09	14:15:00	65.5	67.2	62.7
8-Mar-09	14:20:00	65.4	67.4	62.0
8-Mar-09	14:25:00	65.8	67.9	62.1
8-Mar-09	14:30:00	66.0	68.1	62.3
8-Mar-09	14:35:00	66.3	67.9	63.2
8-Mar-09	14:40:00	66.0	68.2	63.1
8-Mar-09	14:45:00	65.5	67.6	62.7
8-Mar-09	14:50:00	66.0	67.7	63.5
8-Mar-09	14:55:00	66.1	68.4	62.2

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
8-Mar-09	15:00:00	66.1	68.0	63.8
8-Mar-09	15:05:00	67.8	70.5	64.1
8-Mar-09	15:10:00	66.4	68.8	63.0
8-Mar-09	15:15:00	65.6	67.7	62.1
8-Mar-09	15:20:00	66.9	68.9	63.3
8-Mar-09	15:25:00	66.1	68.2	62.6
8-Mar-09	15:30:00	65.6	67.4	62.8
8-Mar-09	15:35:00	66.5	68.5	63.6
8-Mar-09	15:40:00	65.5	67.1	62.8
8-Mar-09	15:45:00	65.6	67.3	63.0
8-Mar-09	15:50:00	65.9	67.8	63.2
8-Mar-09	15:55:00	65.8	67.8	62.9
8-Mar-09	16:00:00	66.3	68.0	63.6
8-Mar-09	16:05:00	66.4	68.2	63.8
8-Mar-09	16:10:00	65.9	67.8	62.7
8-Mar-09	16:15:00	66.2	68.7	62.1
8-Mar-09	16:20:00	65.8	67.7	63.2
8-Mar-09	16:25:00	65.3	67.1	62.6
8-Mar-09	16:30:00	66.4	68.3	63.2
8-Mar-09	16:35:00	66.6	68.7	63.0
8-Mar-09	16:40:00	66.2	68.7	62.4
8-Mar-09	16:45:00	66.1	68.5	62.2
8-Mar-09	16:50:00	65.7	67.6	63.1
8-Mar-09	16:55:00	65.8	68.1	62.0
8-Mar-09	17:00:00	65.4	67.1	62.6
8-Mar-09	17:05:00	65.8	67.7	63.2
8-Mar-09	17:10:00	66.1	67.7	61.8
8-Mar-09	17:15:00	66.1	67.9	62.8
8-Mar-09	17:20:00	65.4	67.7	61.9
8-Mar-09	17:25:00	65.8	67.8	62.4
8-Mar-09	17:30:00	65.7	67.6	63.0
8-Mar-09	17:35:00	66.6	68.6	63.2
8-Mar-09	17:40:00	65.6	67.5	62.2
8-Mar-09	17:45:00	66.3	68.5	63.1
8-Mar-09	17:50:00	65.7	67.6	62.5
8-Mar-09	17:55:00	66.5	68.4	63.5
8-Mar-09	18:00:00	66.4	67.8	63.4
8-Mar-09	18:05:00	65.6	67.4	62.9
8-Mar-09	18:10:00	65.7	67.6	62.7
8-Mar-09	18:15:00	65.3	66.9	62.6
8-Mar-09	18:20:00	66.6	68.5	63.6
8-Mar-09	18:25:00	66.6	68.4	63.4
8-Mar-09	18:30:00	65.9	68.0	63.2
8-Mar-09	18:35:00	66.1	67.8	63.9
8-Mar-09	18:40:00	65.8	67.5	63.5
8-Mar-09	18:45:00	66.4	68.1	63.5
8-Mar-09	18:50:00	65.7	67.4	63.2
8-Mar-09	18:55:00	66.0	67.7	63.6

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
8-Mar-09	19:00:00	67.0	68.5	63.4
8-Mar-09	19:05:00	66.2	67.8	63.5
8-Mar-09	19:10:00	66.0	67.9	63.4
8-Mar-09	19:15:00	66.1	68.0	62.9
8-Mar-09	19:20:00	66.3	68.2	62.7
8-Mar-09	19:25:00	66.7	69.0	63.7
8-Mar-09	19:30:00	66.3	68.0	63.6
8-Mar-09	19:35:00	65.8	67.8	62.7
8-Mar-09	19:40:00	65.9	68.1	62.9
8-Mar-09	19:45:00	65.0	66.6	62.5
8-Mar-09	19:50:00	65.3	67.5	62.0
8-Mar-09	19:55:00	66.4	68.5	62.8
8-Mar-09	20:00:00	66.1	67.9	63.3
8-Mar-09	20:05:00	65.5	67.6	62.0
8-Mar-09	20:10:00	65.3	67.4	62.3
8-Mar-09	20:15:00	66.2	68.5	62.0
8-Mar-09	20:20:00	65.0	66.8	62.2
8-Mar-09	20:25:00	66.4	68.3	62.8
8-Mar-09	20:30:00	65.3	67.0	62.9
8-Mar-09	20:35:00	65.6	67.5	63.1
8-Mar-09	20:40:00	65.4	67.3	62.2
8-Mar-09	20:45:00	65.4	67.7	62.6
8-Mar-09	20:50:00	65.3	67.4	61.8
8-Mar-09	20:55:00	65.5	67.7	62.3
8-Mar-09	21:00:00	65.0	66.6	62.6
8-Mar-09	21:05:00	65.3	67.2	62.5
8-Mar-09	21:10:00	65.6	67.2	62.4
8-Mar-09	21:15:00	65.0	67.2	62.1
8-Mar-09	21:20:00	65.4	67.3	62.8
8-Mar-09	21:25:00	65.6	67.7	61.9
8-Mar-09	21:30:00	65.3	67.3	62.0
8-Mar-09	21:35:00	65.5	67.7	62.4
8-Mar-09	21:40:00	65.1	67.0	62.3
8-Mar-09	21:45:00	64.8	66.5	62.5
8-Mar-09	21:50:00	65.7	67.7	62.2
8-Mar-09	21:55:00	65.3	67.4	62.3
8-Mar-09	22:00:00	65.4	67.4	62.5
8-Mar-09	22:05:00	64.6	66.6	61.6
8-Mar-09	22:10:00	65.4	67.4	61.4
8-Mar-09	22:15:00	64.7	66.7	62.1
8-Mar-09	22:20:00	66.8	68.3	62.5
8-Mar-09	22:25:00	64.8	66.7	62.0
8-Mar-09	22:30:00	65.8	67.7	62.2
8-Mar-09	22:35:00	64.7	67.0	61.0
8-Mar-09	22:40:00	64.1	66.1	60.6
8-Mar-09	22:45:00	64.7	66.6	61.0
8-Mar-09	22:50:00	64.2	65.9	61.4
8-Mar-09	22:55:00	65.7	68.2	61.1

Mean 65.8 67.7 62.6  
Maximum 67.8 70.5 65.1  
Minimum 61.2 63.8 57.3

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Raimondi College (NC16)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
9-Mar-09	19:00:00	65.0	66.6	62.7
9-Mar-09	19:05:00	65.4	67.2	62.4
9-Mar-09	19:10:00	65.0	66.9	62.0
9-Mar-09	19:15:00	65.5	67.0	62.8
9-Mar-09	19:20:00	65.9	67.8	63.3
9-Mar-09	19:25:00	66.1	67.8	63.5
9-Mar-09	19:30:00	66.2	67.9	63.7
9-Mar-09	19:35:00	67.3	69.7	64.1
9-Mar-09	19:40:00	65.9	68.1	63.0
9-Mar-09	19:45:00	66.5	68.4	64.3
9-Mar-09	19:50:00	66.4	67.9	63.0
9-Mar-09	19:55:00	66.5	68.5	63.3
9-Mar-09	20:00:00	65.8	68.1	62.8
9-Mar-09	20:05:00	65.3	67.1	62.5
9-Mar-09	20:10:00	65.7	68.1	61.9
9-Mar-09	20:15:00	65.9	67.8	62.8
9-Mar-09	20:20:00	64.9	67.2	61.3
9-Mar-09	20:25:00	65.3	67.3	61.7
9-Mar-09	20:30:00	66.1	68.2	63.2
9-Mar-09	20:35:00	65.7	67.3	63.6
9-Mar-09	20:40:00	65.6	67.5	63.0
9-Mar-09	20:45:00	65.0	66.8	62.1
9-Mar-09	20:50:00	64.3	65.9	61.8
9-Mar-09	20:55:00	63.8	65.8	60.6
9-Mar-09	21:00:00	66.0	67.6	63.7
9-Mar-09	21:05:00	65.4	67.0	62.8
9-Mar-09	21:10:00	65.7	67.1	62.9
9-Mar-09	21:15:00	66.8	68.6	63.7
9-Mar-09	21:20:00	66.4	68.7	63.1
9-Mar-09	21:25:00	66.3	67.6	63.4
9-Mar-09	21:30:00	66.3	68.3	62.9
9-Mar-09	21:35:00	66.1	68.2	63.4
9-Mar-09	21:40:00	66.0	67.6	62.5
9-Mar-09	21:45:00	64.8	66.8	61.6
9-Mar-09	21:50:00	66.0	68.2	62.5
9-Mar-09	21:55:00	65.8	66.9	62.4
9-Mar-09	22:00:00	65.3	66.9	63.1
9-Mar-09	22:05:00	65.0	66.7	62.6
9-Mar-09	22:10:00	64.9	66.8	62.2
9-Mar-09	22:15:00	65.5	67.6	62.2
9-Mar-09	22:20:00	65.0	66.8	62.2
9-Mar-09	22:25:00	65.2	66.5	61.9
9-Mar-09	22:30:00	64.9	66.9	62.1
9-Mar-09	22:35:00	65.7	67.0	62.3
9-Mar-09	22:40:00	65.4	67.2	62.5
9-Mar-09	22:45:00	64.0	65.7	61.4
9-Mar-09	22:50:00	65.2	67.2	62.0
9-Mar-09	22:55:00	64.5	66.5	61.6

Mean 65.6 67.5 62.7  
 Maximum 67.3 69.7 64.3  
 Minimum 63.8 65.7 60.6

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
10-Mar-09	19:00:00	67.0	68.4	63.6
10-Mar-09	19:05:00	66.0	67.6	63.5
10-Mar-09	19:10:00	66.1	68.0	63.8
10-Mar-09	19:15:00	66.1	68.3	63.5
10-Mar-09	19:20:00	65.7	67.5	63.2
10-Mar-09	19:25:00	66.7	69.1	64.1
10-Mar-09	19:30:00	66.9	68.7	64.0
10-Mar-09	19:35:00	65.3	66.9	61.8
10-Mar-09	19:40:00	64.8	67.2	61.6
10-Mar-09	19:45:00	66.3	67.4	62.0
10-Mar-09	19:50:00	64.4	66.3	61.1
10-Mar-09	19:55:00	64.3	66.7	60.5
10-Mar-09	20:00:00	66.9	70.2	61.7
10-Mar-09	20:05:00	65.1	67.5	60.7
10-Mar-09	20:10:00	63.6	65.3	61.2
10-Mar-09	20:15:00	65.0	67.1	61.7
10-Mar-09	20:20:00	63.7	65.5	61.0
10-Mar-09	20:25:00	66.3	67.6	61.0
10-Mar-09	20:30:00	64.9	66.0	61.5
10-Mar-09	20:35:00	64.3	66.6	60.8
10-Mar-09	20:40:00	64.5	66.2	61.9
10-Mar-09	20:45:00	64.0	66.0	61.1
10-Mar-09	20:50:00	64.8	66.9	60.3
10-Mar-09	20:55:00	65.0	66.6	61.4
10-Mar-09	21:00:00	64.7	66.9	62.0
10-Mar-09	21:05:00	65.6	67.2	63.0
10-Mar-09	21:10:00	66.5	69.1	61.8
10-Mar-09	21:15:00	66.0	67.9	62.5
10-Mar-09	21:20:00	65.4	67.4	62.6
10-Mar-09	21:25:00	65.2	66.8	62.5
10-Mar-09	21:30:00	65.7	67.9	62.4
10-Mar-09	21:35:00	65.8	67.8	63.0
10-Mar-09	21:40:00	65.6	67.2	63.4
10-Mar-09	21:45:00	65.8	67.7	62.8
10-Mar-09	21:50:00	65.8	68.0	62.9
10-Mar-09	21:55:00	65.2	67.1	62.1
10-Mar-09	22:00:00	65.2	66.9	62.7
10-Mar-09	22:05:00	64.8	66.6	62.3
10-Mar-09	22:10:00	65.8	67.8	62.6
10-Mar-09	22:15:00	65.5	67.3	63.1
10-Mar-09	22:20:00	65.5	67.4	62.5
10-Mar-09	22:25:00	65.0	66.7	62.3
10-Mar-09	22:30:00	65.7	68.3	62.3
10-Mar-09	22:35:00	64.8	66.6	61.9
10-Mar-09	22:40:00	65.8	67.6	62.0
10-Mar-09	22:45:00	64.5	66.4	61.3
10-Mar-09	22:50:00	65.1	66.8	62.7
10-Mar-09	22:55:00	65.2	67.3	62.2

Mean 65.4 67.4 62.3  
 Maximum 67.0 70.2 64.1  
 Minimum 63.6 65.3 60.3

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Raimondi College (NC16)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
11-Mar-09	19:00:00	66.5	69.6	63.1
11-Mar-09	19:05:00	65.4	67.2	62.3
11-Mar-09	19:10:00	65.8	67.7	62.5
11-Mar-09	19:15:00	65.9	67.8	63.3
11-Mar-09	19:20:00	65.6	67.4	63.2
11-Mar-09	19:25:00	65.7	67.1	63.2
11-Mar-09	19:30:00	66.2	67.7	63.3
11-Mar-09	19:35:00	66.7	68.4	64.1
11-Mar-09	19:40:00	66.0	67.8	63.1
11-Mar-09	19:45:00	66.7	68.8	64.0
11-Mar-09	19:50:00	66.4	67.9	64.4
11-Mar-09	19:55:00	66.6	67.9	63.4
11-Mar-09	20:00:00	66.3	68.6	63.2
11-Mar-09	20:05:00	67.2	68.4	64.0
11-Mar-09	20:10:00	66.7	68.7	64.0
11-Mar-09	20:15:00	65.9	68.2	62.8
11-Mar-09	20:20:00	65.8	67.7	62.7
11-Mar-09	20:25:00	65.6	67.2	63.4
11-Mar-09	20:30:00	65.7	67.5	63.4
11-Mar-09	20:35:00	66.3	68.1	63.0
11-Mar-09	20:40:00	66.2	67.7	63.5
11-Mar-09	20:45:00	65.1	66.9	62.3
11-Mar-09	20:50:00	65.2	66.8	63.2
11-Mar-09	20:55:00	66.2	68.5	63.2
11-Mar-09	21:00:00	66.6	68.4	63.0
11-Mar-09	21:05:00	65.4	67.3	62.5
11-Mar-09	21:10:00	65.6	67.9	62.6
11-Mar-09	21:15:00	66.4	67.6	63.1
11-Mar-09	21:20:00	65.5	67.3	63.0
11-Mar-09	21:25:00	65.3	66.9	62.6
11-Mar-09	21:30:00	66.2	67.9	63.0
11-Mar-09	21:35:00	65.6	67.1	62.7
11-Mar-09	21:40:00	65.9	67.5	63.1
11-Mar-09	21:45:00	64.7	66.2	62.4
11-Mar-09	21:50:00	65.3	67.0	62.2
11-Mar-09	21:55:00	65.6	67.6	62.4
11-Mar-09	22:00:00	64.7	66.7	60.9
11-Mar-09	22:05:00	65.2	67.3	62.7
11-Mar-09	22:10:00	65.5	66.9	62.4
11-Mar-09	22:15:00	65.4	67.5	62.5
11-Mar-09	22:20:00	65.0	66.3	62.3
11-Mar-09	22:25:00	64.0	65.7	61.3
11-Mar-09	22:30:00	64.7	66.8	61.8
11-Mar-09	22:35:00	66.0	67.7	61.8
11-Mar-09	22:40:00	65.0	67.3	61.8
11-Mar-09	22:45:00	64.9	66.7	62.2
11-Mar-09	22:50:00	64.7	66.7	61.5
11-Mar-09	22:55:00	64.6	66.8	61.1

Mean 65.7 67.6 62.8  
 Maximum 67.2 69.6 64.4  
 Minimum 64.0 65.7 60.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
12-Mar-09	19:00:00	67.0	68.0	65.1
12-Mar-09	19:05:00	68.0	69.8	65.0
12-Mar-09	19:10:00	68.2	70.6	65.1
12-Mar-09	19:15:00	69.1	70.6	65.2
12-Mar-09	19:20:00	66.6	68.7	64.2
12-Mar-09	19:25:00	66.4	68.0	63.7
12-Mar-09	19:30:00	66.2	67.9	63.8
12-Mar-09	19:35:00	65.6	67.5	63.1
12-Mar-09	19:40:00	66.3	68.4	63.4
12-Mar-09	19:45:00	65.4	67.1	63.2
12-Mar-09	19:50:00	65.3	67.0	62.7
12-Mar-09	19:55:00	65.4	66.9	63.5
12-Mar-09	20:00:00	66.0	68.2	63.1
12-Mar-09	20:05:00	65.7	67.3	63.5
12-Mar-09	20:10:00	65.5	67.9	62.4
12-Mar-09	20:15:00	66.2	67.8	63.8
12-Mar-09	20:20:00	65.9	67.5	63.4
12-Mar-09	20:25:00	65.5	67.1	63.5
12-Mar-09	20:30:00	65.2	66.7	62.8
12-Mar-09	20:35:00	65.8	67.5	63.1
12-Mar-09	20:40:00	65.6	67.4	63.5
12-Mar-09	20:45:00	67.2	69.9	63.1
12-Mar-09	20:50:00	65.8	67.3	62.9
12-Mar-09	20:55:00	66.0	68.2	63.0
12-Mar-09	21:00:00	64.9	66.6	62.2
12-Mar-09	21:05:00	65.4	67.2	63.1
12-Mar-09	21:10:00	65.4	67.6	62.1
12-Mar-09	21:15:00	64.6	66.4	62.1
12-Mar-09	21:20:00	65.9	67.7	63.2
12-Mar-09	21:25:00	65.0	66.7	62.4
12-Mar-09	21:30:00	65.2	66.9	63.1
12-Mar-09	21:35:00	65.5	67.7	62.6
12-Mar-09	21:40:00	65.1	66.9	62.2
12-Mar-09	21:45:00	64.8	66.5	62.2
12-Mar-09	21:50:00	65.2	66.8	63.0
12-Mar-09	21:55:00	65.5	67.0	63.1
12-Mar-09	22:00:00	66.2	67.9	63.3
12-Mar-09	22:05:00	65.7	67.5	62.9
12-Mar-09	22:10:00	66.0	68.4	62.4
12-Mar-09	22:15:00	64.9	66.8	62.2
12-Mar-09	22:20:00	64.9	66.7	62.1
12-Mar-09	22:25:00	64.7	66.6	62.2
12-Mar-09	22:30:00	65.7	67.8	62.1
12-Mar-09	22:35:00	65.7	67.7	63.0
12-Mar-09	22:40:00	65.0	67.2	62.1
12-Mar-09	22:45:00	64.4	66.0	61.4
12-Mar-09	22:50:00	64.7	66.6	62.0
12-Mar-09	22:55:00	65.3	66.8	62.0

Mean 65.9 67.7 63.1  
 Maximum 69.1 70.6 65.2  
 Minimum 64.4 66.0 61.4

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
13-Mar-09	19:00:00	66.5	67.8	64.5
13-Mar-09	19:05:00	66.9	68.8	64.4
13-Mar-09	19:10:00	65.9	66.9	64.2
13-Mar-09	19:15:00	67.5	69.1	64.7
13-Mar-09	19:20:00	66.8	68.3	64.9
13-Mar-09	19:25:00	66.9	68.1	65.0
13-Mar-09	19:30:00	66.6	68.4	63.9
13-Mar-09	19:35:00	66.4	67.8	64.2
13-Mar-09	19:40:00	66.2	67.8	64.3
13-Mar-09	19:45:00	66.3	67.8	64.3
13-Mar-09	19:50:00	66.9	68.6	64.7
13-Mar-09	19:55:00	67.2	69.2	64.5
13-Mar-09	20:00:00	67.3	69.0	64.3
13-Mar-09	20:05:00	66.5	67.8	64.5
13-Mar-09	20:10:00	66.3	67.8	64.2
13-Mar-09	20:15:00	66.7	68.3	64.1
13-Mar-09	20:20:00	65.7	67.3	63.6
13-Mar-09	20:25:00	66.5	68.4	63.9
13-Mar-09	20:30:00	66.0	67.7	64.1
13-Mar-09	20:35:00	66.8	68.8	64.2
13-Mar-09	20:40:00	66.7	68.1	64.5
13-Mar-09	20:45:00	66.6	68.1	64.5
13-Mar-09	20:50:00	66.2	67.8	64.1
13-Mar-09	20:55:00	67.2	68.6	65.0
13-Mar-09	21:00:00	66.6	67.9	64.9
13-Mar-09	21:05:00	66.5	68.3	63.7
13-Mar-09	21:10:00	66.3	67.9	63.8
13-Mar-09	21:15:00	66.7	68.7	64.1
13-Mar-09	21:20:00	65.8	67.4	63.7
13-Mar-09	21:25:00	65.8	67.7	62.9
13-Mar-09	21:30:00	66.4	68.1	64.0
13-Mar-09	21:35:00	66.0	67.7	63.7
13-Mar-09	21:40:00	65.9	67.6	63.5
13-Mar-09	21:45:00	66.3	68.1	64.0
13-Mar-09	21:50:00	66.3	68.6	63.4
13-Mar-09	21:55:00	65.9	67.7	63.4
13-Mar-09	22:00:00	66.1	67.7	63.2
13-Mar-09	22:05:00	67.2	68.2	63.5
13-Mar-09	22:10:00	65.6	67.2	63.2
13-Mar-09	22:15:00	65.6	67.8	62.8
13-Mar-09	22:20:00	64.9	66.6	61.6
13-Mar-09	22:25:00	64.3	65.9	61.2
13-Mar-09	22:30:00	66.3	67.9	62.4
13-Mar-09	22:35:00	64.9	66.8	61.7
13-Mar-09	22:40:00	65.1	66.8	61.6
13-Mar-09	22:45:00	65.1	67.2	61.3
13-Mar-09	22:50:00	64.3	65.9	60.6
13-Mar-09	22:55:00	64.7	66.6	60.5

Mean 66.3 67.9 63.7  
Maximum 67.5 69.2 65.0  
Minimum 64.3 65.9 60.5

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
14-Mar-09	19:00:00	64.9	66.9	61.9
14-Mar-09	19:05:00	65.9	67.6	63.6
14-Mar-09	19:10:00	65.8	67.5	63.3
14-Mar-09	19:15:00	65.7	67.6	63.7
14-Mar-09	19:20:00	66.5	68.3	63.1
14-Mar-09	19:25:00	65.8	67.4	63.6
14-Mar-09	19:30:00	66.9	68.4	63.8
14-Mar-09	19:35:00	65.5	67.6	62.6
14-Mar-09	19:40:00	66.3	67.9	63.2
14-Mar-09	19:45:00	66.0	67.7	63.4
14-Mar-09	19:50:00	65.5	67.2	62.3
14-Mar-09	19:55:00	65.2	67.1	61.9
14-Mar-09	20:00:00	66.1	68.4	62.9
14-Mar-09	20:05:00	65.7	67.5	62.7
14-Mar-09	20:10:00	64.5	66.4	61.9
14-Mar-09	20:15:00	65.8	67.8	62.3
14-Mar-09	20:20:00	65.4	67.4	62.8
14-Mar-09	20:25:00	65.3	67.1	62.5
14-Mar-09	20:30:00	65.3	67.4	62.2
14-Mar-09	20:35:00	64.4	66.5	60.9
14-Mar-09	20:40:00	65.0	67.1	62.2
14-Mar-09	20:45:00	65.4	67.5	62.3
14-Mar-09	20:50:00	64.2	66.1	61.2
14-Mar-09	20:55:00	63.8	65.6	60.4
14-Mar-09	21:00:00	65.3	68.0	61.0
14-Mar-09	21:05:00	64.8	66.6	62.0
14-Mar-09	21:10:00	64.6	66.2	61.4
14-Mar-09	21:15:00	65.3	67.2	62.3
14-Mar-09	21:20:00	66.1	67.9	61.9
14-Mar-09	21:25:00	65.8	68.0	61.7
14-Mar-09	21:30:00	65.4	67.2	62.4
14-Mar-09	21:35:00	66.5	68.2	63.0
14-Mar-09	21:40:00	65.2	67.1	62.1
14-Mar-09	21:45:00	65.7	67.5	62.5
14-Mar-09	21:50:00	65.0	66.8	62.2
14-Mar-09	21:55:00	64.8	66.8	61.7
14-Mar-09	22:00:00	65.4	67.8	62.0
14-Mar-09	22:05:00	65.8	67.9	62.1
14-Mar-09	22:10:00	65.3	67.2	62.2
14-Mar-09	22:15:00	65.0	66.9	62.4
14-Mar-09	22:20:00	65.9	68.1	62.6
14-Mar-09	22:25:00	65.9	68.6	62.5
14-Mar-09	22:30:00	65.0	66.8	62.7
14-Mar-09	22:35:00	66.0	67.7	62.8
14-Mar-09	22:40:00	65.2	67.0	62.5
14-Mar-09	22:45:00	65.8	68.1	61.9
14-Mar-09	22:50:00	65.5	67.2	62.9
14-Mar-09	22:55:00	65.0	66.8	61.7

Mean 65.5 67.4 62.4  
Maximum 66.9 68.6 63.8  
Minimum 63.8 65.6 60.4

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Mar-09	07:00:00	61.2	63.7	57.2
15-Mar-09	07:05:00	61.2	63.4	57.6
15-Mar-09	07:10:00	62.4	64.9	58.4
15-Mar-09	07:15:00	61.5	64.1	57.6
15-Mar-09	07:20:00	61.5	64.4	57.7
15-Mar-09	07:25:00	62.4	64.8	58.4
15-Mar-09	07:30:00	63.2	66.0	58.9
15-Mar-09	07:35:00	62.7	65.8	57.9
15-Mar-09	07:40:00	62.7	65.3	58.5
15-Mar-09	07:45:00	62.9	65.9	58.7
15-Mar-09	07:50:00	63.0	65.7	58.9
15-Mar-09	07:55:00	63.9	66.7	59.7
15-Mar-09	08:00:00	63.2	66.3	59.3
15-Mar-09	08:05:00	64.1	66.8	59.4
15-Mar-09	08:10:00	64.8	66.2	60.7
15-Mar-09	08:15:00	64.3	66.5	60.1
15-Mar-09	08:20:00	64.9	67.6	60.3
15-Mar-09	08:25:00	64.0	66.6	59.9
15-Mar-09	08:30:00	63.6	65.8	60.1
15-Mar-09	08:35:00	63.4	65.8	59.7
15-Mar-09	08:40:00	65.5	67.7	60.5
15-Mar-09	08:45:00	65.3	68.1	61.3
15-Mar-09	08:50:00	63.4	65.6	59.9
15-Mar-09	08:55:00	65.1	67.2	60.8
15-Mar-09	09:00:00	64.5	66.8	61.5
15-Mar-09	09:05:00	64.9	67.2	61.5
15-Mar-09	09:10:00	65.7	68.0	62.4
15-Mar-09	09:15:00	64.7	66.7	61.2
15-Mar-09	09:20:00	66.3	68.1	62.5
15-Mar-09	09:25:00	66.0	67.9	63.0
15-Mar-09	09:30:00	66.0	68.0	62.4
15-Mar-09	09:35:00	66.5	68.1	63.1
15-Mar-09	09:40:00	64.8	66.9	62.3
15-Mar-09	09:45:00	66.2	68.1	63.1
15-Mar-09	09:50:00	65.5	67.1	63.0
15-Mar-09	09:55:00	66.0	67.8	62.5
15-Mar-09	10:00:00	66.1	68.3	63.0
15-Mar-09	10:05:00	65.7	67.5	63.1
15-Mar-09	10:10:00	66.4	68.3	63.3
15-Mar-09	10:15:00	64.8	66.6	62.0
15-Mar-09	10:20:00	67.0	69.0	63.9
15-Mar-09	10:25:00	65.6	67.6	63.1
15-Mar-09	10:30:00	66.1	68.3	62.9
15-Mar-09	10:35:00	66.4	68.6	63.2
15-Mar-09	10:40:00	65.1	66.7	62.4
15-Mar-09	10:45:00	65.5	67.5	62.8
15-Mar-09	10:50:00	66.8	68.4	62.9
15-Mar-09	10:55:00	66.4	68.7	62.8

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Mar-09	11:00:00	65.6	67.4	62.9
15-Mar-09	11:05:00	66.1	68.0	63.3
15-Mar-09	11:10:00	66.9	68.5	64.9
15-Mar-09	11:15:00	67.2	69.0	64.2
15-Mar-09	11:20:00	67.0	69.1	64.0
15-Mar-09	11:25:00	66.9	69.1	63.9
15-Mar-09	11:30:00	65.9	67.7	63.0
15-Mar-09	11:35:00	66.3	68.6	63.2
15-Mar-09	11:40:00	66.3	67.8	63.7
15-Mar-09	11:45:00	66.5	68.7	63.2
15-Mar-09	11:50:00	67.0	68.6	64.1
15-Mar-09	11:55:00	67.0	68.3	64.2
15-Mar-09	12:00:00	66.2	68.3	63.0
15-Mar-09	12:05:00	65.9	67.6	62.7
15-Mar-09	12:10:00	65.9	67.7	62.6
15-Mar-09	12:15:00	66.2	67.9	63.0
15-Mar-09	12:20:00	66.1	68.1	63.2
15-Mar-09	12:25:00	66.5	68.7	63.2
15-Mar-09	12:30:00	67.1	69.4	64.0
15-Mar-09	12:35:00	65.8	67.7	63.0
15-Mar-09	12:40:00	65.7	67.6	62.6
15-Mar-09	12:45:00	65.8	67.8	63.1
15-Mar-09	12:50:00	66.1	68.1	63.3
15-Mar-09	12:55:00	66.2	67.7	63.2
15-Mar-09	13:00:00	65.9	67.6	63.4
15-Mar-09	13:05:00	66.2	68.3	61.9
15-Mar-09	13:10:00	66.8	68.5	63.9
15-Mar-09	13:15:00	66.7	68.5	64.1
15-Mar-09	13:20:00	65.9	67.7	63.5
15-Mar-09	13:25:00	66.2	68.1	63.3
15-Mar-09	13:30:00	66.4	68.6	63.3
15-Mar-09	13:35:00	65.9	67.6	63.4
15-Mar-09	13:40:00	67.1	69.2	63.7
15-Mar-09	13:45:00	65.8	67.6	63.1
15-Mar-09	13:50:00	65.3	67.4	62.4
15-Mar-09	13:55:00	66.1	67.6	63.0
15-Mar-09	14:00:00	66.0	67.8	62.8
15-Mar-09	14:05:00	66.6	68.4	63.0
15-Mar-09	14:10:00	65.9	67.7	63.5
15-Mar-09	14:15:00	66.4	68.6	63.2
15-Mar-09	14:20:00	65.4	67.5	61.9
15-Mar-09	14:25:00	65.3	67.0	62.5
15-Mar-09	14:30:00	65.2	67.2	61.8
15-Mar-09	14:35:00	65.6	67.7	61.9
15-Mar-09	14:40:00	66.3	68.4	62.6
15-Mar-09	14:45:00	66.6	68.2	63.5
15-Mar-09	14:50:00	66.3	68.5	63.4
15-Mar-09	14:55:00	65.8	67.9	63.0

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Raimondi College (NC16)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Mar-09	15:00:00	66.3	68.0	63.8
15-Mar-09	15:05:00	66.4	68.7	62.5
15-Mar-09	15:10:00	66.4	68.3	64.1
15-Mar-09	15:15:00	68.1	70.8	64.4
15-Mar-09	15:20:00	66.7	69.1	63.3
15-Mar-09	15:25:00	65.9	68.0	62.4
15-Mar-09	15:30:00	67.2	69.2	63.6
15-Mar-09	15:35:00	66.4	68.5	62.9
15-Mar-09	15:40:00	65.9	67.7	63.1
15-Mar-09	15:45:00	66.8	68.8	63.9
15-Mar-09	15:50:00	65.8	67.4	63.1
15-Mar-09	15:55:00	65.9	67.6	63.3
15-Mar-09	16:00:00	66.2	68.1	63.5
15-Mar-09	16:05:00	66.1	68.1	63.2
15-Mar-09	16:10:00	66.6	68.3	63.9
15-Mar-09	16:15:00	66.7	68.5	64.1
15-Mar-09	16:20:00	66.2	68.1	63.0
15-Mar-09	16:25:00	66.5	69.0	62.4
15-Mar-09	16:30:00	66.1	68.0	63.5
15-Mar-09	16:35:00	65.6	67.4	62.9
15-Mar-09	16:40:00	66.7	68.6	63.5
15-Mar-09	16:45:00	66.9	69.0	63.3
15-Mar-09	16:50:00	66.5	69.0	62.7
15-Mar-09	16:55:00	66.4	68.8	62.5
15-Mar-09	17:00:00	66.0	67.9	63.4
15-Mar-09	17:05:00	66.1	68.4	62.3
15-Mar-09	17:10:00	65.7	67.4	62.9
15-Mar-09	17:15:00	66.1	68.0	63.5
15-Mar-09	17:20:00	66.4	68.0	62.1
15-Mar-09	17:25:00	66.4	68.2	63.1
15-Mar-09	17:30:00	65.7	68.0	62.2
15-Mar-09	17:35:00	66.1	68.1	62.7
15-Mar-09	17:40:00	66.0	67.9	63.3
15-Mar-09	17:45:00	66.9	68.9	63.5
15-Mar-09	17:50:00	65.9	67.8	62.5
15-Mar-09	17:55:00	66.6	68.8	63.4
15-Mar-09	18:00:00	66.0	67.9	62.8
15-Mar-09	18:05:00	66.8	68.7	63.8
15-Mar-09	18:10:00	66.7	68.1	63.7
15-Mar-09	18:15:00	65.9	67.7	63.2
15-Mar-09	18:20:00	66.0	67.9	63.0
15-Mar-09	18:25:00	65.6	67.2	62.9
15-Mar-09	18:30:00	66.9	68.8	63.9
15-Mar-09	18:35:00	66.9	68.7	63.7
15-Mar-09	18:40:00	66.2	68.3	63.5
15-Mar-09	18:45:00	66.4	68.1	64.2
15-Mar-09	18:50:00	66.1	67.8	63.8
15-Mar-09	18:55:00	66.7	68.4	63.8

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Mar-09	19:00:00	66.0	67.7	63.5
15-Mar-09	19:05:00	66.3	68.0	63.9
15-Mar-09	19:10:00	67.3	68.8	63.7
15-Mar-09	19:15:00	66.5	68.1	63.8
15-Mar-09	19:20:00	66.3	68.2	63.7
15-Mar-09	19:25:00	66.4	68.3	63.2
15-Mar-09	19:30:00	66.6	68.5	63.0
15-Mar-09	19:35:00	67.0	69.3	64.0
15-Mar-09	19:40:00	66.6	68.3	63.9
15-Mar-09	19:45:00	66.1	68.1	63.0
15-Mar-09	19:50:00	66.2	68.4	63.2
15-Mar-09	19:55:00	65.3	66.9	62.8
15-Mar-09	20:00:00	65.6	67.8	62.3
15-Mar-09	20:05:00	66.7	68.8	63.1
15-Mar-09	20:10:00	66.4	68.2	63.6
15-Mar-09	20:15:00	65.8	67.9	62.3
15-Mar-09	20:20:00	65.6	67.7	62.6
15-Mar-09	20:25:00	66.5	68.8	62.3
15-Mar-09	20:30:00	65.3	67.1	62.5
15-Mar-09	20:35:00	66.7	68.6	63.1
15-Mar-09	20:40:00	65.6	67.3	63.2
15-Mar-09	20:45:00	65.9	67.8	63.4
15-Mar-09	20:50:00	65.7	67.6	62.5
15-Mar-09	20:55:00	65.7	68.0	62.9
15-Mar-09	21:00:00	65.6	67.7	62.1
15-Mar-09	21:05:00	65.8	68.0	62.6
15-Mar-09	21:10:00	65.3	66.9	62.9
15-Mar-09	21:15:00	65.6	67.5	62.8
15-Mar-09	21:20:00	65.9	67.5	62.7
15-Mar-09	21:25:00	65.3	67.5	62.4
15-Mar-09	21:30:00	65.7	67.6	63.1
15-Mar-09	21:35:00	65.9	68.0	62.2
15-Mar-09	21:40:00	65.6	67.6	62.3
15-Mar-09	21:45:00	65.8	68.0	62.7
15-Mar-09	21:50:00	65.4	67.3	62.6
15-Mar-09	21:55:00	65.1	66.8	62.8
15-Mar-09	22:00:00	66.0	68.0	62.5
15-Mar-09	22:05:00	65.6	67.7	62.6
15-Mar-09	22:10:00	65.7	67.7	62.8
15-Mar-09	22:15:00	64.9	66.9	61.9
15-Mar-09	22:20:00	65.7	67.7	61.7
15-Mar-09	22:25:00	65.0	67.0	62.4
15-Mar-09	22:30:00	67.1	68.6	62.8
15-Mar-09	22:35:00	65.1	67.0	62.3
15-Mar-09	22:40:00	66.1	68.0	62.5
15-Mar-09	22:45:00	65.0	67.3	61.3
15-Mar-09	22:50:00	64.4	66.4	60.9
15-Mar-09	22:55:00	65.0	66.9	61.3

Mean 65.9 67.9 62.7  
Maximum 68.1 70.8 64.9  
Minimum 61.2 63.4 57.2



**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Raimondi College (NC16)**

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
16-Mar-09	19:00:00	66.1	67.8	63.2
16-Mar-09	19:05:00	65.4	67.1	62.9
16-Mar-09	19:10:00	65.7	67.4	63.3
16-Mar-09	19:15:00	67.3	68.8	63.7
16-Mar-09	19:20:00	66.5	68.1	63.8
16-Mar-09	19:25:00	66.3	68.2	63.7
16-Mar-09	19:30:00	66.4	68.3	63.2
16-Mar-09	19:35:00	66.6	68.5	63.0
16-Mar-09	19:40:00	67.0	69.3	64.0
16-Mar-09	19:45:00	66.6	68.3	63.9
16-Mar-09	19:50:00	66.1	68.1	63.0
16-Mar-09	19:55:00	66.2	68.4	63.2
16-Mar-09	20:00:00	65.3	66.9	62.8
16-Mar-09	20:05:00	65.6	67.8	62.3
16-Mar-09	20:10:00	66.7	68.8	63.1
16-Mar-09	20:15:00	66.4	68.2	63.6
16-Mar-09	20:20:00	65.8	67.9	62.3
16-Mar-09	20:25:00	65.6	67.7	62.6
16-Mar-09	20:30:00	66.5	68.8	62.3
16-Mar-09	20:35:00	65.3	67.1	62.5
16-Mar-09	20:40:00	66.7	68.6	63.1
16-Mar-09	20:45:00	65.6	67.3	63.2
16-Mar-09	20:50:00	65.9	67.8	63.4
16-Mar-09	20:55:00	65.7	67.6	62.5
16-Mar-09	21:00:00	65.7	68.0	62.9
16-Mar-09	21:05:00	65.6	67.7	62.1
16-Mar-09	21:10:00	65.8	68.0	62.6
16-Mar-09	21:15:00	65.3	66.9	62.9
16-Mar-09	21:20:00	65.6	67.5	62.8
16-Mar-09	21:25:00	65.9	67.5	62.7
16-Mar-09	21:30:00	65.3	67.5	62.4
16-Mar-09	21:35:00	65.7	67.6	63.1
16-Mar-09	21:40:00	65.9	68.0	62.2
16-Mar-09	21:45:00	65.6	67.6	62.3
16-Mar-09	21:50:00	65.8	68.0	62.7
16-Mar-09	21:55:00	65.4	67.3	62.6
16-Mar-09	22:00:00	65.1	66.8	62.8
16-Mar-09	22:05:00	66.0	68.0	62.5
16-Mar-09	22:10:00	65.6	67.7	62.6
16-Mar-09	22:15:00	65.7	67.7	62.8
16-Mar-09	22:20:00	64.9	66.9	61.9
16-Mar-09	22:25:00	65.7	67.7	61.7
16-Mar-09	22:30:00	65.0	67.0	62.4
16-Mar-09	22:35:00	67.1	68.6	62.8
16-Mar-09	22:40:00	64.5	66.4	61.7
16-Mar-09	22:45:00	65.5	67.4	61.9
16-Mar-09	22:50:00	64.4	66.7	60.7
16-Mar-09	22:55:00	63.8	65.8	60.3
Mean		65.8	67.8	62.8
Maximum		67.3	69.3	64.0
Minimum		63.8	65.8	60.3

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
17-Mar-09	19:00:00	67.8	70.2	64.7
17-Mar-09	19:05:00	66.2	68.1	63.7
17-Mar-09	19:10:00	66.7	68.7	63.4
17-Mar-09	19:15:00	65.3	66.9	63.0
17-Mar-09	19:20:00	65.7	67.5	62.7
17-Mar-09	19:25:00	65.3	67.2	62.3
17-Mar-09	19:30:00	65.8	67.3	63.1
17-Mar-09	19:35:00	66.2	68.1	63.6
17-Mar-09	19:40:00	66.4	68.1	63.8
17-Mar-09	19:45:00	66.5	68.2	64.0
17-Mar-09	19:50:00	67.6	70.0	64.4
17-Mar-09	19:55:00	66.2	68.4	63.3
17-Mar-09	20:00:00	66.8	68.7	64.6
17-Mar-09	20:05:00	66.7	68.2	63.3
17-Mar-09	20:10:00	66.8	68.8	63.6
17-Mar-09	20:15:00	66.1	68.4	63.1
17-Mar-09	20:20:00	65.6	67.4	62.8
17-Mar-09	20:25:00	66.0	68.4	62.2
17-Mar-09	20:30:00	66.2	68.1	63.1
17-Mar-09	20:35:00	65.2	67.5	61.6
17-Mar-09	20:40:00	65.6	67.6	62.0
17-Mar-09	20:45:00	66.4	68.5	63.5
17-Mar-09	20:50:00	66.0	67.6	63.9
17-Mar-09	20:55:00	65.9	67.8	63.3
17-Mar-09	21:00:00	65.3	67.1	62.4
17-Mar-09	21:05:00	64.6	66.2	62.1
17-Mar-09	21:10:00	64.1	66.1	60.9
17-Mar-09	21:15:00	66.3	67.9	64.0
17-Mar-09	21:20:00	65.7	67.3	63.1
17-Mar-09	21:25:00	66.0	67.4	63.2
17-Mar-09	21:30:00	67.1	68.9	64.0
17-Mar-09	21:35:00	66.7	69.0	63.4
17-Mar-09	21:40:00	66.6	67.9	63.7
17-Mar-09	21:45:00	66.6	68.6	63.2
17-Mar-09	21:50:00	66.4	68.5	63.7
17-Mar-09	21:55:00	66.3	67.9	62.8
17-Mar-09	22:00:00	65.1	67.1	61.9
17-Mar-09	22:05:00	66.3	68.5	62.8
17-Mar-09	22:10:00	66.1	67.2	62.7
17-Mar-09	22:15:00	65.6	67.2	63.4
17-Mar-09	22:20:00	65.3	67.0	62.9
17-Mar-09	22:25:00	65.2	67.1	62.5
17-Mar-09	22:30:00	65.8	67.9	62.5
17-Mar-09	22:35:00	65.3	67.1	62.5
17-Mar-09	22:40:00	65.5	66.8	62.2
17-Mar-09	22:45:00	65.2	67.2	62.4
17-Mar-09	22:50:00	66.0	67.3	62.6
17-Mar-09	22:55:00	65.7	67.5	62.8
Mean		66.1	67.9	63.1
Maximum		67.8	70.2	64.7
Minimum		64.1	66.1	60.9

Evening Time and Holiday Noise Level at Raimondi College (NC16)			
	Leq	L10	L90
Mean	66.0	67.8	63.1
Max	72.4	73.5	71.2
Min	61.2	63.4	57.2

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
11-Feb-09	19:01:00	64.6	67.2	61.3
11-Feb-09	19:06:00	62.8	65.5	59.4
11-Feb-09	19:11:00	63.1	65.8	58.8
11-Feb-09	19:16:00	63.6	66.6	59.4
11-Feb-09	19:21:00	63.9	65.9	59.8
11-Feb-09	19:26:00	65.0	67.9	60.3
11-Feb-09	19:31:00	64.4	67.2	60.3
11-Feb-09	19:36:00	63.8	66.7	59.4
11-Feb-09	19:41:00	63.8	66.9	58.7
11-Feb-09	19:46:00	64.5	67.0	59.4
11-Feb-09	19:51:00	63.8	66.6	59.8
11-Feb-09	19:56:00	65.8	69.2	60.1
11-Feb-09	20:01:00	66.1	68.3	61.3
11-Feb-09	20:06:00	64.1	66.3	60.1
11-Feb-09	20:11:00	67.1	69.2	59.9
11-Feb-09	20:16:00	63.6	66.6	59.7
11-Feb-09	20:21:00	63.5	65.8	59.5
11-Feb-09	20:26:00	64.8	67.1	59.5
11-Feb-09	20:31:00	63.8	66.7	58.4
11-Feb-09	20:36:00	63.6	66.1	60.0
11-Feb-09	20:41:00	61.9	64.6	58.5
11-Feb-09	20:46:00	63.4	65.8	59.0
11-Feb-09	20:51:00	63.3	66.7	58.8
11-Feb-09	20:56:00	65.7	67.4	58.6
11-Feb-09	21:01:00	64.2	67.2	58.7
11-Feb-09	21:06:00	64.6	66.9	58.7
11-Feb-09	21:11:00	61.9	65.0	58.3
11-Feb-09	21:16:00	63.4	66.6	58.9
11-Feb-09	21:21:00	64.1	67.5	58.7
11-Feb-09	21:26:00	63.4	65.9	58.6
11-Feb-09	21:31:00	63.7	67.2	58.7
11-Feb-09	21:36:00	64.9	67.5	60.7
11-Feb-09	21:41:00	62.7	66.1	57.6
11-Feb-09	21:46:00	63.1	66.1	57.9
11-Feb-09	21:51:00	63.4	66.6	59.0
11-Feb-09	21:56:00	62.5	65.2	58.5
11-Feb-09	22:01:00	64.5	67.8	59.4
11-Feb-09	22:06:00	63.1	65.7	56.9
11-Feb-09	22:11:00	62.5	65.7	56.7
11-Feb-09	22:16:00	65.5	67.3	57.2
11-Feb-09	22:21:00	62.8	65.6	57.6
11-Feb-09	22:26:00	63.7	66.5	57.5
11-Feb-09	22:31:00	62.9	66.3	56.7
11-Feb-09	22:36:00	63.6	67.1	57.5
11-Feb-09	22:41:00	62.0	64.2	57.7
11-Feb-09	22:46:00	63.3	66.3	56.2
11-Feb-09	22:51:00	64.2	67.6	58.2
11-Feb-09	22:56:00	60.8	63.9	55.9

Mean 63.9 66.7 59.0  
Maximum 67.1 69.2 61.3  
Minimum 60.8 63.9 55.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
12-Feb-09	19:01:00	65.9	68.1	60.2
12-Feb-09	19:06:00	66.1	67.9	62.6
12-Feb-09	19:11:00	68.5	67.7	60.1
12-Feb-09	19:16:00	64.8	67.1	60.9
12-Feb-09	19:21:00	64.8	67.9	60.7
12-Feb-09	19:26:00	63.7	66.4	59.7
12-Feb-09	19:31:00	64.1	67.1	59.6
12-Feb-09	19:36:00	70.6	74.6	60.9
12-Feb-09	19:41:00	65.7	68.5	60.6
12-Feb-09	19:46:00	63.4	66.7	59.5
12-Feb-09	19:51:00	65.1	68.2	60.1
12-Feb-09	19:56:00	63.4	64.8	59.9
12-Feb-09	20:01:00	66.0	68.7	59.7
12-Feb-09	20:06:00	63.3	65.6	58.7
12-Feb-09	20:11:00	63.8	66.9	58.7
12-Feb-09	20:16:00	63.0	65.5	58.6
12-Feb-09	20:21:00	63.0	65.5	59.7
12-Feb-09	20:26:00	63.4	66.0	59.7
12-Feb-09	20:31:00	62.4	65.0	58.3
12-Feb-09	20:36:00	64.3	67.9	59.5
12-Feb-09	20:41:00	62.5	65.2	58.5
12-Feb-09	20:46:00	64.8	67.7	58.5
12-Feb-09	20:51:00	63.9	65.8	58.6
12-Feb-09	20:56:00	64.2	66.8	58.5
12-Feb-09	21:01:00	62.4	65.0	58.6
12-Feb-09	21:06:00	64.4	67.6	59.0
12-Feb-09	21:11:00	63.5	66.0	58.5
12-Feb-09	21:16:00	63.0	65.7	58.8
12-Feb-09	21:21:00	62.7	64.9	58.3
12-Feb-09	21:26:00	73.4	70.0	60.4
12-Feb-09	21:31:00	65.2	66.4	61.5
12-Feb-09	21:36:00	67.7	68.5	62.1
12-Feb-09	21:41:00	62.8	64.0	61.3
12-Feb-09	21:46:00	63.0	64.2	59.9
12-Feb-09	21:51:00	64.4	67.5	59.9
12-Feb-09	21:56:00	64.3	67.6	58.9
12-Feb-09	22:01:00	64.5	67.9	59.9
12-Feb-09	22:06:00	62.9	65.1	59.1
12-Feb-09	22:11:00	62.5	65.3	57.4
12-Feb-09	22:16:00	63.3	65.7	57.5
12-Feb-09	22:21:00	62.7	66.2	57.8
12-Feb-09	22:26:00	62.8	65.9	57.5
12-Feb-09	22:31:00	63.6	67.5	58.1
12-Feb-09	22:36:00	62.7	66.0	57.6
12-Feb-09	22:41:00	62.2	64.7	57.5
12-Feb-09	22:46:00	62.0	64.3	57.5
12-Feb-09	22:51:00	64.0	67.2	58.7
12-Feb-09	22:56:00	61.5	63.9	56.7

Mean 65.0 67.1 59.5  
Maximum 73.4 74.6 62.6  
Minimum 61.5 63.9 56.7

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
13-Feb-09	19:01:00	64.1	66.4	60.3
13-Feb-09	19:06:00	64.1	67.4	60.0
13-Feb-09	19:11:00	63.5	66.3	59.7
13-Feb-09	19:16:00	64.1	66.5	59.8
13-Feb-09	19:21:00	64.1	65.6	59.7
13-Feb-09	19:26:00	64.2	67.4	59.2
13-Feb-09	19:31:00	64.7	68.5	59.8
13-Feb-09	19:36:00	63.3	66.0	59.6
13-Feb-09	19:41:00	62.6	65.0	59.0
13-Feb-09	19:46:00	64.6	67.6	60.3
13-Feb-09	19:51:00	64.3	67.3	60.6
13-Feb-09	19:56:00	63.1	65.6	58.3
13-Feb-09	20:01:00	64.0	67.2	59.3
13-Feb-09	20:06:00	65.1	68.2	60.3
13-Feb-09	20:11:00	63.3	65.1	59.3
13-Feb-09	20:16:00	63.2	65.4	59.1
13-Feb-09	20:21:00	64.1	66.3	58.3
13-Feb-09	20:26:00	63.4	65.5	58.6
13-Feb-09	20:31:00	64.2	66.9	59.9
13-Feb-09	20:36:00	64.4	67.2	59.3
13-Feb-09	20:41:00	64.0	66.2	59.0
13-Feb-09	20:46:00	65.2	68.4	59.7
13-Feb-09	20:51:00	63.7	66.1	58.9
13-Feb-09	20:56:00	63.4	66.1	58.8
13-Feb-09	21:01:00	63.3	66.2	57.6
13-Feb-09	21:06:00	66.1	68.6	58.8
13-Feb-09	21:11:00	63.1	65.5	59.3
13-Feb-09	21:16:00	63.3	66.0	58.9
13-Feb-09	21:21:00	63.7	66.7	59.4
13-Feb-09	21:26:00	61.1	63.8	57.7
13-Feb-09	21:31:00	63.9	67.1	59.5
13-Feb-09	21:36:00	63.3	65.8	58.6
13-Feb-09	21:41:00	66.1	68.1	58.9
13-Feb-09	21:46:00	63.7	66.1	58.7
13-Feb-09	21:51:00	63.7	66.1	57.3
13-Feb-09	21:56:00	62.4	65.6	57.6
13-Feb-09	22:01:00	62.2	64.7	57.1
13-Feb-09	22:06:00	64.1	67.8	58.3
13-Feb-09	22:11:00	63.4	65.5	57.1
13-Feb-09	22:16:00	64.0	66.9	59.1
13-Feb-09	22:21:00	62.2	64.0	57.6
13-Feb-09	22:26:00	62.2	64.8	57.3
13-Feb-09	22:31:00	62.8	65.1	57.5
13-Feb-09	22:36:00	64.2	67.4	58.4
13-Feb-09	22:41:00	62.6	64.9	57.3
13-Feb-09	22:46:00	64.4	68.0	58.1
13-Feb-09	22:51:00	62.3	65.3	57.4
13-Feb-09	22:56:00	62.1	64.8	57.3

Mean 63.8 66.5 58.9  
Maximum 66.1 68.6 60.6  
Minimum 61.1 63.8 57.1

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
14-Feb-09	19:01:00	63.8	66.5	59.3
14-Feb-09	19:06:00	62.7	64.4	59.8
14-Feb-09	19:11:00	64.5	67.7	59.3
14-Feb-09	19:16:00	64.3	66.4	58.9
14-Feb-09	19:21:00	62.7	65.4	58.1
14-Feb-09	19:26:00	65.0	68.6	58.8
14-Feb-09	19:31:00	63.5	66.8	58.8
14-Feb-09	19:36:00	62.3	64.7	58.7
14-Feb-09	19:41:00	63.2	65.1	58.4
14-Feb-09	19:46:00	64.4	67.3	59.0
14-Feb-09	19:51:00	64.2	67.8	58.8
14-Feb-09	19:56:00	63.4	66.3	58.8
14-Feb-09	20:01:00	63.3	66.1	59.0
14-Feb-09	20:06:00	63.4	67.0	58.5
14-Feb-09	20:11:00	63.2	66.0	58.1
14-Feb-09	20:16:00	63.2	65.9	57.5
14-Feb-09	20:21:00	63.3	66.3	58.4
14-Feb-09	20:26:00	62.8	65.9	58.1
14-Feb-09	20:31:00	63.5	66.0	58.7
14-Feb-09	20:36:00	63.0	65.6	58.7
14-Feb-09	20:41:00	63.5	66.5	58.1
14-Feb-09	20:46:00	63.6	67.0	58.1
14-Feb-09	20:51:00	62.4	65.5	57.9
14-Feb-09	20:56:00	62.9	66.2	57.7
14-Feb-09	21:01:00	62.9	66.9	57.6
14-Feb-09	21:06:00	62.6	65.7	57.5
14-Feb-09	21:11:00	61.8	64.1	57.4
14-Feb-09	21:16:00	62.8	63.9	57.0
14-Feb-09	21:21:00	63.2	66.6	58.1
14-Feb-09	21:26:00	63.9	66.8	57.9
14-Feb-09	21:31:00	63.3	66.6	57.6
14-Feb-09	21:36:00	63.7	66.9	58.5
14-Feb-09	21:41:00	64.2	67.8	58.0
14-Feb-09	21:46:00	62.7	65.9	57.4
14-Feb-09	21:51:00	62.2	65.4	57.5
14-Feb-09	21:56:00	62.4	64.2	57.6
14-Feb-09	22:01:00	65.1	68.7	58.5
14-Feb-09	22:06:00	66.3	67.3	58.3
14-Feb-09	22:11:00	61.9	65.0	57.0
14-Feb-09	22:16:00	62.6	65.3	57.5
14-Feb-09	22:21:00	61.9	65.0	56.2
14-Feb-09	22:26:00	62.6	65.1	57.1
14-Feb-09	22:31:00	63.3	67.1	56.6
14-Feb-09	22:36:00	61.9	65.1	56.6
14-Feb-09	22:41:00	62.3	65.8	56.6
14-Feb-09	22:46:00	63.9	66.1	57.2
14-Feb-09	22:51:00	62.7	65.7	57.3
14-Feb-09	22:56:00	62.0	65.4	56.8

Mean 63.3 66.2 58.1  
Maximum 66.3 68.7 59.8  
Minimum 61.8 63.9 56.2

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	07:01:00	61.3	64.2	56.3
15-Feb-09	07:06:00	61.9	65.0	56.4
15-Feb-09	07:11:00	61.8	64.5	55.3
15-Feb-09	07:16:00	61.1	64.2	56.3
15-Feb-09	07:21:00	61.8	64.3	56.0
15-Feb-09	07:26:00	63.3	67.1	57.1
15-Feb-09	07:31:00	60.7	63.9	56.0
15-Feb-09	07:36:00	61.6	65.0	56.0
15-Feb-09	07:41:00	62.9	66.4	57.0
15-Feb-09	07:46:00	61.2	63.9	55.9
15-Feb-09	07:51:00	62.7	65.9	57.4
15-Feb-09	07:56:00	62.8	66.4	57.2
15-Feb-09	08:01:00	61.7	64.0	56.3
15-Feb-09	08:06:00	63.7	67.2	57.7
15-Feb-09	08:11:00	62.1	64.8	57.6
15-Feb-09	08:16:00	61.9	64.7	57.4
15-Feb-09	08:21:00	62.6	66.2	57.5
15-Feb-09	08:26:00	62.3	65.0	57.0
15-Feb-09	08:31:00	62.4	65.2	57.9
15-Feb-09	08:36:00	63.5	66.2	58.4
15-Feb-09	08:41:00	62.2	64.7	57.6
15-Feb-09	08:46:00	63.0	66.6	57.7
15-Feb-09	08:51:00	60.8	62.5	57.0
15-Feb-09	08:56:00	66.0	68.1	57.5
15-Feb-09	09:01:00	63.7	66.6	58.6
15-Feb-09	09:06:00	63.2	67.0	57.7
15-Feb-09	09:11:00	63.1	65.9	58.5
15-Feb-09	09:16:00	63.0	65.9	59.1
15-Feb-09	09:21:00	62.8	65.2	58.1
15-Feb-09	09:26:00	62.3	64.9	58.4
15-Feb-09	09:31:00	63.2	66.5	59.2
15-Feb-09	09:36:00	64.3	66.1	61.3
15-Feb-09	09:41:00	65.6	68.3	59.0
15-Feb-09	09:46:00	62.3	65.4	58.1
15-Feb-09	09:51:00	64.5	67.9	57.7
15-Feb-09	09:56:00	63.6	66.3	58.4
15-Feb-09	10:01:00	64.7	67.0	59.5
15-Feb-09	10:06:00	63.9	67.4	58.8
15-Feb-09	10:11:00	64.7	67.4	59.2
15-Feb-09	10:16:00	62.3	64.5	58.3
15-Feb-09	10:21:00	63.5	66.6	58.3
15-Feb-09	10:26:00	62.6	66.3	58.0
15-Feb-09	10:31:00	64.3	66.7	59.1
15-Feb-09	10:36:00	63.4	66.5	59.3
15-Feb-09	10:41:00	63.5	66.8	58.4
15-Feb-09	10:46:00	62.4	65.5	57.9
15-Feb-09	10:51:00	64.7	67.6	59.7
15-Feb-09	10:56:00	63.7	67.2	59.3

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	11:01:00	63.7	66.8	59.9
15-Feb-09	11:06:00	64.2	67.4	59.9
15-Feb-09	11:11:00	63.5	66.8	59.6
15-Feb-09	11:16:00	64.4	67.8	58.3
15-Feb-09	11:21:00	63.7	66.6	58.8
15-Feb-09	11:26:00	62.6	65.2	58.7
15-Feb-09	11:31:00	65.2	69.0	59.7
15-Feb-09	11:36:00	67.6	67.6	60.9
15-Feb-09	11:41:00	63.1	66.1	59.0
15-Feb-09	11:46:00	64.3	67.1	59.5
15-Feb-09	11:51:00	62.8	65.4	59.4
15-Feb-09	11:56:00	63.5	66.9	59.0
15-Feb-09	12:01:00	65.3	68.1	59.3
15-Feb-09	12:06:00	63.8	67.7	58.6
15-Feb-09	12:11:00	64.1	66.7	59.8
15-Feb-09	12:16:00	63.3	66.0	58.6
15-Feb-09	12:21:00	63.2	65.5	58.9
15-Feb-09	12:26:00	62.7	65.0	58.3
15-Feb-09	12:31:00	63.9	66.9	58.5
15-Feb-09	12:36:00	63.1	66.2	58.7
15-Feb-09	12:41:00	63.7	66.5	59.0
15-Feb-09	12:46:00	63.9	67.6	59.0
15-Feb-09	12:51:00	64.8	67.5	59.6
15-Feb-09	12:56:00	63.8	66.6	57.8
15-Feb-09	13:01:00	63.0	65.6	59.3
15-Feb-09	13:06:00	64.5	67.6	59.1
15-Feb-09	13:11:00	63.5	66.2	57.9
15-Feb-09	13:16:00	63.1	65.9	58.4
15-Feb-09	13:21:00	61.8	64.3	57.7
15-Feb-09	13:26:00	63.4	67.6	58.3
15-Feb-09	13:31:00	63.5	66.9	58.2
15-Feb-09	13:36:00	63.8	66.0	59.0
15-Feb-09	13:41:00	63.5	67.0	58.4
15-Feb-09	13:46:00	64.3	67.4	59.0
15-Feb-09	13:51:00	64.5	67.3	60.5
15-Feb-09	13:56:00	63.3	65.4	59.0
15-Feb-09	14:01:00	64.3	67.2	59.3
15-Feb-09	14:06:00	64.5	67.2	59.2
15-Feb-09	14:11:00	64.3	67.9	58.8
15-Feb-09	14:16:00	62.4	64.2	58.0
15-Feb-09	14:21:00	62.7	65.6	58.3
15-Feb-09	14:26:00	64.3	66.7	58.6
15-Feb-09	14:31:00	63.3	66.4	58.8
15-Feb-09	14:36:00	63.6	66.3	58.2
15-Feb-09	14:41:00	62.6	64.9	58.3
15-Feb-09	14:46:00	64.1	67.7	58.7
15-Feb-09	14:51:00	62.8	66.0	57.8
15-Feb-09	14:56:00	64.2	65.4	59.7

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	15:01:00	62.0	65.0	57.6
15-Feb-09	15:06:00	63.9	67.1	57.9
15-Feb-09	15:11:00	63.9	67.8	58.6
15-Feb-09	15:16:00	62.5	65.8	57.5
15-Feb-09	15:21:00	62.9	65.6	58.5
15-Feb-09	15:26:00	64.3	68.3	58.9
15-Feb-09	15:31:00	63.7	66.5	59.1
15-Feb-09	15:36:00	63.2	64.7	58.3
15-Feb-09	15:41:00	67.3	68.7	59.1
15-Feb-09	15:46:00	63.8	66.1	59.5
15-Feb-09	15:51:00	63.7	66.5	58.8
15-Feb-09	15:56:00	71.1	71.9	58.8
15-Feb-09	16:01:00	64.1	65.9	58.5
15-Feb-09	16:06:00	63.3	66.6	59.5
15-Feb-09	16:11:00	63.0	66.1	59.5
15-Feb-09	16:16:00	63.2	65.1	58.9
15-Feb-09	16:21:00	65.3	67.2	58.8
15-Feb-09	16:26:00	63.8	67.5	58.5
15-Feb-09	16:31:00	63.3	66.3	58.7
15-Feb-09	16:36:00	62.0	64.9	57.4
15-Feb-09	16:41:00	64.2	67.3	58.2
15-Feb-09	16:46:00	62.3	66.0	57.7
15-Feb-09	16:51:00	63.1	66.2	58.4
15-Feb-09	16:56:00	63.1	66.1	58.5
15-Feb-09	17:01:00	64.7	67.9	59.0
15-Feb-09	17:06:00	64.2	67.2	58.7
15-Feb-09	17:11:00	64.4	67.2	59.8
15-Feb-09	17:16:00	62.7	65.8	58.2
15-Feb-09	17:21:00	63.7	66.6	58.5
15-Feb-09	17:26:00	64.4	66.2	59.1
15-Feb-09	17:31:00	69.5	69.7	59.6
15-Feb-09	17:36:00	63.8	66.6	58.1
15-Feb-09	17:41:00	64.7	68.0	59.3
15-Feb-09	17:46:00	63.4	66.3	58.9
15-Feb-09	17:51:00	64.9	67.0	60.3
15-Feb-09	17:56:00	63.4	66.2	59.3
15-Feb-09	18:01:00	64.6	68.0	59.5
15-Feb-09	18:06:00	64.1	67.9	58.9
15-Feb-09	18:11:00	64.1	66.0	58.6
15-Feb-09	18:16:00	63.5	66.7	59.1
15-Feb-09	18:21:00	63.8	66.2	59.3
15-Feb-09	18:26:00	62.4	63.9	58.5
15-Feb-09	18:31:00	63.7	66.7	59.4
15-Feb-09	18:36:00	63.7	66.9	58.6
15-Feb-09	18:41:00	63.0	65.6	58.5
15-Feb-09	18:46:00	63.2	66.3	59.1
15-Feb-09	18:51:00	64.6	68.0	57.9
15-Feb-09	18:56:00	63.3	66.8	57.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	19:01:00	63.9	66.2	58.2
15-Feb-09	19:06:00	62.6	65.6	58.6
15-Feb-09	19:11:00	62.9	66.1	58.3
15-Feb-09	19:16:00	62.2	64.3	58.5
15-Feb-09	19:21:00	63.4	66.9	57.4
15-Feb-09	19:26:00	64.2	67.4	58.6
15-Feb-09	19:31:00	63.5	66.7	58.1
15-Feb-09	19:36:00	64.0	67.7	58.7
15-Feb-09	19:41:00	61.9	64.5	57.4
15-Feb-09	19:46:00	64.5	68.3	58.0
15-Feb-09	19:51:00	63.9	67.7	58.5
15-Feb-09	19:56:00	63.2	64.6	57.8
15-Feb-09	20:01:00	63.4	66.0	58.4
15-Feb-09	20:06:00	63.9	66.9	58.8
15-Feb-09	20:11:00	63.9	67.2	58.7
15-Feb-09	20:16:00	63.4	66.2	58.8
15-Feb-09	20:21:00	65.4	68.2	58.0
15-Feb-09	20:26:00	63.4	65.5	57.2
15-Feb-09	20:31:00	63.2	66.8	58.3
15-Feb-09	20:36:00	63.5	66.3	58.8
15-Feb-09	20:41:00	64.2	68.0	57.7
15-Feb-09	20:46:00	63.4	66.3	58.5
15-Feb-09	20:51:00	63.9	66.9	58.4
15-Feb-09	20:56:00	62.7	65.8	57.8
15-Feb-09	21:01:00	63.8	66.8	59.1
15-Feb-09	21:06:00	64.2	67.0	57.9
15-Feb-09	21:11:00	61.9	64.5	57.8
15-Feb-09	21:16:00	65.9	66.6	56.9
15-Feb-09	21:21:00	63.1	65.9	58.8
15-Feb-09	21:26:00	62.7	64.7	57.8
15-Feb-09	21:31:00	63.5	67.2	58.4
15-Feb-09	21:36:00	64.7	67.7	58.3
15-Feb-09	21:41:00	62.3	65.2	57.5
15-Feb-09	21:46:00	63.3	66.2	58.8
15-Feb-09	21:51:00	63.3	66.8	58.2
15-Feb-09	21:56:00	61.5	64.7	56.9
15-Feb-09	22:01:00	62.9	66.9	57.5
15-Feb-09	22:06:00	63.7	66.5	57.9
15-Feb-09	22:11:00	59.4	61.9	56.4
15-Feb-09	22:16:00	63.9	66.9	57.7
15-Feb-09	22:21:00	62.1	65.0	57.4
15-Feb-09	22:26:00	63.0	66.0	58.3
15-Feb-09	22:31:00	61.8	64.7	56.6
15-Feb-09	22:36:00	61.6	64.5	56.2
15-Feb-09	22:41:00	61.1	63.9	55.8
15-Feb-09	22:46:00	63.9	67.7	56.0
15-Feb-09	22:51:00	61.9	65.7	55.5
15-Feb-09	22:56:00	60.3	63.0	55.3

Mean	63.7	66.5	58.4
Maximum	71.1	71.9	61.3
Minimum	59.4	61.9	55.3

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
16-Feb-09	19:01:00	63.3	66.9	59.5
16-Feb-09	19:06:00	65.1	67.6	61.0
16-Feb-09	19:11:00	64.1	67.8	59.3
16-Feb-09	19:16:00	64.4	66.2	60.7
16-Feb-09	19:21:00	62.9	66.3	58.5
16-Feb-09	19:26:00	64.8	68.0	60.1
16-Feb-09	19:31:00	66.7	69.2	60.2
16-Feb-09	19:36:00	66.5	68.5	61.3
16-Feb-09	19:41:00	64.1	66.4	59.9
16-Feb-09	19:46:00	64.3	66.2	60.0
16-Feb-09	19:51:00	64.9	68.3	60.2
16-Feb-09	19:56:00	63.9	66.8	59.0
16-Feb-09	20:01:00	63.7	65.9	58.9
16-Feb-09	20:06:00	63.3	65.6	59.4
16-Feb-09	20:11:00	64.0	67.4	58.8
16-Feb-09	20:16:00	64.6	67.3	59.3
16-Feb-09	20:21:00	64.0	67.1	59.1
16-Feb-09	20:26:00	62.6	65.2	58.0
16-Feb-09	20:31:00	63.3	66.0	58.5
16-Feb-09	20:36:00	63.4	65.7	58.8
16-Feb-09	20:41:00	64.3	67.0	58.7
16-Feb-09	20:46:00	64.1	66.9	60.3
16-Feb-09	20:51:00	63.9	66.9	58.9
16-Feb-09	20:56:00	64.4	66.7	58.7
16-Feb-09	21:01:00	62.2	64.6	59.3
16-Feb-09	21:06:00	62.9	65.6	58.7
16-Feb-09	21:11:00	62.7	64.6	58.6
16-Feb-09	21:16:00	62.8	65.9	58.7
16-Feb-09	21:21:00	63.2	66.7	58.5
16-Feb-09	21:26:00	62.2	64.5	58.6
16-Feb-09	21:31:00	63.3	66.4	57.2
16-Feb-09	21:36:00	63.0	65.5	58.8
16-Feb-09	21:41:00	62.9	66.4	57.9
16-Feb-09	21:46:00	63.0	66.0	58.3
16-Feb-09	21:51:00	62.7	65.2	57.7
16-Feb-09	21:56:00	61.4	63.4	58.1
16-Feb-09	22:01:00	63.8	65.5	59.3
16-Feb-09	22:06:00	62.9	66.0	57.6
16-Feb-09	22:11:00	63.2	66.0	57.0
16-Feb-09	22:16:00	62.2	65.2	57.4
16-Feb-09	22:21:00	63.1	65.5	57.3
16-Feb-09	22:26:00	62.2	66.1	56.2
16-Feb-09	22:31:00	61.7	65.0	56.3
16-Feb-09	22:36:00	62.3	65.1	56.5
16-Feb-09	22:41:00	61.8	64.5	56.6
16-Feb-09	22:46:00	61.8	64.8	57.1
16-Feb-09	22:51:00	64.0	67.6	58.4
16-Feb-09	22:56:00	61.1	63.3	55.8

Mean 63.6 66.3 58.8  
Maximum 66.7 69.2 61.3  
Minimum 61.1 63.3 55.8

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
17-Feb-09	19:01:00	64.3	67.0	60.1
17-Feb-09	19:06:00	64.0	66.7	59.1
17-Feb-09	19:11:00	64.9	68.3	59.4
17-Feb-09	19:16:00	63.8	67.1	58.9
17-Feb-09	19:21:00	64.6	67.6	59.6
17-Feb-09	19:26:00	64.3	66.6	59.6
17-Feb-09	19:31:00	65.5	68.6	61.0
17-Feb-09	19:36:00	64.3	67.0	59.5
17-Feb-09	19:41:00	65.4	68.5	59.8
17-Feb-09	19:46:00	65.4	65.7	59.1
17-Feb-09	19:51:00	64.9	68.1	60.5
17-Feb-09	19:56:00	67.0	68.9	60.4
17-Feb-09	20:01:00	63.7	66.0	59.4
17-Feb-09	20:06:00	63.9	67.1	58.5
17-Feb-09	20:11:00	64.5	67.7	59.4
17-Feb-09	20:16:00	64.1	67.4	58.3
17-Feb-09	20:21:00	63.3	65.9	59.3
17-Feb-09	20:26:00	63.6	65.5	59.3
17-Feb-09	20:31:00	63.3	66.3	58.3
17-Feb-09	20:36:00	63.1	66.6	58.3
17-Feb-09	20:41:00	62.9	65.5	58.6
17-Feb-09	20:46:00	63.4	66.5	58.5
17-Feb-09	20:51:00	63.7	66.5	59.0
17-Feb-09	20:56:00	62.5	64.7	58.4
17-Feb-09	21:01:00	62.5	65.3	57.8
17-Feb-09	21:06:00	62.9	65.5	58.4
17-Feb-09	21:11:00	63.8	66.5	59.1
17-Feb-09	21:16:00	64.8	68.8	58.6
17-Feb-09	21:21:00	63.5	66.3	58.7
17-Feb-09	21:26:00	63.2	64.3	58.4
17-Feb-09	21:31:00	63.0	66.3	57.8
17-Feb-09	21:36:00	62.3	64.6	57.8
17-Feb-09	21:41:00	63.7	66.6	58.5
17-Feb-09	21:46:00	62.8	65.8	57.9
17-Feb-09	21:51:00	63.4	66.6	58.6
17-Feb-09	21:56:00	62.1	65.9	57.2
17-Feb-09	22:01:00	63.4	65.9	57.5
17-Feb-09	22:06:00	62.8	65.5	58.4
17-Feb-09	22:11:00	62.2	64.9	56.9
17-Feb-09	22:16:00	63.1	65.2	57.2
17-Feb-09	22:21:00	62.0	64.5	57.1
17-Feb-09	22:26:00	61.1	63.5	57.1
17-Feb-09	22:31:00	62.6	66.0	56.3
17-Feb-09	22:36:00	61.4	64.1	56.5
17-Feb-09	22:41:00	62.7	65.7	55.6
17-Feb-09	22:46:00	63.5	66.8	58.3
17-Feb-09	22:51:00	62.4	65.1	58.7
17-Feb-09	22:56:00	63.8	66.2	56.8

Mean 63.7 66.5 58.6  
Maximum 67.0 68.9 61.0  
Minimum 61.1 63.5 55.6

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
18-Feb-09	19:01:00	64.1	66.5	60.0
18-Feb-09	19:06:00	65.5	67.8	60.1
18-Feb-09	19:11:00	65.0	67.7	60.5
18-Feb-09	19:16:00	64.9	67.5	61.6
18-Feb-09	19:21:00	63.1	65.8	59.7
18-Feb-09	19:26:00	63.4	66.1	59.1
18-Feb-09	19:31:00	63.9	66.9	59.7
18-Feb-09	19:36:00	64.2	66.2	60.1
18-Feb-09	19:41:00	65.3	68.2	60.6
18-Feb-09	19:46:00	64.7	67.5	60.6
18-Feb-09	19:51:00	64.1	67.0	59.7
18-Feb-09	19:56:00	64.1	67.2	59.0
18-Feb-09	20:01:00	64.8	67.3	59.7
18-Feb-09	20:06:00	64.1	66.9	60.1
18-Feb-09	20:11:00	66.1	69.5	60.4
18-Feb-09	20:16:00	66.4	68.6	61.6
18-Feb-09	20:21:00	64.4	66.6	60.4
18-Feb-09	20:26:00	67.4	69.5	60.2
18-Feb-09	20:31:00	63.9	66.9	60.0
18-Feb-09	20:36:00	63.8	66.1	59.8
18-Feb-09	20:41:00	65.1	67.4	59.8
18-Feb-09	20:46:00	64.1	67.0	58.7
18-Feb-09	20:51:00	63.9	66.4	60.3
18-Feb-09	20:56:00	62.2	64.9	58.8
18-Feb-09	21:01:00	63.7	66.1	59.3
18-Feb-09	21:06:00	63.6	67.0	59.1
18-Feb-09	21:11:00	66.0	67.7	58.9
18-Feb-09	21:16:00	64.5	67.5	59.0
18-Feb-09	21:21:00	64.9	67.2	59.0
18-Feb-09	21:26:00	62.2	65.3	58.6
18-Feb-09	21:31:00	63.7	66.9	59.2
18-Feb-09	21:36:00	64.4	67.8	59.0
18-Feb-09	21:41:00	63.7	66.2	58.9
18-Feb-09	21:46:00	64.0	67.5	59.0
18-Feb-09	21:51:00	65.2	67.8	61.0
18-Feb-09	21:56:00	63.0	66.4	57.9
18-Feb-09	22:01:00	63.4	66.4	58.2
18-Feb-09	22:06:00	63.7	66.9	59.3
18-Feb-09	22:11:00	62.8	65.5	58.8
18-Feb-09	22:16:00	64.8	68.1	59.7
18-Feb-09	22:21:00	63.4	66.0	57.2
18-Feb-09	22:26:00	62.8	66.0	57.0
18-Feb-09	22:31:00	65.8	67.6	57.5
18-Feb-09	22:36:00	63.1	65.9	57.9
18-Feb-09	22:41:00	64.0	66.8	57.8
18-Feb-09	22:46:00	63.2	66.6	57.0
18-Feb-09	22:51:00	63.9	67.4	57.8
18-Feb-09	22:56:00	62.3	64.5	58.0

Mean 64.3 67.1 59.4  
Maximum 67.4 69.5 61.6  
Minimum 62.2 64.5 57.0

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
19-Feb-09	19:01:00	65.3	68.9	60.3
19-Feb-09	19:06:00	64.3	66.7	60.3
19-Feb-09	19:11:00	62.8	64.6	59.7
19-Feb-09	19:16:00	63.7	66.9	58.6
19-Feb-09	19:21:00	64.3	67.2	59.6
19-Feb-09	19:26:00	65.0	67.3	60.8
19-Feb-09	19:31:00	66.5	67.3	59.0
19-Feb-09	19:36:00	63.7	66.6	59.1
19-Feb-09	19:41:00	64.0	66.2	59.6
19-Feb-09	19:46:00	64.1	67.2	59.5
19-Feb-09	19:51:00	64.7	68.4	59.4
19-Feb-09	19:56:00	63.7	66.3	59.0
19-Feb-09	20:01:00	65.2	68.3	59.9
19-Feb-09	20:06:00	63.0	65.9	58.6
19-Feb-09	20:11:00	63.4	66.1	59.1
19-Feb-09	20:16:00	63.6	66.0	59.8
19-Feb-09	20:21:00	65.3	67.9	59.5
19-Feb-09	20:26:00	64.1	67.9	59.6
19-Feb-09	20:31:00	63.6	66.3	58.7
19-Feb-09	20:36:00	62.6	65.1	59.1
19-Feb-09	20:41:00	63.5	65.9	59.3
19-Feb-09	20:46:00	65.0	67.3	60.0
19-Feb-09	20:51:00	61.5	63.6	58.5
19-Feb-09	20:56:00	62.3	64.9	58.5
19-Feb-09	21:01:00	62.7	66.0	58.2
19-Feb-09	21:06:00	63.0	65.2	57.6
19-Feb-09	21:11:00	63.1	66.2	58.4
19-Feb-09	21:16:00	64.1	67.1	58.9
19-Feb-09	21:21:00	62.5	65.5	58.5
19-Feb-09	21:26:00	62.6	65.1	57.5
19-Feb-09	21:31:00	63.5	66.7	58.9
19-Feb-09	21:36:00	63.0	65.9	58.1
19-Feb-09	21:41:00	63.5	66.9	57.6
19-Feb-09	21:46:00	63.8	66.8	59.7
19-Feb-09	21:51:00	61.5	63.5	57.6
19-Feb-09	21:56:00	64.2	66.3	57.8
19-Feb-09	22:01:00	62.6	65.7	57.6
19-Feb-09	22:06:00	63.6	65.6	57.8
19-Feb-09	22:11:00	63.8	67.5	58.5
19-Feb-09	22:16:00	63.0	65.2	58.2
19-Feb-09	22:21:00	62.1	65.0	56.8
19-Feb-09	22:26:00	62.5	65.5	57.3
19-Feb-09	22:31:00	63.0	66.7	57.5
19-Feb-09	22:36:00	62.8	65.0	57.0
19-Feb-09	22:41:00	61.5	64.0	56.6
19-Feb-09	22:46:00	62.5	65.4	57.5
19-Feb-09	22:51:00	62.9	67.1	56.2
19-Feb-09	22:56:00	60.8	63.5	56.4

Mean 63.6 66.3 58.7  
Maximum 66.5 68.9 60.8  
Minimum 60.8 63.5 56.2

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
20-Feb-09	19:01:00	63.7	66.5	59.9
20-Feb-09	19:06:00	63.6	65.8	59.1
20-Feb-09	19:11:00	64.1	67.4	59.8
20-Feb-09	19:16:00	64.7	67.8	59.3
20-Feb-09	19:21:00	63.2	66.1	58.1
20-Feb-09	19:26:00	64.6	66.9	60.9
20-Feb-09	19:31:00	64.5	66.7	59.3
20-Feb-09	19:36:00	63.9	67.3	59.5
20-Feb-09	19:41:00	62.8	65.4	58.6
20-Feb-09	19:46:00	63.6	66.1	59.1
20-Feb-09	19:51:00	63.9	67.1	58.5
20-Feb-09	19:56:00	63.9	67.3	58.8
20-Feb-09	20:01:00	64.0	67.2	58.6
20-Feb-09	20:06:00	65.2	66.3	60.0
20-Feb-09	20:11:00	64.5	68.0	59.1
20-Feb-09	20:16:00	63.7	67.0	59.4
20-Feb-09	20:21:00	64.8	68.9	58.6
20-Feb-09	20:26:00	63.0	65.2	58.3
20-Feb-09	20:31:00	62.1	64.1	57.6
20-Feb-09	20:36:00	64.0	66.9	58.7
20-Feb-09	20:41:00	64.5	66.2	59.0
20-Feb-09	20:46:00	64.0	67.5	59.2
20-Feb-09	20:51:00	62.8	65.3	58.2
20-Feb-09	20:56:00	62.6	65.9	57.8
20-Feb-09	21:01:00	63.8	66.5	58.5
20-Feb-09	21:06:00	63.6	66.8	57.9
20-Feb-09	21:11:00	62.1	64.2	58.0
20-Feb-09	21:16:00	63.0	66.1	58.1
20-Feb-09	21:21:00	63.2	66.2	58.3
20-Feb-09	21:26:00	62.8	66.4	57.0
20-Feb-09	21:31:00	64.5	66.9	57.9
20-Feb-09	21:36:00	64.0	67.2	58.5
20-Feb-09	21:41:00	63.3	65.9	58.0
20-Feb-09	21:46:00	64.4	67.5	58.6
20-Feb-09	21:51:00	64.8	68.2	58.0
20-Feb-09	21:56:00	63.4	65.5	58.4
20-Feb-09	22:01:00	65.8	68.6	58.3
20-Feb-09	22:06:00	63.7	66.8	58.8
20-Feb-09	22:11:00	64.1	68.2	58.3
20-Feb-09	22:16:00	62.5	66.1	57.5
20-Feb-09	22:21:00	63.0	66.2	56.8
20-Feb-09	22:26:00	63.4	66.8	57.7
20-Feb-09	22:31:00	63.2	65.8	58.0
20-Feb-09	22:36:00	62.7	66.4	56.4
20-Feb-09	22:41:00	60.4	62.4	56.1
20-Feb-09	22:46:00	63.6	66.9	58.1
20-Feb-09	22:51:00	62.1	64.5	56.8
20-Feb-09	22:56:00	62.8	66.4	57.1

Mean 63.7 66.6 58.5  
Maximum 65.8 68.9 60.9  
Minimum 60.4 62.4 56.1

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
21-Feb-09	19:01:00	63.2	66.8	58.6
21-Feb-09	19:06:00	64.6	67.4	59.5
21-Feb-09	19:11:00	62.0	64.4	57.8
21-Feb-09	19:16:00	62.0	64.6	58.5
21-Feb-09	19:21:00	65.0	68.0	59.6
21-Feb-09	19:26:00	63.5	66.1	58.6
21-Feb-09	19:31:00	64.2	66.7	58.1
21-Feb-09	19:36:00	64.1	67.1	59.5
21-Feb-09	19:41:00	64.4	67.5	58.3
21-Feb-09	19:46:00	63.6	66.1	58.2
21-Feb-09	19:51:00	63.8	66.7	58.8
21-Feb-09	19:56:00	64.4	65.0	58.3
21-Feb-09	20:01:00	64.3	67.0	58.9
21-Feb-09	20:06:00	64.2	67.0	58.8
21-Feb-09	20:11:00	62.1	64.2	57.7
21-Feb-09	20:16:00	63.4	66.2	58.7
21-Feb-09	20:21:00	63.4	66.2	58.8
21-Feb-09	20:26:00	64.1	66.6	58.5
21-Feb-09	20:31:00	62.4	64.4	59.4
21-Feb-09	20:36:00	63.9	67.0	59.0
21-Feb-09	20:41:00	64.5	67.8	59.5
21-Feb-09	20:46:00	63.2	65.7	58.7
21-Feb-09	20:51:00	63.3	65.6	58.9
21-Feb-09	20:56:00	62.4	65.5	58.0
21-Feb-09	21:01:00	63.2	66.7	57.3
21-Feb-09	21:06:00	63.2	66.2	58.3
21-Feb-09	21:11:00	62.9	65.5	58.7
21-Feb-09	21:16:00	63.2	66.1	57.8
21-Feb-09	21:21:00	62.4	64.4	57.3
21-Feb-09	21:26:00	61.7	63.7	57.2
21-Feb-09	21:31:00	62.7	64.9	57.7
21-Feb-09	21:36:00	62.4	65.2	57.5
21-Feb-09	21:41:00	63.8	67.7	58.3
21-Feb-09	21:46:00	63.0	65.5	57.5
21-Feb-09	21:51:00	63.3	66.6	58.4
21-Feb-09	21:56:00	62.6	64.0	56.4
21-Feb-09	22:01:00	62.7	66.0	56.8
21-Feb-09	22:06:00	63.2	65.5	57.6
21-Feb-09	22:11:00	62.1	65.3	56.9
21-Feb-09	22:16:00	62.9	65.4	57.6
21-Feb-09	22:21:00	62.9	65.2	57.6
21-Feb-09	22:26:00	62.2	65.0	57.2
21-Feb-09	22:31:00	63.3	66.7	56.5
21-Feb-09	22:36:00	62.8	65.4	57.2
21-Feb-09	22:41:00	62.9	65.4	58.4
21-Feb-09	22:46:00	62.9	66.2	56.8
21-Feb-09	22:51:00	61.7	63.9	56.5
21-Feb-09	22:56:00	62.4	65.9	56.9

Mean 63.3 66.0 58.1  
Maximum 65.0 68.0 59.6  
Minimum 61.7 63.7 56.4



## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	07:01:00	61.5	64.2	54.9
22-Feb-09	07:06:00	63.8	64.9	54.9
22-Feb-09	07:11:00	61.0	64.3	54.5
22-Feb-09	07:16:00	60.7	64.1	54.4
22-Feb-09	07:21:00	62.0	66.2	55.0
22-Feb-09	07:26:00	61.4	64.7	54.9
22-Feb-09	07:31:00	60.7	63.5	55.7
22-Feb-09	07:36:00	63.3	67.4	56.5
22-Feb-09	07:41:00	62.5	65.9	56.5
22-Feb-09	07:46:00	62.9	66.8	56.3
22-Feb-09	07:51:00	61.8	64.8	55.0
22-Feb-09	07:56:00	62.7	65.8	56.6
22-Feb-09	08:01:00	61.4	63.9	56.4
22-Feb-09	08:06:00	64.1	68.4	56.7
22-Feb-09	08:11:00	62.8	65.7	57.0
22-Feb-09	08:16:00	60.7	64.0	56.6
22-Feb-09	08:21:00	64.4	67.9	58.1
22-Feb-09	08:26:00	61.7	64.9	57.0
22-Feb-09	08:31:00	62.4	65.8	56.6
22-Feb-09	08:36:00	61.9	64.7	56.4
22-Feb-09	08:41:00	63.6	67.2	57.1
22-Feb-09	08:46:00	61.4	64.1	56.3
22-Feb-09	08:51:00	62.9	66.5	57.0
22-Feb-09	08:56:00	64.1	68.0	57.6
22-Feb-09	09:01:00	62.3	64.2	56.9
22-Feb-09	09:06:00	65.4	68.3	58.6
22-Feb-09	09:11:00	68.1	73.3	57.9
22-Feb-09	09:16:00	65.8	68.8	58.0
22-Feb-09	09:21:00	62.7	65.6	56.6
22-Feb-09	09:26:00	63.5	67.1	58.3
22-Feb-09	09:31:00	61.4	64.0	58.0
22-Feb-09	09:36:00	63.5	66.3	58.0
22-Feb-09	09:41:00	63.1	65.7	57.6
22-Feb-09	09:46:00	65.4	68.9	60.1
22-Feb-09	09:51:00	64.0	65.9	61.0
22-Feb-09	09:56:00	62.8	65.8	57.2
22-Feb-09	10:01:00	64.8	68.4	58.3
22-Feb-09	10:06:00	63.7	67.3	58.6
22-Feb-09	10:11:00	63.9	67.2	58.3
22-Feb-09	10:16:00	63.0	65.9	57.4
22-Feb-09	10:21:00	62.5	66.0	57.3
22-Feb-09	10:26:00	63.9	67.3	59.3
22-Feb-09	10:31:00	63.1	66.0	57.9
22-Feb-09	10:36:00	63.8	66.0	59.1
22-Feb-09	10:41:00	63.2	65.7	58.3
22-Feb-09	10:46:00	65.8	69.1	60.6
22-Feb-09	10:51:00	63.4	65.6	60.3
22-Feb-09	10:56:00	68.1	69.3	59.6

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	11:01:00	63.1	66.5	58.0
22-Feb-09	11:06:00	63.3	66.5	58.7
22-Feb-09	11:11:00	63.2	66.5	57.5
22-Feb-09	11:16:00	64.2	67.1	59.1
22-Feb-09	11:21:00	63.2	66.6	58.6
22-Feb-09	11:26:00	63.8	67.3	58.5
22-Feb-09	11:31:00	64.5	67.8	59.4
22-Feb-09	11:36:00	64.3	66.5	60.7
22-Feb-09	11:41:00	65.4	69.4	58.7
22-Feb-09	11:46:00	64.7	66.8	58.8
22-Feb-09	11:51:00	65.7	66.2	59.2
22-Feb-09	11:56:00	62.8	66.0	57.7
22-Feb-09	12:01:00	63.5	67.6	57.6
22-Feb-09	12:06:00	64.2	66.7	58.5
22-Feb-09	12:11:00	62.1	64.6	57.8
22-Feb-09	12:16:00	67.3	68.7	59.0
22-Feb-09	12:21:00	63.6	67.0	57.9
22-Feb-09	12:26:00	62.2	64.9	57.4
22-Feb-09	12:31:00	64.8	67.1	60.0
22-Feb-09	12:36:00	65.0	66.4	59.6
22-Feb-09	12:41:00	63.5	66.2	59.1
22-Feb-09	12:46:00	63.6	66.0	59.6
22-Feb-09	12:51:00	63.3	66.0	57.9
22-Feb-09	12:56:00	63.8	66.3	57.3
22-Feb-09	13:01:00	63.5	66.6	57.8
22-Feb-09	13:06:00	64.0	68.2	58.1
22-Feb-09	13:11:00	62.2	65.4	57.6
22-Feb-09	13:16:00	63.3	66.3	57.8
22-Feb-09	13:21:00	62.9	65.8	57.5
22-Feb-09	13:26:00	62.7	65.9	57.9
22-Feb-09	13:31:00	62.8	66.0	57.1
22-Feb-09	13:36:00	63.2	66.5	56.9
22-Feb-09	13:41:00	62.1	64.4	57.9
22-Feb-09	13:46:00	62.7	64.4	58.8
22-Feb-09	13:51:00	63.3	66.2	57.6
22-Feb-09	13:56:00	64.0	67.4	59.3
22-Feb-09	14:01:00	65.4	68.1	59.5
22-Feb-09	14:06:00	65.1	68.5	58.2
22-Feb-09	14:11:00	62.6	65.7	57.3
22-Feb-09	14:16:00	63.4	66.3	57.8
22-Feb-09	14:21:00	63.1	66.6	57.9
22-Feb-09	14:26:00	63.0	65.9	57.8
22-Feb-09	14:31:00	63.4	66.1	58.6
22-Feb-09	14:36:00	63.4	65.0	57.0
22-Feb-09	14:41:00	63.0	66.4	57.6
22-Feb-09	14:46:00	63.3	66.2	57.9
22-Feb-09	14:51:00	63.7	66.3	60.5
22-Feb-09	14:56:00	62.7	64.5	58.1

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	15:01:00	62.7	65.3	58.4
22-Feb-09	15:06:00	63.4	66.7	59.0
22-Feb-09	15:11:00	63.4	67.2	57.0
22-Feb-09	15:16:00	62.3	65.4	57.5
22-Feb-09	15:21:00	64.7	67.4	58.5
22-Feb-09	15:26:00	62.8	65.8	58.3
22-Feb-09	15:31:00	62.3	64.9	57.5
22-Feb-09	15:36:00	64.2	66.5	57.7
22-Feb-09	15:41:00	62.9	66.6	57.2
22-Feb-09	15:46:00	62.9	65.1	58.5
22-Feb-09	15:51:00	63.5	66.5	58.0
22-Feb-09	15:56:00	62.0	64.6	57.7
22-Feb-09	16:01:00	63.5	66.2	59.0
22-Feb-09	16:06:00	63.1	66.5	57.0
22-Feb-09	16:11:00	64.5	68.0	59.3
22-Feb-09	16:16:00	60.2	62.9	57.1
22-Feb-09	16:21:00	65.8	67.2	58.5
22-Feb-09	16:26:00	63.5	66.5	57.7
22-Feb-09	16:31:00	65.5	67.9	58.7
22-Feb-09	16:36:00	63.1	66.1	57.8
22-Feb-09	16:41:00	63.8	68.3	56.9
22-Feb-09	16:46:00	64.3	66.7	57.8
22-Feb-09	16:51:00	63.6	66.0	58.7
22-Feb-09	16:56:00	62.2	65.1	58.0
22-Feb-09	17:01:00	63.6	66.8	58.7
22-Feb-09	17:06:00	63.0	66.1	58.3
22-Feb-09	17:11:00	63.1	66.7	57.4
22-Feb-09	17:16:00	63.0	66.1	57.5
22-Feb-09	17:21:00	62.8	65.5	59.0
22-Feb-09	17:26:00	62.9	65.9	58.2
22-Feb-09	17:31:00	63.7	67.0	57.8
22-Feb-09	17:36:00	63.6	66.7	56.8
22-Feb-09	17:41:00	64.3	67.2	58.3
22-Feb-09	17:46:00	63.9	66.8	59.3
22-Feb-09	17:51:00	65.5	66.6	59.4
22-Feb-09	17:56:00	63.2	66.5	58.7
22-Feb-09	18:01:00	63.4	65.7	58.3
22-Feb-09	18:06:00	65.2	67.3	58.5
22-Feb-09	18:11:00	62.6	65.8	57.5
22-Feb-09	18:16:00	63.7	65.9	58.3
22-Feb-09	18:21:00	61.7	64.2	57.9
22-Feb-09	18:26:00	62.4	65.5	57.4
22-Feb-09	18:31:00	63.2	65.5	58.8
22-Feb-09	18:36:00	72.4	68.3	57.5
22-Feb-09	18:41:00	69.7	67.5	58.5
22-Feb-09	18:46:00	63.7	67.1	57.8
22-Feb-09	18:51:00	63.5	67.0	57.3
22-Feb-09	18:56:00	62.1	64.8	57.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	19:01:00	62.5	65.4	57.8
22-Feb-09	19:06:00	63.8	67.6	58.6
22-Feb-09	19:11:00	62.5	65.2	57.0
22-Feb-09	19:16:00	63.1	65.9	56.6
22-Feb-09	19:21:00	62.5	65.2	57.5
22-Feb-09	19:26:00	63.0	66.1	58.1
22-Feb-09	19:31:00	63.0	66.2	57.9
22-Feb-09	19:36:00	63.4	66.5	58.6
22-Feb-09	19:41:00	65.5	68.1	58.6
22-Feb-09	19:46:00	64.0	65.9	58.9
22-Feb-09	19:51:00	62.8	66.0	56.8
22-Feb-09	19:56:00	62.6	66.2	57.8
22-Feb-09	20:01:00	64.0	66.3	57.5
22-Feb-09	20:06:00	63.6	66.1	57.7
22-Feb-09	20:11:00	62.5	65.6	57.3
22-Feb-09	20:16:00	64.6	67.0	59.1
22-Feb-09	20:21:00	63.2	66.6	57.3
22-Feb-09	20:26:00	63.4	67.4	57.3
22-Feb-09	20:31:00	63.5	67.1	57.2
22-Feb-09	20:36:00	61.4	63.4	57.2
22-Feb-09	20:41:00	63.1	66.4	57.6
22-Feb-09	20:46:00	63.6	66.7	58.9
22-Feb-09	20:51:00	62.8	65.7	56.9
22-Feb-09	20:56:00	62.1	64.6	57.2
22-Feb-09	21:01:00	64.1	67.5	57.6
22-Feb-09	21:06:00	61.7	63.9	57.3
22-Feb-09	21:11:00	62.4	64.9	57.7
22-Feb-09	21:16:00	62.9	66.3	56.6
22-Feb-09	21:21:00	62.9	65.5	58.5
22-Feb-09	21:26:00	62.6	65.6	56.9
22-Feb-09	21:31:00	62.1	64.9	57.1
22-Feb-09	21:36:00	61.5	63.9	56.0
22-Feb-09	21:41:00	63.6	67.2	57.3
22-Feb-09	21:46:00	63.7	66.9	58.0
22-Feb-09	21:51:00	61.7	64.4	56.2
22-Feb-09	21:56:00	62.5	65.7	56.7
22-Feb-09	22:01:00	62.2	65.2	56.5
22-Feb-09	22:06:00	61.1	65.0	54.9
22-Feb-09	22:11:00	61.7	65.5	55.5
22-Feb-09	22:16:00	63.2	66.1	57.3
22-Feb-09	22:21:00	60.7	62.3	55.8
22-Feb-09	22:26:00	63.1	67.1	56.1
22-Feb-09	22:31:00	63.4	66.2	56.9
22-Feb-09	22:36:00	60.8	63.4	54.9
22-Feb-09	22:41:00	62.6	66.0	54.9
22-Feb-09	22:46:00	62.1	65.7	54.6
22-Feb-09	22:51:00	63.5	66.8	55.4
22-Feb-09	22:56:00	60.4	63.2	52.7

Mean 63.6 66.4 57.9  
Maximum 72.4 73.3 61.0  
Minimum 60.2 62.3 52.7

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
23-Feb-09	19:01:00	68.4	68.2	59.3
23-Feb-09	19:06:00	64.9	68.2	59.4
23-Feb-09	19:11:00	64.6	67.3	60.4
23-Feb-09	19:16:00	64.3	67.0	59.4
23-Feb-09	19:21:00	65.2	68.6	59.7
23-Feb-09	19:26:00	64.1	67.4	59.2
23-Feb-09	19:31:00	64.9	67.9	59.9
23-Feb-09	19:36:00	64.6	66.9	59.9
23-Feb-09	19:41:00	65.8	68.9	61.3
23-Feb-09	19:46:00	64.6	67.3	59.8
23-Feb-09	19:51:00	65.7	68.8	60.1
23-Feb-09	19:56:00	65.7	66.0	59.4
23-Feb-09	20:01:00	65.2	68.4	60.8
23-Feb-09	20:06:00	67.3	69.2	60.7
23-Feb-09	20:11:00	64.0	66.3	59.7
23-Feb-09	20:16:00	64.2	67.4	58.8
23-Feb-09	20:21:00	64.8	68.0	59.7
23-Feb-09	20:26:00	64.4	67.7	58.6
23-Feb-09	20:31:00	63.6	66.2	59.6
23-Feb-09	20:36:00	63.9	65.8	59.6
23-Feb-09	20:41:00	63.6	66.6	58.6
23-Feb-09	20:46:00	63.4	66.9	58.6
23-Feb-09	20:51:00	63.2	65.8	58.9
23-Feb-09	20:56:00	63.7	66.8	58.8
23-Feb-09	21:01:00	64.0	66.8	59.3
23-Feb-09	21:06:00	62.8	65.0	58.7
23-Feb-09	21:11:00	62.8	65.6	58.1
23-Feb-09	21:16:00	63.2	65.8	58.7
23-Feb-09	21:21:00	64.1	66.8	59.4
23-Feb-09	21:26:00	65.1	69.1	58.9
23-Feb-09	21:31:00	63.8	66.6	59.0
23-Feb-09	21:36:00	63.5	64.6	58.7
23-Feb-09	21:41:00	63.3	66.6	58.1
23-Feb-09	21:46:00	62.6	64.9	58.1
23-Feb-09	21:51:00	64.0	66.9	58.8
23-Feb-09	21:56:00	63.1	66.1	58.2
23-Feb-09	22:01:00	63.7	66.9	58.9
23-Feb-09	22:06:00	62.4	66.2	57.5
23-Feb-09	22:11:00	63.7	66.2	57.8
23-Feb-09	22:16:00	63.1	65.8	58.7
23-Feb-09	22:21:00	62.5	65.2	57.2
23-Feb-09	22:26:00	63.4	65.5	57.5
23-Feb-09	22:31:00	62.3	64.8	57.4
23-Feb-09	22:36:00	61.4	63.8	57.4
23-Feb-09	22:41:00	62.9	66.3	56.6
23-Feb-09	22:46:00	61.7	64.4	56.8
23-Feb-09	22:51:00	63.0	66.0	55.9
23-Feb-09	22:56:00	63.8	67.1	58.6

Mean 64.2 66.9 58.9  
 Maximum 68.4 69.2 61.3  
 Minimum 61.4 63.8 55.9

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
24-Feb-09	19:01:00	66.9	68.9	64.5
24-Feb-09	19:06:00	67.1	69.0	64.5
24-Feb-09	19:11:00	66.8	68.7	64.5
24-Feb-09	19:16:00	67.5	69.2	64.6
24-Feb-09	19:21:00	67.1	69.5	64.3
24-Feb-09	19:26:00	68.1	70.9	64.4
24-Feb-09	19:31:00	70.2	71.3	64.4
24-Feb-09	19:36:00	66.2	68.0	63.9
24-Feb-09	19:41:00	67.3	69.5	64.6
24-Feb-09	19:46:00	66.6	68.4	64.3
24-Feb-09	19:51:00	66.5	68.4	63.6
24-Feb-09	19:56:00	66.7	68.5	64.4
24-Feb-09	20:01:00	66.2	67.7	63.8
24-Feb-09	20:06:00	66.3	68.3	63.8
24-Feb-09	20:11:00	66.4	68.0	63.7
24-Feb-09	20:16:00	66.0	67.1	63.5
24-Feb-09	20:21:00	66.1	68.0	63.7
24-Feb-09	20:26:00	66.5	68.9	63.8
24-Feb-09	20:31:00	65.9	67.9	63.5
24-Feb-09	20:36:00	65.8	67.8	63.6
24-Feb-09	20:41:00	66.4	68.1	64.0
24-Feb-09	20:46:00	65.9	67.1	63.6
24-Feb-09	20:51:00	66.1	68.5	63.6
24-Feb-09	20:56:00	68.0	68.8	63.4
24-Feb-09	21:01:00	66.0	68.1	63.5
24-Feb-09	21:06:00	66.0	68.5	63.6
24-Feb-09	21:11:00	65.5	67.7	62.8
24-Feb-09	21:16:00	66.1	68.1	63.6
24-Feb-09	21:21:00	65.4	67.0	63.5
24-Feb-09	21:26:00	65.4	67.0	63.4
24-Feb-09	21:31:00	65.6	67.9	63.3
24-Feb-09	21:36:00	67.8	68.9	63.9
24-Feb-09	21:41:00	64.6	66.7	61.3
24-Feb-09	21:46:00	63.3	65.4	58.8
24-Feb-09	21:51:00	64.2	68.0	59.0
24-Feb-09	21:56:00	63.7	65.8	57.3
24-Feb-09	22:01:00	63.3	65.2	57.4
24-Feb-09	22:06:00	63.3	66.1	57.4
24-Feb-09	22:11:00	62.0	64.8	55.5
24-Feb-09	22:16:00	63.4	66.5	57.3
24-Feb-09	22:21:00	62.0	65.0	55.9
24-Feb-09	22:26:00	62.4	64.2	57.0
24-Feb-09	22:31:00	62.5	65.9	55.1
24-Feb-09	22:36:00	63.0	66.4	58.1
24-Feb-09	22:41:00	61.7	65.4	55.5
24-Feb-09	22:46:00	61.5	64.9	55.0
24-Feb-09	22:51:00	63.4	66.1	57.7
24-Feb-09	22:56:00	62.4	65.8	55.5

Mean 65.8 67.8 62.6  
 Maximum 70.2 71.3 64.6  
 Minimum 61.5 64.2 55.0

Evening Time and Holiday Noise Level at Hong Kong Institute of Technology (NC17)			
	Leq	L10	L90
Mean	63.9	66.6	58.9
Max	73.4	74.6	64.6
Min	59.4	61.9	52.7

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
11-Feb-09	19:02:00	63.3	66.2	59.9
11-Feb-09	19:07:00	61.8	64.4	58.6
11-Feb-09	19:12:00	62.5	64.9	58.6
11-Feb-09	19:17:00	62.9	65.7	59.1
11-Feb-09	19:22:00	62.6	65.0	59.3
11-Feb-09	19:27:00	64.1	67.2	59.6
11-Feb-09	19:32:00	62.7	64.8	59.1
11-Feb-09	19:37:00	63.1	65.9	59.0
11-Feb-09	19:42:00	63.6	66.1	59.1
11-Feb-09	19:47:00	63.0	65.4	59.2
11-Feb-09	19:52:00	64.0	66.9	59.1
11-Feb-09	19:57:00	64.3	68.0	59.5
11-Feb-09	20:02:00	64.9	66.8	60.5
11-Feb-09	20:07:00	62.1	64.2	59.4
11-Feb-09	20:12:00	65.9	67.8	59.3
11-Feb-09	20:17:00	63.0	65.8	59.1
11-Feb-09	20:22:00	62.4	64.3	58.9
11-Feb-09	20:27:00	64.6	66.7	59.3
11-Feb-09	20:32:00	62.2	65.4	58.3
11-Feb-09	20:37:00	62.4	64.5	58.7
11-Feb-09	20:42:00	61.5	64.4	58.3
11-Feb-09	20:47:00	62.8	65.0	59.0
11-Feb-09	20:52:00	62.5	66.0	58.3
11-Feb-09	20:57:00	64.3	66.6	58.3
11-Feb-09	21:02:00	62.4	65.1	57.6
11-Feb-09	21:07:00	63.8	66.1	58.7
11-Feb-09	21:12:00	61.6	64.3	57.6
11-Feb-09	21:17:00	62.0	64.7	58.4
11-Feb-09	21:22:00	63.7	67.4	58.7
11-Feb-09	21:27:00	63.2	66.0	58.4
11-Feb-09	21:32:00	62.3	64.6	58.5
11-Feb-09	21:37:00	62.9	65.7	58.4
11-Feb-09	21:42:00	62.0	64.9	57.3
11-Feb-09	21:47:00	62.7	65.9	58.1
11-Feb-09	21:52:00	62.2	65.4	58.1
11-Feb-09	21:57:00	61.9	64.3	58.4
11-Feb-09	22:02:00	64.1	67.1	58.6
11-Feb-09	22:07:00	61.5	64.8	56.4
11-Feb-09	22:12:00	61.7	64.4	56.4
11-Feb-09	22:17:00	63.3	66.5	57.2
11-Feb-09	22:22:00	62.6	65.4	57.0
11-Feb-09	22:27:00	62.7	65.6	57.4
11-Feb-09	22:32:00	61.4	64.2	56.6
11-Feb-09	22:37:00	62.8	65.7	57.5
11-Feb-09	22:42:00	61.2	63.9	56.6
11-Feb-09	22:47:00	62.2	64.4	56.7
11-Feb-09	22:52:00	63.1	66.3	56.9
11-Feb-09	22:57:00	60.9	63.6	55.5

Mean 62.9 65.6 58.4  
 Maximum 65.9 68.0 60.5  
 Minimum 60.9 63.6 55.5

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
12-Feb-09	19:02:00	64.4	66.0	59.4
12-Feb-09	19:07:00	65.6	66.1	60.8
12-Feb-09	19:12:00	66.9	66.3	59.8
12-Feb-09	19:17:00	63.7	65.8	60.9
12-Feb-09	19:22:00	63.5	65.9	59.6
12-Feb-09	19:27:00	63.5	66.6	59.6
12-Feb-09	19:32:00	64.4	65.4	59.5
12-Feb-09	19:37:00	66.2	69.4	60.4
12-Feb-09	19:42:00	63.9	66.0	59.4
12-Feb-09	19:47:00	63.2	66.1	59.5
12-Feb-09	19:52:00	63.5	66.2	59.4
12-Feb-09	19:57:00	62.9	65.1	59.1
12-Feb-09	20:02:00	64.9	67.5	59.6
12-Feb-09	20:07:00	62.8	65.3	58.4
12-Feb-09	20:12:00	62.5	65.1	58.5
12-Feb-09	20:17:00	62.2	64.6	59.1
12-Feb-09	20:22:00	62.2	64.4	59.2
12-Feb-09	20:27:00	62.4	65.1	59.2
12-Feb-09	20:32:00	62.4	64.6	58.3
12-Feb-09	20:37:00	62.9	66.1	59.2
12-Feb-09	20:42:00	61.8	64.2	58.3
12-Feb-09	20:47:00	64.2	67.1	58.5
12-Feb-09	20:52:00	62.6	64.8	58.5
12-Feb-09	20:57:00	63.1	65.0	58.4
12-Feb-09	21:02:00	62.4	64.9	58.4
12-Feb-09	21:07:00	63.2	65.8	58.7
12-Feb-09	21:12:00	62.8	64.8	58.5
12-Feb-09	21:17:00	62.1	64.4	58.5
12-Feb-09	21:22:00	62.4	64.4	58.5
12-Feb-09	21:27:00	69.5	67.6	60.2
12-Feb-09	21:32:00	64.9	66.0	61.0
12-Feb-09	21:37:00	63.8	65.8	61.1
12-Feb-09	21:42:00	61.6	62.9	60.1
12-Feb-09	21:47:00	63.2	65.6	60.1
12-Feb-09	21:52:00	62.6	65.6	59.4
12-Feb-09	21:57:00	63.6	66.5	58.9
12-Feb-09	22:02:00	63.5	66.8	59.3
12-Feb-09	22:07:00	62.2	64.2	58.7
12-Feb-09	22:12:00	62.1	64.8	57.7
12-Feb-09	22:17:00	62.0	64.7	57.7
12-Feb-09	22:22:00	62.1	65.5	57.8
12-Feb-09	22:27:00	62.4	65.4	57.8
12-Feb-09	22:32:00	63.7	67.7	58.2
12-Feb-09	22:37:00	61.1	63.7	57.7
12-Feb-09	22:42:00	61.5	63.9	58.0
12-Feb-09	22:47:00	63.3	66.5	58.9
12-Feb-09	22:52:00	62.7	64.6	58.6
12-Feb-09	22:57:00	61.0	63.2	57.5

Mean 63.6 65.7 59.1  
 Maximum 69.5 69.4 61.1  
 Minimum 61.0 62.9 57.5

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
13-Feb-09	19:02:00	63.5	66.1	60.0
13-Feb-09	19:07:00	63.1	66.0	59.2
13-Feb-09	19:12:00	62.9	65.8	59.1
13-Feb-09	19:17:00	62.8	64.9	59.5
13-Feb-09	19:22:00	62.3	64.6	58.5
13-Feb-09	19:27:00	64.3	68.0	59.1
13-Feb-09	19:32:00	62.8	65.3	59.2
13-Feb-09	19:37:00	62.1	64.1	59.1
13-Feb-09	19:42:00	62.6	66.0	58.4
13-Feb-09	19:47:00	63.2	66.0	59.7
13-Feb-09	19:52:00	62.8	65.9	58.5
13-Feb-09	19:57:00	62.8	65.0	58.5
13-Feb-09	20:02:00	63.3	66.2	59.2
13-Feb-09	20:07:00	64.0	66.9	59.1
13-Feb-09	20:12:00	62.2	64.1	58.4
13-Feb-09	20:17:00	62.5	64.6	58.3
13-Feb-09	20:22:00	62.8	65.1	57.6
13-Feb-09	20:27:00	62.1	64.4	58.3
13-Feb-09	20:32:00	63.5	65.9	59.6
13-Feb-09	20:37:00	62.7	65.7	58.7
13-Feb-09	20:42:00	61.9	64.0	58.3
13-Feb-09	20:47:00	64.6	67.9	59.3
13-Feb-09	20:52:00	61.7	63.9	58.3
13-Feb-09	20:57:00	63.2	66.1	58.2
13-Feb-09	21:02:00	61.9	64.5	57.3
13-Feb-09	21:07:00	64.4	67.2	58.4
13-Feb-09	21:12:00	61.9	64.1	58.7
13-Feb-09	21:17:00	62.4	64.9	58.5
13-Feb-09	21:22:00	62.5	65.4	58.2
13-Feb-09	21:27:00	60.8	63.0	57.4
13-Feb-09	21:32:00	63.1	66.4	58.7
13-Feb-09	21:37:00	65.0	66.6	58.4
13-Feb-09	21:42:00	62.5	64.8	58.3
13-Feb-09	21:47:00	62.8	65.3	57.6
13-Feb-09	21:52:00	62.5	64.6	56.9
13-Feb-09	21:57:00	61.6	64.3	57.3
13-Feb-09	22:02:00	61.4	64.2	56.8
13-Feb-09	22:07:00	63.4	67.1	57.1
13-Feb-09	22:12:00	62.6	64.1	57.3
13-Feb-09	22:17:00	62.5	65.2	57.8
13-Feb-09	22:22:00	61.6	63.5	57.4
13-Feb-09	22:27:00	60.8	63.5	57.1
13-Feb-09	22:32:00	62.6	64.9	57.3
13-Feb-09	22:37:00	63.0	66.0	57.6
13-Feb-09	22:42:00	62.2	64.8	57.0
13-Feb-09	22:47:00	63.5	67.0	58.3
13-Feb-09	22:52:00	61.0	63.9	57.1
13-Feb-09	22:57:00	61.0	63.5	56.6

Mean 62.7 65.4 58.3  
 Maximum 65.0 68.0 60.0  
 Minimum 60.8 63.0 56.6

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
14-Feb-09	19:02:00	62.3	65.1	58.4
14-Feb-09	19:07:00	61.9	64.1	58.6
14-Feb-09	19:12:00	63.3	66.2	58.5
14-Feb-09	19:17:00	62.1	64.9	58.1
14-Feb-09	19:22:00	61.6	63.6	57.4
14-Feb-09	19:27:00	63.1	66.1	57.9
14-Feb-09	19:32:00	62.2	65.4	57.7
14-Feb-09	19:37:00	61.7	63.0	58.2
14-Feb-09	19:42:00	61.5	64.0	57.9
14-Feb-09	19:47:00	63.5	66.7	58.2
14-Feb-09	19:52:00	62.7	65.9	58.2
14-Feb-09	19:57:00	62.0	64.8	58.0
14-Feb-09	20:02:00	62.3	65.1	58.1
14-Feb-09	20:07:00	62.2	65.4	57.5
14-Feb-09	20:12:00	62.3	65.0	57.6
14-Feb-09	20:17:00	62.4	64.6	57.3
14-Feb-09	20:22:00	62.2	65.1	57.4
14-Feb-09	20:27:00	62.5	65.7	57.9
14-Feb-09	20:32:00	62.3	64.0	58.2
14-Feb-09	20:37:00	62.3	65.0	58.1
14-Feb-09	20:42:00	63.0	66.1	57.7
14-Feb-09	20:47:00	61.1	64.0	57.5
14-Feb-09	20:52:00	62.4	66.1	57.5
14-Feb-09	20:57:00	61.5	64.1	57.0
14-Feb-09	21:02:00	61.6	65.4	57.3
14-Feb-09	21:07:00	61.9	64.9	57.1
14-Feb-09	21:12:00	61.8	63.0	57.2
14-Feb-09	21:17:00	60.8	62.9	56.7
14-Feb-09	21:22:00	62.3	65.2	57.2
14-Feb-09	21:27:00	63.2	66.5	57.6
14-Feb-09	21:32:00	61.9	64.6	56.9
14-Feb-09	21:37:00	62.2	65.8	57.2
14-Feb-09	21:42:00	62.9	65.5	57.7
14-Feb-09	21:47:00	61.6	65.4	56.6
14-Feb-09	21:52:00	61.3	64.3	57.5
14-Feb-09	21:57:00	62.0	65.2	57.1
14-Feb-09	22:02:00	63.9	66.9	58.1
14-Feb-09	22:07:00	65.3	66.2	57.7
14-Feb-09	22:12:00	61.0	64.2	56.4
14-Feb-09	22:17:00	60.8	63.1	56.2
14-Feb-09	22:22:00	62.0	64.5	56.5
14-Feb-09	22:27:00	62.2	65.2	56.8
14-Feb-09	22:32:00	61.1	64.1	56.1
14-Feb-09	22:37:00	61.4	65.0	56.3
14-Feb-09	22:42:00	61.6	64.7	56.6
14-Feb-09	22:47:00	63.6	66.0	57.5
14-Feb-09	22:52:00	61.1	63.6	56.7
14-Feb-09	22:57:00	62.1	65.6	56.3

Mean 62.3 65.1 57.5  
 Maximum 65.3 66.9 58.6  
 Minimum 60.8 62.9 56.1

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	07:02:00	61.7	64.9	56.2
15-Feb-09	07:07:00	60.4	63.5	55.7
15-Feb-09	07:12:00	61.4	64.4	55.0
15-Feb-09	07:17:00	59.9	62.8	56.0
15-Feb-09	07:22:00	60.8	63.1	55.8
15-Feb-09	07:27:00	62.2	65.8	56.5
15-Feb-09	07:32:00	60.1	62.6	55.6
15-Feb-09	07:37:00	61.2	64.2	56.1
15-Feb-09	07:42:00	61.2	64.0	56.2
15-Feb-09	07:47:00	60.7	63.2	56.0
15-Feb-09	07:52:00	62.2	65.6	57.6
15-Feb-09	07:57:00	61.9	65.0	57.3
15-Feb-09	08:02:00	61.0	63.3	56.2
15-Feb-09	08:07:00	62.6	65.8	57.2
15-Feb-09	08:12:00	61.0	62.9	57.4
15-Feb-09	08:17:00	61.7	65.0	57.1
15-Feb-09	08:22:00	61.7	65.3	57.2
15-Feb-09	08:27:00	61.8	64.4	56.7
15-Feb-09	08:32:00	61.5	63.9	57.5
15-Feb-09	08:37:00	62.0	64.6	57.6
15-Feb-09	08:42:00	61.1	63.7	56.8
15-Feb-09	08:47:00	61.8	65.4	56.4
15-Feb-09	08:52:00	61.2	64.2	56.7
15-Feb-09	08:57:00	63.1	66.0	56.6
15-Feb-09	09:02:00	61.7	64.7	57.4
15-Feb-09	09:07:00	62.9	66.7	57.2
15-Feb-09	09:12:00	61.4	64.7	57.4
15-Feb-09	09:17:00	61.9	64.7	58.2
15-Feb-09	09:22:00	60.4	62.8	56.9
15-Feb-09	09:27:00	61.3	64.6	57.4
15-Feb-09	09:32:00	62.2	65.1	58.5
15-Feb-09	09:37:00	62.4	64.5	58.6
15-Feb-09	09:42:00	62.7	65.8	57.3
15-Feb-09	09:47:00	63.1	66.1	57.9
15-Feb-09	09:52:00	62.8	66.6	57.4
15-Feb-09	09:57:00	61.9	64.6	57.8
15-Feb-09	10:02:00	63.3	65.6	58.5
15-Feb-09	10:07:00	63.4	66.4	58.3
15-Feb-09	10:12:00	62.1	64.3	57.6
15-Feb-09	10:17:00	62.5	65.3	58.1
15-Feb-09	10:22:00	61.1	64.1	57.2
15-Feb-09	10:27:00	61.3	64.5	57.3
15-Feb-09	10:32:00	63.1	66.1	58.7
15-Feb-09	10:37:00	62.1	65.0	58.1
15-Feb-09	10:42:00	62.0	65.4	57.8
15-Feb-09	10:47:00	62.5	65.3	57.5
15-Feb-09	10:52:00	63.2	66.1	59.2
15-Feb-09	10:57:00	62.7	65.7	58.6

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	11:02:00	63.3	66.3	59.7
15-Feb-09	11:07:00	63.3	66.5	60.0
15-Feb-09	11:12:00	62.9	65.9	59.2
15-Feb-09	11:17:00	63.1	65.7	57.8
15-Feb-09	11:22:00	62.1	64.6	58.4
15-Feb-09	11:27:00	62.3	64.1	58.3
15-Feb-09	11:32:00	64.4	68.1	59.5
15-Feb-09	11:37:00	64.9	66.2	59.8
15-Feb-09	11:42:00	62.1	64.0	58.7
15-Feb-09	11:47:00	63.6	66.4	59.0
15-Feb-09	11:52:00	60.9	63.0	58.4
15-Feb-09	11:57:00	63.8	67.5	58.2
15-Feb-09	12:02:00	61.9	64.8	58.2
15-Feb-09	12:07:00	62.9	66.5	58.0
15-Feb-09	12:12:00	62.1	64.6	58.8
15-Feb-09	12:17:00	62.5	65.4	58.1
15-Feb-09	12:22:00	61.2	63.2	57.5
15-Feb-09	12:27:00	62.2	65.0	57.5
15-Feb-09	12:32:00	62.1	64.5	57.7
15-Feb-09	12:37:00	62.1	64.9	57.8
15-Feb-09	12:42:00	63.8	67.1	59.5
15-Feb-09	12:47:00	62.7	66.0	58.6
15-Feb-09	12:52:00	62.9	65.7	57.9
15-Feb-09	12:57:00	62.4	65.1	57.8
15-Feb-09	13:02:00	61.6	64.0	58.0
15-Feb-09	13:07:00	63.6	66.5	58.6
15-Feb-09	13:12:00	61.8	64.5	57.2
15-Feb-09	13:17:00	61.6	63.9	57.6
15-Feb-09	13:22:00	60.1	62.6	57.2
15-Feb-09	13:27:00	63.0	66.8	57.7
15-Feb-09	13:32:00	61.9	64.8	57.5
15-Feb-09	13:37:00	62.5	65.0	58.2
15-Feb-09	13:42:00	62.2	65.0	57.7
15-Feb-09	13:47:00	63.1	66.3	58.2
15-Feb-09	13:52:00	62.6	64.9	59.2
15-Feb-09	13:57:00	61.7	63.6	57.4
15-Feb-09	14:02:00	63.0	66.3	58.4
15-Feb-09	14:07:00	63.2	65.9	58.1
15-Feb-09	14:12:00	62.0	65.3	57.5
15-Feb-09	14:17:00	61.8	64.0	57.4
15-Feb-09	14:22:00	61.9	64.7	57.5
15-Feb-09	14:27:00	62.6	64.8	57.6
15-Feb-09	14:32:00	62.5	65.9	57.7
15-Feb-09	14:37:00	62.4	65.0	57.8
15-Feb-09	14:42:00	62.1	65.1	57.4
15-Feb-09	14:47:00	62.7	66.0	57.4
15-Feb-09	14:52:00	61.9	64.4	57.6
15-Feb-09	14:57:00	61.8	63.6	58.5

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	15:02:00	60.9	64.0	56.8
15-Feb-09	15:07:00	63.5	67.6	57.3
15-Feb-09	15:12:00	62.0	65.2	57.6
15-Feb-09	15:17:00	61.6	64.8	56.8
15-Feb-09	15:22:00	61.7	64.3	57.9
15-Feb-09	15:27:00	63.1	66.9	58.1
15-Feb-09	15:32:00	63.6	65.9	58.2
15-Feb-09	15:37:00	61.2	63.6	58.0
15-Feb-09	15:42:00	64.7	67.1	58.3
15-Feb-09	15:47:00	62.5	64.9	58.3
15-Feb-09	15:52:00	62.8	65.5	58.2
15-Feb-09	15:57:00	67.3	69.2	57.9
15-Feb-09	16:02:00	61.8	64.3	57.5
15-Feb-09	16:07:00	62.0	65.6	58.3
15-Feb-09	16:12:00	60.8	62.9	58.2
15-Feb-09	16:17:00	64.4	65.1	57.8
15-Feb-09	16:22:00	62.3	65.2	57.3
15-Feb-09	16:27:00	63.0	66.4	58.2
15-Feb-09	16:32:00	62.2	65.2	57.8
15-Feb-09	16:37:00	61.4	63.7	56.8
15-Feb-09	16:42:00	61.8	63.9	57.2
15-Feb-09	16:47:00	61.9	65.9	57.3
15-Feb-09	16:52:00	62.1	64.7	57.8
15-Feb-09	16:57:00	61.4	64.0	57.5
15-Feb-09	17:02:00	64.0	67.5	58.3
15-Feb-09	17:07:00	62.7	64.2	58.2
15-Feb-09	17:12:00	63.4	66.6	59.0
15-Feb-09	17:17:00	61.2	63.4	57.6
15-Feb-09	17:22:00	63.5	65.9	57.6
15-Feb-09	17:27:00	63.2	65.3	58.2
15-Feb-09	17:32:00	66.6	66.5	58.3
15-Feb-09	17:37:00	63.9	67.2	57.5
15-Feb-09	17:42:00	62.8	65.6	58.2
15-Feb-09	17:47:00	61.8	64.4	58.2
15-Feb-09	17:52:00	63.3	65.7	59.2
15-Feb-09	17:57:00	62.0	64.6	58.3
15-Feb-09	18:02:00	62.5	65.8	58.2
15-Feb-09	18:07:00	64.2	67.2	58.9
15-Feb-09	18:12:00	60.4	63.0	57.3
15-Feb-09	18:17:00	62.1	64.9	58.2
15-Feb-09	18:22:00	62.7	64.8	57.6
15-Feb-09	18:27:00	62.2	65.4	57.6
15-Feb-09	18:32:00	61.6	64.6	57.8
15-Feb-09	18:37:00	62.1	65.1	57.9
15-Feb-09	18:42:00	62.4	64.9	58.4
15-Feb-09	18:47:00	61.6	64.4	57.2
15-Feb-09	18:52:00	63.0	66.1	57.4
15-Feb-09	18:57:00	62.5	65.9	56.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
15-Feb-09	19:02:00	62.0	64.1	57.2
15-Feb-09	19:07:00	61.8	64.5	58.1
15-Feb-09	19:12:00	61.6	64.6	56.9
15-Feb-09	19:17:00	60.1	62.4	56.4
15-Feb-09	19:22:00	62.7	65.9	57.8
15-Feb-09	19:27:00	63.0	66.7	57.2
15-Feb-09	19:32:00	61.8	64.6	57.1
15-Feb-09	19:37:00	62.9	66.6	57.2
15-Feb-09	19:42:00	60.7	63.1	56.4
15-Feb-09	19:47:00	63.7	66.9	57.5
15-Feb-09	19:52:00	62.3	65.6	57.2
15-Feb-09	19:57:00	61.6	62.9	57.2
15-Feb-09	20:02:00	62.3	64.8	58.0
15-Feb-09	20:07:00	63.3	66.8	57.9
15-Feb-09	20:12:00	62.2	64.9	57.9
15-Feb-09	20:17:00	62.6	66.1	58.0
15-Feb-09	20:22:00	63.9	65.5	57.2
15-Feb-09	20:27:00	63.1	65.1	56.4
15-Feb-09	20:32:00	62.6	65.9	57.7
15-Feb-09	20:37:00	61.5	64.0	57.3
15-Feb-09	20:42:00	62.5	65.4	57.1
15-Feb-09	20:47:00	62.3	66.1	57.1
15-Feb-09	20:52:00	62.9	65.0	57.5
15-Feb-09	20:57:00	62.0	65.6	56.8
15-Feb-09	21:02:00	62.0	64.3	57.8
15-Feb-09	21:07:00	62.5	64.9	57.1
15-Feb-09	21:12:00	61.1	64.0	56.5
15-Feb-09	21:17:00	63.3	64.1	56.3
15-Feb-09	21:22:00	62.1	64.8	57.9
15-Feb-09	21:27:00	61.4	63.6	56.6
15-Feb-09	21:32:00	63.4	66.0	57.8
15-Feb-09	21:37:00	62.4	65.4	57.3
15-Feb-09	21:42:00	60.2	63.0	56.8
15-Feb-09	21:47:00	62.1	65.3	57.6
15-Feb-09	21:52:00	61.8	65.2	56.8
15-Feb-09	21:57:00	60.1	63.2	56.2
15-Feb-09	22:02:00	61.4	65.3	56.6
15-Feb-09	22:07:00	62.1	65.0	56.3
15-Feb-09	22:12:00	60.4	63.4	56.1
15-Feb-09	22:17:00	62.2	65.2	56.9
15-Feb-09	22:22:00	61.6	64.3	56.6
15-Feb-09	22:27:00	61.1	64.1	57.2
15-Feb-09	22:32:00	60.5	63.4	56.1
15-Feb-09	22:37:00	60.5	63.1	55.5
15-Feb-09	22:42:00	61.5	64.6	55.8
15-Feb-09	22:47:00	61.3	64.9	56.0
15-Feb-09	22:52:00	61.1	64.9	55.5
15-Feb-09	22:57:00	60.0	63.3	55.0

Mean 62.4 65.2 57.6  
Maximum 67.3 69.2 60.0  
Minimum 59.9 62.4 55.0

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
16-Feb-09	19:02:00	62.0	64.7	58.9
16-Feb-09	19:07:00	64.1	66.9	59.5
16-Feb-09	19:12:00	61.7	64.4	58.3
16-Feb-09	19:17:00	62.4	64.3	58.4
16-Feb-09	19:22:00	63.0	66.2	58.3
16-Feb-09	19:27:00	63.1	66.0	58.7
16-Feb-09	19:32:00	64.6	67.2	60.3
16-Feb-09	19:37:00	63.9	66.1	59.6
16-Feb-09	19:42:00	63.0	64.8	59.6
16-Feb-09	19:47:00	62.6	64.6	58.6
16-Feb-09	19:52:00	63.8	66.6	59.4
16-Feb-09	19:57:00	62.7	65.0	58.1
16-Feb-09	20:02:00	62.5	64.9	58.4
16-Feb-09	20:07:00	61.5	63.4	58.5
16-Feb-09	20:12:00	62.5	66.1	57.9
16-Feb-09	20:17:00	63.3	66.0	58.9
16-Feb-09	20:22:00	62.2	65.0	58.1
16-Feb-09	20:27:00	60.8	62.9	57.1
16-Feb-09	20:32:00	62.5	65.5	58.2
16-Feb-09	20:37:00	61.6	63.9	57.6
16-Feb-09	20:42:00	62.7	65.3	58.5
16-Feb-09	20:47:00	62.6	65.4	58.8
16-Feb-09	20:52:00	62.8	65.7	58.6
16-Feb-09	20:57:00	62.7	65.0	58.3
16-Feb-09	21:02:00	61.3	63.6	58.4
16-Feb-09	21:07:00	62.9	66.5	58.3
16-Feb-09	21:12:00	60.4	62.3	57.9
16-Feb-09	21:17:00	61.7	65.0	58.0
16-Feb-09	21:22:00	61.8	64.6	57.8
16-Feb-09	21:27:00	62.6	65.7	57.9
16-Feb-09	21:32:00	61.3	63.5	57.1
16-Feb-09	21:37:00	61.5	64.2	57.8
16-Feb-09	21:42:00	61.7	65.1	57.4
16-Feb-09	21:47:00	61.5	64.3	57.5
16-Feb-09	21:52:00	61.2	63.5	57.3
16-Feb-09	21:57:00	61.2	63.2	57.3
16-Feb-09	22:02:00	62.0	64.4	58.5
16-Feb-09	22:07:00	61.4	63.9	57.1
16-Feb-09	22:12:00	62.2	64.6	57.0
16-Feb-09	22:17:00	61.4	64.3	57.2
16-Feb-09	22:22:00	61.6	63.9	56.7
16-Feb-09	22:27:00	61.2	64.8	56.4
16-Feb-09	22:32:00	61.9	65.7	56.2
16-Feb-09	22:37:00	60.3	62.0	56.4
16-Feb-09	22:42:00	60.8	63.3	56.5
16-Feb-09	22:47:00	62.1	64.8	57.2
16-Feb-09	22:52:00	62.3	65.4	57.5
16-Feb-09	22:57:00	59.9	61.9	56.2

Mean 62.2 64.9 58.1  
 Maximum 64.6 67.2 60.3  
 Minimum 59.9 61.9 56.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
17-Feb-09	19:02:00	63.2	65.8	59.1
17-Feb-09	19:07:00	62.3	65.1	58.4
17-Feb-09	19:12:00	64.0	67.4	58.4
17-Feb-09	19:17:00	62.2	64.6	58.4
17-Feb-09	19:22:00	63.8	67.1	59.5
17-Feb-09	19:27:00	63.5	66.4	59.0
17-Feb-09	19:32:00	63.6	66.4	59.6
17-Feb-09	19:37:00	62.2	64.5	58.4
17-Feb-09	19:42:00	65.3	67.4	59.1
17-Feb-09	19:47:00	62.8	65.0	58.2
17-Feb-09	19:52:00	64.4	67.1	59.7
17-Feb-09	19:57:00	64.1	66.2	58.8
17-Feb-09	20:02:00	62.8	65.6	58.5
17-Feb-09	20:07:00	63.7	65.6	57.9
17-Feb-09	20:12:00	62.6	65.7	58.4
17-Feb-09	20:17:00	62.6	65.5	57.6
17-Feb-09	20:22:00	62.3	64.7	58.4
17-Feb-09	20:27:00	62.9	65.6	58.8
17-Feb-09	20:32:00	61.8	64.5	57.7
17-Feb-09	20:37:00	61.6	64.5	57.6
17-Feb-09	20:42:00	61.7	64.0	58.3
17-Feb-09	20:47:00	63.3	66.2	58.7
17-Feb-09	20:52:00	62.5	64.9	58.3
17-Feb-09	20:57:00	60.7	63.0	57.6
17-Feb-09	21:02:00	62.3	65.2	57.8
17-Feb-09	21:07:00	61.8	64.3	57.8
17-Feb-09	21:12:00	62.0	64.4	58.0
17-Feb-09	21:17:00	63.9	67.6	58.6
17-Feb-09	21:22:00	63.6	66.4	58.4
17-Feb-09	21:27:00	60.6	62.4	57.7
17-Feb-09	21:32:00	61.8	64.8	57.3
17-Feb-09	21:37:00	61.3	63.5	57.7
17-Feb-09	21:42:00	62.5	65.4	57.8
17-Feb-09	21:47:00	62.8	65.6	58.9
17-Feb-09	21:52:00	61.7	65.1	57.4
17-Feb-09	21:57:00	61.5	64.9	57.4
17-Feb-09	22:02:00	62.0	64.6	57.4
17-Feb-09	22:07:00	61.6	64.0	57.6
17-Feb-09	22:12:00	60.8	63.6	56.4
17-Feb-09	22:17:00	62.3	65.1	58.0
17-Feb-09	22:22:00	60.4	62.8	56.8
17-Feb-09	22:27:00	61.0	63.7	57.0
17-Feb-09	22:32:00	60.8	64.2	56.1
17-Feb-09	22:37:00	61.7	64.4	56.5
17-Feb-09	22:42:00	60.4	62.9	55.7
17-Feb-09	22:47:00	62.5	65.6	57.8
17-Feb-09	22:52:00	61.0	63.2	57.7
17-Feb-09	22:57:00	62.9	65.7	57.0

Mean 62.5 65.2 58.1  
 Maximum 65.3 67.6 59.7  
 Minimum 60.4 62.4 55.7



**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
18-Feb-09	19:02:00	64.9	67.3	59.4
18-Feb-09	19:07:00	63.5	66.4	59.6
18-Feb-09	19:12:00	63.6	66.6	60.2
18-Feb-09	19:17:00	62.1	64.8	58.9
18-Feb-09	19:22:00	62.8	65.3	58.9
18-Feb-09	19:27:00	63.2	66.1	59.4
18-Feb-09	19:32:00	62.9	65.4	59.6
18-Feb-09	19:37:00	64.5	67.6	59.9
18-Feb-09	19:42:00	63.0	65.2	59.4
18-Feb-09	19:47:00	63.4	66.3	59.3
18-Feb-09	19:52:00	63.9	66.5	59.4
18-Feb-09	19:57:00	63.3	65.8	59.5
18-Feb-09	20:02:00	64.3	67.3	59.4
18-Feb-09	20:07:00	64.7	68.4	59.8
18-Feb-09	20:12:00	65.3	67.2	60.8
18-Feb-09	20:17:00	62.4	64.6	59.7
18-Feb-09	20:22:00	66.3	68.2	59.6
18-Feb-09	20:27:00	63.3	66.2	59.4
18-Feb-09	20:32:00	62.7	64.7	59.2
18-Feb-09	20:37:00	65.0	67.1	59.6
18-Feb-09	20:42:00	62.5	65.8	58.6
18-Feb-09	20:47:00	62.7	64.9	59.0
18-Feb-09	20:52:00	61.8	64.8	58.6
18-Feb-09	20:57:00	63.1	65.4	59.3
18-Feb-09	21:02:00	62.8	66.4	58.6
18-Feb-09	21:07:00	64.7	67.0	58.6
18-Feb-09	21:12:00	62.7	65.5	57.9
18-Feb-09	21:17:00	64.1	66.5	59.0
18-Feb-09	21:22:00	61.9	64.7	57.9
18-Feb-09	21:27:00	62.3	65.1	58.7
18-Feb-09	21:32:00	64.0	67.8	59.0
18-Feb-09	21:37:00	63.5	66.4	58.7
18-Feb-09	21:42:00	62.6	65.0	58.8
18-Feb-09	21:47:00	63.2	66.1	58.7
18-Feb-09	21:52:00	62.3	65.3	57.6
18-Feb-09	21:57:00	63.0	66.3	58.4
18-Feb-09	22:02:00	62.5	65.8	58.4
18-Feb-09	22:07:00	62.2	64.7	58.7
18-Feb-09	22:12:00	64.5	67.5	58.9
18-Feb-09	22:17:00	61.8	65.2	56.7
18-Feb-09	22:22:00	62.0	64.8	56.7
18-Feb-09	22:27:00	63.6	66.9	57.5
18-Feb-09	22:32:00	62.9	65.8	57.3
18-Feb-09	22:37:00	63.0	66.0	57.7
18-Feb-09	22:42:00	61.7	64.6	56.9
18-Feb-09	22:47:00	63.1	66.1	57.8
18-Feb-09	22:52:00	61.5	64.2	56.9
18-Feb-09	22:57:00	62.5	64.8	57.0

Mean 63.4 66.1 58.8  
 Maximum 66.3 68.4 60.8  
 Minimum 61.5 64.2 56.7

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
19-Feb-09	19:02:00	64.2	67.4	60.0
19-Feb-09	19:07:00	63.9	67.3	59.5
19-Feb-09	19:12:00	62.2	64.0	59.1
19-Feb-09	19:17:00	61.5	63.5	58.4
19-Feb-09	19:22:00	63.4	66.6	58.6
19-Feb-09	19:27:00	63.4	66.2	59.3
19-Feb-09	19:32:00	63.6	66.6	59.5
19-Feb-09	19:37:00	64.2	64.5	58.4
19-Feb-09	19:42:00	63.0	65.3	59.4
19-Feb-09	19:47:00	62.8	65.6	58.9
19-Feb-09	19:52:00	62.8	65.7	59.0
19-Feb-09	19:57:00	63.3	66.6	58.5
19-Feb-09	20:02:00	63.4	66.5	58.5
19-Feb-09	20:07:00	63.6	66.4	58.8
19-Feb-09	20:12:00	62.8	65.6	58.8
19-Feb-09	20:17:00	63.1	65.9	59.2
19-Feb-09	20:22:00	62.6	65.0	59.1
19-Feb-09	20:27:00	64.2	67.3	58.8
19-Feb-09	20:32:00	63.1	65.6	59.4
19-Feb-09	20:37:00	62.3	64.6	59.1
19-Feb-09	20:42:00	63.0	65.4	59.4
19-Feb-09	20:47:00	63.2	65.2	59.6
19-Feb-09	20:52:00	62.9	65.3	59.1
19-Feb-09	20:57:00	62.1	64.8	58.8
19-Feb-09	21:02:00	61.9	64.6	57.9
19-Feb-09	21:07:00	62.3	64.5	58.1
19-Feb-09	21:12:00	62.4	64.8	57.7
19-Feb-09	21:17:00	61.9	64.7	58.3
19-Feb-09	21:22:00	63.3	66.4	58.6
19-Feb-09	21:27:00	61.6	64.5	58.0
19-Feb-09	21:32:00	62.0	63.9	58.1
19-Feb-09	21:37:00	62.8	65.7	58.0
19-Feb-09	21:42:00	61.9	64.6	58.0
19-Feb-09	21:47:00	63.4	67.0	57.8
19-Feb-09	21:52:00	62.2	65.0	58.1
19-Feb-09	21:57:00	63.0	65.1	57.5
19-Feb-09	22:02:00	62.9	66.2	57.2
19-Feb-09	22:07:00	62.4	64.8	57.3
19-Feb-09	22:12:00	60.9	63.2	57.2
19-Feb-09	22:17:00	63.9	67.2	58.7
19-Feb-09	22:22:00	61.4	63.1	57.1
19-Feb-09	22:27:00	61.3	64.0	56.9
19-Feb-09	22:32:00	62.0	64.7	57.0
19-Feb-09	22:37:00	62.2	65.1	57.3
19-Feb-09	22:42:00	61.3	63.7	56.4
19-Feb-09	22:47:00	61.8	65.0	56.6
19-Feb-09	22:52:00	61.9	65.4	57.2
19-Feb-09	22:57:00	60.3	62.7	56.2

Mean 62.7 65.4 58.4  
 Maximum 64.2 67.4 60.0  
 Minimum 60.3 62.7 56.2

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
20-Feb-09	19:02:00	64.3	67.0	60.3
20-Feb-09	19:07:00	62.4	65.2	58.8
20-Feb-09	19:12:00	62.8	64.9	58.7
20-Feb-09	19:17:00	62.8	66.1	58.4
20-Feb-09	19:22:00	64.0	67.4	58.2
20-Feb-09	19:27:00	62.3	64.7	58.3
20-Feb-09	19:32:00	63.7	65.7	60.3
20-Feb-09	19:37:00	62.8	65.6	58.2
20-Feb-09	19:42:00	62.8	65.8	58.8
20-Feb-09	19:47:00	62.5	64.9	58.5
20-Feb-09	19:52:00	62.8	65.3	58.2
20-Feb-09	19:57:00	63.3	66.2	57.9
20-Feb-09	20:02:00	62.8	66.0	58.0
20-Feb-09	20:07:00	63.2	66.2	57.9
20-Feb-09	20:12:00	62.7	64.5	58.5
20-Feb-09	20:17:00	63.5	66.6	58.4
20-Feb-09	20:22:00	63.1	66.9	58.3
20-Feb-09	20:27:00	63.4	66.5	58.2
20-Feb-09	20:32:00	61.7	64.0	57.3
20-Feb-09	20:37:00	62.3	64.6	57.4
20-Feb-09	20:42:00	63.0	65.9	58.5
20-Feb-09	20:47:00	63.9	66.7	58.5
20-Feb-09	20:52:00	62.2	65.1	58.1
20-Feb-09	20:57:00	62.4	65.4	58.2
20-Feb-09	21:02:00	62.0	65.3	57.5
20-Feb-09	21:07:00	62.8	65.7	57.8
20-Feb-09	21:12:00	62.0	64.4	57.9
20-Feb-09	21:17:00	61.2	63.4	57.3
20-Feb-09	21:22:00	62.9	66.2	58.2
20-Feb-09	21:27:00	62.9	66.7	57.4
20-Feb-09	21:32:00	60.4	63.2	56.6
20-Feb-09	21:37:00	64.4	67.5	58.5
20-Feb-09	21:42:00	61.8	64.2	57.5
20-Feb-09	21:47:00	63.1	66.5	57.9
20-Feb-09	21:52:00	63.1	66.2	57.6
20-Feb-09	21:57:00	62.8	65.7	58.4
20-Feb-09	22:02:00	62.5	64.8	57.2
20-Feb-09	22:07:00	64.5	67.3	58.1
20-Feb-09	22:12:00	61.9	64.2	57.8
20-Feb-09	22:17:00	63.3	67.1	57.5
20-Feb-09	22:22:00	62.2	65.9	57.1
20-Feb-09	22:27:00	61.3	63.7	56.4
20-Feb-09	22:32:00	63.0	66.7	57.3
20-Feb-09	22:37:00	61.8	64.3	57.7
20-Feb-09	22:42:00	61.4	63.9	55.9
20-Feb-09	22:47:00	61.6	64.2	56.3
20-Feb-09	22:52:00	61.4	64.5	56.9
20-Feb-09	22:57:00	61.2	63.4	56.6

Mean 62.7 65.6 58.0  
 Maximum 64.5 67.5 60.3  
 Minimum 60.4 63.2 55.9

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
21-Feb-09	19:02:00	63.5	67.0	58.3
21-Feb-09	19:07:00	62.1	65.1	58.1
21-Feb-09	19:12:00	62.5	64.8	58.2
21-Feb-09	19:17:00	61.5	63.9	57.2
21-Feb-09	19:22:00	61.3	63.7	57.7
21-Feb-09	19:27:00	63.1	66.1	58.2
21-Feb-09	19:32:00	62.9	65.4	57.9
21-Feb-09	19:37:00	63.7	66.8	57.6
21-Feb-09	19:42:00	63.7	66.7	59.5
21-Feb-09	19:47:00	63.0	65.4	57.6
21-Feb-09	19:52:00	62.0	65.0	57.4
21-Feb-09	19:57:00	63.9	64.8	58.2
21-Feb-09	20:02:00	61.7	64.1	57.6
21-Feb-09	20:07:00	63.2	65.9	58.8
21-Feb-09	20:12:00	62.1	64.7	57.8
21-Feb-09	20:17:00	61.4	63.8	57.4
21-Feb-09	20:22:00	62.9	66.0	58.4
21-Feb-09	20:27:00	61.4	63.2	57.6
21-Feb-09	20:32:00	63.4	65.8	59.3
21-Feb-09	20:37:00	61.9	64.3	59.1
21-Feb-09	20:42:00	63.5	65.7	60.1
21-Feb-09	20:47:00	63.6	66.8	59.4
21-Feb-09	20:52:00	62.3	64.5	58.3
21-Feb-09	20:57:00	62.6	65.0	58.6
21-Feb-09	21:02:00	60.2	62.3	57.2
21-Feb-09	21:07:00	62.6	65.6	57.7
21-Feb-09	21:12:00	62.4	65.3	58.1
21-Feb-09	21:17:00	61.7	63.9	57.8
21-Feb-09	21:22:00	61.7	64.5	57.0
21-Feb-09	21:27:00	62.0	64.7	56.8
21-Feb-09	21:32:00	60.1	62.5	56.9
21-Feb-09	21:37:00	62.2	65.3	57.3
21-Feb-09	21:42:00	61.3	63.1	57.1
21-Feb-09	21:47:00	63.4	67.1	57.5
21-Feb-09	21:52:00	61.2	63.5	57.4
21-Feb-09	21:57:00	62.0	65.3	57.4
21-Feb-09	22:02:00	62.3	63.7	56.3
21-Feb-09	22:07:00	61.4	63.7	56.6
21-Feb-09	22:12:00	62.5	64.8	57.4
21-Feb-09	22:17:00	61.1	63.9	56.7
21-Feb-09	22:22:00	61.8	64.4	57.1
21-Feb-09	22:27:00	61.9	64.1	57.3
21-Feb-09	22:32:00	61.2	63.9	56.2
21-Feb-09	22:37:00	62.6	65.7	57.6
21-Feb-09	22:42:00	61.0	63.4	56.7
21-Feb-09	22:47:00	62.4	65.6	57.2
21-Feb-09	22:52:00	61.7	64.1	56.5
21-Feb-09	22:57:00	59.8	62.4	55.7

Mean 62.3 64.9 57.8  
 Maximum 63.9 67.1 60.1  
 Minimum 59.8 62.3 55.7

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	07:02:00	59.9	63.7	53.3
22-Feb-09	07:07:00	62.7	65.4	54.2
22-Feb-09	07:12:00	60.3	62.8	53.5
22-Feb-09	07:17:00	59.5	62.6	53.4
22-Feb-09	07:22:00	60.3	64.1	53.6
22-Feb-09	07:27:00	61.9	66.0	54.5
22-Feb-09	07:32:00	59.0	62.0	53.8
22-Feb-09	07:37:00	59.1	62.2	54.7
22-Feb-09	07:42:00	62.1	66.2	55.4
22-Feb-09	07:47:00	61.4	65.2	55.9
22-Feb-09	07:52:00	61.2	64.1	54.4
22-Feb-09	07:57:00	62.5	65.3	55.1
22-Feb-09	08:02:00	59.5	62.7	55.3
22-Feb-09	08:07:00	60.9	64.4	55.3
22-Feb-09	08:12:00	63.5	67.6	57.3
22-Feb-09	08:17:00	60.5	63.2	55.1
22-Feb-09	08:22:00	61.0	64.6	55.8
22-Feb-09	08:27:00	62.5	65.6	56.6
22-Feb-09	08:32:00	60.8	63.9	55.7
22-Feb-09	08:37:00	61.2	64.0	55.4
22-Feb-09	08:42:00	60.9	63.9	55.0
22-Feb-09	08:47:00	62.1	66.1	56.2
22-Feb-09	08:52:00	61.4	65.4	55.0
22-Feb-09	08:57:00	61.5	64.8	56.1
22-Feb-09	09:02:00	62.1	64.9	56.5
22-Feb-09	09:07:00	62.5	65.7	55.9
22-Feb-09	09:12:00	63.0	65.4	56.4
22-Feb-09	09:17:00	64.1	67.9	56.4
22-Feb-09	09:22:00	61.8	65.1	57.3
22-Feb-09	09:27:00	61.3	64.9	55.1
22-Feb-09	09:32:00	61.5	64.3	57.0
22-Feb-09	09:37:00	61.8	64.6	57.0
22-Feb-09	09:42:00	61.4	64.3	56.9
22-Feb-09	09:47:00	62.3	65.1	56.0
22-Feb-09	09:52:00	63.5	66.5	58.6
22-Feb-09	09:57:00	62.0	64.8	58.2
22-Feb-09	10:02:00	62.4	66.5	56.1
22-Feb-09	10:07:00	62.9	66.6	57.2
22-Feb-09	10:12:00	62.5	65.8	56.7
22-Feb-09	10:17:00	62.8	65.9	57.4
22-Feb-09	10:22:00	61.0	64.0	56.0
22-Feb-09	10:27:00	62.1	65.6	56.3
22-Feb-09	10:32:00	61.6	64.8	56.4
22-Feb-09	10:37:00	62.6	65.3	58.7
22-Feb-09	10:42:00	62.5	65.4	57.6
22-Feb-09	10:47:00	64.0	67.4	57.5
22-Feb-09	10:52:00	63.4	65.6	60.3
22-Feb-09	10:57:00	62.4	64.7	59.1

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	11:02:00	66.2	67.7	58.3
22-Feb-09	11:07:00	61.9	65.0	57.2
22-Feb-09	11:12:00	61.9	65.0	56.9
22-Feb-09	11:17:00	63.7	66.8	56.8
22-Feb-09	11:22:00	61.8	64.8	57.4
22-Feb-09	11:27:00	61.7	65.4	56.9
22-Feb-09	11:32:00	62.8	66.2	57.1
22-Feb-09	11:37:00	63.0	66.3	58.4
22-Feb-09	11:42:00	63.1	65.6	59.1
22-Feb-09	11:47:00	64.2	67.5	57.1
22-Feb-09	11:52:00	61.2	64.0	57.1
22-Feb-09	11:57:00	63.0	64.4	56.7
22-Feb-09	12:02:00	62.9	66.6	56.1
22-Feb-09	12:07:00	61.9	65.4	56.3
22-Feb-09	12:12:00	62.6	64.8	57.6
22-Feb-09	12:17:00	62.2	64.9	57.1
22-Feb-09	12:22:00	65.8	66.3	58.0
22-Feb-09	12:27:00	61.1	64.1	56.1
22-Feb-09	12:32:00	61.4	64.0	56.8
22-Feb-09	12:37:00	63.4	66.0	58.7
22-Feb-09	12:42:00	61.4	64.2	57.4
22-Feb-09	12:47:00	62.0	65.0	57.6
22-Feb-09	12:52:00	62.3	64.7	58.2
22-Feb-09	12:57:00	61.8	64.6	56.2
22-Feb-09	13:02:00	61.6	63.9	55.4
22-Feb-09	13:07:00	62.3	65.4	56.7
22-Feb-09	13:12:00	62.0	65.8	56.2
22-Feb-09	13:17:00	62.1	65.1	56.7
22-Feb-09	13:22:00	60.9	64.1	55.6
22-Feb-09	13:27:00	61.3	64.0	56.6
22-Feb-09	13:32:00	61.5	64.8	56.0
22-Feb-09	13:37:00	61.5	65.0	55.8
22-Feb-09	13:42:00	61.2	64.2	55.5
22-Feb-09	13:47:00	61.3	63.2	56.9
22-Feb-09	13:52:00	60.7	63.1	57.4
22-Feb-09	13:57:00	61.6	64.9	55.8
22-Feb-09	14:02:00	63.3	66.8	58.4
22-Feb-09	14:07:00	63.8	66.7	56.5
22-Feb-09	14:12:00	63.4	66.3	58.4
22-Feb-09	14:17:00	61.7	65.0	55.7
22-Feb-09	14:22:00	62.3	65.1	56.4
22-Feb-09	14:27:00	61.7	65.1	56.5
22-Feb-09	14:32:00	61.8	64.6	56.8
22-Feb-09	14:37:00	60.8	63.0	56.2
22-Feb-09	14:42:00	62.9	65.2	56.0
22-Feb-09	14:47:00	61.5	64.8	56.0
22-Feb-09	14:52:00	63.1	65.9	58.5
22-Feb-09	14:57:00	60.6	63.2	56.9

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	15:02:00	62.0	63.9	56.7
22-Feb-09	15:07:00	61.6	64.2	57.3
22-Feb-09	15:12:00	62.7	66.4	57.4
22-Feb-09	15:17:00	61.1	65.0	55.5
22-Feb-09	15:22:00	62.0	65.0	56.4
22-Feb-09	15:27:00	62.7	64.9	56.8
22-Feb-09	15:32:00	61.5	64.9	56.0
22-Feb-09	15:37:00	61.5	63.8	57.3
22-Feb-09	15:42:00	62.9	65.9	56.4
22-Feb-09	15:47:00	61.7	64.9	56.4
22-Feb-09	15:52:00	61.9	64.3	57.2
22-Feb-09	15:57:00	61.4	64.9	56.2
22-Feb-09	16:02:00	61.9	65.1	56.3
22-Feb-09	16:07:00	61.2	63.4	57.1
22-Feb-09	16:12:00	62.6	66.1	55.6
22-Feb-09	16:17:00	61.6	63.8	56.8
22-Feb-09	16:22:00	62.1	63.5	55.8
22-Feb-09	16:27:00	62.4	65.3	57.5
22-Feb-09	16:32:00	63.5	67.1	56.6
22-Feb-09	16:37:00	63.3	65.3	56.9
22-Feb-09	16:42:00	60.8	63.2	55.2
22-Feb-09	16:47:00	63.2	67.5	56.3
22-Feb-09	16:52:00	63.2	64.6	57.7
22-Feb-09	16:57:00	61.7	64.3	57.1
22-Feb-09	17:02:00	61.9	65.1	57.0
22-Feb-09	17:07:00	62.2	65.5	57.2
22-Feb-09	17:12:00	62.0	65.6	56.4
22-Feb-09	17:17:00	61.7	64.9	56.1
22-Feb-09	17:22:00	62.0	64.8	56.3
22-Feb-09	17:27:00	61.3	64.3	56.7
22-Feb-09	17:32:00	62.6	66.0	56.6
22-Feb-09	17:37:00	62.8	65.8	57.3
22-Feb-09	17:42:00	60.9	64.4	55.3
22-Feb-09	17:47:00	63.3	66.0	57.1
22-Feb-09	17:52:00	62.4	65.2	58.0
22-Feb-09	17:57:00	61.1	63.1	57.2
22-Feb-09	18:02:00	61.9	65.4	56.7
22-Feb-09	18:07:00	63.0	65.5	57.1
22-Feb-09	18:12:00	62.5	64.5	56.1
22-Feb-09	18:17:00	62.2	65.3	56.4
22-Feb-09	18:22:00	61.7	64.0	56.2
22-Feb-09	18:27:00	60.7	63.0	56.3
22-Feb-09	18:32:00	61.3	64.2	56.1
22-Feb-09	18:37:00	62.3	64.8	57.0
22-Feb-09	18:42:00	63.5	67.0	56.4
22-Feb-09	18:47:00	61.1	63.7	56.3
22-Feb-09	18:52:00	62.6	66.4	56.2
22-Feb-09	18:57:00	61.1	62.7	55.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-Feb-09	19:02:00	61.4	64.2	56.6
22-Feb-09	19:07:00	61.3	64.7	56.1
22-Feb-09	19:12:00	61.9	65.5	55.9
22-Feb-09	19:17:00	62.1	65.0	56.0
22-Feb-09	19:22:00	61.9	64.6	55.6
22-Feb-09	19:27:00	60.6	63.7	55.5
22-Feb-09	19:32:00	62.5	65.9	57.6
22-Feb-09	19:37:00	61.6	65.1	56.5
22-Feb-09	19:42:00	63.4	65.4	57.5
22-Feb-09	19:47:00	62.1	65.1	57.3
22-Feb-09	19:52:00	63.0	65.9	57.0
22-Feb-09	19:57:00	60.7	63.7	55.7
22-Feb-09	20:02:00	61.7	65.1	56.0
22-Feb-09	20:07:00	62.3	64.1	56.2
22-Feb-09	20:12:00	62.6	65.0	56.6
22-Feb-09	20:17:00	61.9	64.6	55.9
22-Feb-09	20:22:00	62.6	65.7	57.5
22-Feb-09	20:27:00	61.3	64.5	55.6
22-Feb-09	20:32:00	62.4	65.9	55.7
22-Feb-09	20:37:00	60.7	63.7	55.1
22-Feb-09	20:42:00	61.5	64.3	56.3
22-Feb-09	20:47:00	62.2	65.7	56.2
22-Feb-09	20:52:00	62.5	65.9	56.4
22-Feb-09	20:57:00	61.3	64.6	56.0
22-Feb-09	21:02:00	61.6	63.5	55.7
22-Feb-09	21:07:00	61.8	63.8	55.9
22-Feb-09	21:12:00	59.4	61.9	55.5
22-Feb-09	21:17:00	61.9	65.2	56.1
22-Feb-09	21:22:00	62.2	65.2	55.8
22-Feb-09	21:27:00	61.4	64.3	56.3
22-Feb-09	21:32:00	61.5	64.1	55.6
22-Feb-09	21:37:00	60.3	63.4	55.0
22-Feb-09	21:42:00	61.0	63.6	55.7
22-Feb-09	21:47:00	62.5	65.8	56.3
22-Feb-09	21:52:00	61.3	64.3	55.1
22-Feb-09	21:57:00	61.2	63.8	56.6
22-Feb-09	22:02:00	61.1	64.1	55.3
22-Feb-09	22:07:00	60.5	64.1	54.5
22-Feb-09	22:12:00	61.2	65.0	54.1
22-Feb-09	22:17:00	61.0	63.8	54.4
22-Feb-09	22:22:00	61.2	63.8	55.2
22-Feb-09	22:27:00	59.7	62.5	54.7
22-Feb-09	22:32:00	62.7	66.4	55.1
22-Feb-09	22:37:00	61.0	63.6	54.6
22-Feb-09	22:42:00	60.8	64.1	53.5
22-Feb-09	22:47:00	61.2	64.5	53.7
22-Feb-09	22:52:00	60.2	63.3	53.4
22-Feb-09	22:57:00	62.3	65.0	54.8

Mean 62.0 65.0 56.5  
 Maximum 66.2 67.9 60.3  
 Minimum 59.0 61.9 53.3

## Appendix B2 and B3

### Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
23-Feb-09	19:02:00	67.9	69.0	66.5
23-Feb-09	19:07:00	67.7	69.0	66.2
23-Feb-09	19:12:00	67.9	69.2	66.3
23-Feb-09	19:17:00	68.4	69.8	66.6
23-Feb-09	19:22:00	68.5	70.4	66.5
23-Feb-09	19:27:00	68.7	70.2	66.3
23-Feb-09	19:32:00	68.6	69.7	66.3
23-Feb-09	19:37:00	67.7	69.1	66.1
23-Feb-09	19:42:00	68.1	69.4	66.5
23-Feb-09	19:47:00	67.8	69.2	66.2
23-Feb-09	19:52:00	68.0	69.6	66.1
23-Feb-09	19:57:00	67.7	68.9	66.3
23-Feb-09	20:02:00	67.4	68.4	65.9
23-Feb-09	20:07:00	67.5	68.9	66.1
23-Feb-09	20:12:00	67.6	68.7	65.9
23-Feb-09	20:17:00	67.4	68.0	65.6
23-Feb-09	20:22:00	67.3	68.7	65.9
23-Feb-09	20:27:00	67.6	69.0	65.9
23-Feb-09	20:32:00	67.1	68.4	65.6
23-Feb-09	20:37:00	67.7	69.2	66.0
23-Feb-09	20:42:00	67.3	68.5	66.2
23-Feb-09	20:47:00	67.6	68.9	66.1
23-Feb-09	20:52:00	67.3	68.4	66.1
23-Feb-09	20:57:00	67.5	68.9	65.5
23-Feb-09	21:02:00	67.1	68.6	65.5
23-Feb-09	21:07:00	66.9	68.4	65.3
23-Feb-09	21:12:00	67.0	68.6	65.3
23-Feb-09	21:17:00	67.3	68.3	66.1
23-Feb-09	21:22:00	66.9	68.0	65.5
23-Feb-09	21:27:00	67.2	68.5	65.5
23-Feb-09	21:32:00	66.8	68.1	65.3
23-Feb-09	21:37:00	68.1	68.8	65.5
23-Feb-09	21:42:00	64.2	66.5	59.6
23-Feb-09	21:47:00	63.2	66.5	58.7
23-Feb-09	21:52:00	62.5	65.7	56.7
23-Feb-09	21:57:00	63.6	64.8	57.3
23-Feb-09	22:02:00	63.0	65.3	56.8
23-Feb-09	22:07:00	60.9	63.9	56.3
23-Feb-09	22:12:00	61.5	64.2	54.7
23-Feb-09	22:17:00	62.3	65.8	55.4
23-Feb-09	22:22:00	61.6	64.1	55.2
23-Feb-09	22:27:00	61.7	65.3	55.9
23-Feb-09	22:32:00	60.3	63.2	54.1
23-Feb-09	22:37:00	61.8	65.2	56.4
23-Feb-09	22:42:00	59.4	62.8	53.9
23-Feb-09	22:47:00	61.3	64.6	54.7
23-Feb-09	22:52:00	61.7	64.7	55.1
23-Feb-09	22:57:00	61.7	64.9	54.5

Mean 66.4 68.0 64.4  
 Maximum 68.7 70.4 66.6  
 Minimum 59.4 62.8 53.9

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
24-Feb-09	19:02:00	63.1	66.6	58.8
24-Feb-09	19:07:00	66.0	66.4	59.5
24-Feb-09	19:12:00	64.4	67.5	58.9
24-Feb-09	19:17:00	63.6	66.2	59.4
24-Feb-09	19:22:00	62.7	65.5	58.7
24-Feb-09	19:27:00	64.4	67.8	58.7
24-Feb-09	19:32:00	62.6	65.0	58.7
24-Feb-09	19:37:00	64.2	67.5	59.8
24-Feb-09	19:42:00	63.9	66.8	59.3
24-Feb-09	19:47:00	64.0	66.8	59.9
24-Feb-09	19:52:00	62.6	64.9	58.7
24-Feb-09	19:57:00	65.7	67.8	59.4
24-Feb-09	20:02:00	63.2	65.4	58.5
24-Feb-09	20:07:00	64.8	67.5	60.0
24-Feb-09	20:12:00	64.5	66.6	59.1
24-Feb-09	20:17:00	63.2	66.0	58.8
24-Feb-09	20:22:00	64.1	66.0	58.2
24-Feb-09	20:27:00	63.0	66.1	58.7
24-Feb-09	20:32:00	63.0	65.9	57.9
24-Feb-09	20:37:00	62.7	65.1	58.7
24-Feb-09	20:42:00	63.3	66.0	59.1
24-Feb-09	20:47:00	62.1	64.9	58.0
24-Feb-09	20:52:00	61.9	64.9	57.9
24-Feb-09	20:57:00	62.0	64.4	58.6
24-Feb-09	21:02:00	63.7	66.6	59.0
24-Feb-09	21:07:00	62.9	65.3	58.6
24-Feb-09	21:12:00	61.0	63.4	57.9
24-Feb-09	21:17:00	62.7	65.6	58.1
24-Feb-09	21:22:00	62.1	64.7	58.1
24-Feb-09	21:27:00	62.3	64.8	58.3
24-Feb-09	21:32:00	64.3	68.0	58.9
24-Feb-09	21:37:00	64.0	66.8	58.7
24-Feb-09	21:42:00	60.9	62.8	58.0
24-Feb-09	21:47:00	62.1	65.2	57.6
24-Feb-09	21:52:00	61.6	63.9	58.0
24-Feb-09	21:57:00	62.9	65.8	58.1
24-Feb-09	22:02:00	63.2	66.0	59.2
24-Feb-09	22:07:00	62.0	65.5	57.7
24-Feb-09	22:12:00	61.8	65.3	57.7
24-Feb-09	22:17:00	62.3	65.0	57.7
24-Feb-09	22:22:00	61.9	64.4	57.9
24-Feb-09	22:27:00	61.1	64.0	56.7
24-Feb-09	22:32:00	62.7	65.5	58.3
24-Feb-09	22:37:00	60.7	63.2	57.1
24-Feb-09	22:42:00	61.3	64.1	57.3
24-Feb-09	22:47:00	61.1	64.6	56.4
24-Feb-09	22:52:00	62.0	64.8	56.8
24-Feb-09	22:57:00	60.7	63.3	56.0

Mean 63.0 65.7 58.5  
 Maximum 66.0 68.0 60.0  
 Minimum 60.7 62.8 56.0

Evening Time and Holiday Noise Level at Blk A, 80 Robinson Road (NC18)			
	Leq	L10	L90
Mean	62.8	65.5	58.5
Max	69.5	70.4	66.6
Min	59.0	61.9	53.3

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-May-09	19:02:00	63.6	66.5	58.4
19-May-09	19:07:00	63.6	65.3	57.7
19-May-09	19:12:00	62.2	64.7	57.7
19-May-09	19:17:00	62.6	65.5	56.9
19-May-09	19:22:00	63.5	64.5	57.4
19-May-09	19:27:00	62.3	64.4	56.1
19-May-09	19:32:00	62.4	65.8	55.7
19-May-09	19:37:00	59.9	62.4	56.0
19-May-09	19:42:00	61.4	63.8	57.7
19-May-09	19:47:00	64.0	66.9	56.4
19-May-09	19:52:00	61.1	64.8	55.9
19-May-09	19:57:00	60.8	63.5	56.9
19-May-09	20:02:00	61.7	64.9	57.5
19-May-09	20:07:00	63.1	65.1	57.4
19-May-09	20:12:00	61.5	64.6	57.0
19-May-09	20:17:00	63.7	65.5	57.0
19-May-09	20:22:00	59.7	62.3	56.2
19-May-09	20:27:00	63.2	64.7	57.0
19-May-09	20:32:00	59.9	62.7	55.3
19-May-09	20:37:00	60.6	63.0	56.0
19-May-09	20:42:00	60.7	62.7	55.4
19-May-09	20:47:00	63.0	65.5	55.3
19-May-09	20:52:00	61.1	64.9	55.3
19-May-09	20:57:00	63.3	66.5	55.2
19-May-09	21:02:00	58.2	60.7	54.8
19-May-09	21:07:00	61.2	64.1	55.7
19-May-09	21:12:00	59.6	62.4	53.6
19-May-09	21:17:00	59.8	61.7	54.0
19-May-09	21:22:00	58.6	61.4	53.2
19-May-09	21:27:00	59.2	60.9	53.2
19-May-09	21:32:00	58.4	61.4	53.5
19-May-09	21:37:00	62.4	65.2	53.0
19-May-09	21:42:00	58.4	61.3	54.3
19-May-09	21:47:00	60.4	63.7	55.6
19-May-09	21:52:00	59.6	62.5	54.3
19-May-09	21:57:00	61.5	63.0	54.0
19-May-09	22:02:00	57.7	60.3	54.0
19-May-09	22:07:00	59.2	62.7	52.2
19-May-09	22:12:00	60.8	63.1	53.3
19-May-09	22:17:00	62.7	67.8	54.4
19-May-09	22:22:00	59.0	61.4	53.0
19-May-09	22:27:00	60.0	61.9	56.0
19-May-09	22:32:00	59.4	61.5	54.6
19-May-09	22:37:00	62.6	64.9	56.1
19-May-09	22:42:00	57.7	59.6	55.2
19-May-09	22:47:00	61.2	64.2	55.9
19-May-09	22:52:00	63.0	66.2	55.3
19-May-09	22:57:00	57.4	59.5	54.7
	Mean	61.3	64.0	55.7
	Maximum	64.0	67.8	58.4
	Minimum	57.4	59.5	52.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-May-09	19:02:00	63.9	67.6	55.7
20-May-09	19:07:00	60.3	62.4	55.5
20-May-09	19:12:00	59.7	61.5	56.0
20-May-09	19:17:00	62.2	65.7	57.4
20-May-09	19:22:00	63.3	65.5	57.3
20-May-09	19:27:00	64.4	67.3	57.5
20-May-09	19:32:00	67.6	69.4	64.8
20-May-09	19:37:00	68.1	70.1	65.9
20-May-09	19:42:00	65.2	67.6	61.7
20-May-09	19:47:00	62.8	64.7	59.0
20-May-09	19:52:00	64.3	67.4	57.7
20-May-09	19:57:00	64.6	66.9	60.4
20-May-09	20:02:00	64.2	66.7	58.6
20-May-09	20:07:00	60.9	63.5	57.4
20-May-09	20:12:00	60.8	63.6	56.9
20-May-09	20:17:00	58.5	60.8	53.0
20-May-09	20:22:00	60.1	62.5	56.8
20-May-09	20:27:00	62.5	64.8	55.8
20-May-09	20:32:00	59.1	61.2	54.5
20-May-09	20:37:00	61.5	65.1	55.6
20-May-09	20:42:00	59.8	62.6	54.4
20-May-09	20:47:00	62.6	65.1	55.3
20-May-09	20:52:00	61.1	64.1	55.7
20-May-09	20:57:00	63.1	65.2	55.7
20-May-09	21:02:00	62.4	61.8	54.4
20-May-09	21:07:00	58.7	61.0	54.4
20-May-09	21:12:00	57.9	60.6	53.6
20-May-09	21:17:00	57.4	60.0	53.4
20-May-09	21:22:00	63.6	65.4	53.8
20-May-09	21:27:00	61.4	64.3	55.7
20-May-09	21:32:00	58.3	61.3	53.3
20-May-09	21:37:00	60.1	61.9	55.4
20-May-09	21:42:00	64.5	67.7	55.8
20-May-09	21:47:00	60.4	63.4	55.1
20-May-09	21:52:00	58.7	61.5	54.2
20-May-09	21:57:00	63.5	66.1	55.7
20-May-09	22:02:00	57.9	60.3	52.9
20-May-09	22:07:00	61.7	67.1	54.1
20-May-09	22:12:00	56.9	59.6	53.0
20-May-09	22:17:00	62.9	64.7	54.0
20-May-09	22:22:00	59.9	62.1	55.4
20-May-09	22:27:00	60.4	63.7	54.5
20-May-09	22:32:00	57.7	60.2	53.7
20-May-09	22:37:00	62.4	65.6	55.0
20-May-09	22:42:00	56.0	58.2	53.3
20-May-09	22:47:00	55.8	57.8	51.6
20-May-09	22:52:00	59.4	61.2	54.8
20-May-09	22:57:00	62.3	64.3	53.8
	Mean	62.2	64.7	57.2
	Maximum	68.1	70.1	65.9
	Minimum	55.8	57.8	51.6

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
21-May-09	19:02:00	64.4	68.4	55.9
21-May-09	19:07:00	61.3	63.5	56.1
21-May-09	19:12:00	61.3	63.4	57.5
21-May-09	19:17:00	62.5	65.4	57.8
21-May-09	19:22:00	63.3	65.2	57.4
21-May-09	19:27:00	61.2	64.0	56.5
21-May-09	19:32:00	63.6	67.2	57.4
21-May-09	19:37:00	61.8	64.4	57.5
21-May-09	19:42:00	61.0	63.3	57.4
21-May-09	19:47:00	65.5	68.6	57.3
21-May-09	19:52:00	63.9	68.0	55.6
21-May-09	19:57:00	62.7	65.4	58.3
21-May-09	20:02:00	64.3	68.3	56.9
21-May-09	20:07:00	62.4	66.8	56.1
21-May-09	20:12:00	59.9	62.5	55.3
21-May-09	20:17:00	59.0	61.5	55.4
21-May-09	20:22:00	64.0	65.7	56.6
21-May-09	20:27:00	62.2	65.9	56.1
21-May-09	20:32:00	59.5	61.7	56.2
21-May-09	20:37:00	59.1	61.3	55.9
21-May-09	20:42:00	64.4	68.0	55.4
21-May-09	20:47:00	62.3	66.0	55.7
21-May-09	20:52:00	58.8	61.1	55.1
21-May-09	20:57:00	57.7	59.7	54.1
21-May-09	21:02:00	63.3	65.7	54.8
21-May-09	21:07:00	58.5	61.0	52.7
21-May-09	21:12:00	61.1	64.5	54.4
21-May-09	21:17:00	63.8	67.9	54.9
21-May-09	21:22:00	57.2	60.2	53.1
21-May-09	21:27:00	61.1	63.7	56.3
21-May-09	21:32:00	60.7	63.8	53.1
21-May-09	21:37:00	59.7	62.6	53.5
21-May-09	21:42:00	63.0	64.4	54.8
21-May-09	21:47:00	60.4	62.9	55.6
21-May-09	21:52:00	66.2	67.5	57.3
21-May-09	21:57:00	63.3	64.8	55.1
21-May-09	22:02:00	59.6	62.5	55.0
21-May-09	22:07:00	59.8	62.1	55.0
21-May-09	22:12:00	59.2	61.7	55.2
21-May-09	22:17:00	64.2	66.7	57.5
21-May-09	22:22:00	57.6	60.1	52.8
21-May-09	22:27:00	58.0	60.6	53.3
21-May-09	22:32:00	62.0	64.8	54.0
21-May-09	22:37:00	58.3	60.5	54.3
21-May-09	22:42:00	64.2	68.8	52.4
21-May-09	22:47:00	60.7	62.7	55.0
21-May-09	22:52:00	67.6	65.8	52.2
21-May-09	22:57:00	62.6	64.7	54.7
	Mean	62.3	65.0	55.7
	Maximum	67.6	68.8	58.3
	Minimum	57.2	59.7	52.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
22-May-09	19:02:00	64.1	66.5	57.6
22-May-09	19:07:00	61.3	63.9	56.4
22-May-09	19:12:00	61.4	63.6	56.2
22-May-09	19:17:00	62.0	64.8	56.4
22-May-09	19:22:00	58.9	61.4	54.8
22-May-09	19:27:00	59.3	61.4	55.6
22-May-09	19:32:00	63.3	64.7	57.8
22-May-09	19:37:00	60.8	63.2	56.4
22-May-09	19:42:00	60.9	65.7	54.7
22-May-09	19:47:00	64.0	66.7	56.3
22-May-09	19:52:00	60.9	64.2	55.8
22-May-09	19:57:00	59.0	61.9	54.9
22-May-09	20:02:00	64.3	66.7	55.1
22-May-09	20:07:00	61.9	63.7	56.6
22-May-09	20:12:00	60.7	64.0	56.0
22-May-09	20:17:00	63.3	67.0	56.6
22-May-09	20:22:00	57.8	60.1	53.5
22-May-09	20:27:00	60.6	64.0	55.2
22-May-09	20:32:00	60.0	63.2	55.3
22-May-09	20:37:00	59.8	61.7	54.7
22-May-09	20:42:00	64.3	67.4	55.6
22-May-09	20:47:00	60.7	64.0	53.7
22-May-09	20:52:00	57.2	59.5	53.1
22-May-09	20:57:00	63.5	64.4	54.9
22-May-09	21:02:00	57.5	60.1	51.5
22-May-09	21:07:00	59.9	64.0	53.4
22-May-09	21:12:00	56.7	59.1	52.6
22-May-09	21:17:00	62.0	63.5	54.8
22-May-09	21:22:00	58.4	59.7	51.3
22-May-09	21:27:00	58.1	60.4	53.0
22-May-09	21:32:00	58.6	61.4	53.9
22-May-09	21:37:00	61.2	64.5	54.3
22-May-09	21:42:00	61.2	60.5	52.2
22-May-09	21:47:00	60.9	63.8	54.8
22-May-09	21:52:00	56.9	59.0	51.9
22-May-09	21:57:00	62.9	61.4	53.7
22-May-09	22:02:00	56.4	59.0	51.2
22-May-09	22:07:00	58.9	60.7	53.3
22-May-09	22:12:00	58.0	60.2	53.9
22-May-09	22:17:00	60.9	63.7	53.6
22-May-09	22:22:00	58.5	59.6	51.2
22-May-09	22:27:00	58.3	61.5	53.7
22-May-09	22:32:00	57.4	60.1	51.6
22-May-09	22:37:00	63.0	65.7	53.0
22-May-09	22:42:00	57.1	59.6	52.1
22-May-09	22:47:00	56.9	58.7	50.4
22-May-09	22:52:00	62.9	65.2	54.0
22-May-09	22:57:00	55.9	58.7	51.7
	Mean	60.8	63.3	54.5
	Maximum	64.3	67.4	57.8
	Minimum	55.9	58.7	50.4

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-May-09	19:02:00	60.7	63.6	55.8
23-May-09	19:07:00	62.9	65.7	56.2
23-May-09	19:12:00	58.7	61.0	54.9
23-May-09	19:17:00	61.2	64.3	56.4
23-May-09	19:22:00	59.0	61.3	55.8
23-May-09	19:27:00	63.4	65.8	56.4
23-May-09	19:32:00	61.6	65.1	55.3
23-May-09	19:37:00	60.3	62.3	55.1
23-May-09	19:42:00	59.5	62.0	55.8
23-May-09	19:47:00	64.2	66.4	55.3
23-May-09	19:52:00	59.3	62.6	53.2
23-May-09	19:57:00	60.9	64.6	55.8
23-May-09	20:02:00	60.4	63.4	55.1
23-May-09	20:07:00	62.4	64.5	54.7
23-May-09	20:12:00	60.0	63.5	52.3
23-May-09	20:17:00	59.4	61.8	54.7
23-May-09	20:22:00	62.7	64.8	56.5
23-May-09	20:27:00	58.8	60.8	54.9
23-May-09	20:32:00	60.5	63.4	56.2
23-May-09	20:37:00	60.0	62.3	55.5
23-May-09	20:42:00	63.2	64.7	56.7
23-May-09	20:47:00	59.1	62.3	53.5
23-May-09	20:52:00	61.5	66.3	54.0
23-May-09	20:57:00	57.0	60.2	52.1
23-May-09	21:02:00	61.5	63.9	53.9
23-May-09	21:07:00	60.2	62.8	54.8
23-May-09	21:12:00	58.8	61.6	54.0
23-May-09	21:17:00	58.6	61.4	52.8
23-May-09	21:22:00	61.5	61.2	52.3
23-May-09	21:27:00	58.9	61.7	54.0
23-May-09	21:32:00	57.9	59.9	53.3
23-May-09	21:37:00	58.0	61.4	53.1
23-May-09	21:42:00	64.6	67.9	55.1
23-May-09	21:47:00	57.9	59.7	52.1
23-May-09	21:52:00	57.7	60.1	53.7
23-May-09	21:57:00	62.1	63.5	53.8
23-May-09	22:02:00	55.7	58.4	51.4
23-May-09	22:07:00	58.5	60.8	52.0
23-May-09	22:12:00	62.5	64.6	52.8
23-May-09	22:17:00	57.8	60.1	53.6
23-May-09	22:22:00	57.0	59.4	52.6
23-May-09	22:27:00	59.2	63.8	51.6
23-May-09	22:32:00	55.6	57.6	50.9
23-May-09	22:37:00	61.8	64.6	53.3
23-May-09	22:42:00	55.7	58.4	51.2
23-May-09	22:47:00	57.5	60.9	51.6
23-May-09	22:52:00	56.0	58.6	51.7
23-May-09	22:57:00	61.3	62.7	52.4
	Mean	60.4	63.1	54.3
	Maximum	64.6	67.9	56.7
	Minimum	55.6	57.6	50.9

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	07:02:00	63.7	66.6	55.8
24-May-09	07:07:00	60.5	63.4	55.8
24-May-09	07:12:00	64.3	67.7	57.5
24-May-09	07:17:00	58.2	61.1	53.6
24-May-09	07:22:00	63.8	66.4	56.1
24-May-09	07:27:00	59.1	61.5	54.5
24-May-09	07:32:00	62.3	66.2	57.4
24-May-09	07:37:00	65.8	69.4	57.4
24-May-09	07:42:00	63.6	66.3	58.4
24-May-09	07:47:00	64.1	66.6	56.2
24-May-09	07:52:00	61.9	64.7	57.7
24-May-09	07:57:00	65.0	68.2	57.6
24-May-09	08:02:00	63.8	66.9	56.4
24-May-09	08:07:00	62.2	65.2	54.5
24-May-09	08:12:00	63.2	67.1	56.8
24-May-09	08:17:00	63.5	65.9	57.0
24-May-09	08:22:00	64.0	67.5	56.5
24-May-09	08:27:00	63.4	65.6	58.0
24-May-09	08:32:00	64.8	69.0	55.4
24-May-09	08:37:00	68.7	72.3	63.1
24-May-09	08:42:00	62.4	64.4	58.0
24-May-09	08:47:00	64.5	68.1	57.1
24-May-09	08:52:00	59.5	61.9	55.3
24-May-09	08:57:00	61.6	65.6	56.4
24-May-09	09:02:00	63.9	66.6	56.0
24-May-09	09:07:00	64.8	68.8	56.5
24-May-09	09:12:00	62.5	65.8	57.8
24-May-09	09:17:00	62.2	65.4	56.6
24-May-09	09:22:00	64.6	67.7	57.0
24-May-09	09:27:00	63.9	66.7	57.2
24-May-09	09:32:00	65.2	68.0	57.2
24-May-09	09:37:00	63.2	66.2	57.4
24-May-09	09:42:00	63.9	66.9	57.5
24-May-09	09:47:00	63.0	65.4	57.1
24-May-09	09:52:00	65.3	67.6	58.2
24-May-09	09:57:00	74.0	77.7	61.4
24-May-09	10:02:00	75.0	77.3	66.0
24-May-09	10:07:00	76.6	78.5	73.3
24-May-09	10:12:00	75.2	78.2	63.3
24-May-09	10:17:00	73.9	77.2	62.5
24-May-09	10:22:00	74.8	77.7	61.2
24-May-09	10:27:00	76.2	78.8	64.9
24-May-09	10:32:00	75.7	79.7	61.0
24-May-09	10:37:00	76.5	79.7	62.7
24-May-09	10:42:00	69.3	75.0	59.6
24-May-09	10:47:00	70.5	76.2	61.9
24-May-09	10:52:00	64.0	66.1	61.2
24-May-09	10:57:00	65.8	68.2	61.4



**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	11:02:00	64.0	65.3	60.4
24-May-09	11:07:00	64.6	66.5	61.0
24-May-09	11:12:00	77.1	80.0	64.8
24-May-09	11:17:00	75.8	79.6	61.9
24-May-09	11:22:00	67.1	70.2	59.9
24-May-09	11:27:00	66.7	68.2	60.1
24-May-09	11:32:00	64.6	67.4	60.0
24-May-09	11:37:00	62.6	64.6	59.1
24-May-09	11:42:00	63.9	67.0	58.3
24-May-09	11:47:00	63.1	65.5	58.4
24-May-09	11:52:00	60.7	63.2	57.5
24-May-09	11:57:00	63.5	65.5	59.2
24-May-09	12:02:00	62.8	65.3	58.9
24-May-09	12:07:00	63.3	65.5	60.1
24-May-09	12:12:00	63.3	66.0	59.4
24-May-09	12:17:00	64.7	66.4	60.8
24-May-09	12:22:00	65.8	67.8	60.1
24-May-09	12:27:00	66.1	67.6	64.3
24-May-09	12:32:00	65.9	68.0	60.2
24-May-09	12:37:00	64.6	67.6	59.9
24-May-09	12:42:00	64.8	67.0	59.6
24-May-09	12:47:00	65.2	67.4	59.4
24-May-09	12:52:00	64.8	67.7	59.0
24-May-09	12:57:00	64.5	66.4	59.7
24-May-09	13:02:00	68.5	72.9	60.8
24-May-09	13:07:00	72.6	76.4	62.9
24-May-09	13:12:00	68.2	72.4	59.9
24-May-09	13:17:00	62.6	65.3	57.3
24-May-09	13:22:00	62.4	64.7	58.2
24-May-09	13:27:00	65.1	67.4	59.3
24-May-09	13:32:00	68.2	69.9	60.6
24-May-09	13:37:00	63.7	65.6	58.5
24-May-09	13:42:00	62.6	64.8	58.4
24-May-09	13:47:00	67.1	68.4	61.3
24-May-09	13:52:00	66.5	67.9	61.1
24-May-09	13:57:00	66.3	65.6	60.2
24-May-09	14:02:00	64.5	66.9	60.3
24-May-09	14:07:00	68.8	72.6	60.7
24-May-09	14:12:00	70.6	73.3	61.7
24-May-09	14:17:00	64.4	65.3	59.5
24-May-09	14:22:00	61.6	64.6	57.7
24-May-09	14:27:00	66.5	69.3	60.1
24-May-09	14:32:00	66.0	69.9	59.4
24-May-09	14:37:00	65.4	67.7	59.2
24-May-09	14:42:00	62.7	65.1	58.4
24-May-09	14:47:00	64.2	67.2	57.9
24-May-09	14:52:00	65.9	69.0	59.8
24-May-09	14:57:00	62.1	65.0	58.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	15:02:00	66.3	70.0	58.9
24-May-09	15:07:00	67.2	70.8	59.4
24-May-09	15:12:00	65.3	67.8	58.0
24-May-09	15:17:00	68.0	70.0	59.3
24-May-09	15:22:00	65.1	67.7	61.6
24-May-09	15:27:00	72.0	74.5	63.1
24-May-09	15:32:00	72.1	74.7	65.3
24-May-09	15:37:00	70.5	74.2	60.9
24-May-09	15:42:00	70.5	73.6	63.3
24-May-09	15:47:00	68.7	72.4	62.4
24-May-09	15:52:00	64.1	66.7	58.6
24-May-09	15:57:00	66.7	68.4	60.1
24-May-09	16:02:00	67.0	69.2	58.4
24-May-09	16:07:00	67.0	67.4	58.8
24-May-09	16:12:00	64.9	66.5	58.5
24-May-09	16:17:00	63.1	65.8	58.9
24-May-09	16:22:00	64.9	67.1	58.7
24-May-09	16:27:00	66.3	68.6	62.3
24-May-09	16:32:00	66.4	68.0	63.4
24-May-09	16:37:00	66.4	67.8	63.8
24-May-09	16:42:00	65.5	68.3	62.1
24-May-09	16:47:00	65.6	68.9	60.4
24-May-09	16:52:00	64.3	67.0	57.8
24-May-09	16:57:00	62.8	65.7	58.8
24-May-09	17:02:00	61.5	63.5	57.1
24-May-09	17:07:00	65.2	67.5	59.9
24-May-09	17:12:00	63.4	67.2	57.4
24-May-09	17:17:00	63.5	66.6	58.2
24-May-09	17:22:00	63.1	65.5	58.0
24-May-09	17:27:00	66.2	68.2	58.9
24-May-09	17:32:00	60.0	61.8	55.8
24-May-09	17:37:00	63.8	67.3	57.4
24-May-09	17:42:00	62.0	64.5	57.8
24-May-09	17:47:00	64.1	67.2	58.3
24-May-09	17:52:00	60.9	63.9	56.7
24-May-09	17:57:00	62.1	63.8	58.1
24-May-09	18:02:00	61.7	66.1	56.0
24-May-09	18:07:00	61.7	64.4	57.0
24-May-09	18:12:00	64.0	65.8	57.9
24-May-09	18:17:00	62.2	62.8	56.7
24-May-09	18:22:00	62.4	65.4	57.2
24-May-09	18:27:00	61.2	64.1	55.8
24-May-09	18:32:00	60.6	63.0	56.5
24-May-09	18:37:00	63.5	66.4	57.0
24-May-09	18:42:00	60.8	63.4	55.6
24-May-09	18:47:00	63.1	65.8	57.0
24-May-09	18:52:00	60.0	62.6	55.1
24-May-09	18:57:00	61.3	65.3	54.8

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	19:02:00	60.0	62.6	56.1
24-May-09	19:07:00	60.1	62.2	56.3
24-May-09	19:12:00	61.1	63.7	55.3
24-May-09	19:17:00	60.8	64.4	54.3
24-May-09	19:22:00	60.7	63.1	53.9
24-May-09	19:27:00	62.9	65.5	55.5
24-May-09	19:32:00	62.0	66.2	56.1
24-May-09	19:37:00	59.5	61.4	53.7
24-May-09	19:42:00	59.6	62.6	54.8
24-May-09	19:47:00	61.9	63.6	57.4
24-May-09	19:52:00	60.2	63.3	56.3
24-May-09	19:57:00	63.1	65.7	55.0
24-May-09	20:02:00	59.4	62.1	54.9
24-May-09	20:07:00	63.1	66.2	55.3
24-May-09	20:12:00	60.3	63.4	55.7
24-May-09	20:17:00	58.5	61.4	53.4
24-May-09	20:22:00	61.9	64.1	55.1
24-May-09	20:27:00	59.4	61.6	55.4
24-May-09	20:32:00	59.9	62.3	55.4
24-May-09	20:37:00	59.8	61.8	54.8
24-May-09	20:42:00	59.4	61.6	54.6
24-May-09	20:47:00	63.3	64.6	55.4
24-May-09	20:52:00	61.7	62.3	55.5
24-May-09	20:57:00	61.7	63.6	54.8
24-May-09	21:02:00	58.0	60.6	53.2
24-May-09	21:07:00	61.0	65.0	55.5
24-May-09	21:12:00	58.2	60.6	54.2
24-May-09	21:17:00	62.4	65.4	54.3
24-May-09	21:22:00	57.1	59.3	52.4
24-May-09	21:27:00	59.4	62.9	53.4
24-May-09	21:32:00	57.8	60.2	52.5
24-May-09	21:37:00	60.1	62.4	53.6
24-May-09	21:42:00	62.2	65.4	54.4
24-May-09	21:47:00	59.2	62.7	54.0
24-May-09	21:52:00	59.4	61.9	55.4
24-May-09	21:57:00	64.4	67.5	55.7
24-May-09	22:02:00	59.3	61.6	55.3
24-May-09	22:07:00	60.2	63.0	54.4
24-May-09	22:12:00	56.9	58.8	53.8
24-May-09	22:17:00	61.3	62.8	54.6
24-May-09	22:22:00	58.5	60.8	55.0
24-May-09	22:27:00	58.4	61.2	53.1
24-May-09	22:32:00	57.5	60.0	53.8
24-May-09	22:37:00	62.6	64.7	54.8
24-May-09	22:42:00	57.4	59.9	53.3
24-May-09	22:47:00	57.9	61.1	53.2
24-May-09	22:52:00	62.4	65.1	54.6
24-May-09	22:57:00	56.5	59.1	52.8
	Mean	66.8	69.8	59.5
	Maximum	77.1	80.0	73.3
	Minimum	56.5	58.8	52.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
25-May-09	19:02:00	64.0	65.5	55.9
25-May-09	19:07:00	60.8	62.1	54.4
25-May-09	19:12:00	60.5	63.8	53.7
25-May-09	19:17:00	63.2	64.9	56.5
25-May-09	19:22:00	59.7	62.6	54.3
25-May-09	19:27:00	59.8	62.6	55.2
25-May-09	19:32:00	61.3	64.3	55.2
25-May-09	19:37:00	61.3	63.7	56.2
25-May-09	19:42:00	60.7	62.7	53.8
25-May-09	19:47:00	62.8	64.5	55.4
25-May-09	19:52:00	60.4	62.1	55.9
25-May-09	19:57:00	60.6	63.2	54.7
25-May-09	20:02:00	63.4	66.0	56.4
25-May-09	20:07:00	61.3	62.4	55.8
25-May-09	20:12:00	59.6	61.5	55.0
25-May-09	20:17:00	62.5	64.1	55.0
25-May-09	20:22:00	60.8	62.9	54.3
25-May-09	20:27:00	58.5	61.2	53.6
25-May-09	20:32:00	59.2	61.5	53.4
25-May-09	20:37:00	60.7	62.6	55.2
25-May-09	20:42:00	62.2	64.9	55.1
25-May-09	20:47:00	59.8	62.2	53.9
25-May-09	20:52:00	58.2	60.6	54.6
25-May-09	20:57:00	63.2	64.4	55.5
25-May-09	21:02:00	59.8	61.9	53.4
25-May-09	21:07:00	61.3	65.1	54.4
25-May-09	21:12:00	59.7	62.5	53.3
25-May-09	21:17:00	63.4	65.4	55.7
25-May-09	21:22:00	59.3	62.2	53.0
25-May-09	21:27:00	58.7	62.1	54.0
25-May-09	21:32:00	57.9	60.3	54.2
25-May-09	21:37:00	62.4	64.0	55.0
25-May-09	21:42:00	59.1	61.1	53.9
25-May-09	21:47:00	59.7	61.3	53.7
25-May-09	21:52:00	63.3	66.5	56.1
25-May-09	21:57:00	57.1	59.4	53.4
25-May-09	22:02:00	58.0	60.5	53.2
25-May-09	22:07:00	60.8	61.6	51.5
25-May-09	22:12:00	57.5	60.3	53.5
25-May-09	22:17:00	61.7	64.1	53.5
25-May-09	22:22:00	55.9	59.5	49.3
25-May-09	22:27:00	57.5	60.5	52.3
25-May-09	22:32:00	61.9	64.4	52.1
25-May-09	22:37:00	54.8	57.7	50.8
25-May-09	22:42:00	58.4	60.6	53.0
25-May-09	22:47:00	56.9	59.5	52.4
25-May-09	22:52:00	63.2	66.4	53.0
25-May-09	22:57:00	54.9	57.5	50.2
	Mean	60.7	63.0	54.3
	Maximum	64.0	66.5	56.5
	Minimum	54.8	57.5	49.3

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
26-May-09	19:02:00	63.4	66.4	55.2
26-May-09	19:07:00	62.6	64.3	57.0
26-May-09	19:12:00	63.6	66.1	57.0
26-May-09	19:17:00	60.2	62.6	55.8
26-May-09	19:22:00	62.7	65.7	55.5
26-May-09	19:27:00	60.5	63.2	56.4
26-May-09	19:32:00	59.8	62.8	55.1
26-May-09	19:37:00	59.1	61.7	54.1
26-May-09	19:42:00	63.7	66.5	56.5
26-May-09	19:47:00	62.5	66.6	54.9
26-May-09	19:52:00	59.3	62.0	53.6
26-May-09	19:57:00	62.2	63.5	54.1
26-May-09	20:02:00	62.0	64.8	55.7
26-May-09	20:07:00	59.1	61.2	54.8
26-May-09	20:12:00	58.7	61.0	55.3
26-May-09	20:17:00	59.1	62.0	53.2
26-May-09	20:22:00	62.7	66.1	55.1
26-May-09	20:27:00	60.8	62.0	54.1
26-May-09	20:32:00	60.6	65.1	54.4
26-May-09	20:37:00	64.0	67.0	54.4
26-May-09	20:42:00	60.5	64.2	53.8
26-May-09	20:47:00	61.3	62.4	51.2
26-May-09	20:52:00	57.4	60.1	52.3
26-May-09	20:57:00	57.5	60.6	51.4
26-May-09	21:02:00	59.1	62.3	52.8
26-May-09	21:07:00	59.1	62.3	51.8
26-May-09	21:12:00	62.0	63.3	53.3
26-May-09	21:17:00	57.1	60.4	51.2
26-May-09	21:22:00	58.3	60.5	51.2
26-May-09	21:27:00	58.5	62.4	52.1
26-May-09	21:32:00	62.1	65.1	51.7
26-May-09	21:37:00	58.1	61.0	51.5
26-May-09	21:42:00	59.9	62.7	54.8
26-May-09	21:47:00	62.5	64.7	54.0
26-May-09	21:52:00	57.8	60.2	52.8
26-May-09	21:57:00	55.7	58.8	50.2
26-May-09	22:02:00	57.8	61.3	50.8
26-May-09	22:07:00	58.0	60.7	52.3
26-May-09	22:12:00	61.7	63.5	52.1
26-May-09	22:17:00	57.1	60.2	51.0
26-May-09	22:22:00	58.7	61.0	53.4
26-May-09	22:27:00	58.6	59.8	52.1
26-May-09	22:32:00	62.8	66.7	52.6
26-May-09	22:37:00	58.2	58.5	50.4
26-May-09	22:42:00	58.6	62.2	51.4
26-May-09	22:47:00	56.6	59.4	51.9
26-May-09	22:52:00	62.4	64.2	53.3
26-May-09	22:57:00	55.0	57.9	50.0
	Mean	60.6	63.3	53.7
	Maximum	64.0	67.0	57.0
	Minimum	55.0	57.9	50.0

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
27-May-09	19:02:00	61.3	64.4	55.9
27-May-09	19:07:00	61.8	65.2	56.9
27-May-09	19:12:00	59.5	62.3	55.5
27-May-09	19:17:00	65.1	66.9	56.6
27-May-09	19:22:00	69.2	68.4	54.8
27-May-09	19:27:00	61.4	64.2	56.3
27-May-09	19:32:00	59.9	62.8	55.3
27-May-09	19:37:00	63.8	66.0	54.3
27-May-09	19:42:00	63.3	66.5	53.8
27-May-09	19:47:00	62.3	65.7	55.1
27-May-09	19:52:00	62.9	64.2	55.9
27-May-09	19:57:00	61.5	64.5	54.5
27-May-09	20:02:00	69.1	68.7	57.2
27-May-09	20:07:00	58.7	61.1	54.3
27-May-09	20:12:00	63.4	65.7	57.0
27-May-09	20:17:00	59.9	62.8	53.8
27-May-09	20:22:00	59.8	63.2	54.2
27-May-09	20:27:00	58.4	61.3	52.6
27-May-09	20:32:00	63.7	65.5	56.0
27-May-09	20:37:00	57.5	60.3	53.0
27-May-09	20:42:00	63.9	65.4	55.4
27-May-09	20:47:00	62.5	64.5	53.9
27-May-09	20:52:00	59.9	62.3	53.2
27-May-09	20:57:00	59.9	62.5	52.1
27-May-09	21:02:00	61.0	65.5	54.3
27-May-09	21:07:00	61.9	64.4	52.7
27-May-09	21:12:00	57.7	60.4	53.4
27-May-09	21:17:00	58.3	61.4	51.7
27-May-09	21:22:00	59.6	63.1	54.3
27-May-09	21:27:00	63.4	65.8	54.2
27-May-09	21:32:00	59.0	60.1	52.9
27-May-09	21:37:00	57.1	60.5	49.6
27-May-09	21:42:00	61.9	64.8	55.0
27-May-09	21:47:00	62.2	63.7	53.4
27-May-09	21:52:00	56.7	59.2	51.7
27-May-09	21:57:00	55.9	58.7	51.2
27-May-09	22:02:00	58.4	60.7	52.3
27-May-09	22:07:00	58.1	60.9	52.1
27-May-09	22:12:00	61.1	63.5	52.4
27-May-09	22:17:00	59.1	60.7	53.2
27-May-09	22:22:00	60.0	64.4	52.4
27-May-09	22:27:00	63.6	66.1	53.7
27-May-09	22:32:00	57.2	60.1	52.6
27-May-09	22:37:00	57.8	61.0	50.2
27-May-09	22:42:00	61.1	65.1	52.1
27-May-09	22:47:00	61.7	62.7	53.4
27-May-09	22:52:00	55.4	58.3	50.5
27-May-09	22:57:00	58.8	60.7	50.8
	Mean	61.9	64.0	54.1
	Maximum	69.2	68.7	57.2
	Minimum	55.4	58.3	49.6

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
28-May-09	07:02:00	59.0	62.6	51.8
28-May-09	07:07:00	64.5	66.7	54.4
28-May-09	07:12:00	58.6	61.3	54.1
28-May-09	07:17:00	61.8	63.7	53.9
28-May-09	07:22:00	60.4	64.4	54.7
28-May-09	07:27:00	57.7	60.5	53.1
28-May-09	07:32:00	63.1	65.7	51.7
28-May-09	07:37:00	58.1	62.8	52.2
28-May-09	07:42:00	59.3	61.9	52.7
28-May-09	07:47:00	60.8	62.2	53.0
28-May-09	07:52:00	64.0	68.4	56.7
28-May-09	07:57:00	62.7	63.3	55.2
28-May-09	08:02:00	68.2	72.0	63.4
28-May-09	08:07:00	65.3	67.4	57.9
28-May-09	08:12:00	59.8	62.5	55.9
28-May-09	08:17:00	57.4	59.7	54.2
28-May-09	08:22:00	63.6	67.7	55.7
28-May-09	08:27:00	58.4	60.4	55.2
28-May-09	08:32:00	59.3	61.5	55.2
28-May-09	08:37:00	64.4	66.1	55.3
28-May-09	08:42:00	58.6	62.3	53.5
28-May-09	08:47:00	60.8	63.4	54.9
28-May-09	08:52:00	64.7	69.0	57.0
28-May-09	08:57:00	59.5	62.0	54.9
28-May-09	09:02:00	60.5	63.3	54.3
28-May-09	09:07:00	61.6	66.0	54.7
28-May-09	09:12:00	64.0	65.9	54.5
28-May-09	09:17:00	58.7	61.4	54.2
28-May-09	09:22:00	63.0	67.4	57.5
28-May-09	09:27:00	63.6	65.9	57.0
28-May-09	09:32:00	59.2	61.5	55.8
28-May-09	09:37:00	62.5	65.7	55.9
28-May-09	09:42:00	64.0	64.7	56.1
28-May-09	09:47:00	59.2	61.5	56.0
28-May-09	09:52:00	61.3	64.7	55.4
28-May-09	09:57:00	62.2	63.6	57.0
28-May-09	10:02:00	60.8	63.1	57.1
28-May-09	10:07:00	62.5	66.4	57.8
28-May-09	10:12:00	64.2	66.2	56.2
28-May-09	10:17:00	59.8	62.4	55.5
28-May-09	10:22:00	63.0	67.2	56.9
28-May-09	10:27:00	62.3	64.2	55.6
28-May-09	10:32:00	60.6	63.2	56.9
28-May-09	10:37:00	65.0	67.2	57.6
28-May-09	10:42:00	60.8	63.3	56.8
28-May-09	10:47:00	61.8	62.6	55.8
28-May-09	10:52:00	62.2	66.9	55.4
28-May-09	10:57:00	59.8	61.5	55.7

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
28-May-09	11:02:00	59.6	62.8	54.3
28-May-09	11:07:00	64.0	65.8	57.7
28-May-09	11:12:00	62.5	64.9	55.9
28-May-09	11:17:00	60.8	63.5	56.1
28-May-09	11:22:00	63.1	66.1	55.9
28-May-09	11:27:00	64.3	66.4	57.0
28-May-09	11:32:00	60.4	63.2	55.8
28-May-09	11:37:00	64.9	68.6	56.2
28-May-09	11:42:00	59.4	62.3	54.5
28-May-09	11:47:00	61.1	63.4	56.1
28-May-09	11:52:00	61.9	66.0	57.2
28-May-09	11:57:00	63.1	66.1	56.2
28-May-09	12:02:00	61.3	64.1	55.7
28-May-09	12:07:00	61.0	64.7	55.3
28-May-09	12:12:00	62.5	64.5	55.8
28-May-09	12:17:00	60.8	63.0	56.2
28-May-09	12:22:00	62.3	65.1	55.1
28-May-09	12:27:00	63.0	62.9	56.6
28-May-09	12:32:00	59.4	61.7	53.7
28-May-09	12:37:00	64.2	67.6	57.0
28-May-09	12:42:00	64.0	64.6	56.1
28-May-09	12:47:00	60.7	63.5	55.3
28-May-09	12:52:00	60.6	64.2	55.2
28-May-09	12:57:00	63.8	66.1	54.9
28-May-09	13:02:00	61.1	63.8	56.2
28-May-09	13:07:00	62.8	67.1	56.9
28-May-09	13:12:00	63.2	65.0	56.7
28-May-09	13:17:00	60.8	62.5	56.6
28-May-09	13:22:00	60.8	63.9	55.9
28-May-09	13:27:00	63.9	64.3	56.9
28-May-09	13:32:00	59.4	63.0	54.1
28-May-09	13:37:00	63.7	66.1	54.7
28-May-09	13:42:00	64.0	67.7	56.4
28-May-09	13:47:00	60.4	63.2	55.0
28-May-09	13:52:00	61.3	65.4	54.9
28-May-09	13:57:00	64.2	66.9	56.0
28-May-09	14:02:00	60.2	62.6	56.2
28-May-09	14:07:00	61.2	65.0	54.4
28-May-09	14:12:00	62.9	64.8	56.8
28-May-09	14:17:00	60.2	62.6	55.9
28-May-09	14:22:00	61.2	64.4	56.5
28-May-09	14:27:00	64.8	67.6	56.2
28-May-09	14:32:00	60.9	63.6	54.9
28-May-09	14:37:00	62.9	65.9	56.5
28-May-09	14:42:00	64.1	66.5	56.6
28-May-09	14:47:00	58.8	61.7	53.8
28-May-09	14:52:00	60.8	63.3	56.8
28-May-09	14:57:00	62.8	65.5	55.7

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
28-May-09	15:02:00	64.2	65.5	56.5
28-May-09	15:07:00	60.9	63.8	56.0
28-May-09	15:12:00	63.2	65.2	57.8
28-May-09	15:17:00	61.3	63.9	55.8
28-May-09	15:22:00	67.3	68.3	57.7
28-May-09	15:27:00	64.0	65.5	54.7
28-May-09	15:32:00	59.9	62.5	55.8
28-May-09	15:37:00	62.0	64.6	56.9
28-May-09	15:42:00	63.2	65.6	54.7
28-May-09	15:47:00	63.7	66.8	57.6
28-May-09	15:52:00	61.4	63.7	58.0
28-May-09	15:57:00	64.9	67.3	58.3
28-May-09	16:02:00	61.1	63.5	56.8
28-May-09	16:07:00	62.5	65.4	55.6
28-May-09	16:12:00	62.6	65.0	55.8
28-May-09	16:17:00	61.3	64.3	56.8
28-May-09	16:22:00	63.0	65.4	56.9
28-May-09	16:27:00	65.0	66.0	57.7
28-May-09	16:32:00	60.3	62.6	55.3
28-May-09	16:37:00	61.9	65.8	56.2
28-May-09	16:42:00	65.3	67.9	56.1
28-May-09	16:47:00	61.7	64.9	55.0
28-May-09	16:52:00	63.2	66.7	57.6
28-May-09	16:57:00	64.2	64.5	54.9
28-May-09	17:02:00	60.7	62.6	55.9
28-May-09	17:07:00	62.3	67.1	56.0
28-May-09	17:12:00	65.5	67.7	59.5
28-May-09	17:17:00	60.0	61.9	55.9
28-May-09	17:22:00	59.9	63.0	55.3
28-May-09	17:27:00	61.3	63.4	55.5
28-May-09	17:32:00	65.1	67.9	56.8
28-May-09	17:37:00	63.9	67.5	59.0
28-May-09	17:42:00	65.2	66.0	57.8
28-May-09	17:47:00	59.5	61.7	56.2
28-May-09	17:52:00	61.0	64.6	55.0
28-May-09	17:57:00	59.9	62.6	55.4
28-May-09	18:02:00	64.1	66.5	56.3
28-May-09	18:07:00	62.4	65.7	56.0
28-May-09	18:12:00	59.1	61.3	55.9
28-May-09	18:17:00	58.9	61.4	55.1
28-May-09	18:22:00	62.8	65.2	55.2
28-May-09	18:27:00	62.4	64.8	57.0
28-May-09	18:32:00	64.8	65.8	56.6
28-May-09	18:37:00	60.8	62.6	55.8
28-May-09	18:42:00	62.7	66.3	55.6
28-May-09	18:47:00	60.5	63.7	54.8
28-May-09	18:52:00	64.9	67.5	57.6
28-May-09	18:57:00	63.3	65.3	56.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
28-May-09	19:02:00	61.1	64.7	55.0
28-May-09	19:07:00	62.1	64.3	55.8
28-May-09	19:12:00	64.7	66.6	55.3
28-May-09	19:17:00	60.6	63.1	56.2
28-May-09	19:22:00	60.9	64.8	54.9
28-May-09	19:27:00	59.4	61.6	55.2
28-May-09	19:32:00	61.8	65.4	55.0
28-May-09	19:37:00	63.4	67.0	55.5
28-May-09	19:42:00	60.0	63.1	54.9
28-May-09	19:47:00	62.0	64.5	57.3
28-May-09	19:52:00	61.6	65.4	55.5
28-May-09	19:57:00	63.8	65.5	56.7
28-May-09	20:02:00	62.1	65.6	55.8
28-May-09	20:07:00	60.2	61.4	54.4
28-May-09	20:12:00	64.2	65.3	55.1
28-May-09	20:17:00	60.4	62.8	54.2
28-May-09	20:22:00	60.4	63.4	54.7
28-May-09	20:27:00	60.4	63.3	56.1
28-May-09	20:32:00	60.0	62.4	55.8
28-May-09	20:37:00	63.4	67.1	56.3
28-May-09	20:42:00	60.9	64.0	54.0
28-May-09	20:47:00	60.8	63.0	56.5
28-May-09	20:52:00	67.0	69.1	57.3
28-May-09	20:57:00	60.9	63.7	54.5
28-May-09	21:02:00	60.6	63.3	55.8
28-May-09	21:07:00	59.8	62.5	55.2
28-May-09	21:12:00	63.4	65.7	55.0
28-May-09	21:17:00	59.8	62.5	55.1
28-May-09	21:22:00	60.9	64.0	52.4
28-May-09	21:27:00	59.2	61.3	54.9
28-May-09	21:32:00	60.1	63.4	53.5
28-May-09	21:37:00	62.3	65.0	54.4
28-May-09	21:42:00	59.6	63.2	54.2
28-May-09	21:47:00	63.9	67.1	54.1
28-May-09	21:52:00	58.1	60.5	52.3
28-May-09	21:57:00	56.5	59.5	52.3
28-May-09	22:02:00	59.9	63.2	53.5
28-May-09	22:07:00	58.4	61.6	52.7
28-May-09	22:12:00	57.9	60.9	51.9
28-May-09	22:17:00	56.3	59.3	51.9
28-May-09	22:22:00	57.8	60.8	52.6
28-May-09	22:27:00	61.6	63.9	53.4
28-May-09	22:32:00	58.8	62.4	52.9
28-May-09	22:37:00	57.6	60.4	52.9
28-May-09	22:42:00	57.3	60.2	51.6
28-May-09	22:47:00	63.4	66.6	53.3
28-May-09	22:52:00	57.1	59.4	53.1
28-May-09	22:57:00	55.5	58.6	50.9

Mean 62.2 64.9 55.8  
Maximum 68.2 72.0 63.4  
Minimum 55.5 58.6 50.9

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
29-May-09	19:02:00	65.3	69.0	56.6
29-May-09	19:07:00	60.3	62.5	56.7
29-May-09	19:12:00	63.6	65.5	55.9
29-May-09	19:17:00	60.3	62.5	56.2
29-May-09	19:22:00	61.6	64.2	56.4
29-May-09	19:27:00	64.0	66.9	56.5
29-May-09	19:32:00	63.4	67.0	57.4
29-May-09	19:37:00	60.8	63.1	57.7
29-May-09	19:42:00	62.0	65.3	56.4
29-May-09	19:47:00	64.1	63.9	57.6
29-May-09	19:52:00	64.1	67.6	58.5
29-May-09	19:57:00	59.1	61.6	54.0
29-May-09	20:02:00	64.2	66.6	55.6
29-May-09	20:07:00	61.5	65.0	57.2
29-May-09	20:12:00	61.1	63.1	56.8
29-May-09	20:17:00	64.5	67.5	56.2
29-May-09	20:22:00	61.5	64.3	55.7
29-May-09	20:27:00	59.9	62.9	55.1
29-May-09	20:32:00	59.6	61.6	55.0
29-May-09	20:37:00	58.3	60.9	53.9
29-May-09	20:42:00	63.7	66.7	54.8
29-May-09	20:47:00	61.5	64.1	54.9
29-May-09	20:52:00	63.3	65.4	55.7
29-May-09	20:57:00	59.3	61.7	54.7
29-May-09	21:02:00	58.4	60.6	53.4
29-May-09	21:07:00	59.9	62.3	54.9
29-May-09	21:12:00	58.9	61.4	54.9
29-May-09	21:17:00	64.6	68.0	52.2
29-May-09	21:22:00	57.6	60.2	52.5
29-May-09	21:27:00	62.3	65.6	55.4
29-May-09	21:32:00	59.3	61.8	53.6
29-May-09	21:37:00	63.4	66.1	53.9
29-May-09	21:42:00	58.4	60.7	52.8
29-May-09	21:47:00	59.3	62.5	54.3
29-May-09	21:52:00	60.0	62.8	54.5
29-May-09	21:57:00	62.1	63.2	51.5
29-May-09	22:02:00	56.0	58.5	51.7
29-May-09	22:07:00	59.5	62.3	53.2
29-May-09	22:12:00	58.6	60.8	52.3
29-May-09	22:17:00	64.2	63.4	52.1
29-May-09	22:22:00	57.2	59.6	52.2
29-May-09	22:27:00	63.1	63.4	52.0
29-May-09	22:32:00	56.3	58.5	51.8
29-May-09	22:37:00	62.6	64.7	54.5
29-May-09	22:42:00	56.3	59.1	51.7
29-May-09	22:47:00	59.8	62.7	52.4
29-May-09	22:52:00	62.8	64.1	53.0
29-May-09	22:57:00	57.0	60.5	51.4
	Mean	61.6	64.1	55.0
	Maximum	65.3	69.0	58.5
	Minimum	56.0	58.5	51.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
30-May-09	19:02:00	61.0	63.8	56.0
30-May-09	19:07:00	63.7	65.8	57.7
30-May-09	19:12:00	61.1	65.2	55.2
30-May-09	19:17:00	60.7	62.7	55.6
30-May-09	19:22:00	61.1	64.0	55.8
30-May-09	19:27:00	61.5	63.5	56.2
30-May-09	19:32:00	60.1	63.3	55.5
30-May-09	19:37:00	60.0	62.5	55.9
30-May-09	19:42:00	61.3	64.1	57.0
30-May-09	19:47:00	63.0	66.3	57.2
30-May-09	19:52:00	60.4	63.6	55.8
30-May-09	19:57:00	63.0	64.7	57.2
30-May-09	20:02:00	60.2	63.1	55.5
30-May-09	20:07:00	61.4	64.7	55.5
30-May-09	20:12:00	63.4	64.9	54.2
30-May-09	20:17:00	62.3	64.0	57.0
30-May-09	20:22:00	61.1	64.2	55.9
30-May-09	20:27:00	59.7	62.0	55.1
30-May-09	20:32:00	59.6	61.3	55.4
30-May-09	20:37:00	62.5	65.6	55.5
30-May-09	20:42:00	59.6	61.7	54.7
30-May-09	20:47:00	58.9	61.9	53.8
30-May-09	20:52:00	57.3	60.0	53.9
30-May-09	20:57:00	62.5	63.7	54.7
30-May-09	21:02:00	59.7	62.8	52.7
30-May-09	21:07:00	57.8	60.3	53.9
30-May-09	21:12:00	63.4	65.2	54.7
30-May-09	21:17:00	58.1	61.2	53.1
30-May-09	21:22:00	56.8	59.5	52.3
30-May-09	21:27:00	59.6	62.4	53.4
30-May-09	21:32:00	58.9	61.4	54.7
30-May-09	21:37:00	62.7	66.4	54.3
30-May-09	21:42:00	57.7	59.6	54.1
30-May-09	21:47:00	57.6	60.4	52.8
30-May-09	21:52:00	61.9	62.9	53.3
30-May-09	21:57:00	59.2	60.6	53.6
30-May-09	22:02:00	59.9	60.6	54.1
30-May-09	22:07:00	57.7	59.9	54.4
30-May-09	22:12:00	63.0	63.9	52.4
30-May-09	22:17:00	57.3	60.4	53.0
30-May-09	22:22:00	57.8	60.9	53.0
30-May-09	22:27:00	59.7	64.3	52.4
30-May-09	22:32:00	58.3	59.9	53.6
30-May-09	22:37:00	61.7	65.1	54.7
30-May-09	22:42:00	58.6	59.3	53.0
30-May-09	22:47:00	57.3	60.3	51.8
30-May-09	22:52:00	62.5	64.8	52.4
30-May-09	22:57:00	56.5	59.1	52.4
	Mean	60.6	63.1	54.8
	Maximum	63.7	66.4	57.7
	Minimum	56.5	59.1	51.8

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
31-May-09	07:02:00	60.5	63.9	55.3
31-May-09	07:07:00	67.0	69.7	58.3
31-May-09	07:12:00	64.3	66.6	56.4
31-May-09	07:17:00	65.0	68.0	56.3
31-May-09	07:22:00	63.4	66.1	56.6
31-May-09	07:27:00	63.2	66.4	57.7
31-May-09	07:32:00	67.0	70.3	57.9
31-May-09	07:37:00	61.9	64.7	57.4
31-May-09	07:42:00	66.6	70.4	60.3
31-May-09	07:47:00	62.4	65.3	58.1
31-May-09	07:52:00	61.2	64.0	56.1
31-May-09	07:57:00	65.3	68.9	58.3
31-May-09	08:02:00	61.7	64.6	57.0
31-May-09	08:07:00	63.5	67.4	57.7
31-May-09	08:12:00	65.6	69.7	58.4
31-May-09	08:17:00	64.4	67.5	57.5
31-May-09	08:22:00	66.7	69.5	59.2
31-May-09	08:27:00	69.5	72.4	64.8
31-May-09	08:32:00	65.4	68.6	58.1
31-May-09	08:37:00	62.8	65.2	57.1
31-May-09	08:42:00	65.7	69.0	59.0
31-May-09	08:47:00	64.7	66.7	59.6
31-May-09	08:52:00	62.7	65.5	58.0
31-May-09	08:57:00	64.8	67.9	58.9
31-May-09	09:02:00	64.8	68.1	57.7
31-May-09	09:07:00	63.7	67.4	57.7
31-May-09	09:12:00	63.9	66.5	59.1
31-May-09	09:17:00	65.2	69.1	57.9
31-May-09	09:22:00	64.4	67.9	59.4
31-May-09	09:27:00	66.7	69.4	57.6
31-May-09	09:32:00	64.3	67.5	58.0
31-May-09	09:37:00	64.1	67.6	58.9
31-May-09	09:42:00	66.7	70.3	60.6
31-May-09	09:47:00	69.0	71.4	63.6
31-May-09	09:52:00	67.4	69.3	61.0
31-May-09	09:57:00	69.1	70.4	66.6
31-May-09	10:02:00	73.2	70.3	62.9
31-May-09	10:07:00	63.2	65.7	59.2
31-May-09	10:12:00	66.3	70.1	59.4
31-May-09	10:17:00	65.6	68.2	58.8
31-May-09	10:22:00	65.5	68.3	59.1
31-May-09	10:27:00	63.2	66.6	58.3
31-May-09	10:32:00	61.8	64.8	57.2
31-May-09	10:37:00	64.1	66.9	57.5
31-May-09	10:42:00	64.6	68.8	57.7
31-May-09	10:47:00	64.8	67.6	57.7
31-May-09	10:52:00	65.9	68.1	58.8
31-May-09	10:57:00	65.3	68.6	58.3

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
31-May-09	11:02:00	64.1	67.0	57.8
31-May-09	11:07:00	67.0	72.1	58.3
31-May-09	11:12:00	63.7	67.4	57.4
31-May-09	11:17:00	61.9	64.4	57.4
31-May-09	11:22:00	61.5	64.4	57.5
31-May-09	11:27:00	64.1	66.0	57.1
31-May-09	11:32:00	65.4	69.0	58.5
31-May-09	11:37:00	63.8	67.5	57.3
31-May-09	11:42:00	65.2	69.5	58.0
31-May-09	11:47:00	62.6	64.8	58.2
31-May-09	11:52:00	65.6	67.7	59.1
31-May-09	11:57:00	64.1	67.4	57.3
31-May-09	12:02:00	64.7	67.5	59.8
31-May-09	12:07:00	64.0	66.5	57.8
31-May-09	12:12:00	64.5	67.4	57.1
31-May-09	12:17:00	66.5	69.7	58.9
31-May-09	12:22:00	64.5	67.6	59.4
31-May-09	12:27:00	63.9	66.4	58.3
31-May-09	12:32:00	64.8	68.2	58.2
31-May-09	12:37:00	65.9	68.9	59.3
31-May-09	12:42:00	65.7	68.7	58.3
31-May-09	12:47:00	62.8	65.7	58.1
31-May-09	12:52:00	64.1	65.8	58.4
31-May-09	12:57:00	63.4	66.6	58.0
31-May-09	13:02:00	63.8	66.6	56.3
31-May-09	13:07:00	61.7	63.3	56.0
31-May-09	13:12:00	65.2	67.7	60.6
31-May-09	13:17:00	65.5	68.7	59.9
31-May-09	13:22:00	64.6	67.5	59.1
31-May-09	13:27:00	64.9	68.1	57.3
31-May-09	13:32:00	65.0	67.7	59.1
31-May-09	13:37:00	65.6	69.5	59.7
31-May-09	13:42:00	64.9	68.5	59.2
31-May-09	13:47:00	64.7	67.1	58.7
31-May-09	13:52:00	63.1	65.3	58.6
31-May-09	13:57:00	63.0	65.8	58.1
31-May-09	14:02:00	66.1	69.8	58.5
31-May-09	14:07:00	62.5	65.2	58.7
31-May-09	14:12:00	64.7	66.8	57.7
31-May-09	14:17:00	64.7	66.8	59.5
31-May-09	14:22:00	64.3	66.9	59.4
31-May-09	14:27:00	65.3	68.1	58.3
31-May-09	14:32:00	66.2	69.4	59.3
31-May-09	14:37:00	64.8	67.5	60.2
31-May-09	14:42:00	65.4	68.6	59.2
31-May-09	14:47:00	63.4	65.4	59.1
31-May-09	14:52:00	61.8	65.1	57.8
31-May-09	14:57:00	62.1	64.9	57.4

**Appendix B2 and B3**

**Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
31-May-09	15:02:00	63.6	66.2	57.4
31-May-09	15:07:00	66.7	70.8	57.8
31-May-09	15:12:00	64.1	67.6	58.2
31-May-09	15:17:00	64.3	66.9	60.3
31-May-09	15:22:00	63.5	65.9	59.2
31-May-09	15:27:00	66.5	69.4	60.0
31-May-09	15:32:00	64.3	66.7	58.6
31-May-09	15:37:00	65.3	68.5	59.9
31-May-09	15:42:00	65.6	68.3	58.9
31-May-09	15:47:00	67.5	72.1	58.8
31-May-09	15:52:00	63.5	66.0	57.5
31-May-09	15:57:00	64.9	66.9	59.2
31-May-09	16:02:00	66.4	69.9	60.0
31-May-09	16:07:00	62.8	65.3	58.4
31-May-09	16:12:00	64.8	67.3	58.8
31-May-09	16:17:00	63.7	67.0	57.9
31-May-09	16:22:00	63.4	66.3	59.7
31-May-09	16:27:00	67.1	70.3	61.1
31-May-09	16:32:00	64.2	66.8	59.4
31-May-09	16:37:00	64.1	67.1	59.4
31-May-09	16:42:00	65.9	68.5	61.0
31-May-09	16:47:00	64.6	66.3	59.4
31-May-09	16:52:00	65.0	68.4	58.2
31-May-09	16:57:00	66.2	64.2	58.0
31-May-09	17:02:00	63.3	66.4	58.0
31-May-09	17:07:00	64.8	68.3	58.3
31-May-09	17:12:00	62.0	64.7	57.2
31-May-09	17:17:00	64.0	67.0	56.0
31-May-09	17:22:00	61.9	65.2	56.3
31-May-09	17:27:00	64.9	67.6	58.9
31-May-09	17:32:00	64.6	68.4	58.6
31-May-09	17:37:00	61.7	64.0	56.9
31-May-09	17:42:00	63.0	65.7	57.1
31-May-09	17:47:00	64.0	67.2	58.8
31-May-09	17:52:00	61.3	64.0	56.4
31-May-09	17:57:00	63.8	65.9	57.9
31-May-09	18:02:00	62.8	66.9	56.8
31-May-09	18:07:00	59.7	62.3	55.9
31-May-09	18:12:00	62.3	64.4	57.0
31-May-09	18:17:00	62.8	64.8	57.0
31-May-09	18:22:00	61.4	64.9	56.6
31-May-09	18:27:00	61.2	64.7	56.2
31-May-09	18:32:00	61.2	64.1	55.7
31-May-09	18:37:00	63.5	66.8	56.5
31-May-09	18:42:00	62.4	66.6	56.3
31-May-09	18:47:00	64.1	65.0	57.6
31-May-09	18:52:00	61.5	65.4	56.8
31-May-09	18:57:00	64.0	65.7	58.2

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
31-May-09	19:02:00	59.9	62.4	55.8
31-May-09	19:07:00	59.5	61.7	55.5
31-May-09	19:12:00	62.3	66.0	56.8
31-May-09	19:17:00	62.9	64.2	58.0
31-May-09	19:22:00	60.7	63.6	57.3
31-May-09	19:27:00	60.4	63.1	56.4
31-May-09	19:32:00	60.7	65.3	54.4
31-May-09	19:37:00	59.2	61.6	55.0
31-May-09	19:42:00	63.5	64.6	55.5
31-May-09	19:47:00	63.7	67.0	56.2
31-May-09	19:52:00	62.2	64.1	56.7
31-May-09	19:57:00	62.2	63.5	55.5
31-May-09	20:02:00	63.7	65.5	56.7
31-May-09	20:07:00	60.0	62.4	54.4
31-May-09	20:12:00	62.2	63.6	55.5
31-May-09	20:17:00	59.9	62.1	55.0
31-May-09	20:22:00	59.7	61.6	55.3
31-May-09	20:27:00	60.3	64.1	53.5
31-May-09	20:32:00	59.2	62.1	55.2
31-May-09	20:37:00	62.2	64.4	55.1
31-May-09	20:42:00	60.4	63.7	54.7
31-May-09	20:47:00	59.1	62.0	53.2
31-May-09	20:52:00	62.3	65.0	54.4
31-May-09	20:57:00	58.1	60.3	53.8
31-May-09	21:02:00	60.4	63.6	52.6
31-May-09	21:07:00	57.5	60.0	52.4
31-May-09	21:12:00	59.2	61.7	54.0
31-May-09	21:17:00	61.8	62.8	53.6
31-May-09	21:22:00	57.5	60.9	51.3
31-May-09	21:27:00	61.4	65.7	53.0
31-May-09	21:32:00	57.3	59.8	53.1
31-May-09	21:37:00	61.3	63.7	52.0
31-May-09	21:42:00	56.1	59.5	51.2
31-May-09	21:47:00	58.7	61.5	54.8
31-May-09	21:52:00	62.0	64.1	55.3
31-May-09	21:57:00	57.4	60.4	52.0
31-May-09	22:02:00	59.5	61.5	53.8
31-May-09	22:07:00	60.8	64.7	53.2
31-May-09	22:12:00	61.7	63.4	52.7
31-May-09	22:17:00	57.5	59.9	53.2
31-May-09	22:22:00	56.0	58.5	52.7
31-May-09	22:27:00	59.7	62.3	52.7
31-May-09	22:32:00	61.2	62.0	52.5
31-May-09	22:37:00	61.9	64.6	51.7
31-May-09	22:42:00	56.7	59.8	51.9
31-May-09	22:47:00	56.7	58.7	52.7
31-May-09	22:52:00	61.4	64.2	52.5
31-May-09	22:57:00	57.1	59.3	50.8

Mean 64.1 66.9 58.0  
Maximum 73.2 72.4 66.6  
Minimum 56.0 58.5 50.8



## **Appendix B2 and B3**

### **Evening Time and Holiday Noise Level at Villa Veneto (NC19)**

Date	Noise Level for 5-min, dB(A)			
	Time	Leq	L10	L90
1-Jun-09	19:02:00	62.3	64.5	56.6
1-Jun-09	19:07:00	64.3	67.9	57.8
1-Jun-09	19:12:00	60.7	63.4	55.5
1-Jun-09	19:17:00	60.1	62.6	56.3
1-Jun-09	19:22:00	64.2	68.3	57.3
1-Jun-09	19:27:00	60.3	62.6	57.2
1-Jun-09	19:32:00	59.5	61.3	55.4
1-Jun-09	19:37:00	60.5	63.3	55.4
1-Jun-09	19:42:00	63.9	66.5	56.4
1-Jun-09	19:47:00	61.2	63.4	56.0
1-Jun-09	19:52:00	62.0	66.0	56.2
1-Jun-09	19:57:00	62.2	62.8	55.9
1-Jun-09	20:02:00	63.4	66.2	56.5
1-Jun-09	20:07:00	62.0	64.9	55.8
1-Jun-09	20:12:00	60.0	62.5	54.1
1-Jun-09	20:17:00	62.7	64.6	55.4
1-Jun-09	20:22:00	61.5	65.1	55.7
1-Jun-09	20:27:00	58.9	61.8	53.8
1-Jun-09	20:32:00	58.1	60.3	54.7
1-Jun-09	20:37:00	63.5	66.6	55.3
1-Jun-09	20:42:00	58.7	60.9	55.1
1-Jun-09	20:47:00	61.1	65.1	55.3
1-Jun-09	20:52:00	62.6	64.5	53.7
1-Jun-09	20:57:00	58.9	61.7	54.0
1-Jun-09	21:02:00	57.5	59.5	53.3
1-Jun-09	21:07:00	58.5	61.2	54.1
1-Jun-09	21:12:00	60.0	62.8	55.2
1-Jun-09	21:17:00	62.8	64.4	54.3
1-Jun-09	21:22:00	57.5	60.0	53.8
1-Jun-09	21:27:00	57.3	59.3	52.9
1-Jun-09	21:32:00	59.8	61.7	54.7
1-Jun-09	21:37:00	62.9	65.5	54.5
1-Jun-09	21:42:00	59.8	61.4	54.0
1-Jun-09	21:47:00	59.1	61.9	54.0
1-Jun-09	21:52:00	63.2	65.0	55.9
1-Jun-09	21:57:00	59.0	61.5	54.7
1-Jun-09	22:02:00	60.5	63.3	54.8
1-Jun-09	22:07:00	58.8	61.1	55.0
1-Jun-09	22:12:00	62.5	64.0	53.9
1-Jun-09	22:17:00	57.9	60.2	54.3
1-Jun-09	22:22:00	58.4	61.1	54.0
1-Jun-09	22:27:00	59.6	62.5	53.1
1-Jun-09	22:32:00	57.3	60.3	52.9
1-Jun-09	22:37:00	62.8	65.0	53.8
1-Jun-09	22:42:00	57.8	60.0	53.0
1-Jun-09	22:47:00	59.4	61.6	53.8
1-Jun-09	22:52:00	62.6	65.1	55.0
1-Jun-09	22:57:00	56.7	59.7	51.0

Mean	61.0	63.6	55.0
Maximum	64.3	68.3	57.8
Minimum	56.7	59.3	51.0

Evening Time and Holiday Noise Level at Villa Veneto (NC19)			
	Leq	L10	L90
Mean	63.4	66.2	56.8
Max	77.1	80.0	73.3
Min	54.8	57.5	49.3

---

**APPENDIX B4  
NIGHT-TIME 23:00-07:00 OF THE NEXT  
DAY BASELINE NOISE MONITORING  
DATA**

---

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
4-Mar-09	00:00:00	64.1	66.4	60.1
4-Mar-09	00:05:00	63.0	65.3	59.2
4-Mar-09	00:10:00	63.9	65.9	59.9
4-Mar-09	00:15:00	62.5	64.8	59.4
4-Mar-09	00:20:00	63.4	65.5	59.4
4-Mar-09	00:25:00	62.4	64.8	58.2
4-Mar-09	00:30:00	61.4	64.3	57.2
4-Mar-09	00:35:00	61.3	64.0	57.1
4-Mar-09	00:40:00	62.1	64.5	58.1
4-Mar-09	00:45:00	60.4	63.2	56.6
4-Mar-09	00:50:00	61.6	64.1	56.7
4-Mar-09	00:55:00	61.0	63.7	56.5
4-Mar-09	01:00:00	62.8	65.5	56.9
4-Mar-09	01:05:00	60.7	63.7	56.0
4-Mar-09	01:10:00	59.4	62.2	55.4
4-Mar-09	01:15:00	60.6	63.7	55.6
4-Mar-09	01:20:00	59.9	62.8	55.4
4-Mar-09	01:25:00	59.2	62.3	55.1
4-Mar-09	01:30:00	59.3	62.2	55.2
4-Mar-09	01:35:00	57.8	60.8	54.8
4-Mar-09	01:40:00	59.7	62.3	55.3
4-Mar-09	01:45:00	59.6	63.1	54.9
4-Mar-09	01:50:00	59.2	62.2	55.3
4-Mar-09	01:55:00	58.6	61.8	54.5
4-Mar-09	02:00:00	57.7	60.7	54.9
4-Mar-09	02:05:00	58.3	61.0	55.8
4-Mar-09	02:10:00	57.4	59.4	55.3
4-Mar-09	02:15:00	58.4	61.4	55.2
4-Mar-09	02:20:00	58.8	61.8	55.3
4-Mar-09	02:25:00	58.8	61.9	55.3
4-Mar-09	02:30:00	58.3	61.1	55.0
4-Mar-09	02:35:00	58.3	61.7	54.4
4-Mar-09	02:40:00	57.0	59.7	54.2
4-Mar-09	02:45:00	58.0	61.2	54.3
4-Mar-09	02:50:00	58.3	61.7	54.4
4-Mar-09	02:55:00	58.0	60.9	54.7
4-Mar-09	03:00:00	58.4	61.3	54.6
4-Mar-09	03:05:00	57.0	59.6	54.2
4-Mar-09	03:10:00	57.8	60.9	54.3
4-Mar-09	03:15:00	57.6	60.8	54.3
4-Mar-09	03:20:00	57.2	60.0	54.4
4-Mar-09	03:25:00	56.8	59.3	54.2
4-Mar-09	03:30:00	56.5	59.2	54.1
4-Mar-09	03:35:00	56.0	58.2	54.0
4-Mar-09	03:40:00	58.2	61.2	54.2
4-Mar-09	03:45:00	55.7	57.3	54.0
4-Mar-09	03:50:00	56.8	59.3	54.0
4-Mar-09	03:55:00	55.8	57.9	54.0
4-Mar-09	04:00:00	55.6	57.5	53.7
4-Mar-09	04:05:00	56.7	59.0	54.0
4-Mar-09	04:10:00	54.9	55.6	53.5

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
4-Mar-09	04:15:00	56.1	58.3	53.9
4-Mar-09	04:20:00	55.6	58.1	53.7
4-Mar-09	04:25:00	56.4	59.1	54.0
4-Mar-09	04:30:00	55.7	57.5	54.0
4-Mar-09	04:35:00	54.2	54.9	53.3
4-Mar-09	04:40:00	56.3	59.1	54.0
4-Mar-09	04:45:00	55.5	57.8	53.5
4-Mar-09	04:50:00	55.6	57.2	53.8
4-Mar-09	04:55:00	56.1	58.3	54.1
4-Mar-09	05:00:00	56.9	59.9	54.0
4-Mar-09	05:05:00	55.1	55.9	53.5
4-Mar-09	05:10:00	56.6	59.1	54.1
4-Mar-09	05:15:00	57.3	59.7	54.2
4-Mar-09	05:20:00	57.9	60.8	54.5
4-Mar-09	05:25:00	56.5	58.7	54.3
4-Mar-09	05:30:00	57.2	60.3	54.2
4-Mar-09	05:35:00	56.7	59.3	54.1
4-Mar-09	05:40:00	57.9	61.2	54.3
4-Mar-09	05:45:00	58.2	61.0	54.4
4-Mar-09	05:50:00	57.4	60.2	54.4
4-Mar-09	05:55:00	58.1	61.3	54.2
4-Mar-09	06:00:00	60.2	61.5	55.0
4-Mar-09	06:05:00	58.1	60.9	55.1
4-Mar-09	06:10:00	57.3	59.6	55.2
4-Mar-09	06:15:00	58.9	61.9	55.4
4-Mar-09	06:20:00	59.9	62.8	56.1
4-Mar-09	06:25:00	60.7	63.8	56.7
4-Mar-09	06:30:00	60.4	63.0	56.9
4-Mar-09	06:35:00	61.1	63.8	57.5
4-Mar-09	06:40:00	62.7	65.0	58.3
4-Mar-09	06:45:00	62.4	65.0	58.4
4-Mar-09	06:50:00	63.9	66.9	59.0
4-Mar-09	06:55:00	63.7	66.2	59.5
4-Mar-09	23:00:00	64.4	66.1	60.9
4-Mar-09	23:05:00	64.6	66.5	61.8
4-Mar-09	23:10:00	66.5	69.5	61.4
4-Mar-09	23:15:00	64.1	66.2	60.5
4-Mar-09	23:20:00	64.9	67.1	61.3
4-Mar-09	23:25:00	64.1	66.1	60.0
4-Mar-09	23:30:00	65.0	67.5	60.2
4-Mar-09	23:35:00	64.2	66.3	59.9
4-Mar-09	23:40:00	64.7	66.5	61.0
4-Mar-09	23:45:00	64.8	67.2	59.7
4-Mar-09	23:50:00	63.5	65.8	59.6
4-Mar-09	23:55:00	64.2	66.9	59.7
	Mean	60.5	63.1	56.7
	Maximum	66.5	69.5	61.8
	Minimum	54.2	54.9	53.3

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
5-Mar-09	00:00:00	62.6	65.0	59.2
5-Mar-09	00:05:00	63.8	65.3	59.6
5-Mar-09	00:10:00	63.3	65.7	59.0
5-Mar-09	00:15:00	62.4	64.7	58.5
5-Mar-09	00:20:00	61.9	64.3	58.5
5-Mar-09	00:25:00	61.9	64.7	56.9
5-Mar-09	00:30:00	63.1	65.8	58.2
5-Mar-09	00:35:00	61.5	63.7	57.2
5-Mar-09	00:40:00	62.1	63.9	57.3
5-Mar-09	00:45:00	60.3	62.8	56.8
5-Mar-09	00:50:00	62.4	65.1	57.1
5-Mar-09	00:55:00	60.7	63.9	56.3
5-Mar-09	01:00:00	61.7	64.1	56.5
5-Mar-09	01:05:00	60.5	63.5	56.1
5-Mar-09	01:10:00	60.3	63.2	55.6
5-Mar-09	01:15:00	59.5	62.4	55.4
5-Mar-09	01:20:00	60.2	63.3	56.1
5-Mar-09	01:25:00	59.5	62.6	55.3
5-Mar-09	01:30:00	59.8	62.4	56.1
5-Mar-09	01:35:00	59.9	62.8	56.3
5-Mar-09	01:40:00	58.6	61.1	55.6
5-Mar-09	01:45:00	59.5	62.2	56.2
5-Mar-09	01:50:00	59.4	62.4	55.6
5-Mar-09	01:55:00	59.1	61.9	55.5
5-Mar-09	02:00:00	58.8	61.7	55.2
5-Mar-09	02:05:00	59.5	62.6	55.1
5-Mar-09	02:10:00	58.1	60.9	54.6
5-Mar-09	02:15:00	60.0	62.3	55.3
5-Mar-09	02:20:00	59.1	62.2	55.3
5-Mar-09	02:25:00	57.4	59.9	54.9
5-Mar-09	02:30:00	59.4	62.8	55.1
5-Mar-09	02:35:00	57.3	59.9	54.8
5-Mar-09	02:40:00	57.2	59.6	55.0
5-Mar-09	02:45:00	58.5	61.5	55.1
5-Mar-09	02:50:00	58.5	61.1	55.2
5-Mar-09	02:55:00	57.2	60.0	54.4
5-Mar-09	03:00:00	57.8	60.9	54.5
5-Mar-09	03:05:00	58.6	61.4	54.5
5-Mar-09	03:10:00	57.5	59.8	54.2
5-Mar-09	03:15:00	56.9	59.1	54.1
5-Mar-09	03:20:00	57.6	60.4	54.3
5-Mar-09	03:25:00	55.8	57.7	54.1
5-Mar-09	03:30:00	57.5	61.1	54.1
5-Mar-09	03:35:00	57.1	60.1	54.2
5-Mar-09	03:40:00	57.9	61.0	54.4
5-Mar-09	03:45:00	57.0	59.8	54.1
5-Mar-09	03:50:00	55.3	57.0	54.0
5-Mar-09	03:55:00	55.9	57.9	54.1
5-Mar-09	04:00:00	56.7	59.3	54.1
5-Mar-09	04:05:00	57.3	60.5	54.2
5-Mar-09	04:10:00	57.2	60.0	54.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
5-Mar-09	04:15:00	56.0	58.1	54.1
5-Mar-09	04:20:00	56.7	59.4	54.1
5-Mar-09	04:25:00	56.7	59.6	54.1
5-Mar-09	04:30:00	55.8	57.6	54.1
5-Mar-09	04:35:00	55.3	56.7	54.0
5-Mar-09	04:40:00	56.3	59.0	54.1
5-Mar-09	04:45:00	56.2	58.9	54.0
5-Mar-09	04:50:00	55.7	58.0	53.7
5-Mar-09	04:55:00	56.1	58.6	53.9
5-Mar-09	05:00:00	55.5	57.1	53.5
5-Mar-09	05:05:00	56.6	59.5	54.0
5-Mar-09	05:10:00	56.1	58.8	54.0
5-Mar-09	05:15:00	55.2	56.7	54.0
5-Mar-09	05:20:00	55.5	57.0	54.0
5-Mar-09	05:25:00	56.2	58.6	54.1
5-Mar-09	05:30:00	56.1	57.9	54.1
5-Mar-09	05:35:00	56.6	59.6	54.1
5-Mar-09	05:40:00	57.3	60.3	54.1
5-Mar-09	05:45:00	57.0	59.6	54.2
5-Mar-09	05:50:00	57.5	60.0	54.3
5-Mar-09	05:55:00	56.3	58.9	54.1
5-Mar-09	06:00:00	58.6	60.9	54.9
5-Mar-09	06:05:00	58.6	60.9	54.6
5-Mar-09	06:10:00	57.0	59.5	54.8
5-Mar-09	06:15:00	58.5	60.9	55.3
5-Mar-09	06:20:00	58.5	61.3	55.4
5-Mar-09	06:25:00	59.3	62.1	55.5
5-Mar-09	06:30:00	59.9	62.5	56.5
5-Mar-09	06:35:00	60.5	62.9	56.6
5-Mar-09	06:40:00	60.9	63.4	57.3
5-Mar-09	06:45:00	61.3	63.9	57.4
5-Mar-09	06:50:00	63.8	65.9	58.8
5-Mar-09	06:55:00	63.8	66.0	59.1
5-Mar-09	23:00:00	65.8	67.7	63.1
5-Mar-09	23:05:00	65.2	66.8	62.6
5-Mar-09	23:10:00	65.1	66.7	63.1
5-Mar-09	23:15:00	65.1	66.6	62.1
5-Mar-09	23:20:00	64.8	66.8	61.6
5-Mar-09	23:25:00	65.1	66.8	62.6
5-Mar-09	23:30:00	64.7	66.4	61.9
5-Mar-09	23:35:00	64.3	66.8	60.8
5-Mar-09	23:40:00	63.8	65.6	60.8
5-Mar-09	23:45:00	63.9	65.8	60.2
5-Mar-09	23:50:00	63.8	65.9	60.4
5-Mar-09	23:55:00	63.9	66.2	60.3
	Mean	60.4	62.8	57.1
	Maximum	65.8	67.7	63.1
	Minimum	55.2	56.7	53.5

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
6-Mar-09	00:00:00	64.4	66.5	60.4
6-Mar-09	00:05:00	62.8	65.0	59.6
6-Mar-09	00:10:00	64.0	66.4	59.8
6-Mar-09	00:15:00	63.0	64.7	60.1
6-Mar-09	00:20:00	61.9	64.3	58.5
6-Mar-09	00:25:00	62.3	64.7	58.4
6-Mar-09	00:30:00	62.4	64.7	59.2
6-Mar-09	00:35:00	63.3	65.4	59.0
6-Mar-09	00:40:00	62.1	63.9	58.9
6-Mar-09	00:45:00	61.5	63.7	58.7
6-Mar-09	00:50:00	62.7	64.7	58.2
6-Mar-09	00:55:00	61.0	63.5	57.7
6-Mar-09	01:00:00	61.1	63.5	57.8
6-Mar-09	01:05:00	62.5	64.7	58.0
6-Mar-09	01:10:00	60.9	63.2	57.7
6-Mar-09	01:15:00	60.1	62.6	57.3
6-Mar-09	01:20:00	60.0	62.6	57.1
6-Mar-09	01:25:00	60.3	62.6	57.1
6-Mar-09	01:30:00	60.1	62.3	57.5
6-Mar-09	01:35:00	60.0	62.7	57.2
6-Mar-09	01:40:00	60.6	63.3	57.1
6-Mar-09	01:45:00	61.1	63.6	57.2
6-Mar-09	01:50:00	60.4	62.9	56.9
6-Mar-09	01:55:00	59.2	61.8	56.3
6-Mar-09	02:00:00	58.9	61.1	56.5
6-Mar-09	02:05:00	61.0	63.8	58.0
6-Mar-09	02:10:00	60.9	63.1	58.7
6-Mar-09	02:15:00	60.8	63.0	58.3
6-Mar-09	02:20:00	61.9	63.9	59.4
6-Mar-09	02:25:00	60.7	62.4	59.0
6-Mar-09	02:30:00	60.4	62.8	58.3
6-Mar-09	02:35:00	60.0	61.8	58.3
6-Mar-09	02:40:00	59.9	62.0	58.0
6-Mar-09	02:45:00	59.8	61.8	58.1
6-Mar-09	02:50:00	60.4	62.6	58.3
6-Mar-09	02:55:00	60.2	62.3	58.3
6-Mar-09	03:00:00	60.4	62.4	58.2
6-Mar-09	03:05:00	59.5	61.5	57.9
6-Mar-09	03:10:00	59.3	61.3	57.3
6-Mar-09	03:15:00	59.7	62.2	57.3
6-Mar-09	03:20:00	59.2	61.3	57.2
6-Mar-09	03:25:00	58.1	59.3	57.1
6-Mar-09	03:30:00	57.9	58.9	56.7
6-Mar-09	03:35:00	58.7	60.6	56.3
6-Mar-09	03:40:00	58.4	60.8	56.2
6-Mar-09	03:45:00	58.1	59.5	56.1
6-Mar-09	03:50:00	57.4	59.3	56.0
6-Mar-09	03:55:00	56.9	58.1	55.4
6-Mar-09	04:00:00	58.5	60.9	55.4
6-Mar-09	04:05:00	57.3	58.9	55.3
6-Mar-09	04:10:00	56.5	57.0	55.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
6-Mar-09	04:15:00	57.1	58.8	55.3
6-Mar-09	04:20:00	57.2	59.4	55.2
6-Mar-09	04:25:00	56.6	58.2	55.1
6-Mar-09	04:30:00	56.6	57.8	55.1
6-Mar-09	04:35:00	57.5	59.9	55.2
6-Mar-09	04:40:00	57.2	59.7	55.2
6-Mar-09	04:45:00	56.6	58.1	55.2
6-Mar-09	04:50:00	57.6	59.3	55.1
6-Mar-09	04:55:00	57.6	60.1	55.2
6-Mar-09	05:00:00	56.4	56.9	55.1
6-Mar-09	05:05:00	58.7	62.2	55.3
6-Mar-09	05:10:00	56.7	58.7	55.1
6-Mar-09	05:15:00	57.4	59.4	55.1
6-Mar-09	05:20:00	57.3	59.6	55.2
6-Mar-09	05:25:00	57.3	59.7	55.2
6-Mar-09	05:30:00	57.4	59.5	55.2
6-Mar-09	05:35:00	57.9	60.4	55.3
6-Mar-09	05:40:00	57.4	59.7	55.2
6-Mar-09	05:45:00	58.2	60.9	55.3
6-Mar-09	05:50:00	58.1	60.9	55.3
6-Mar-09	05:55:00	59.7	62.9	55.5
6-Mar-09	06:00:00	59.0	62.0	55.7
6-Mar-09	06:05:00	58.3	60.5	56.1
6-Mar-09	06:10:00	58.3	60.5	56.1
6-Mar-09	06:15:00	59.0	61.4	56.3
6-Mar-09	06:20:00	59.9	61.8	56.4
6-Mar-09	06:25:00	60.5	63.0	57.3
6-Mar-09	06:30:00	60.3	62.7	57.4
6-Mar-09	06:35:00	63.5	64.9	58.0
6-Mar-09	06:40:00	61.8	64.4	57.7
6-Mar-09	06:45:00	62.3	64.8	58.6
6-Mar-09	06:50:00	63.9	66.6	59.7
6-Mar-09	06:55:00	65.2	68.2	59.2
6-Mar-09	23:00:00	65.8	67.2	64.1
6-Mar-09	23:05:00	66.1	68.0	63.7
6-Mar-09	23:10:00	65.9	67.6	63.5
6-Mar-09	23:15:00	65.6	67.3	63.3
6-Mar-09	23:20:00	65.2	66.9	62.8
6-Mar-09	23:25:00	65.7	67.5	63.2
6-Mar-09	23:30:00	65.3	66.9	62.3
6-Mar-09	23:35:00	66.1	67.9	63.5
6-Mar-09	23:40:00	66.0	67.8	63.6
6-Mar-09	23:45:00	67.2	69.2	64.3
6-Mar-09	23:50:00	66.7	68.3	64.4
6-Mar-09	23:55:00	67.2	68.9	65.0
	Mean	61.6	63.7	58.8
	Maximum	67.2	69.2	65.0
	Minimum	56.4	56.9	55.1

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
7-Mar-09	00:00:00	66.8	68.3	64.8
7-Mar-09	00:05:00	66.5	67.9	64.5
7-Mar-09	00:10:00	66.4	67.8	64.1
7-Mar-09	00:15:00	65.6	67.2	63.2
7-Mar-09	00:20:00	65.5	66.9	63.3
7-Mar-09	00:25:00	65.0	66.7	62.5
7-Mar-09	00:30:00	64.3	66.0	61.2
7-Mar-09	00:35:00	65.0	66.8	61.9
7-Mar-09	00:40:00	64.0	66.1	60.8
7-Mar-09	00:45:00	63.9	65.6	61.3
7-Mar-09	00:50:00	63.8	65.4	59.9
7-Mar-09	00:55:00	63.0	64.9	60.1
7-Mar-09	01:00:00	62.9	65.1	59.3
7-Mar-09	01:05:00	63.8	65.8	59.7
7-Mar-09	01:10:00	62.6	64.9	59.1
7-Mar-09	01:15:00	63.4	64.9	59.8
7-Mar-09	01:20:00	62.2	64.8	58.3
7-Mar-09	01:25:00	61.8	64.2	58.3
7-Mar-09	01:30:00	61.4	63.5	58.3
7-Mar-09	01:35:00	61.7	64.3	57.9
7-Mar-09	01:40:00	61.5	63.9	58.1
7-Mar-09	01:45:00	62.0	64.5	58.0
7-Mar-09	01:50:00	61.7	64.5	58.0
7-Mar-09	01:55:00	61.6	63.9	57.9
7-Mar-09	02:00:00	60.8	63.1	57.8
7-Mar-09	02:05:00	61.7	64.3	58.2
7-Mar-09	02:10:00	61.6	64.1	57.9
7-Mar-09	02:15:00	61.6	64.3	57.5
7-Mar-09	02:20:00	59.7	62.6	56.5
7-Mar-09	02:25:00	61.9	64.5	57.3
7-Mar-09	02:30:00	61.5	64.3	57.4
7-Mar-09	02:35:00	61.6	64.5	57.5
7-Mar-09	02:40:00	60.7	63.6	56.7
7-Mar-09	02:45:00	60.7	63.6	56.7
7-Mar-09	02:50:00	59.9	62.8	56.2
7-Mar-09	02:55:00	61.1	63.9	57.2
7-Mar-09	03:00:00	60.0	63.0	56.4
7-Mar-09	03:05:00	60.9	63.8	56.5
7-Mar-09	03:10:00	60.1	62.9	56.5
7-Mar-09	03:15:00	60.4	63.2	56.6
7-Mar-09	03:20:00	60.3	62.9	56.7
7-Mar-09	03:25:00	61.2	63.8	56.9
7-Mar-09	03:30:00	59.8	62.6	56.2
7-Mar-09	03:35:00	59.9	62.8	56.2
7-Mar-09	03:40:00	60.0	62.8	56.4
7-Mar-09	03:45:00	58.8	61.5	56.1
7-Mar-09	03:50:00	60.5	63.1	56.9
7-Mar-09	03:55:00	58.9	61.9	55.6
7-Mar-09	04:00:00	59.7	62.5	56.3
7-Mar-09	04:05:00	59.9	62.8	56.2
7-Mar-09	04:10:00	58.9	61.9	55.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
7-Mar-09	04:15:00	59.5	62.4	56.2
7-Mar-09	04:20:00	59.7	62.5	56.2
7-Mar-09	04:25:00	59.8	62.8	56.0
7-Mar-09	04:30:00	60.1	63.2	55.8
7-Mar-09	04:35:00	59.1	62.1	55.6
7-Mar-09	04:40:00	59.4	62.5	55.7
7-Mar-09	04:45:00	60.0	63.1	56.0
7-Mar-09	04:50:00	58.6	61.2	55.7
7-Mar-09	04:55:00	59.2	61.9	55.9
7-Mar-09	05:00:00	58.6	61.7	55.3
7-Mar-09	05:05:00	58.0	60.9	55.2
7-Mar-09	05:10:00	58.1	60.7	55.2
7-Mar-09	05:15:00	57.1	59.3	55.2
7-Mar-09	05:20:00	58.7	61.6	55.7
7-Mar-09	05:25:00	57.6	60.2	55.3
7-Mar-09	05:30:00	58.7	61.5	55.7
7-Mar-09	05:35:00	58.6	61.5	55.4
7-Mar-09	05:40:00	58.4	61.0	55.8
7-Mar-09	05:45:00	60.3	63.3	56.2
7-Mar-09	05:50:00	59.7	62.6	56.1
7-Mar-09	05:55:00	60.9	63.7	56.3
7-Mar-09	06:00:00	60.8	63.5	56.5
7-Mar-09	06:05:00	59.4	62.0	56.4
7-Mar-09	06:10:00	59.1	61.4	56.3
7-Mar-09	06:15:00	59.7	62.6	56.5
7-Mar-09	06:20:00	59.1	61.6	56.4
7-Mar-09	06:25:00	61.2	64.2	57.1
7-Mar-09	06:30:00	60.0	62.9	56.4
7-Mar-09	06:35:00	60.9	63.6	56.5
7-Mar-09	06:40:00	60.9	63.7	57.5
7-Mar-09	06:45:00	62.9	65.2	59.4
7-Mar-09	06:50:00	62.0	64.9	58.2
7-Mar-09	06:55:00	63.2	65.6	58.9
7-Mar-09	23:00:00	64.7	66.8	61.1
7-Mar-09	23:05:00	64.7	66.6	61.0
7-Mar-09	23:10:00	64.8	66.6	61.7
7-Mar-09	23:15:00	66.3	68.5	62.8
7-Mar-09	23:20:00	64.6	66.7	61.5
7-Mar-09	23:25:00	64.6	66.8	60.4
7-Mar-09	23:30:00	65.2	67.5	60.8
7-Mar-09	23:35:00	64.6	66.4	61.5
7-Mar-09	23:40:00	65.7	67.4	61.8
7-Mar-09	23:45:00	64.8	66.7	61.7
7-Mar-09	23:50:00	64.1	66.2	60.5
7-Mar-09	23:55:00	64.7	66.9	60.4
	Mean	62.2	64.5	58.9
	Maximum	66.8	68.5	64.8
	Minimum	57.1	59.3	55.2

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
8-Mar-09	00:00:00	65.3	67.0	62.4
8-Mar-09	00:05:00	64.4	66.4	61.6
8-Mar-09	00:10:00	64.6	66.3	61.7
8-Mar-09	00:15:00	64.9	66.8	60.5
8-Mar-09	00:20:00	64.3	66.7	60.4
8-Mar-09	00:25:00	64.0	65.9	59.6
8-Mar-09	00:30:00	62.6	64.8	58.7
8-Mar-09	00:35:00	63.7	66.0	60.1
8-Mar-09	00:40:00	63.5	65.9	58.8
8-Mar-09	00:45:00	63.0	65.3	59.3
8-Mar-09	00:50:00	63.1	65.7	58.6
8-Mar-09	00:55:00	63.0	65.3	59.1
8-Mar-09	01:00:00	62.4	64.9	57.9
8-Mar-09	01:05:00	62.7	65.1	59.0
8-Mar-09	01:10:00	62.5	64.9	58.0
8-Mar-09	01:15:00	62.7	64.9	58.9
8-Mar-09	01:20:00	62.3	64.7	59.0
8-Mar-09	01:25:00	62.0	64.8	58.2
8-Mar-09	01:30:00	61.8	64.3	58.1
8-Mar-09	01:35:00	62.0	64.0	58.3
8-Mar-09	01:40:00	61.9	64.3	58.2
8-Mar-09	01:45:00	62.5	65.1	58.4
8-Mar-09	01:50:00	61.1	63.7	57.2
8-Mar-09	01:55:00	61.4	64.1	57.3
8-Mar-09	02:00:00	61.4	64.1	56.7
8-Mar-09	02:05:00	61.2	63.7	56.8
8-Mar-09	02:10:00	60.7	63.7	56.5
8-Mar-09	02:15:00	61.6	63.8	57.3
8-Mar-09	02:20:00	60.7	63.4	56.5
8-Mar-09	02:25:00	61.4	64.2	57.3
8-Mar-09	02:30:00	61.3	63.9	56.9
8-Mar-09	02:35:00	60.4	63.2	56.3
8-Mar-09	02:40:00	60.7	63.7	56.4
8-Mar-09	02:45:00	61.2	63.9	57.1
8-Mar-09	02:50:00	60.6	63.3	56.7
8-Mar-09	02:55:00	59.8	62.5	56.4
8-Mar-09	03:00:00	59.8	62.4	56.4
8-Mar-09	03:05:00	59.7	62.4	56.3
8-Mar-09	03:10:00	59.7	62.5	56.4
8-Mar-09	03:15:00	60.3	63.1	56.4
8-Mar-09	03:20:00	59.8	62.6	55.9
8-Mar-09	03:25:00	61.0	63.4	57.5
8-Mar-09	03:30:00	59.8	62.3	56.5
8-Mar-09	03:35:00	59.8	62.8	56.1
8-Mar-09	03:40:00	59.7	62.6	56.2
8-Mar-09	03:45:00	60.9	63.6	56.6
8-Mar-09	03:50:00	59.5	61.9	56.3
8-Mar-09	03:55:00	59.9	62.8	56.5
8-Mar-09	04:00:00	59.6	62.7	56.1
8-Mar-09	04:05:00	60.0	62.8	56.2
8-Mar-09	04:10:00	59.9	62.8	56.3

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
8-Mar-09	04:15:00	59.7	62.3	56.2
8-Mar-09	04:20:00	59.7	62.5	56.0
8-Mar-09	04:25:00	59.0	62.0	55.4
8-Mar-09	04:30:00	59.1	61.6	55.9
8-Mar-09	04:35:00	59.1	62.0	55.6
8-Mar-09	04:40:00	58.1	60.8	55.2
8-Mar-09	04:45:00	58.6	61.8	55.2
8-Mar-09	04:50:00	59.1	61.8	55.5
8-Mar-09	04:55:00	58.7	61.5	55.7
8-Mar-09	05:00:00	59.2	62.5	55.4
8-Mar-09	05:05:00	58.4	61.1	55.3
8-Mar-09	05:10:00	59.0	61.5	55.3
8-Mar-09	05:15:00	58.5	60.9	55.6
8-Mar-09	05:20:00	58.7	61.5	55.3
8-Mar-09	05:25:00	58.7	62.0	55.2
8-Mar-09	05:30:00	59.8	62.0	55.4
8-Mar-09	05:35:00	58.7	61.6	55.2
8-Mar-09	05:40:00	59.0	62.0	55.5
8-Mar-09	05:45:00	59.2	61.8	55.4
8-Mar-09	05:50:00	58.5	61.4	55.2
8-Mar-09	05:55:00	58.2	60.9	55.2
8-Mar-09	06:00:00	58.8	61.9	55.1
8-Mar-09	06:05:00	58.3	61.2	55.2
8-Mar-09	06:10:00	58.7	61.6	55.4
8-Mar-09	06:15:00	60.7	61.5	55.4
8-Mar-09	06:20:00	63.6	63.9	56.0
8-Mar-09	06:25:00	58.7	61.6	56.0
8-Mar-09	06:30:00	59.2	62.2	55.7
8-Mar-09	06:35:00	61.3	64.3	56.0
8-Mar-09	06:40:00	60.4	63.0	56.7
8-Mar-09	06:45:00	60.9	63.5	57.0
8-Mar-09	06:50:00	60.9	63.4	56.9
8-Mar-09	06:55:00	60.9	63.1	57.3
8-Mar-09	23:00:00	65.5	67.3	62.5
8-Mar-09	23:05:00	64.6	66.7	61.5
8-Mar-09	23:10:00	65.1	67.3	61.5
8-Mar-09	23:15:00	64.5	66.6	61.2
8-Mar-09	23:20:00	63.8	65.9	61.2
8-Mar-09	23:25:00	64.0	65.9	60.8
8-Mar-09	23:30:00	64.2	66.6	60.8
8-Mar-09	23:35:00	64.0	66.1	60.8
8-Mar-09	23:40:00	63.3	65.3	60.3
8-Mar-09	23:45:00	65.0	66.8	61.0
8-Mar-09	23:50:00	63.5	65.9	59.8
8-Mar-09	23:55:00	63.5	65.6	59.6
	Mean	61.7	64.1	58.0
	Maximum	65.5	67.3	62.5
	Minimum	58.1	60.8	55.1

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
9-Mar-09	00:00:00	64.0	65.9	59.0
9-Mar-09	00:05:00	63.2	65.9	59.1
9-Mar-09	00:10:00	63.1	65.6	59.0
9-Mar-09	00:15:00	61.7	64.4	58.2
9-Mar-09	00:20:00	63.1	65.5	58.0
9-Mar-09	00:25:00	63.1	65.0	58.1
9-Mar-09	00:30:00	62.6	64.8	58.8
9-Mar-09	00:35:00	61.2	63.6	57.3
9-Mar-09	00:40:00	63.6	66.3	57.5
9-Mar-09	00:45:00	60.9	63.2	57.1
9-Mar-09	00:50:00	61.0	62.9	57.0
9-Mar-09	00:55:00	60.7	63.5	56.3
9-Mar-09	01:00:00	60.5	63.5	56.3
9-Mar-09	01:05:00	59.2	61.8	56.4
9-Mar-09	01:10:00	59.5	62.3	56.3
9-Mar-09	01:15:00	59.0	62.2	56.0
9-Mar-09	01:20:00	58.8	61.3	56.2
9-Mar-09	01:25:00	59.3	62.0	56.1
9-Mar-09	01:30:00	58.9	61.8	55.8
9-Mar-09	01:35:00	59.8	62.9	55.6
9-Mar-09	01:40:00	58.3	60.8	55.4
9-Mar-09	01:45:00	59.0	61.8	56.1
9-Mar-09	01:50:00	58.6	61.1	56.2
9-Mar-09	01:55:00	58.4	60.8	56.1
9-Mar-09	02:00:00	57.8	60.3	55.4
9-Mar-09	02:05:00	58.1	61.1	55.4
9-Mar-09	02:10:00	58.2	60.7	55.3
9-Mar-09	02:15:00	57.7	61.0	55.1
9-Mar-09	02:20:00	57.3	59.7	55.1
9-Mar-09	02:25:00	57.1	59.5	55.0
9-Mar-09	02:30:00	58.1	60.8	55.3
9-Mar-09	02:35:00	56.7	58.6	55.0
9-Mar-09	02:40:00	57.9	60.7	55.0
9-Mar-09	02:45:00	57.3	59.8	55.0
9-Mar-09	02:50:00	57.5	59.8	55.1
9-Mar-09	02:55:00	57.6	60.3	55.1
9-Mar-09	03:00:00	57.7	60.0	55.2
9-Mar-09	03:05:00	57.9	60.3	55.3
9-Mar-09	03:10:00	58.1	60.7	55.2
9-Mar-09	03:15:00	57.8	60.6	55.2
9-Mar-09	03:20:00	57.0	59.1	55.2
9-Mar-09	03:25:00	57.0	59.1	55.0
9-Mar-09	03:30:00	55.5	55.9	54.8
9-Mar-09	03:35:00	55.7	56.0	54.9
9-Mar-09	03:40:00	56.2	57.4	55.0
9-Mar-09	03:45:00	57.4	59.4	55.1
9-Mar-09	03:50:00	55.9	56.7	55.1
9-Mar-09	03:55:00	57.1	59.5	55.1
9-Mar-09	04:00:00	56.6	58.2	55.1
9-Mar-09	04:05:00	56.2	57.0	55.0
9-Mar-09	04:10:00	56.7	57.9	55.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
9-Mar-09	04:15:00	55.9	56.7	55.0
9-Mar-09	04:20:00	56.6	58.7	55.0
9-Mar-09	04:25:00	56.1	57.1	55.0
9-Mar-09	04:30:00	56.2	57.3	55.0
9-Mar-09	04:35:00	55.8	56.4	55.0
9-Mar-09	04:40:00	55.9	56.5	55.0
9-Mar-09	04:45:00	56.6	58.1	55.1
9-Mar-09	04:50:00	57.6	60.3	55.2
9-Mar-09	04:55:00	56.3	57.1	55.1
9-Mar-09	05:00:00	56.1	56.9	55.0
9-Mar-09	05:05:00	56.4	57.8	55.1
9-Mar-09	05:10:00	56.5	57.9	55.1
9-Mar-09	05:15:00	56.9	59.0	55.0
9-Mar-09	05:20:00	57.6	59.7	55.1
9-Mar-09	05:25:00	56.9	59.0	55.1
9-Mar-09	05:30:00	56.3	57.9	55.1
9-Mar-09	05:35:00	57.0	59.2	55.1
9-Mar-09	05:40:00	57.6	60.3	55.2
9-Mar-09	05:45:00	58.6	62.1	55.3
9-Mar-09	05:50:00	58.1	60.6	55.3
9-Mar-09	05:55:00	58.3	60.9	55.3
9-Mar-09	06:00:00	59.5	62.5	55.5
9-Mar-09	06:05:00	59.7	62.2	55.8
9-Mar-09	06:10:00	59.0	61.7	55.9
9-Mar-09	06:15:00	59.9	62.7	56.4
9-Mar-09	06:20:00	59.7	62.3	56.6
9-Mar-09	06:25:00	59.8	62.4	56.5
9-Mar-09	06:30:00	60.1	62.8	56.4
9-Mar-09	06:35:00	61.8	64.6	57.8
9-Mar-09	06:40:00	61.7	64.4	57.7
9-Mar-09	06:45:00	62.8	65.2	59.3
9-Mar-09	06:50:00	64.6	66.4	58.8
9-Mar-09	06:55:00	63.9	66.4	59.6
9-Mar-09	23:00:00	64.7	66.9	60.7
9-Mar-09	23:05:00	64.2	66.4	60.5
9-Mar-09	23:10:00	64.6	66.9	59.9
9-Mar-09	23:15:00	63.9	66.7	59.9
9-Mar-09	23:20:00	62.9	65.6	58.8
9-Mar-09	23:25:00	64.4	66.9	60.2
9-Mar-09	23:30:00	64.2	66.5	60.9
9-Mar-09	23:35:00	63.8	65.9	60.0
9-Mar-09	23:40:00	63.9	65.8	60.0
9-Mar-09	23:45:00	64.2	66.7	60.6
9-Mar-09	23:50:00	62.8	65.2	59.0
9-Mar-09	23:55:00	63.6	65.0	58.6
	Mean	60.3	62.6	56.9
	Maximum	64.7	66.9	60.9
	Minimum	55.5	55.9	54.8



## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
10-Mar-09	00:00:00	63.8	66.2	60.3
10-Mar-09	00:05:00	62.2	64.4	58.6
10-Mar-09	00:10:00	63.1	66.2	59.1
10-Mar-09	00:15:00	62.4	64.6	59.2
10-Mar-09	00:20:00	62.6	64.8	57.4
10-Mar-09	00:25:00	63.1	65.4	58.7
10-Mar-09	00:30:00	62.8	66.2	57.6
10-Mar-09	00:35:00	61.4	63.9	57.6
10-Mar-09	00:40:00	61.9	64.6	57.2
10-Mar-09	00:45:00	60.3	62.9	57.1
10-Mar-09	00:50:00	61.1	63.9	56.9
10-Mar-09	00:55:00	60.7	63.3	56.9
10-Mar-09	01:00:00	60.9	63.2	57.7
10-Mar-09	01:05:00	61.0	63.6	57.1
10-Mar-09	01:10:00	60.9	63.5	56.7
10-Mar-09	01:15:00	60.4	63.2	56.6
10-Mar-09	01:20:00	59.6	62.2	56.5
10-Mar-09	01:25:00	59.6	62.3	56.3
10-Mar-09	01:30:00	58.3	60.7	56.0
10-Mar-09	01:35:00	58.9	61.8	55.7
10-Mar-09	01:40:00	58.7	61.6	55.5
10-Mar-09	01:45:00	58.3	60.8	55.7
10-Mar-09	01:50:00	59.8	62.6	56.3
10-Mar-09	01:55:00	58.9	61.9	55.4
10-Mar-09	02:00:00	58.2	60.7	55.4
10-Mar-09	02:05:00	58.3	61.0	55.5
10-Mar-09	02:10:00	59.1	61.5	56.4
10-Mar-09	02:15:00	60.9	62.8	56.5
10-Mar-09	02:20:00	58.8	61.9	55.7
10-Mar-09	02:25:00	58.8	61.6	55.9
10-Mar-09	02:30:00	59.7	62.7	56.0
10-Mar-09	02:35:00	58.0	60.6	55.4
10-Mar-09	02:40:00	59.3	62.4	56.0
10-Mar-09	02:45:00	58.4	61.2	55.3
10-Mar-09	02:50:00	57.0	59.0	55.1
10-Mar-09	02:55:00	56.5	57.9	55.1
10-Mar-09	03:00:00	58.8	61.9	55.4
10-Mar-09	03:05:00	57.3	59.3	55.2
10-Mar-09	03:10:00	57.6	60.6	55.1
10-Mar-09	03:15:00	57.3	59.9	55.1
10-Mar-09	03:20:00	57.6	60.4	55.1
10-Mar-09	03:25:00	57.4	59.8	55.0
10-Mar-09	03:30:00	57.1	59.1	55.1
10-Mar-09	03:35:00	57.5	59.8	55.3
10-Mar-09	03:40:00	58.0	60.7	55.3
10-Mar-09	03:45:00	57.4	59.5	55.1
10-Mar-09	03:50:00	57.5	60.1	55.0
10-Mar-09	03:55:00	57.2	59.7	55.1
10-Mar-09	04:00:00	57.3	59.7	55.2
10-Mar-09	04:05:00	56.9	58.5	55.0
10-Mar-09	04:10:00	57.2	59.2	55.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
10-Mar-09	04:15:00	56.7	58.1	55.0
10-Mar-09	04:20:00	55.9	56.9	54.7
10-Mar-09	04:25:00	56.5	58.5	55.0
10-Mar-09	04:30:00	57.8	60.8	55.0
10-Mar-09	04:35:00	57.0	59.0	54.5
10-Mar-09	04:40:00	56.0	57.3	54.2
10-Mar-09	04:45:00	56.2	57.6	54.3
10-Mar-09	04:50:00	56.4	58.6	54.2
10-Mar-09	04:55:00	56.0	57.4	54.3
10-Mar-09	05:00:00	56.8	59.3	54.6
10-Mar-09	05:05:00	56.0	57.2	54.3
10-Mar-09	05:10:00	56.6	58.6	54.9
10-Mar-09	05:15:00	59.1	61.4	55.1
10-Mar-09	05:20:00	56.9	59.6	54.5
10-Mar-09	05:25:00	57.2	59.8	54.9
10-Mar-09	05:30:00	56.8	58.9	54.6
10-Mar-09	05:35:00	57.9	60.7	55.0
10-Mar-09	05:40:00	56.7	58.6	55.0
10-Mar-09	05:45:00	58.5	61.5	55.1
10-Mar-09	05:50:00	58.7	61.4	55.1
10-Mar-09	05:55:00	58.6	61.2	55.2
10-Mar-09	06:00:00	57.6	59.9	55.0
10-Mar-09	06:05:00	59.2	61.9	55.3
10-Mar-09	06:10:00	59.3	62.3	55.6
10-Mar-09	06:15:00	59.9	62.5	56.2
10-Mar-09	06:20:00	60.1	63.1	56.4
10-Mar-09	06:25:00	60.0	62.7	56.5
10-Mar-09	06:30:00	61.3	64.0	57.4
10-Mar-09	06:35:00	63.2	65.8	59.1
10-Mar-09	06:40:00	62.1	64.9	58.1
10-Mar-09	06:45:00	62.9	65.5	58.5
10-Mar-09	06:50:00	63.8	66.0	58.8
10-Mar-09	06:55:00	64.0	66.7	59.6
10-Mar-09	23:00:00	66.2	67.5	62.5
10-Mar-09	23:05:00	64.3	66.3	60.7
10-Mar-09	23:10:00	65.1	67.4	61.2
10-Mar-09	23:15:00	64.9	67.0	61.1
10-Mar-09	23:20:00	65.1	66.7	61.1
10-Mar-09	23:25:00	64.2	66.6	60.5
10-Mar-09	23:30:00	64.4	66.7	60.4
10-Mar-09	23:35:00	64.3	65.9	60.1
10-Mar-09	23:40:00	63.8	65.8	60.0
10-Mar-09	23:45:00	64.0	65.8	60.3
10-Mar-09	23:50:00	63.3	65.7	59.7
10-Mar-09	23:55:00	63.4	65.7	59.2
	Mean	60.6	63.0	57.1
	Maximum	66.2	67.5	62.5
	Minimum	55.9	56.9	54.2

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Mar-09	00:00:00	65.0	67.6	61.0
11-Mar-09	00:05:00	63.3	65.5	59.2
11-Mar-09	00:10:00	63.0	65.4	58.4
11-Mar-09	00:15:00	61.8	64.3	58.2
11-Mar-09	00:20:00	62.5	65.0	57.8
11-Mar-09	00:25:00	62.5	64.9	58.3
11-Mar-09	00:30:00	62.7	65.7	57.9
11-Mar-09	00:35:00	62.1	63.9	57.3
11-Mar-09	00:40:00	62.0	64.5	57.6
11-Mar-09	00:45:00	60.6	63.3	57.0
11-Mar-09	00:50:00	61.5	64.2	56.7
11-Mar-09	00:55:00	61.3	64.3	56.9
11-Mar-09	01:00:00	60.6	63.5	56.5
11-Mar-09	01:05:00	61.5	64.6	56.5
11-Mar-09	01:10:00	59.4	62.1	56.1
11-Mar-09	01:15:00	59.3	62.2	55.4
11-Mar-09	01:20:00	59.9	62.6	55.7
11-Mar-09	01:25:00	59.1	61.9	56.0
11-Mar-09	01:30:00	59.9	62.8	56.1
11-Mar-09	01:35:00	60.1	63.0	56.0
11-Mar-09	01:40:00	59.1	62.1	55.3
11-Mar-09	01:45:00	59.8	62.7	55.5
11-Mar-09	01:50:00	58.5	61.6	55.2
11-Mar-09	01:55:00	58.5	61.4	55.1
11-Mar-09	02:00:00	57.7	60.5	55.0
11-Mar-09	02:05:00	59.0	62.0	55.4
11-Mar-09	02:10:00	59.6	62.8	55.6
11-Mar-09	02:15:00	59.5	62.2	55.2
11-Mar-09	02:20:00	59.9	62.8	55.6
11-Mar-09	02:25:00	58.3	61.2	55.1
11-Mar-09	02:30:00	57.9	60.6	54.8
11-Mar-09	02:35:00	58.3	61.4	54.6
11-Mar-09	02:40:00	56.9	59.3	54.2
11-Mar-09	02:45:00	56.7	59.4	54.2
11-Mar-09	02:50:00	60.7	64.8	54.5
11-Mar-09	02:55:00	57.8	60.8	54.8
11-Mar-09	03:00:00	58.5	62.2	54.4
11-Mar-09	03:05:00	58.7	62.1	54.5
11-Mar-09	03:10:00	57.9	60.5	54.3
11-Mar-09	03:15:00	57.1	59.5	54.4
11-Mar-09	03:20:00	57.1	59.8	54.5
11-Mar-09	03:25:00	57.0	59.7	54.2
11-Mar-09	03:30:00	56.8	59.4	54.3
11-Mar-09	03:35:00	57.5	60.5	54.3
11-Mar-09	03:40:00	56.0	58.1	54.1
11-Mar-09	03:45:00	57.7	61.4	54.1
11-Mar-09	03:50:00	56.1	58.4	54.1
11-Mar-09	03:55:00	58.0	60.8	54.1
11-Mar-09	04:00:00	56.9	59.8	54.0
11-Mar-09	04:05:00	56.1	58.6	54.0
11-Mar-09	04:10:00	55.6	57.6	54.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Mar-09	04:15:00	56.6	59.4	54.1
11-Mar-09	04:20:00	56.0	58.4	54.1
11-Mar-09	04:25:00	56.2	58.1	54.2
11-Mar-09	04:30:00	56.3	58.0	54.3
11-Mar-09	04:35:00	55.7	57.6	54.1
11-Mar-09	04:40:00	55.1	55.8	54.1
11-Mar-09	04:45:00	55.4	56.5	54.0
11-Mar-09	04:50:00	56.7	59.0	54.2
11-Mar-09	04:55:00	56.5	58.5	54.1
11-Mar-09	05:00:00	58.3	60.5	54.3
11-Mar-09	05:05:00	55.8	57.1	54.1
11-Mar-09	05:10:00	56.3	58.3	54.2
11-Mar-09	05:15:00	56.4	58.9	54.2
11-Mar-09	05:20:00	55.8	57.2	54.1
11-Mar-09	05:25:00	57.3	60.2	54.4
11-Mar-09	05:30:00	56.6	58.9	54.3
11-Mar-09	05:35:00	57.2	60.0	54.2
11-Mar-09	05:40:00	57.9	61.0	54.3
11-Mar-09	05:45:00	58.3	61.4	54.5
11-Mar-09	05:50:00	57.3	60.7	54.3
11-Mar-09	05:55:00	59.1	61.9	54.9
11-Mar-09	06:00:00	58.8	61.5	55.3
11-Mar-09	06:05:00	58.7	61.7	55.3
11-Mar-09	06:10:00	58.4	61.1	55.5
11-Mar-09	06:15:00	59.3	61.8	56.2
11-Mar-09	06:20:00	59.6	62.3	56.3
11-Mar-09	06:25:00	60.3	63.0	57.3
11-Mar-09	06:30:00	61.0	63.6	57.3
11-Mar-09	06:35:00	61.7	64.3	57.5
11-Mar-09	06:40:00	61.8	64.7	58.1
11-Mar-09	06:45:00	63.4	66.0	59.3
11-Mar-09	06:50:00	64.2	66.6	59.4
11-Mar-09	06:55:00	62.6	64.9	59.4
11-Mar-09	23:00:00	65.1	66.9	61.8
11-Mar-09	23:05:00	65.0	66.8	62.6
11-Mar-09	23:10:00	65.9	67.7	62.0
11-Mar-09	23:15:00	64.6	66.3	61.3
11-Mar-09	23:20:00	63.4	65.5	60.3
11-Mar-09	23:25:00	64.4	66.6	60.7
11-Mar-09	23:30:00	64.4	66.6	60.9
11-Mar-09	23:35:00	64.6	66.8	61.1
11-Mar-09	23:40:00	64.4	66.5	60.7
11-Mar-09	23:45:00	64.2	65.9	61.4
11-Mar-09	23:50:00	64.4	66.3	60.7
11-Mar-09	23:55:00	64.0	66.5	59.3
	Mean	60.6	63.1	57.0
	Maximum	65.9	67.7	62.6
	Minimum	55.1	55.8	54.0

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Mar-09	00:00:00	63.6	65.5	59.2
12-Mar-09	00:05:00	63.5	65.7	59.7
12-Mar-09	00:10:00	62.4	65.1	57.9
12-Mar-09	00:15:00	62.0	64.5	57.7
12-Mar-09	00:20:00	62.5	64.7	58.0
12-Mar-09	00:25:00	62.5	64.7	58.7
12-Mar-09	00:30:00	62.6	65.0	58.2
12-Mar-09	00:35:00	62.1	64.8	57.9
12-Mar-09	00:40:00	62.0	64.2	57.8
12-Mar-09	00:45:00	61.9	63.9	58.8
12-Mar-09	00:50:00	62.1	65.1	58.2
12-Mar-09	00:55:00	61.3	63.6	58.1
12-Mar-09	01:00:00	61.4	64.2	57.5
12-Mar-09	01:05:00	63.1	65.1	56.9
12-Mar-09	01:10:00	60.2	63.3	56.2
12-Mar-09	01:15:00	60.5	63.5	56.2
12-Mar-09	01:20:00	59.3	62.4	55.4
12-Mar-09	01:25:00	60.5	63.4	56.3
12-Mar-09	01:30:00	60.2	63.1	56.1
12-Mar-09	01:35:00	59.4	62.2	55.6
12-Mar-09	01:40:00	58.7	61.7	55.3
12-Mar-09	01:45:00	59.4	62.4	55.4
12-Mar-09	01:50:00	59.6	62.5	55.8
12-Mar-09	01:55:00	58.8	61.9	55.5
12-Mar-09	02:00:00	59.1	62.2	55.2
12-Mar-09	02:05:00	59.4	62.4	55.5
12-Mar-09	02:10:00	59.0	61.6	56.1
12-Mar-09	02:15:00	58.8	61.7	55.8
12-Mar-09	02:20:00	59.3	62.3	55.4
12-Mar-09	02:25:00	58.4	61.4	55.0
12-Mar-09	02:30:00	58.7	61.8	55.2
12-Mar-09	02:35:00	58.9	61.6	55.3
12-Mar-09	02:40:00	59.2	61.9	55.3
12-Mar-09	02:45:00	58.0	60.9	54.8
12-Mar-09	02:50:00	59.4	62.5	55.1
12-Mar-09	02:55:00	58.6	61.7	55.0
12-Mar-09	03:00:00	59.0	62.0	54.8
12-Mar-09	03:05:00	57.5	60.2	54.7
12-Mar-09	03:10:00	56.8	59.6	54.2
12-Mar-09	03:15:00	58.0	60.7	55.0
12-Mar-09	03:20:00	58.0	60.7	55.0
12-Mar-09	03:25:00	57.8	60.8	54.5
12-Mar-09	03:30:00	57.8	61.0	54.4
12-Mar-09	03:35:00	58.5	61.1	55.0
12-Mar-09	03:40:00	56.7	59.2	54.3
12-Mar-09	03:45:00	57.4	60.0	54.3
12-Mar-09	03:50:00	57.7	60.6	54.6
12-Mar-09	03:55:00	57.0	59.7	54.3
12-Mar-09	04:00:00	56.9	59.8	54.2
12-Mar-09	04:05:00	56.3	58.9	54.1
12-Mar-09	04:10:00	56.0	57.6	54.1

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Mar-09	04:15:00	56.6	58.8	54.1
12-Mar-09	04:20:00	56.1	57.9	54.1
12-Mar-09	04:25:00	55.7	56.6	54.2
12-Mar-09	04:30:00	57.0	59.6	54.2
12-Mar-09	04:35:00	56.2	58.1	54.1
12-Mar-09	04:40:00	55.5	56.5	54.2
12-Mar-09	04:45:00	56.1	58.1	54.2
12-Mar-09	04:50:00	56.8	59.4	54.2
12-Mar-09	04:55:00	58.0	61.0	54.3
12-Mar-09	05:00:00	57.5	60.5	54.2
12-Mar-09	05:05:00	58.3	60.8	54.6
12-Mar-09	05:10:00	56.7	58.5	54.3
12-Mar-09	05:15:00	56.1	58.5	54.1
12-Mar-09	05:20:00	56.2	58.6	54.2
12-Mar-09	05:25:00	58.4	60.9	54.2
12-Mar-09	05:30:00	55.4	56.5	54.0
12-Mar-09	05:35:00	57.3	60.3	54.3
12-Mar-09	05:40:00	56.2	57.6	54.2
12-Mar-09	05:45:00	57.1	59.8	54.3
12-Mar-09	05:50:00	58.6	61.2	55.1
12-Mar-09	05:55:00	58.7	62.0	55.2
12-Mar-09	06:00:00	59.0	61.8	55.4
12-Mar-09	06:05:00	58.3	61.4	55.2
12-Mar-09	06:10:00	58.8	62.0	55.4
12-Mar-09	06:15:00	59.3	62.0	56.0
12-Mar-09	06:20:00	60.2	62.8	56.4
12-Mar-09	06:25:00	59.6	62.5	56.3
12-Mar-09	06:30:00	61.2	64.4	56.9
12-Mar-09	06:35:00	60.5	63.1	57.0
12-Mar-09	06:40:00	62.7	65.3	58.8
12-Mar-09	06:45:00	63.2	65.9	59.3
12-Mar-09	06:50:00	64.8	66.7	59.5
12-Mar-09	06:55:00	63.7	66.2	59.5
12-Mar-09	23:00:00	64.3	66.0	61.6
12-Mar-09	23:05:00	64.3	66.3	61.2
12-Mar-09	23:10:00	65.2	66.8	62.1
12-Mar-09	23:15:00	65.6	67.9	61.2
12-Mar-09	23:20:00	63.9	65.9	60.6
12-Mar-09	23:25:00	64.3	66.2	60.6
12-Mar-09	23:30:00	64.2	66.6	60.9
12-Mar-09	23:35:00	64.9	66.7	60.8
12-Mar-09	23:40:00	64.6	67.4	60.0
12-Mar-09	23:45:00	64.0	66.4	59.5
12-Mar-09	23:50:00	63.9	65.8	60.4
12-Mar-09	23:55:00	63.3	65.4	59.4
	Mean	60.7	63.1	57.0
	Maximum	65.6	67.9	62.1
	Minimum	55.4	56.5	54.0

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Mar-09	00:00:00	64.6	68.0	60.0
13-Mar-09	00:05:00	63.4	65.3	60.3
13-Mar-09	00:10:00	63.2	65.6	58.8
13-Mar-09	00:15:00	62.7	65.2	58.7
13-Mar-09	00:20:00	62.8	65.0	58.3
13-Mar-09	00:25:00	61.6	63.7	58.0
13-Mar-09	00:30:00	62.7	64.9	58.6
13-Mar-09	00:35:00	62.7	64.8	58.3
13-Mar-09	00:40:00	63.4	64.6	58.7
13-Mar-09	00:45:00	62.6	65.2	57.9
13-Mar-09	00:50:00	61.3	63.8	56.8
13-Mar-09	00:55:00	61.1	63.6	57.4
13-Mar-09	01:00:00	60.9	63.6	57.2
13-Mar-09	01:05:00	62.6	64.6	57.6
13-Mar-09	01:10:00	59.6	62.4	55.9
13-Mar-09	01:15:00	60.1	62.7	56.2
13-Mar-09	01:20:00	59.6	62.2	56.1
13-Mar-09	01:25:00	59.6	62.6	55.8
13-Mar-09	01:30:00	59.8	62.2	56.2
13-Mar-09	01:35:00	60.4	63.3	55.8
13-Mar-09	01:40:00	59.8	62.6	56.1
13-Mar-09	01:45:00	59.0	61.6	55.7
13-Mar-09	01:50:00	59.9	62.5	56.1
13-Mar-09	01:55:00	59.2	62.2	55.4
13-Mar-09	02:00:00	58.4	61.3	55.2
13-Mar-09	02:05:00	58.5	61.4	55.2
13-Mar-09	02:10:00	58.4	60.9	55.2
13-Mar-09	02:15:00	58.6	61.5	55.3
13-Mar-09	02:20:00	58.9	61.8	55.3
13-Mar-09	02:25:00	58.8	61.8	55.3
13-Mar-09	02:30:00	59.3	61.8	55.2
13-Mar-09	02:35:00	57.5	60.7	54.3
13-Mar-09	02:40:00	58.1	61.0	54.6
13-Mar-09	02:45:00	56.7	58.8	54.8
13-Mar-09	02:50:00	57.2	59.7	54.9
13-Mar-09	02:55:00	58.3	61.2	55.1
13-Mar-09	03:00:00	58.3	61.4	55.1
13-Mar-09	03:05:00	58.3	61.5	55.1
13-Mar-09	03:10:00	58.0	60.8	55.3
13-Mar-09	03:15:00	57.5	59.9	54.9
13-Mar-09	03:20:00	57.0	59.7	55.0
13-Mar-09	03:25:00	57.8	60.8	54.9
13-Mar-09	03:30:00	57.6	60.8	54.3
13-Mar-09	03:35:00	56.9	59.5	54.3
13-Mar-09	03:40:00	56.8	59.5	54.2
13-Mar-09	03:45:00	57.6	60.6	54.5
13-Mar-09	03:50:00	56.8	59.7	54.2
13-Mar-09	03:55:00	58.6	62.1	54.3
13-Mar-09	04:00:00	56.8	59.4	54.1
13-Mar-09	04:05:00	55.8	57.6	54.0
13-Mar-09	04:10:00	56.0	58.3	54.1

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Mar-09	04:15:00	55.7	57.9	54.0
13-Mar-09	04:20:00	56.2	58.8	54.1
13-Mar-09	04:25:00	56.7	59.5	54.2
13-Mar-09	04:30:00	56.3	58.8	54.1
13-Mar-09	04:35:00	56.0	57.7	54.1
13-Mar-09	04:40:00	56.3	58.4	54.1
13-Mar-09	04:45:00	56.7	59.0	54.2
13-Mar-09	04:50:00	56.3	58.4	54.3
13-Mar-09	04:55:00	57.2	59.8	54.4
13-Mar-09	05:00:00	57.2	59.9	54.6
13-Mar-09	05:05:00	56.3	57.8	55.0
13-Mar-09	05:10:00	56.8	59.2	54.6
13-Mar-09	05:15:00	56.4	58.3	54.4
13-Mar-09	05:20:00	57.0	59.7	54.2
13-Mar-09	05:25:00	56.7	59.1	54.3
13-Mar-09	05:30:00	57.3	59.9	54.6
13-Mar-09	05:35:00	58.6	60.9	54.7
13-Mar-09	05:40:00	57.7	60.2	54.3
13-Mar-09	05:45:00	57.7	60.7	54.4
13-Mar-09	05:50:00	57.9	60.4	54.6
13-Mar-09	05:55:00	57.6	60.6	54.5
13-Mar-09	06:00:00	58.7	62.0	54.7
13-Mar-09	06:05:00	58.3	61.0	55.1
13-Mar-09	06:10:00	58.5	61.7	55.4
13-Mar-09	06:15:00	59.1	62.1	56.0
13-Mar-09	06:20:00	58.4	61.1	56.0
13-Mar-09	06:25:00	59.6	62.4	56.2
13-Mar-09	06:30:00	60.3	62.9	56.9
13-Mar-09	06:35:00	61.8	63.6	57.7
13-Mar-09	06:40:00	61.6	63.7	57.8
13-Mar-09	06:45:00	62.9	65.3	59.4
13-Mar-09	06:50:00	64.4	67.1	59.7
13-Mar-09	06:55:00	64.7	67.4	59.8
13-Mar-09	23:00:00	64.4	66.3	61.3
13-Mar-09	23:05:00	64.9	66.7	61.6
13-Mar-09	23:10:00	64.7	66.6	61.4
13-Mar-09	23:15:00	64.3	66.5	60.4
13-Mar-09	23:20:00	63.6	65.8	59.8
13-Mar-09	23:25:00	63.4	65.6	60.0
13-Mar-09	23:30:00	64.3	66.6	60.1
13-Mar-09	23:35:00	64.0	66.3	59.4
13-Mar-09	23:40:00	63.8	65.7	59.9
13-Mar-09	23:45:00	63.6	65.8	59.5
13-Mar-09	23:50:00	64.1	65.7	59.9
13-Mar-09	23:55:00	63.7	65.8	59.8
	Mean	60.5	63.0	56.9
	Maximum	64.9	68.0	61.6
	Minimum	55.7	57.6	54.0

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Mar-09	00:00:00	67.0	68.6	64.7
14-Mar-09	00:05:00	67.5	69.2	65.3
14-Mar-09	00:10:00	67.1	68.6	65.1
14-Mar-09	00:15:00	66.8	68.2	64.8
14-Mar-09	00:20:00	66.7	68.1	64.4
14-Mar-09	00:25:00	65.9	67.5	63.5
14-Mar-09	00:30:00	65.8	67.2	63.6
14-Mar-09	00:35:00	65.3	67.0	62.8
14-Mar-09	00:40:00	64.6	66.3	61.5
14-Mar-09	00:45:00	65.3	67.1	62.2
14-Mar-09	00:50:00	64.3	66.4	61.1
14-Mar-09	00:55:00	64.2	65.9	61.6
14-Mar-09	01:00:00	64.1	65.7	60.2
14-Mar-09	01:05:00	63.3	65.2	60.4
14-Mar-09	01:10:00	63.2	65.4	59.6
14-Mar-09	01:15:00	64.1	66.1	60.0
14-Mar-09	01:20:00	62.9	65.2	59.4
14-Mar-09	01:25:00	63.7	65.2	60.1
14-Mar-09	01:30:00	62.5	65.1	58.6
14-Mar-09	01:35:00	62.1	64.5	58.6
14-Mar-09	01:40:00	61.7	63.8	58.6
14-Mar-09	01:45:00	62.0	64.6	58.2
14-Mar-09	01:50:00	61.8	64.2	58.4
14-Mar-09	01:55:00	62.3	64.8	58.3
14-Mar-09	02:00:00	62.0	64.8	58.3
14-Mar-09	02:05:00	61.9	64.2	58.2
14-Mar-09	02:10:00	61.1	63.4	58.1
14-Mar-09	02:15:00	62.0	64.6	58.5
14-Mar-09	02:20:00	61.9	64.4	58.2
14-Mar-09	02:25:00	61.9	64.6	57.8
14-Mar-09	02:30:00	60.0	62.9	56.8
14-Mar-09	02:35:00	62.2	64.8	57.6
14-Mar-09	02:40:00	61.8	64.6	57.7
14-Mar-09	02:45:00	61.9	64.8	57.8
14-Mar-09	02:50:00	61.0	63.9	57.0
14-Mar-09	02:55:00	61.0	63.9	57.0
14-Mar-09	03:00:00	60.2	63.1	56.5
14-Mar-09	03:05:00	61.4	64.2	57.5
14-Mar-09	03:10:00	60.3	63.3	56.7
14-Mar-09	03:15:00	61.2	64.1	56.8
14-Mar-09	03:20:00	60.4	63.2	56.8
14-Mar-09	03:25:00	60.7	63.5	56.9
14-Mar-09	03:30:00	60.6	63.2	57.0
14-Mar-09	03:35:00	61.5	64.1	57.2
14-Mar-09	03:40:00	60.1	62.9	56.5
14-Mar-09	03:45:00	60.2	63.1	56.5
14-Mar-09	03:50:00	60.3	63.1	56.7
14-Mar-09	03:55:00	59.1	61.8	56.4
14-Mar-09	04:00:00	60.8	63.4	57.2
14-Mar-09	04:05:00	59.2	62.2	55.9
14-Mar-09	04:10:00	60.0	62.8	56.6

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Mar-09	04:15:00	60.2	63.1	56.5
14-Mar-09	04:20:00	59.2	62.2	56.0
14-Mar-09	04:25:00	59.8	62.7	56.5
14-Mar-09	04:30:00	60.0	62.8	56.5
14-Mar-09	04:35:00	60.1	63.1	56.3
14-Mar-09	04:40:00	60.4	63.5	56.1
14-Mar-09	04:45:00	59.4	62.4	55.9
14-Mar-09	04:50:00	59.7	62.8	56.0
14-Mar-09	04:55:00	60.3	63.4	56.3
14-Mar-09	05:00:00	58.9	61.5	56.0
14-Mar-09	05:05:00	59.5	62.2	56.2
14-Mar-09	05:10:00	58.9	62.0	55.6
14-Mar-09	05:15:00	58.3	61.2	55.5
14-Mar-09	05:20:00	58.4	61.0	55.5
14-Mar-09	05:25:00	57.4	59.6	55.5
14-Mar-09	05:30:00	59.0	61.9	56.0
14-Mar-09	05:35:00	57.9	60.5	55.6
14-Mar-09	05:40:00	59.0	61.8	56.0
14-Mar-09	05:45:00	58.9	61.8	55.7
14-Mar-09	05:50:00	58.7	61.3	56.1
14-Mar-09	05:55:00	60.6	63.6	56.5
14-Mar-09	06:00:00	60.0	62.9	56.4
14-Mar-09	06:05:00	61.2	64.0	56.6
14-Mar-09	06:10:00	61.1	63.8	56.8
14-Mar-09	06:15:00	59.7	62.3	56.7
14-Mar-09	06:20:00	59.4	61.7	56.6
14-Mar-09	06:25:00	60.0	62.9	56.8
14-Mar-09	06:30:00	59.4	61.9	56.7
14-Mar-09	06:35:00	61.5	64.5	57.4
14-Mar-09	06:40:00	60.3	63.2	56.7
14-Mar-09	06:45:00	61.2	63.9	56.8
14-Mar-09	06:50:00	61.2	64.0	57.8
14-Mar-09	06:55:00	63.2	65.5	59.7
14-Mar-09	23:00:00	65.5	67.3	62.4
14-Mar-09	23:05:00	65.4	67.0	62.2
14-Mar-09	23:10:00	65.0	67.1	61.4
14-Mar-09	23:15:00	65.0	66.9	61.3
14-Mar-09	23:20:00	65.1	66.9	62.0
14-Mar-09	23:25:00	66.6	68.8	63.1
14-Mar-09	23:30:00	64.9	67.0	61.8
14-Mar-09	23:35:00	64.9	67.1	60.7
14-Mar-09	23:40:00	65.5	67.8	61.1
14-Mar-09	23:45:00	64.9	66.7	61.8
14-Mar-09	23:50:00	66.0	67.7	62.1
14-Mar-09	23:55:00	65.1	67.0	62.0
	Mean	62.7	64.9	59.5
	Maximum	67.5	69.2	65.3
	Minimum	57.4	59.6	55.5

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Mar-09	00:00:00	64.4	66.5	60.8
15-Mar-09	00:05:00	65.0	67.2	60.7
15-Mar-09	00:10:00	65.6	67.3	62.7
15-Mar-09	00:15:00	64.7	66.7	61.9
15-Mar-09	00:20:00	64.9	66.6	62.0
15-Mar-09	00:25:00	65.2	67.1	60.8
15-Mar-09	00:30:00	64.6	67.0	60.7
15-Mar-09	00:35:00	64.3	66.2	59.9
15-Mar-09	00:40:00	62.9	65.1	59.0
15-Mar-09	00:45:00	64.0	66.3	60.4
15-Mar-09	00:50:00	63.8	66.2	59.1
15-Mar-09	00:55:00	63.3	65.6	59.6
15-Mar-09	01:00:00	63.4	66.0	58.9
15-Mar-09	01:05:00	63.3	65.6	59.4
15-Mar-09	01:10:00	62.7	65.2	58.2
15-Mar-09	01:15:00	63.0	65.4	59.3
15-Mar-09	01:20:00	62.8	65.2	58.3
15-Mar-09	01:25:00	63.0	65.2	59.2
15-Mar-09	01:30:00	62.6	65.0	59.3
15-Mar-09	01:35:00	61.7	64.5	58.0
15-Mar-09	01:40:00	61.5	64.0	57.9
15-Mar-09	01:45:00	61.7	63.7	58.1
15-Mar-09	01:50:00	61.6	64.0	58.0
15-Mar-09	01:55:00	62.2	64.8	58.2
15-Mar-09	02:00:00	60.8	63.4	57.0
15-Mar-09	02:05:00	61.1	63.8	57.1
15-Mar-09	02:10:00	61.1	63.8	56.5
15-Mar-09	02:15:00	60.9	63.4	56.6
15-Mar-09	02:20:00	60.4	63.4	56.3
15-Mar-09	02:25:00	61.3	63.5	57.1
15-Mar-09	02:30:00	60.4	63.1	56.3
15-Mar-09	02:35:00	61.1	63.9	57.1
15-Mar-09	02:40:00	61.0	63.6	56.7
15-Mar-09	02:45:00	60.1	62.9	56.1
15-Mar-09	02:50:00	60.4	63.4	56.2
15-Mar-09	02:55:00	60.9	63.6	56.9
15-Mar-09	03:00:00	60.3	63.0	56.5
15-Mar-09	03:05:00	59.6	62.2	56.2
15-Mar-09	03:10:00	59.6	62.1	56.2
15-Mar-09	03:15:00	59.5	62.1	56.1
15-Mar-09	03:20:00	59.5	62.2	56.2
15-Mar-09	03:25:00	60.0	62.8	56.2
15-Mar-09	03:30:00	60.1	62.9	56.2
15-Mar-09	03:35:00	61.3	63.7	57.8
15-Mar-09	03:40:00	60.1	62.6	56.8
15-Mar-09	03:45:00	60.1	63.1	56.4
15-Mar-09	03:50:00	60.0	62.9	56.5
15-Mar-09	03:55:00	61.2	63.9	56.9
15-Mar-09	04:00:00	59.8	62.2	56.6
15-Mar-09	04:05:00	60.2	63.1	56.8
15-Mar-09	04:10:00	59.9	63.0	56.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Mar-09	04:15:00	60.3	63.1	56.5
15-Mar-09	04:20:00	60.2	63.1	56.6
15-Mar-09	04:25:00	60.0	62.6	56.5
15-Mar-09	04:30:00	60.0	62.8	56.3
15-Mar-09	04:35:00	59.3	62.3	55.7
15-Mar-09	04:40:00	59.4	61.9	56.2
15-Mar-09	04:45:00	59.4	62.3	55.9
15-Mar-09	04:50:00	58.4	61.1	55.5
15-Mar-09	04:55:00	58.9	62.1	55.5
15-Mar-09	05:00:00	59.4	62.1	55.8
15-Mar-09	05:05:00	59.0	61.8	56.0
15-Mar-09	05:10:00	59.5	62.8	55.7
15-Mar-09	05:15:00	58.7	61.4	55.6
15-Mar-09	05:20:00	59.3	61.8	55.6
15-Mar-09	05:25:00	58.8	61.2	55.9
15-Mar-09	05:30:00	59.0	61.8	55.6
15-Mar-09	05:35:00	59.0	62.3	55.5
15-Mar-09	05:40:00	60.1	62.3	55.7
15-Mar-09	05:45:00	59.0	61.9	55.5
15-Mar-09	05:50:00	59.3	62.3	55.8
15-Mar-09	05:55:00	59.5	62.1	55.7
15-Mar-09	06:00:00	58.8	61.7	55.5
15-Mar-09	06:05:00	58.5	61.2	55.5
15-Mar-09	06:10:00	59.1	62.2	55.4
15-Mar-09	06:15:00	58.6	61.5	55.5
15-Mar-09	06:20:00	59.0	61.9	55.7
15-Mar-09	06:25:00	61.0	61.8	55.7
15-Mar-09	06:30:00	63.9	64.2	56.3
15-Mar-09	06:35:00	59.0	61.9	56.3
15-Mar-09	06:40:00	59.5	62.5	56.0
15-Mar-09	06:45:00	61.6	64.6	56.3
15-Mar-09	06:50:00	60.7	63.3	57.0
15-Mar-09	06:55:00	61.2	63.8	57.3
15-Mar-09	23:00:00	64.5	66.2	61.7
15-Mar-09	23:05:00	66.0	68.5	61.4
15-Mar-09	23:10:00	65.8	67.6	62.8
15-Mar-09	23:15:00	64.9	67.0	61.8
15-Mar-09	23:20:00	65.4	67.6	61.8
15-Mar-09	23:25:00	64.8	66.9	61.5
15-Mar-09	23:30:00	64.1	66.2	61.5
15-Mar-09	23:35:00	64.3	66.2	61.1
15-Mar-09	23:40:00	64.5	66.9	61.1
15-Mar-09	23:45:00	64.3	66.4	61.1
15-Mar-09	23:50:00	63.6	65.6	60.6
15-Mar-09	23:55:00	65.3	67.1	61.3
	Mean	62.0	64.4	58.3
	Maximum	66.0	68.5	62.8
	Minimum	58.4	61.1	55.4

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Mar-09	00:00:00	65.1	67.0	62.0
16-Mar-09	00:05:00	64.4	66.5	60.8
16-Mar-09	00:10:00	65.0	67.2	60.7
16-Mar-09	00:15:00	65.6	67.3	62.7
16-Mar-09	00:20:00	64.7	66.7	61.9
16-Mar-09	00:25:00	64.9	66.6	62.0
16-Mar-09	00:30:00	65.2	67.1	60.8
16-Mar-09	00:35:00	64.6	67.0	60.7
16-Mar-09	00:40:00	64.3	66.2	59.9
16-Mar-09	00:45:00	62.9	65.1	59.0
16-Mar-09	00:50:00	64.0	66.3	60.4
16-Mar-09	00:55:00	63.8	66.2	59.1
16-Mar-09	01:00:00	63.3	65.6	59.6
16-Mar-09	01:05:00	63.4	66.0	58.9
16-Mar-09	01:10:00	63.3	65.6	59.4
16-Mar-09	01:15:00	62.7	65.2	58.2
16-Mar-09	01:20:00	63.0	65.4	59.3
16-Mar-09	01:25:00	62.8	65.2	58.3
16-Mar-09	01:30:00	63.0	65.2	59.2
16-Mar-09	01:35:00	62.6	65.0	59.3
16-Mar-09	01:40:00	62.3	65.1	58.5
16-Mar-09	01:45:00	62.1	64.6	58.4
16-Mar-09	01:50:00	62.3	64.3	58.6
16-Mar-09	01:55:00	62.2	64.6	58.5
16-Mar-09	02:00:00	62.8	65.4	58.7
16-Mar-09	02:05:00	61.4	64.0	57.5
16-Mar-09	02:10:00	61.7	64.4	57.6
16-Mar-09	02:15:00	61.7	64.4	57.0
16-Mar-09	02:20:00	61.5	64.0	57.1
16-Mar-09	02:25:00	61.0	64.0	56.8
16-Mar-09	02:30:00	61.9	64.1	57.6
16-Mar-09	02:35:00	61.0	63.7	56.8
16-Mar-09	02:40:00	61.7	64.5	57.6
16-Mar-09	02:45:00	61.6	64.2	57.2
16-Mar-09	02:50:00	60.7	63.5	56.6
16-Mar-09	02:55:00	61.0	64.0	56.7
16-Mar-09	03:00:00	61.5	64.2	57.4
16-Mar-09	03:05:00	60.9	63.6	57.0
16-Mar-09	03:10:00	60.1	62.8	56.7
16-Mar-09	03:15:00	60.1	62.7	56.7
16-Mar-09	03:20:00	60.0	62.7	56.6
16-Mar-09	03:25:00	60.0	62.8	56.7
16-Mar-09	03:30:00	60.6	63.4	56.7
16-Mar-09	03:35:00	60.1	62.9	56.2
16-Mar-09	03:40:00	61.3	63.7	57.8
16-Mar-09	03:45:00	60.1	62.6	56.8
16-Mar-09	03:50:00	60.1	63.1	56.4
16-Mar-09	03:55:00	60.0	62.9	56.5
16-Mar-09	04:00:00	61.2	63.9	56.9
16-Mar-09	04:05:00	59.8	62.2	56.6
16-Mar-09	04:10:00	60.2	63.1	56.8

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Mar-09	04:15:00	59.9	63.0	56.4
16-Mar-09	04:20:00	60.3	63.1	56.5
16-Mar-09	04:25:00	60.2	63.1	56.6
16-Mar-09	04:30:00	60.0	62.6	56.5
16-Mar-09	04:35:00	60.0	62.8	56.3
16-Mar-09	04:40:00	59.3	62.3	55.7
16-Mar-09	04:45:00	59.4	61.9	56.2
16-Mar-09	04:50:00	59.4	62.3	55.9
16-Mar-09	04:55:00	58.4	61.1	55.5
16-Mar-09	05:00:00	58.9	62.1	55.5
16-Mar-09	05:05:00	59.4	62.1	55.8
16-Mar-09	05:10:00	59.0	61.8	56.0
16-Mar-09	05:15:00	59.5	62.8	55.7
16-Mar-09	05:20:00	58.7	61.4	55.6
16-Mar-09	05:25:00	59.3	61.8	55.6
16-Mar-09	05:30:00	58.8	61.2	55.9
16-Mar-09	05:35:00	59.0	61.8	55.6
16-Mar-09	05:40:00	59.0	62.3	55.5
16-Mar-09	05:45:00	60.1	62.3	55.7
16-Mar-09	05:50:00	59.0	61.9	55.5
16-Mar-09	05:55:00	59.3	62.3	55.8
16-Mar-09	06:00:00	59.5	62.1	55.7
16-Mar-09	06:05:00	58.8	61.7	55.5
16-Mar-09	06:10:00	58.5	61.2	55.5
16-Mar-09	06:15:00	59.1	62.2	55.4
16-Mar-09	06:20:00	58.6	61.5	55.5
16-Mar-09	06:25:00	59.0	61.9	55.7
16-Mar-09	06:30:00	61.0	61.8	55.7
16-Mar-09	06:35:00	63.9	64.2	56.3
16-Mar-09	06:40:00	59.0	61.9	56.3
16-Mar-09	06:45:00	59.5	62.5	56.0
16-Mar-09	06:50:00	61.6	64.6	56.3
16-Mar-09	06:55:00	60.7	63.3	57.0
16-Mar-09	23:00:00	64.4	66.3	60.7
16-Mar-09	23:05:00	63.9	65.6	61.1
16-Mar-09	23:10:00	65.4	67.9	60.8
16-Mar-09	23:15:00	65.2	67.0	62.2
16-Mar-09	23:20:00	64.3	66.4	61.2
16-Mar-09	23:25:00	64.8	67.0	61.2
16-Mar-09	23:30:00	64.2	66.3	60.9
16-Mar-09	23:35:00	63.5	65.6	60.9
16-Mar-09	23:40:00	63.7	65.6	60.5
16-Mar-09	23:45:00	63.9	66.3	60.5
16-Mar-09	23:50:00	63.7	65.8	60.5
16-Mar-09	23:55:00	63.6	65.6	60.6
	Mean	62.1	64.4	58.4
	Maximum	65.6	67.9	62.7
	Minimum	58.4	61.1	55.4

## Appendix B4

### Night Time Noise Level at Raimondi College (NC16)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Mar-09	00:00:00	65.3	67.1	61.3
17-Mar-09	00:05:00	63.8	66.2	60.1
17-Mar-09	00:10:00	63.8	65.9	59.9
17-Mar-09	00:15:00	64.3	66.2	59.3
17-Mar-09	00:20:00	63.5	66.2	59.4
17-Mar-09	00:25:00	63.4	65.9	59.3
17-Mar-09	00:30:00	62.0	64.7	58.5
17-Mar-09	00:35:00	63.4	65.8	58.3
17-Mar-09	00:40:00	63.4	65.3	58.4
17-Mar-09	00:45:00	62.9	65.1	59.1
17-Mar-09	00:50:00	61.5	63.9	57.6
17-Mar-09	00:55:00	63.9	66.6	57.8
17-Mar-09	01:00:00	61.2	63.5	57.4
17-Mar-09	01:05:00	61.3	63.2	57.3
17-Mar-09	01:10:00	61.0	63.8	56.6
17-Mar-09	01:15:00	60.8	63.8	56.6
17-Mar-09	01:20:00	59.5	62.1	56.7
17-Mar-09	01:25:00	59.8	62.6	56.6
17-Mar-09	01:30:00	59.3	62.5	56.3
17-Mar-09	01:35:00	59.1	61.6	56.5
17-Mar-09	01:40:00	59.6	62.3	56.4
17-Mar-09	01:45:00	59.2	62.1	56.1
17-Mar-09	01:50:00	60.1	63.2	55.9
17-Mar-09	01:55:00	58.6	61.1	55.7
17-Mar-09	02:00:00	59.3	62.1	56.4
17-Mar-09	02:05:00	58.9	61.4	56.5
17-Mar-09	02:10:00	58.7	61.1	56.4
17-Mar-09	02:15:00	58.1	60.6	55.7
17-Mar-09	02:20:00	58.4	61.4	55.7
17-Mar-09	02:25:00	58.5	61.0	55.6
17-Mar-09	02:30:00	58.0	61.3	55.4
17-Mar-09	02:35:00	57.6	60.0	55.4
17-Mar-09	02:40:00	57.4	59.8	55.3
17-Mar-09	02:45:00	58.4	61.1	55.6
17-Mar-09	02:50:00	57.0	58.9	55.3
17-Mar-09	02:55:00	58.2	61.0	55.3
17-Mar-09	03:00:00	57.6	60.1	55.3
17-Mar-09	03:05:00	57.8	60.1	55.4
17-Mar-09	03:10:00	57.9	60.6	55.4
17-Mar-09	03:15:00	58.0	60.3	55.5
17-Mar-09	03:20:00	58.2	60.6	55.6
17-Mar-09	03:25:00	58.4	61.0	55.5
17-Mar-09	03:30:00	58.1	60.9	55.5
17-Mar-09	03:35:00	57.3	59.4	55.5
17-Mar-09	03:40:00	57.3	59.4	55.3
17-Mar-09	03:45:00	55.8	56.2	55.0
17-Mar-09	03:50:00	56.0	56.3	55.2
17-Mar-09	03:55:00	56.5	57.7	55.3
17-Mar-09	04:00:00	57.7	59.7	55.4
17-Mar-09	04:05:00	56.2	57.0	55.4
17-Mar-09	04:10:00	57.4	59.8	55.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Mar-09	04:15:00	56.9	58.5	55.4
17-Mar-09	04:20:00	56.5	57.3	55.3
17-Mar-09	04:25:00	57.0	58.2	55.5
17-Mar-09	04:30:00	56.2	57.0	55.3
17-Mar-09	04:35:00	56.9	59.0	55.3
17-Mar-09	04:40:00	56.4	57.4	55.3
17-Mar-09	04:45:00	56.5	57.6	55.3
17-Mar-09	04:50:00	56.1	56.7	55.3
17-Mar-09	04:55:00	56.2	56.8	55.3
17-Mar-09	05:00:00	56.9	58.4	55.4
17-Mar-09	05:05:00	57.9	60.6	55.5
17-Mar-09	05:10:00	56.6	57.4	55.4
17-Mar-09	05:15:00	56.4	57.2	55.3
17-Mar-09	05:20:00	56.7	58.1	55.4
17-Mar-09	05:25:00	56.8	58.2	55.4
17-Mar-09	05:30:00	57.2	59.3	55.3
17-Mar-09	05:35:00	57.9	60.0	55.4
17-Mar-09	05:40:00	57.2	59.3	55.4
17-Mar-09	05:45:00	56.6	58.2	55.4
17-Mar-09	05:50:00	57.3	59.5	55.4
17-Mar-09	05:55:00	57.9	60.6	55.5
17-Mar-09	06:00:00	58.9	62.4	55.6
17-Mar-09	06:05:00	58.4	60.9	55.6
17-Mar-09	06:10:00	58.6	61.2	55.6
17-Mar-09	06:15:00	59.8	62.8	55.8
17-Mar-09	06:20:00	60.0	62.5	56.1
17-Mar-09	06:25:00	59.3	62.0	56.2
17-Mar-09	06:30:00	60.2	63.0	56.7
17-Mar-09	06:35:00	60.0	62.6	56.9
17-Mar-09	06:40:00	60.1	62.7	56.8
17-Mar-09	06:45:00	60.4	63.1	56.7
17-Mar-09	06:50:00	62.1	64.9	58.1
17-Mar-09	06:55:00	62.0	64.7	58.0
17-Mar-09	23:00:00	64.3	66.0	61.7
17-Mar-09	23:05:00	65.5	67.5	62.3
17-Mar-09	23:10:00	64.8	66.8	61.9
17-Mar-09	23:15:00	65.0	67.2	61.0
17-Mar-09	23:20:00	64.5	66.7	60.8
17-Mar-09	23:25:00	64.9	67.2	60.2
17-Mar-09	23:30:00	64.2	67.0	60.2
17-Mar-09	23:35:00	63.2	65.9	59.1
17-Mar-09	23:40:00	64.7	67.2	60.5
17-Mar-09	23:45:00	64.5	66.8	61.2
17-Mar-09	23:50:00	64.1	66.2	60.3
17-Mar-09	23:55:00	64.2	66.1	60.3
	Mean	60.7	63.0	57.4
	Maximum	65.5	67.5	62.3
	Minimum	55.8	56.2	55.0

Summary of Night Time Noise Level at Raimondi College (NC16)			
	Leq	L10	L90
Mean	61.3	63.6	57.8
Max	67.5	69.5	65.3
Min	54.2	54.9	53.3



## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Feb-09	00:01:00	59.8	62.4	52.6
11-Feb-09	00:06:00	59.8	62.3	52.1
11-Feb-09	00:11:00	60.3	62.2	52.3
11-Feb-09	00:16:00	57.9	61.1	52.8
11-Feb-09	00:21:00	58.3	61.1	52.1
11-Feb-09	00:26:00	58.0	60.2	51.4
11-Feb-09	00:31:00	58.2	61.0	51.7
11-Feb-09	00:36:00	58.8	62.5	51.1
11-Feb-09	00:41:00	55.8	59.5	51.3
11-Feb-09	00:46:00	55.4	59.3	50.5
11-Feb-09	00:51:00	56.5	59.9	50.7
11-Feb-09	00:56:00	56.5	60.2	50.4
11-Feb-09	01:01:00	60.6	61.9	50.7
11-Feb-09	01:06:00	54.7	57.3	50.6
11-Feb-09	01:11:00	54.7	57.8	50.1
11-Feb-09	01:16:00	54.5	58.0	50.3
11-Feb-09	01:21:00	56.3	59.4	50.0
11-Feb-09	01:26:00	55.1	58.4	50.1
11-Feb-09	01:31:00	54.9	59.5	49.8
11-Feb-09	01:36:00	54.6	58.2	50.3
11-Feb-09	01:41:00	53.5	55.6	49.5
11-Feb-09	01:46:00	52.4	55.0	49.3
11-Feb-09	01:51:00	56.6	58.0	50.0
11-Feb-09	01:56:00	56.5	58.6	50.9
11-Feb-09	02:01:00	54.1	57.4	50.1
11-Feb-09	02:06:00	53.0	56.1	49.0
11-Feb-09	02:11:00	53.4	55.2	49.2
11-Feb-09	02:16:00	52.7	54.7	49.2
11-Feb-09	02:21:00	53.3	56.7	49.4
11-Feb-09	02:26:00	55.1	56.3	49.3
11-Feb-09	02:31:00	52.5	54.9	49.0
11-Feb-09	02:36:00	54.7	58.1	49.7
11-Feb-09	02:41:00	53.8	57.1	49.5
11-Feb-09	02:46:00	53.8	56.1	49.6
11-Feb-09	02:51:00	54.0	54.2	49.5
11-Feb-09	02:56:00	61.9	64.0	50.6
11-Feb-09	03:01:00	52.9	54.8	49.7
11-Feb-09	03:06:00	53.3	55.1	49.3
11-Feb-09	03:11:00	52.9	54.6	49.4
11-Feb-09	03:16:00	55.9	59.3	51.1
11-Feb-09	03:21:00	51.4	53.8	48.9
11-Feb-09	03:26:00	55.5	57.2	49.4
11-Feb-09	03:31:00	52.5	55.5	49.1
11-Feb-09	03:36:00	52.0	54.5	48.8
11-Feb-09	03:41:00	54.6	58.4	49.3
11-Feb-09	03:46:00	54.9	57.3	48.9
11-Feb-09	03:51:00	51.0	52.1	48.7
11-Feb-09	03:56:00	52.4	54.1	48.8
11-Feb-09	04:01:00	52.4	54.3	49.3
11-Feb-09	04:06:00	53.9	56.1	48.9
11-Feb-09	04:11:00	54.7	57.5	49.3

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Feb-09	04:16:00	51.9	54.0	48.9
11-Feb-09	04:21:00	51.4	53.8	48.8
11-Feb-09	04:26:00	54.8	56.0	49.5
11-Feb-09	04:31:00	51.6	53.3	49.4
11-Feb-09	04:36:00	52.2	53.6	49.4
11-Feb-09	04:41:00	50.9	52.4	48.7
11-Feb-09	04:46:00	54.6	57.0	49.0
11-Feb-09	04:51:00	52.7	54.6	49.3
11-Feb-09	04:56:00	52.0	53.8	49.4
11-Feb-09	05:01:00	51.5	52.3	48.6
11-Feb-09	05:06:00	51.4	52.9	48.8
11-Feb-09	05:11:00	54.0	57.3	48.9
11-Feb-09	05:16:00	54.8	56.0	48.8
11-Feb-09	05:21:00	54.1	56.6	49.4
11-Feb-09	05:26:00	52.7	54.3	49.3
11-Feb-09	05:31:00	52.7	55.2	49.7
11-Feb-09	05:36:00	53.4	57.0	50.3
11-Feb-09	05:41:00	56.5	57.7	50.2
11-Feb-09	05:46:00	53.8	56.5	50.5
11-Feb-09	05:51:00	56.1	59.8	51.4
11-Feb-09	05:56:00	56.4	58.4	52.2
11-Feb-09	06:01:00	55.8	58.1	52.3
11-Feb-09	06:06:00	58.4	62.0	52.5
11-Feb-09	06:11:00	59.9	61.2	52.5
11-Feb-09	06:16:00	57.1	60.3	52.2
11-Feb-09	06:21:00	60.2	63.4	52.9
11-Feb-09	06:26:00	60.4	61.6	52.5
11-Feb-09	06:31:00	61.1	64.5	55.0
11-Feb-09	06:36:00	66.1	66.8	56.3
11-Feb-09	06:41:00	62.0	63.5	53.9
11-Feb-09	06:46:00	63.4	67.6	56.8
11-Feb-09	06:51:00	64.1	67.3	56.8
11-Feb-09	06:56:00	65.2	69.0	58.0
11-Feb-09	23:01:00	62.6	66.6	55.6
11-Feb-09	23:06:00	63.2	66.1	56.1
11-Feb-09	23:11:00	60.5	63.4	54.8
11-Feb-09	23:16:00	62.0	64.7	56.2
11-Feb-09	23:21:00	62.7	65.0	55.6
11-Feb-09	23:26:00	62.4	64.4	56.4
11-Feb-09	23:31:00	63.5	65.1	55.6
11-Feb-09	23:36:00	62.0	63.8	56.7
11-Feb-09	23:41:00	60.9	63.7	56.0
11-Feb-09	23:46:00	66.7	64.8	55.5
11-Feb-09	23:51:00	60.2	62.3	55.0
11-Feb-09	23:56:00	62.3	66.2	55.3
	Mean	58.5	60.9	52.1
	Maximum	66.7	69.0	58.0
	Minimum	50.9	52.1	48.6

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Feb-09	00:01:00	61.2	63.0	54.5
12-Feb-09	00:06:00	59.7	61.3	53.1
12-Feb-09	00:11:00	60.0	62.0	54.1
12-Feb-09	00:16:00	59.3	61.2	53.5
12-Feb-09	00:21:00	60.6	61.4	54.5
12-Feb-09	00:26:00	57.4	60.1	54.4
12-Feb-09	00:31:00	60.5	63.1	55.0
12-Feb-09	00:36:00	57.4	60.3	53.6
12-Feb-09	00:41:00	55.9	58.5	52.9
12-Feb-09	00:46:00	57.7	60.5	53.4
12-Feb-09	00:51:00	55.7	59.5	52.5
12-Feb-09	00:56:00	58.1	62.0	53.4
12-Feb-09	01:01:00	56.2	59.7	52.6
12-Feb-09	01:06:00	56.6	60.0	52.8
12-Feb-09	01:11:00	58.3	60.8	53.0
12-Feb-09	01:16:00	56.4	59.0	52.6
12-Feb-09	01:21:00	56.0	58.8	52.5
12-Feb-09	01:26:00	57.4	61.5	52.4
12-Feb-09	01:31:00	57.0	59.8	53.3
12-Feb-09	01:36:00	56.4	59.8	52.6
12-Feb-09	01:41:00	56.0	59.2	52.3
12-Feb-09	01:46:00	55.9	59.0	52.3
12-Feb-09	01:51:00	54.4	56.7	52.0
12-Feb-09	01:56:00	61.3	59.2	52.6
12-Feb-09	02:01:00	55.0	57.6	52.3
12-Feb-09	02:06:00	55.5	58.3	52.1
12-Feb-09	02:11:00	55.2	57.3	52.4
12-Feb-09	02:16:00	55.1	58.5	51.7
12-Feb-09	02:21:00	55.1	58.5	51.7
12-Feb-09	02:26:00	57.3	61.0	52.5
12-Feb-09	02:31:00	56.6	59.6	52.4
12-Feb-09	02:36:00	55.1	58.6	51.8
12-Feb-09	02:41:00	54.4	56.2	51.6
12-Feb-09	02:46:00	61.9	64.7	52.8
12-Feb-09	02:51:00	56.1	57.9	52.5
12-Feb-09	02:56:00	54.6	57.1	51.8
12-Feb-09	03:01:00	53.3	54.9	51.5
12-Feb-09	03:06:00	55.0	57.9	51.9
12-Feb-09	03:11:00	53.8	55.7	51.6
12-Feb-09	03:16:00	53.9	56.4	51.6
12-Feb-09	03:21:00	55.3	57.3	51.6
12-Feb-09	03:26:00	55.0	57.4	51.6
12-Feb-09	03:31:00	54.5	57.3	51.8
12-Feb-09	03:36:00	54.1	55.9	51.6
12-Feb-09	03:41:00	53.8	55.7	51.5
12-Feb-09	03:46:00	61.2	57.6	51.7
12-Feb-09	03:51:00	55.8	58.9	51.8
12-Feb-09	03:56:00	59.5	61.2	52.3
12-Feb-09	04:01:00	54.0	55.8	51.6
12-Feb-09	04:06:00	54.1	56.2	51.5
12-Feb-09	04:11:00	53.7	55.7	51.5

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Feb-09	04:16:00	56.3	59.1	52.3
12-Feb-09	04:21:00	53.7	55.8	51.6
12-Feb-09	04:26:00	53.7	55.9	51.6
12-Feb-09	04:31:00	54.5	56.2	51.8
12-Feb-09	04:36:00	54.6	57.7	51.6
12-Feb-09	04:41:00	53.5	54.0	51.5
12-Feb-09	04:46:00	55.4	57.7	51.6
12-Feb-09	04:51:00	52.8	53.8	51.5
12-Feb-09	04:56:00	54.2	56.0	51.6
12-Feb-09	05:01:00	53.7	55.6	51.6
12-Feb-09	05:06:00	53.7	55.3	51.6
12-Feb-09	05:11:00	54.1	54.6	51.6
12-Feb-09	05:16:00	54.3	55.7	51.5
12-Feb-09	05:21:00	55.2	57.2	51.5
12-Feb-09	05:26:00	53.5	55.2	51.6
12-Feb-09	05:31:00	56.5	56.2	52.0
12-Feb-09	05:36:00	54.4	56.0	51.8
12-Feb-09	05:41:00	55.7	57.6	53.4
12-Feb-09	05:46:00	56.4	58.4	53.3
12-Feb-09	05:51:00	59.7	61.7	54.3
12-Feb-09	05:56:00	56.5	58.9	53.7
12-Feb-09	06:01:00	62.7	65.9	53.8
12-Feb-09	06:06:00	58.1	61.6	53.6
12-Feb-09	06:11:00	56.9	59.7	53.5
12-Feb-09	06:16:00	63.1	64.0	54.0
12-Feb-09	06:21:00	60.5	63.9	54.3
12-Feb-09	06:26:00	59.1	61.6	54.3
12-Feb-09	06:31:00	59.3	61.8	55.3
12-Feb-09	06:36:00	62.5	66.3	55.5
12-Feb-09	06:41:00	63.0	67.4	55.4
12-Feb-09	06:46:00	64.2	67.9	57.1
12-Feb-09	06:51:00	63.4	66.4	57.5
12-Feb-09	06:56:00	64.2	68.2	57.9
12-Feb-09	23:01:00	63.2	65.0	57.8
12-Feb-09	23:06:00	63.9	65.4	56.6
12-Feb-09	23:11:00	62.5	64.8	57.1
12-Feb-09	23:16:00	63.5	67.0	58.1
12-Feb-09	23:21:00	63.4	66.8	57.1
12-Feb-09	23:26:00	61.2	63.7	55.9
12-Feb-09	23:31:00	61.3	63.5	56.9
12-Feb-09	23:36:00	62.5	65.9	56.4
12-Feb-09	23:41:00	60.6	63.0	56.0
12-Feb-09	23:46:00	63.3	65.9	56.8
12-Feb-09	23:51:00	61.2	64.0	55.7
12-Feb-09	23:56:00	62.1	65.3	57.1
	Mean	58.9	61.5	53.7
	Maximum	64.2	68.2	58.1
	Minimum	52.8	53.8	51.5

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Feb-09	00:01:00	61.2	63.1	55.6
13-Feb-09	00:06:00	61.9	63.6	55.6
13-Feb-09	00:11:00	62.7	65.1	55.3
13-Feb-09	00:16:00	58.5	61.4	54.8
13-Feb-09	00:21:00	60.8	63.3	55.2
13-Feb-09	00:26:00	59.2	61.5	54.3
13-Feb-09	00:31:00	58.5	61.5	53.6
13-Feb-09	00:36:00	60.5	62.9	54.4
13-Feb-09	00:41:00	57.4	60.7	53.8
13-Feb-09	00:46:00	57.9	60.9	53.6
13-Feb-09	00:51:00	57.5	60.8	53.8
13-Feb-09	00:56:00	56.2	58.6	53.5
13-Feb-09	01:01:00	57.2	60.2	53.5
13-Feb-09	01:06:00	59.1	61.6	54.3
13-Feb-09	01:11:00	57.0	59.5	53.6
13-Feb-09	01:16:00	56.5	59.6	53.6
13-Feb-09	01:21:00	57.2	60.1	53.4
13-Feb-09	01:26:00	57.0	58.5	53.1
13-Feb-09	01:31:00	56.1	58.9	52.9
13-Feb-09	01:36:00	58.4	60.8	53.3
13-Feb-09	01:41:00	57.3	60.3	52.8
13-Feb-09	01:46:00	55.1	57.5	52.6
13-Feb-09	01:51:00	56.7	59.5	53.3
13-Feb-09	01:56:00	62.3	64.1	54.6
13-Feb-09	02:01:00	55.8	58.2	52.7
13-Feb-09	02:06:00	56.5	59.8	53.4
13-Feb-09	02:11:00	56.1	59.7	52.6
13-Feb-09	02:16:00	56.1	59.1	52.7
13-Feb-09	02:21:00	54.9	57.0	52.5
13-Feb-09	02:26:00	56.1	58.5	52.7
13-Feb-09	02:31:00	58.2	60.1	52.8
13-Feb-09	02:36:00	55.6	58.4	52.5
13-Feb-09	02:41:00	55.3	57.6	52.5
13-Feb-09	02:46:00	56.1	57.7	52.7
13-Feb-09	02:51:00	55.8	57.6	52.6
13-Feb-09	02:56:00	54.5	56.6	52.4
13-Feb-09	03:01:00	55.4	57.6	52.5
13-Feb-09	03:06:00	55.9	59.0	52.5
13-Feb-09	03:11:00	54.0	55.6	52.3
13-Feb-09	03:16:00	55.6	58.1	52.5
13-Feb-09	03:21:00	55.4	58.4	52.5
13-Feb-09	03:26:00	57.5	58.7	52.5
13-Feb-09	03:31:00	55.4	58.5	52.4
13-Feb-09	03:36:00	55.5	56.8	52.4
13-Feb-09	03:41:00	55.3	58.0	52.4
13-Feb-09	03:46:00	55.4	58.1	52.4
13-Feb-09	03:51:00	55.0	57.4	52.5
13-Feb-09	03:56:00	56.9	59.5	52.4
13-Feb-09	04:01:00	54.2	56.4	52.3
13-Feb-09	04:06:00	54.3	56.4	52.3
13-Feb-09	04:11:00	54.4	56.2	52.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Feb-09	04:16:00	55.6	56.5	52.4
13-Feb-09	04:21:00	54.4	56.4	52.3
13-Feb-09	04:26:00	54.0	55.6	52.4
13-Feb-09	04:31:00	55.6	57.2	52.5
13-Feb-09	04:36:00	55.1	58.2	52.1
13-Feb-09	04:41:00	54.9	56.6	52.3
13-Feb-09	04:46:00	54.3	55.2	52.3
13-Feb-09	04:51:00	55.0	56.3	52.3
13-Feb-09	04:56:00	53.4	54.1	51.9
13-Feb-09	05:01:00	53.3	54.2	52.3
13-Feb-09	05:06:00	53.8	54.6	52.3
13-Feb-09	05:11:00	55.0	56.1	52.5
13-Feb-09	05:16:00	54.9	56.1	52.3
13-Feb-09	05:21:00	55.2	56.4	52.3
13-Feb-09	05:26:00	54.9	55.7	52.4
13-Feb-09	05:31:00	54.3	55.9	52.4
13-Feb-09	05:36:00	54.8	57.4	52.4
13-Feb-09	05:41:00	55.5	58.0	52.8
13-Feb-09	05:46:00	55.2	56.9	52.7
13-Feb-09	05:51:00	56.4	58.6	53.8
13-Feb-09	05:56:00	59.3	62.1	53.9
13-Feb-09	06:01:00	59.6	61.1	53.7
13-Feb-09	06:06:00	57.1	59.9	53.6
13-Feb-09	06:11:00	60.5	62.8	54.5
13-Feb-09	06:16:00	56.7	59.6	53.8
13-Feb-09	06:21:00	61.2	63.7	54.9
13-Feb-09	06:26:00	59.0	62.2	54.6
13-Feb-09	06:31:00	60.7	63.9	55.4
13-Feb-09	06:36:00	66.5	65.8	56.0
13-Feb-09	06:41:00	62.7	67.0	56.2
13-Feb-09	06:46:00	61.4	64.3	56.0
13-Feb-09	06:51:00	63.5	67.1	57.0
13-Feb-09	06:56:00	64.2	66.9	58.1
13-Feb-09	23:01:00	64.2	65.2	57.0
13-Feb-09	23:06:00	61.4	63.9	56.3
13-Feb-09	23:11:00	63.1	66.5	57.5
13-Feb-09	23:16:00	62.0	64.8	56.1
13-Feb-09	23:21:00	62.4	64.8	56.8
13-Feb-09	23:26:00	63.8	66.4	57.7
13-Feb-09	23:31:00	62.5	65.0	56.6
13-Feb-09	23:36:00	61.6	64.9	56.0
13-Feb-09	23:41:00	62.6	66.1	57.1
13-Feb-09	23:46:00	64.6	66.0	56.9
13-Feb-09	23:51:00	61.2	62.7	56.8
13-Feb-09	23:56:00	63.0	65.6	56.3
	Mean	59.1	61.5	54.1
	Maximum	66.5	67.1	58.1
	Minimum	53.3	54.1	51.9

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Feb-09	00:01:00	61.4	63.4	56.1
14-Feb-09	00:06:00	58.7	61.3	55.0
14-Feb-09	00:11:00	62.7	65.6	55.4
14-Feb-09	00:16:00	60.1	63.0	55.0
14-Feb-09	00:21:00	60.5	63.5	55.3
14-Feb-09	00:26:00	59.4	61.8	55.5
14-Feb-09	00:31:00	60.4	62.8	54.6
14-Feb-09	00:36:00	58.9	61.7	55.5
14-Feb-09	00:41:00	59.5	61.7	54.9
14-Feb-09	00:46:00	58.3	61.2	54.7
14-Feb-09	00:51:00	58.6	61.6	54.4
14-Feb-09	00:56:00	58.0	61.0	54.7
14-Feb-09	01:01:00	58.5	61.1	55.6
14-Feb-09	01:06:00	59.1	61.9	55.5
14-Feb-09	01:11:00	59.0	60.4	55.4
14-Feb-09	01:16:00	59.1	61.1	55.6
14-Feb-09	01:21:00	58.9	62.0	55.5
14-Feb-09	01:26:00	58.4	61.6	55.3
14-Feb-09	01:31:00	58.6	61.5	55.4
14-Feb-09	01:36:00	58.5	61.6	55.0
14-Feb-09	01:41:00	58.5	61.5	54.9
14-Feb-09	01:46:00	59.0	62.0	55.5
14-Feb-09	01:51:00	57.8	60.2	55.3
14-Feb-09	01:56:00	59.2	62.2	55.5
14-Feb-09	02:01:00	59.7	62.4	55.5
14-Feb-09	02:06:00	58.9	62.0	55.7
14-Feb-09	02:11:00	57.4	59.9	55.0
14-Feb-09	02:16:00	58.2	61.7	55.3
14-Feb-09	02:21:00	59.2	61.6	54.8
14-Feb-09	02:26:00	58.4	61.5	55.3
14-Feb-09	02:31:00	58.6	61.8	55.4
14-Feb-09	02:36:00	57.8	59.7	55.4
14-Feb-09	02:41:00	58.4	60.7	55.0
14-Feb-09	02:46:00	57.9	60.9	55.0
14-Feb-09	02:51:00	58.1	61.2	55.2
14-Feb-09	02:56:00	58.6	61.6	55.3
14-Feb-09	03:01:00	57.8	60.4	55.3
14-Feb-09	03:06:00	58.2	60.4	55.1
14-Feb-09	03:11:00	57.6	60.3	54.9
14-Feb-09	03:16:00	57.7	61.1	54.9
14-Feb-09	03:21:00	57.5	60.0	55.0
14-Feb-09	03:26:00	58.6	61.9	55.3
14-Feb-09	03:31:00	58.4	61.6	55.1
14-Feb-09	03:36:00	57.7	60.5	55.2
14-Feb-09	03:41:00	57.3	59.3	55.0
14-Feb-09	03:46:00	58.1	61.0	55.2
14-Feb-09	03:51:00	56.3	58.1	54.6
14-Feb-09	03:56:00	58.4	60.6	54.8
14-Feb-09	04:01:00	58.0	60.7	55.2
14-Feb-09	04:06:00	58.1	61.3	54.7
14-Feb-09	04:11:00	57.2	60.0	54.8

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Feb-09	04:16:00	58.4	61.8	54.9
14-Feb-09	04:21:00	57.3	59.2	54.8
14-Feb-09	04:26:00	57.4	60.5	54.5
14-Feb-09	04:31:00	57.6	60.1	54.7
14-Feb-09	04:36:00	60.8	62.8	54.9
14-Feb-09	04:41:00	57.4	59.8	55.1
14-Feb-09	04:46:00	57.4	58.9	54.6
14-Feb-09	04:51:00	57.1	59.3	54.6
14-Feb-09	04:56:00	58.5	61.7	55.1
14-Feb-09	05:01:00	58.4	61.7	54.7
14-Feb-09	05:06:00	58.4	61.2	54.7
14-Feb-09	05:11:00	57.0	59.6	54.5
14-Feb-09	05:16:00	59.3	60.9	54.6
14-Feb-09	05:21:00	58.1	60.6	54.7
14-Feb-09	05:26:00	56.6	58.4	54.4
14-Feb-09	05:31:00	58.2	61.0	55.1
14-Feb-09	05:36:00	62.3	65.1	55.3
14-Feb-09	05:41:00	57.6	59.0	54.4
14-Feb-09	05:46:00	56.4	58.1	54.5
14-Feb-09	05:51:00	57.6	60.3	55.3
14-Feb-09	05:56:00	58.5	60.3	55.4
14-Feb-09	06:01:00	56.8	58.4	55.2
14-Feb-09	06:06:00	59.9	61.5	55.4
14-Feb-09	06:11:00	58.1	60.7	55.5
14-Feb-09	06:16:00	57.6	59.9	55.4
14-Feb-09	06:21:00	63.5	64.8	56.5
14-Feb-09	06:26:00	60.7	61.9	56.2
14-Feb-09	06:31:00	61.2	63.4	55.7
14-Feb-09	06:36:00	67.4	66.0	55.7
14-Feb-09	06:41:00	64.6	68.0	56.6
14-Feb-09	06:46:00	61.7	64.9	56.1
14-Feb-09	06:51:00	62.1	65.9	55.7
14-Feb-09	06:56:00	62.7	66.3	56.9
14-Feb-09	23:01:00	63.9	67.2	57.3
14-Feb-09	23:06:00	62.6	65.5	57.0
14-Feb-09	23:11:00	62.3	65.0	56.1
14-Feb-09	23:16:00	63.2	66.3	57.0
14-Feb-09	23:21:00	59.9	63.7	54.8
14-Feb-09	23:26:00	62.0	65.1	54.7
14-Feb-09	23:31:00	62.5	65.0	57.5
14-Feb-09	23:36:00	60.6	62.8	55.4
14-Feb-09	23:41:00	61.7	64.2	55.9
14-Feb-09	23:46:00	62.3	64.5	55.5
14-Feb-09	23:51:00	59.2	61.9	55.0
14-Feb-09	23:56:00	62.8	63.5	55.1
	Mean	59.9	62.4	55.3
	Maximum	67.4	68.0	57.5
	Minimum	56.3	58.1	54.4

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Feb-09	00:01:00	62.0	65.1	56.2
15-Feb-09	00:06:00	59.0	62.1	55.2
15-Feb-09	00:11:00	65.0	67.8	55.9
15-Feb-09	00:16:00	61.0	63.1	54.9
15-Feb-09	00:21:00	61.3	64.4	55.8
15-Feb-09	00:26:00	59.6	62.2	55.6
15-Feb-09	00:31:00	58.2	61.8	54.4
15-Feb-09	00:36:00	59.6	61.4	54.7
15-Feb-09	00:41:00	60.1	62.8	55.0
15-Feb-09	00:46:00	58.6	61.4	54.3
15-Feb-09	00:51:00	56.8	59.7	53.4
15-Feb-09	00:56:00	57.4	60.8	53.7
15-Feb-09	01:01:00	57.1	60.0	53.9
15-Feb-09	01:06:00	58.0	61.7	53.7
15-Feb-09	01:11:00	58.6	61.6	54.5
15-Feb-09	01:16:00	58.1	61.6	53.6
15-Feb-09	01:21:00	57.0	59.5	53.5
15-Feb-09	01:26:00	57.3	60.8	53.5
15-Feb-09	01:31:00	57.4	60.2	53.4
15-Feb-09	01:36:00	57.4	60.0	54.3
15-Feb-09	01:41:00	59.3	61.8	53.8
15-Feb-09	01:46:00	57.3	60.1	53.5
15-Feb-09	01:51:00	57.6	61.2	53.8
15-Feb-09	01:56:00	57.9	61.5	53.5
15-Feb-09	02:01:00	56.5	59.6	53.1
15-Feb-09	02:06:00	56.4	58.9	53.9
15-Feb-09	02:11:00	57.2	60.2	53.5
15-Feb-09	02:16:00	58.4	61.0	53.6
15-Feb-09	02:21:00	57.2	60.2	53.4
15-Feb-09	02:26:00	57.6	59.7	53.5
15-Feb-09	02:31:00	57.7	60.8	53.9
15-Feb-09	02:36:00	56.2	59.0	52.9
15-Feb-09	02:41:00	56.5	60.7	52.6
15-Feb-09	02:46:00	57.2	60.6	53.1
15-Feb-09	02:51:00	56.1	59.3	52.6
15-Feb-09	02:56:00	55.8	58.8	52.7
15-Feb-09	03:01:00	56.5	58.6	52.5
15-Feb-09	03:06:00	55.4	57.8	52.5
15-Feb-09	03:11:00	55.9	59.1	52.5
15-Feb-09	03:16:00	56.2	58.8	52.7
15-Feb-09	03:21:00	56.9	60.4	53.3
15-Feb-09	03:26:00	58.0	61.6	53.5
15-Feb-09	03:31:00	62.5	64.5	55.2
15-Feb-09	03:36:00	56.4	58.8	52.6
15-Feb-09	03:41:00	56.5	59.3	52.7
15-Feb-09	03:46:00	55.2	58.0	52.4
15-Feb-09	03:51:00	55.0	58.3	52.4
15-Feb-09	03:56:00	57.9	59.2	52.5
15-Feb-09	04:01:00	55.5	59.3	52.4
15-Feb-09	04:06:00	54.3	55.0	51.9
15-Feb-09	04:11:00	56.2	58.7	52.6

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Feb-09	04:16:00	56.3	59.9	52.5
15-Feb-09	04:21:00	55.9	58.9	52.5
15-Feb-09	04:26:00	55.1	57.8	52.4
15-Feb-09	04:31:00	56.4	59.1	52.5
15-Feb-09	04:36:00	55.9	59.2	52.4
15-Feb-09	04:41:00	56.5	60.0	52.6
15-Feb-09	04:46:00	57.0	60.6	52.8
15-Feb-09	04:51:00	56.8	60.2	53.3
15-Feb-09	04:56:00	55.7	57.8	53.3
15-Feb-09	05:01:00	56.1	58.4	53.1
15-Feb-09	05:06:00	56.8	59.5	53.6
15-Feb-09	05:11:00	56.7	59.3	53.9
15-Feb-09	05:16:00	57.1	58.2	53.1
15-Feb-09	05:21:00	55.6	57.2	53.3
15-Feb-09	05:26:00	61.0	62.0	53.4
15-Feb-09	05:31:00	59.0	61.1	53.3
15-Feb-09	05:36:00	56.3	59.5	53.0
15-Feb-09	05:41:00	56.3	59.5	53.0
15-Feb-09	05:46:00	56.4	59.5	53.2
15-Feb-09	05:51:00	57.8	61.0	53.1
15-Feb-09	05:56:00	55.2	57.0	52.5
15-Feb-09	06:01:00	57.4	58.8	52.8
15-Feb-09	06:06:00	58.3	59.7	53.2
15-Feb-09	06:11:00	54.1	55.6	52.3
15-Feb-09	06:16:00	55.1	57.6	52.4
15-Feb-09	06:21:00	56.3	59.0	52.5
15-Feb-09	06:26:00	58.9	60.9	52.6
15-Feb-09	06:31:00	57.5	60.4	52.7
15-Feb-09	06:36:00	58.8	60.5	54.5
15-Feb-09	06:41:00	63.3	67.4	54.4
15-Feb-09	06:46:00	60.7	63.3	55.3
15-Feb-09	06:51:00	58.8	60.7	54.6
15-Feb-09	06:56:00	62.1	66.4	55.0
15-Feb-09	23:01:00	61.2	64.9	54.9
15-Feb-09	23:06:00	62.0	65.8	55.3
15-Feb-09	23:11:00	61.2	64.3	55.6
15-Feb-09	23:16:00	61.6	64.0	55.6
15-Feb-09	23:21:00	60.3	62.9	54.7
15-Feb-09	23:26:00	61.7	64.3	55.3
15-Feb-09	23:31:00	61.8	65.4	55.0
15-Feb-09	23:36:00	60.6	63.1	54.6
15-Feb-09	23:41:00	60.8	63.6	55.5
15-Feb-09	23:46:00	63.0	68.0	55.1
15-Feb-09	23:51:00	61.0	65.0	55.3
15-Feb-09	23:56:00	58.6	61.0	53.9
	Mean	58.7	61.6	53.8
	Maximum	65.0	68.0	56.2
	Minimum	54.1	55.0	51.9

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Feb-09	00:01:00	63.2	63.6	54.4
16-Feb-09	00:06:00	60.5	63.4	53.8
16-Feb-09	00:11:00	59.0	60.6	54.2
16-Feb-09	00:16:00	61.2	65.2	54.8
16-Feb-09	00:21:00	57.6	59.9	53.3
16-Feb-09	00:26:00	58.6	59.6	53.2
16-Feb-09	00:31:00	58.8	61.5	54.0
16-Feb-09	00:36:00	58.0	60.7	53.4
16-Feb-09	00:41:00	55.8	58.5	52.6
16-Feb-09	00:46:00	57.3	59.9	52.6
16-Feb-09	00:51:00	55.2	57.4	53.1
16-Feb-09	00:56:00	55.3	56.1	52.4
16-Feb-09	01:01:00	54.3	56.6	52.4
16-Feb-09	01:06:00	56.0	58.5	52.3
16-Feb-09	01:11:00	56.4	58.8	52.6
16-Feb-09	01:16:00	57.8	59.6	52.6
16-Feb-09	01:21:00	54.8	56.2	52.4
16-Feb-09	01:26:00	56.1	58.7	52.3
16-Feb-09	01:31:00	53.1	54.1	52.1
16-Feb-09	01:36:00	54.2	56.3	52.3
16-Feb-09	01:41:00	54.8	58.0	52.3
16-Feb-09	01:46:00	54.0	56.0	51.7
16-Feb-09	01:51:00	53.2	54.4	51.6
16-Feb-09	01:56:00	54.6	57.6	51.8
16-Feb-09	02:01:00	55.2	57.8	52.3
16-Feb-09	02:06:00	65.8	69.5	59.0
16-Feb-09	02:11:00	55.9	58.5	51.9
16-Feb-09	02:16:00	55.6	58.6	51.9
16-Feb-09	02:21:00	53.3	54.2	51.7
16-Feb-09	02:26:00	54.4	56.9	51.6
16-Feb-09	02:31:00	54.1	56.4	51.9
16-Feb-09	02:36:00	53.6	55.0	51.5
16-Feb-09	02:41:00	53.8	54.9	51.5
16-Feb-09	02:46:00	55.3	56.0	51.5
16-Feb-09	02:51:00	53.8	55.5	51.9
16-Feb-09	02:56:00	53.1	54.4	51.5
16-Feb-09	03:01:00	53.0	53.9	51.4
16-Feb-09	03:06:00	54.4	55.9	51.5
16-Feb-09	03:11:00	53.0	54.0	51.4
16-Feb-09	03:16:00	53.4	54.5	51.4
16-Feb-09	03:21:00	53.8	54.8	51.4
16-Feb-09	03:26:00	53.8	55.7	51.4
16-Feb-09	03:31:00	53.1	54.1	51.5
16-Feb-09	03:36:00	52.9	54.1	51.5
16-Feb-09	03:41:00	53.4	55.5	51.5
16-Feb-09	03:46:00	55.4	59.4	51.6
16-Feb-09	03:51:00	56.1	59.9	52.5
16-Feb-09	03:56:00	53.6	54.6	52.3
16-Feb-09	04:01:00	54.3	56.4	52.5
16-Feb-09	04:06:00	54.1	55.2	52.5
16-Feb-09	04:11:00	53.6	54.6	52.5

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Feb-09	04:16:00	55.2	55.4	52.5
16-Feb-09	04:21:00	55.2	56.6	52.8
16-Feb-09	04:26:00	53.3	54.2	52.3
16-Feb-09	04:31:00	53.4	54.6	52.0
16-Feb-09	04:36:00	54.4	56.5	52.1
16-Feb-09	04:41:00	53.6	55.0	51.8
16-Feb-09	04:46:00	55.5	56.9	52.0
16-Feb-09	04:51:00	53.2	54.5	51.6
16-Feb-09	04:56:00	55.5	56.8	51.8
16-Feb-09	05:01:00	56.0	57.1	51.9
16-Feb-09	05:06:00	53.2	54.0	51.5
16-Feb-09	05:11:00	53.5	54.4	51.5
16-Feb-09	05:16:00	54.9	56.6	51.7
16-Feb-09	05:21:00	55.9	57.8	51.5
16-Feb-09	05:26:00	54.5	56.1	51.7
16-Feb-09	05:31:00	53.5	55.0	51.6
16-Feb-09	05:36:00	54.4	55.2	51.7
16-Feb-09	05:41:00	54.7	57.1	52.1
16-Feb-09	05:46:00	56.4	58.5	51.8
16-Feb-09	05:51:00	59.3	62.0	53.8
16-Feb-09	05:56:00	54.5	55.7	53.3
16-Feb-09	06:01:00	57.6	58.8	53.6
16-Feb-09	06:06:00	59.0	60.3	53.5
16-Feb-09	06:11:00	55.9	58.0	53.3
16-Feb-09	06:16:00	60.0	61.7	54.0
16-Feb-09	06:21:00	61.6	63.4	54.4
16-Feb-09	06:26:00	59.8	61.8	54.5
16-Feb-09	06:31:00	60.7	63.8	55.0
16-Feb-09	06:36:00	62.0	64.0	55.2
16-Feb-09	06:41:00	61.8	64.9	55.5
16-Feb-09	06:46:00	66.0	67.1	56.6
16-Feb-09	06:51:00	64.8	68.7	57.1
16-Feb-09	06:56:00	64.9	68.3	58.3
16-Feb-09	23:01:00	62.8	65.6	57.1
16-Feb-09	23:06:00	63.4	66.9	56.8
16-Feb-09	23:11:00	63.6	66.5	56.7
16-Feb-09	23:16:00	62.0	64.5	57.3
16-Feb-09	23:21:00	63.1	66.5	57.3
16-Feb-09	23:26:00	63.1	63.3	56.1
16-Feb-09	23:31:00	62.1	64.2	56.2
16-Feb-09	23:36:00	61.7	63.9	57.4
16-Feb-09	23:41:00	61.1	63.4	56.5
16-Feb-09	23:46:00	60.6	62.1	56.3
16-Feb-09	23:51:00	61.3	64.1	56.0
16-Feb-09	23:56:00	59.7	61.0	56.0
	Mean	58.6	61.0	53.7
	Maximum	66.0	69.5	59.0
	Minimum	52.9	53.9	51.4

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Feb-09	00:01:00	63.5	67.3	56.4
17-Feb-09	00:06:00	65.5	69.4	57.7
17-Feb-09	00:11:00	61.2	62.7	57.3
17-Feb-09	00:16:00	58.9	61.9	56.5
17-Feb-09	00:21:00	58.0	60.0	56.3
17-Feb-09	00:26:00	60.6	62.5	56.5
17-Feb-09	00:31:00	58.8	61.0	56.5
17-Feb-09	00:36:00	60.3	62.0	56.4
17-Feb-09	00:41:00	57.0	58.2	55.5
17-Feb-09	00:46:00	59.2	61.3	56.3
17-Feb-09	00:51:00	57.5	59.3	55.5
17-Feb-09	00:56:00	56.7	58.2	55.2
17-Feb-09	01:01:00	58.5	60.6	56.3
17-Feb-09	01:06:00	59.0	61.3	56.5
17-Feb-09	01:11:00	58.4	61.4	56.0
17-Feb-09	01:16:00	58.0	60.3	55.9
17-Feb-09	01:21:00	57.7	59.5	55.7
17-Feb-09	01:26:00	58.4	60.0	56.4
17-Feb-09	01:31:00	57.9	58.8	56.5
17-Feb-09	01:36:00	59.6	61.5	57.4
17-Feb-09	01:41:00	59.8	61.3	57.7
17-Feb-09	01:46:00	59.5	61.1	58.0
17-Feb-09	01:51:00	60.8	61.9	58.2
17-Feb-09	01:56:00	60.3	61.0	58.4
17-Feb-09	02:01:00	60.0	61.2	58.6
17-Feb-09	02:06:00	60.1	61.2	58.8
17-Feb-09	02:11:00	63.0	62.9	59.2
17-Feb-09	02:16:00	60.3	61.6	58.7
17-Feb-09	02:21:00	60.3	61.2	58.5
17-Feb-09	02:26:00	59.0	60.1	58.0
17-Feb-09	02:31:00	60.5	61.8	58.0
17-Feb-09	02:36:00	68.2	70.4	58.8
17-Feb-09	02:41:00	67.6	70.1	58.1
17-Feb-09	02:46:00	58.7	59.4	56.7
17-Feb-09	02:51:00	57.5	58.2	56.4
17-Feb-09	02:56:00	59.4	58.4	56.3
17-Feb-09	03:01:00	57.9	59.0	56.3
17-Feb-09	03:06:00	57.0	58.1	55.9
17-Feb-09	03:11:00	57.4	58.2	55.8
17-Feb-09	03:16:00	57.2	58.1	56.1
17-Feb-09	03:21:00	57.9	59.0	56.3
17-Feb-09	03:26:00	57.5	58.5	56.4
17-Feb-09	03:31:00	57.2	58.1	56.3
17-Feb-09	03:36:00	63.6	66.2	56.9
17-Feb-09	03:41:00	57.5	58.2	55.7
17-Feb-09	03:46:00	56.5	57.2	55.4
17-Feb-09	03:51:00	57.0	58.0	55.3
17-Feb-09	03:56:00	55.7	56.4	54.6
17-Feb-09	04:01:00	59.1	58.7	54.6
17-Feb-09	04:06:00	56.3	57.8	54.4
17-Feb-09	04:11:00	55.9	57.2	54.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Feb-09	04:16:00	56.2	56.2	54.3
17-Feb-09	04:21:00	56.2	57.2	53.9
17-Feb-09	04:26:00	55.5	56.8	53.8
17-Feb-09	04:31:00	55.1	56.4	53.4
17-Feb-09	04:36:00	54.5	55.3	53.3
17-Feb-09	04:41:00	55.5	56.6	53.4
17-Feb-09	04:46:00	55.9	56.7	53.4
17-Feb-09	04:51:00	61.2	60.5	53.3
17-Feb-09	04:56:00	54.4	55.1	52.6
17-Feb-09	05:01:00	53.8	54.7	52.6
17-Feb-09	05:06:00	58.7	60.2	52.9
17-Feb-09	05:11:00	55.5	57.2	53.0
17-Feb-09	05:16:00	54.0	55.0	52.6
17-Feb-09	05:21:00	56.5	58.2	53.3
17-Feb-09	05:26:00	55.3	57.2	52.9
17-Feb-09	05:31:00	54.8	55.9	52.6
17-Feb-09	05:36:00	55.8	57.6	53.4
17-Feb-09	05:41:00	54.0	55.3	52.5
17-Feb-09	05:46:00	54.9	56.8	52.7
17-Feb-09	05:51:00	56.5	59.6	53.1
17-Feb-09	05:56:00	57.9	59.6	54.6
17-Feb-09	06:01:00	59.5	59.0	54.3
17-Feb-09	06:06:00	56.8	59.4	54.3
17-Feb-09	06:11:00	57.1	59.0	54.3
17-Feb-09	06:16:00	59.1	62.2	54.5
17-Feb-09	06:21:00	61.3	64.9	54.8
17-Feb-09	06:26:00	60.3	62.4	54.7
17-Feb-09	06:31:00	60.1	63.0	55.0
17-Feb-09	06:36:00	64.2	66.1	56.0
17-Feb-09	06:41:00	66.5	68.5	56.7
17-Feb-09	06:46:00	62.5	66.1	56.6
17-Feb-09	06:51:00	65.8	70.1	57.6
17-Feb-09	06:56:00	66.6	70.8	59.1
17-Feb-09	23:01:00	62.9	65.6	56.4
17-Feb-09	23:06:00	62.8	66.4	56.1
17-Feb-09	23:11:00	63.2	66.8	56.4
17-Feb-09	23:16:00	62.5	65.1	55.7
17-Feb-09	23:21:00	62.4	65.8	55.9
17-Feb-09	23:26:00	61.1	63.9	55.7
17-Feb-09	23:31:00	62.3	65.0	56.0
17-Feb-09	23:36:00	62.9	64.8	55.4
17-Feb-09	23:41:00	60.6	62.3	54.6
17-Feb-09	23:46:00	61.3	64.4	54.7
17-Feb-09	23:51:00	57.7	60.2	54.4
17-Feb-09	23:56:00	61.2	63.1	54.0
	Mean	60.5	62.8	56.0
	Maximum	68.2	70.8	59.2
	Minimum	53.8	54.7	52.5

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
18-Feb-09	00:01:00	59.2	61.2	54.3
18-Feb-09	00:06:00	61.7	62.9	54.2
18-Feb-09	00:11:00	59.1	61.0	55.4
18-Feb-09	00:16:00	58.6	61.8	54.6
18-Feb-09	00:21:00	61.5	65.4	54.2
18-Feb-09	00:26:00	57.3	60.0	53.7
18-Feb-09	00:31:00	59.1	61.4	54.1
18-Feb-09	00:36:00	59.5	61.3	53.7
18-Feb-09	00:41:00	57.9	60.8	53.8
18-Feb-09	00:46:00	56.4	58.9	53.2
18-Feb-09	00:51:00	57.0	59.5	53.3
18-Feb-09	00:56:00	56.1	59.8	51.5
18-Feb-09	01:01:00	55.7	59.6	50.7
18-Feb-09	01:06:00	56.8	60.2	50.9
18-Feb-09	01:11:00	56.8	60.5	50.6
18-Feb-09	01:16:00	60.9	62.2	50.9
18-Feb-09	01:21:00	55.0	57.6	50.8
18-Feb-09	01:26:00	55.0	58.1	50.3
18-Feb-09	01:31:00	54.8	58.3	50.5
18-Feb-09	01:36:00	56.6	59.7	50.2
18-Feb-09	01:41:00	55.4	58.7	50.3
18-Feb-09	01:46:00	55.2	59.8	50.0
18-Feb-09	01:51:00	54.9	58.5	50.5
18-Feb-09	01:56:00	53.8	55.9	49.7
18-Feb-09	02:01:00	52.7	55.3	49.5
18-Feb-09	02:06:00	56.4	57.8	49.8
18-Feb-09	02:11:00	56.3	58.4	50.7
18-Feb-09	02:16:00	53.9	57.2	49.9
18-Feb-09	02:21:00	52.8	55.9	48.8
18-Feb-09	02:26:00	53.2	55.0	49.0
18-Feb-09	02:31:00	52.5	54.5	49.0
18-Feb-09	02:36:00	53.1	56.5	49.2
18-Feb-09	02:41:00	54.9	56.1	49.1
18-Feb-09	02:46:00	52.3	54.7	48.8
18-Feb-09	02:51:00	54.5	57.9	49.5
18-Feb-09	02:56:00	53.6	56.9	49.3
18-Feb-09	03:01:00	53.6	55.9	49.4
18-Feb-09	03:06:00	53.8	54.0	49.3
18-Feb-09	03:11:00	61.7	63.8	50.4
18-Feb-09	03:16:00	52.7	54.6	49.5
18-Feb-09	03:21:00	53.1	54.9	49.1
18-Feb-09	03:26:00	52.7	54.4	49.2
18-Feb-09	03:31:00	55.7	59.1	50.9
18-Feb-09	03:36:00	51.2	53.6	48.7
18-Feb-09	03:41:00	55.3	57.0	49.2
18-Feb-09	03:46:00	52.3	55.3	48.9
18-Feb-09	03:51:00	51.8	54.3	48.6
18-Feb-09	03:56:00	54.4	58.2	49.1
18-Feb-09	04:01:00	54.7	57.1	48.7
18-Feb-09	04:06:00	50.8	51.9	48.5
18-Feb-09	04:11:00	52.2	53.9	48.6

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
18-Feb-09	04:16:00	52.2	54.1	49.1
18-Feb-09	04:21:00	54.2	56.4	49.1
18-Feb-09	04:26:00	55.0	57.8	49.5
18-Feb-09	04:31:00	52.1	54.3	49.1
18-Feb-09	04:36:00	51.6	54.1	49.0
18-Feb-09	04:41:00	55.1	56.3	49.7
18-Feb-09	04:46:00	51.8	53.6	49.6
18-Feb-09	04:51:00	52.4	53.9	49.6
18-Feb-09	04:56:00	51.1	52.7	48.9
18-Feb-09	05:01:00	54.9	57.3	49.2
18-Feb-09	05:06:00	53.0	54.9	49.5
18-Feb-09	05:11:00	52.2	54.1	49.6
18-Feb-09	05:16:00	51.7	52.5	48.8
18-Feb-09	05:21:00	51.6	53.2	49.0
18-Feb-09	05:26:00	54.3	57.6	49.1
18-Feb-09	05:31:00	55.1	56.3	49.0
18-Feb-09	05:36:00	54.4	56.9	49.6
18-Feb-09	05:41:00	53.0	54.6	49.5
18-Feb-09	05:46:00	53.0	55.5	49.9
18-Feb-09	05:51:00	53.7	57.3	50.5
18-Feb-09	05:56:00	56.8	58.0	50.4
18-Feb-09	06:01:00	54.1	56.8	50.7
18-Feb-09	06:06:00	56.4	60.1	51.6
18-Feb-09	06:11:00	56.7	58.7	52.4
18-Feb-09	06:16:00	56.1	58.4	52.5
18-Feb-09	06:21:00	58.7	62.3	52.8
18-Feb-09	06:26:00	60.2	61.5	52.8
18-Feb-09	06:31:00	57.4	60.6	52.4
18-Feb-09	06:36:00	60.5	63.7	53.2
18-Feb-09	06:41:00	60.7	61.9	52.8
18-Feb-09	06:46:00	61.4	64.8	55.3
18-Feb-09	06:51:00	66.4	67.1	56.6
18-Feb-09	06:56:00	62.3	63.8	54.2
18-Feb-09	23:01:00	63.6	66.6	56.5
18-Feb-09	23:06:00	64.5	67.9	58.5
18-Feb-09	23:11:00	61.1	64.2	56.2
18-Feb-09	23:16:00	62.9	66.9	55.9
18-Feb-09	23:21:00	63.5	66.4	56.4
18-Feb-09	23:26:00	60.8	63.7	55.1
18-Feb-09	23:31:00	62.3	65.0	56.5
18-Feb-09	23:36:00	63.0	65.3	55.9
18-Feb-09	23:41:00	62.7	64.7	56.7
18-Feb-09	23:46:00	63.8	65.4	55.9
18-Feb-09	23:51:00	62.3	64.1	57.0
18-Feb-09	23:56:00	61.2	64.0	56.3
	Mean	58.2	60.7	52.3
	Maximum	66.4	67.9	58.5
	Minimum	50.8	51.9	48.5



## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-Feb-09	00:01:00	67.0	65.1	55.8
19-Feb-09	00:06:00	60.5	62.6	55.3
19-Feb-09	00:11:00	62.6	66.5	55.6
19-Feb-09	00:16:00	61.5	63.3	54.8
19-Feb-09	00:21:00	60.0	61.6	53.4
19-Feb-09	00:26:00	60.3	62.3	54.4
19-Feb-09	00:31:00	59.6	61.5	53.8
19-Feb-09	00:36:00	60.9	61.7	54.8
19-Feb-09	00:41:00	57.7	60.4	54.7
19-Feb-09	00:46:00	60.8	63.4	55.3
19-Feb-09	00:51:00	57.7	60.6	53.9
19-Feb-09	00:56:00	56.2	58.8	53.2
19-Feb-09	01:01:00	58.0	60.8	53.7
19-Feb-09	01:06:00	56.0	59.8	52.8
19-Feb-09	01:11:00	58.4	62.3	53.7
19-Feb-09	01:16:00	56.5	60.0	52.9
19-Feb-09	01:21:00	56.9	60.3	53.1
19-Feb-09	01:26:00	58.6	61.1	53.3
19-Feb-09	01:31:00	56.7	59.3	52.9
19-Feb-09	01:36:00	56.3	59.1	52.8
19-Feb-09	01:41:00	57.7	61.8	52.7
19-Feb-09	01:46:00	57.3	60.1	53.6
19-Feb-09	01:51:00	56.7	60.1	52.9
19-Feb-09	01:56:00	56.3	59.5	52.5
19-Feb-09	02:01:00	56.2	59.3	52.5
19-Feb-09	02:06:00	54.7	57.0	52.2
19-Feb-09	02:11:00	61.6	59.5	52.9
19-Feb-09	02:16:00	55.3	57.9	52.5
19-Feb-09	02:21:00	55.8	58.6	52.3
19-Feb-09	02:26:00	55.5	57.6	52.7
19-Feb-09	02:31:00	55.4	58.8	51.9
19-Feb-09	02:36:00	55.4	58.8	51.9
19-Feb-09	02:41:00	57.6	61.3	52.8
19-Feb-09	02:46:00	56.9	59.9	52.7
19-Feb-09	02:51:00	55.4	58.9	52.0
19-Feb-09	02:56:00	54.7	56.5	51.8
19-Feb-09	03:01:00	62.2	65.0	53.1
19-Feb-09	03:06:00	56.4	58.2	52.8
19-Feb-09	03:11:00	54.9	57.4	52.0
19-Feb-09	03:16:00	53.6	55.2	51.7
19-Feb-09	03:21:00	55.3	58.2	52.1
19-Feb-09	03:26:00	54.1	56.0	51.8
19-Feb-09	03:31:00	54.2	56.7	51.8
19-Feb-09	03:36:00	55.6	57.6	51.8
19-Feb-09	03:41:00	55.3	57.7	51.8
19-Feb-09	03:46:00	54.8	57.6	52.0
19-Feb-09	03:51:00	54.4	56.2	51.8
19-Feb-09	03:56:00	54.1	56.0	51.7
19-Feb-09	04:01:00	61.5	57.9	51.9
19-Feb-09	04:06:00	56.1	59.2	52.0
19-Feb-09	04:11:00	59.8	61.5	52.5

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-Feb-09	04:16:00	54.3	56.1	51.8
19-Feb-09	04:21:00	54.4	56.5	51.7
19-Feb-09	04:26:00	54.0	56.0	51.7
19-Feb-09	04:31:00	56.6	59.4	52.5
19-Feb-09	04:36:00	54.0	56.1	51.8
19-Feb-09	04:41:00	54.0	56.2	51.8
19-Feb-09	04:46:00	54.8	56.5	52.0
19-Feb-09	04:51:00	54.9	58.0	51.8
19-Feb-09	04:56:00	53.8	54.3	51.7
19-Feb-09	05:01:00	55.7	58.0	51.8
19-Feb-09	05:06:00	53.1	54.1	51.7
19-Feb-09	05:11:00	54.5	56.3	51.8
19-Feb-09	05:16:00	54.0	55.9	51.8
19-Feb-09	05:21:00	54.0	55.6	51.8
19-Feb-09	05:26:00	54.4	54.9	51.8
19-Feb-09	05:31:00	54.6	56.0	51.7
19-Feb-09	05:36:00	55.5	57.5	51.7
19-Feb-09	05:41:00	53.8	55.5	51.8
19-Feb-09	05:46:00	56.8	56.5	52.2
19-Feb-09	05:51:00	54.7	56.3	52.0
19-Feb-09	05:56:00	56.0	57.9	53.7
19-Feb-09	06:01:00	56.7	58.7	53.6
19-Feb-09	06:06:00	60.0	62.0	54.6
19-Feb-09	06:11:00	56.8	59.2	54.0
19-Feb-09	06:16:00	63.0	66.2	54.1
19-Feb-09	06:21:00	58.4	61.9	53.9
19-Feb-09	06:26:00	57.2	60.0	53.8
19-Feb-09	06:31:00	63.4	64.3	54.3
19-Feb-09	06:36:00	60.8	64.2	54.6
19-Feb-09	06:41:00	59.4	61.9	54.6
19-Feb-09	06:46:00	59.6	62.1	55.6
19-Feb-09	06:51:00	62.8	66.6	55.8
19-Feb-09	06:56:00	63.3	67.7	55.7
19-Feb-09	23:01:00	62.8	65.1	56.3
19-Feb-09	23:06:00	63.0	66.0	57.6
19-Feb-09	23:11:00	61.5	65.0	55.6
19-Feb-09	23:16:00	62.8	65.3	57.6
19-Feb-09	23:21:00	59.9	62.4	54.7
19-Feb-09	23:26:00	60.5	63.1	55.0
19-Feb-09	23:31:00	62.9	65.6	55.8
19-Feb-09	23:36:00	60.9	63.9	56.0
19-Feb-09	23:41:00	61.0	63.0	55.9
19-Feb-09	23:46:00	62.7	66.3	56.0
19-Feb-09	23:51:00	61.9	65.6	54.9
19-Feb-09	23:56:00	58.8	61.5	54.4
	Mean	58.9	61.3	53.6
	Maximum	67.0	67.7	57.6
	Minimum	53.1	54.1	51.7

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-Feb-09	00:01:00	61.0	64.8	55.0
20-Feb-09	00:06:00	61.8	65.0	55.4
20-Feb-09	00:11:00	58.5	60.5	55.6
20-Feb-09	00:16:00	60.7	63.2	57.4
20-Feb-09	00:21:00	59.3	61.4	57.4
20-Feb-09	00:26:00	60.3	62.6	57.5
20-Feb-09	00:31:00	61.0	63.2	57.5
20-Feb-09	00:36:00	62.9	64.6	57.6
20-Feb-09	00:41:00	59.6	62.1	57.4
20-Feb-09	00:46:00	62.4	61.5	57.4
20-Feb-09	00:51:00	58.7	61.0	56.6
20-Feb-09	00:56:00	58.8	60.9	56.8
20-Feb-09	01:01:00	59.1	61.3	56.7
20-Feb-09	01:06:00	59.6	62.5	56.9
20-Feb-09	01:11:00	58.4	60.0	56.8
20-Feb-09	01:16:00	58.6	60.7	56.6
20-Feb-09	01:21:00	59.1	61.3	56.6
20-Feb-09	01:26:00	58.7	60.2	56.6
20-Feb-09	01:31:00	58.5	60.4	56.6
20-Feb-09	01:36:00	58.4	60.2	56.6
20-Feb-09	01:41:00	58.6	60.4	56.8
20-Feb-09	01:46:00	58.6	60.8	56.6
20-Feb-09	01:51:00	60.3	62.1	56.5
20-Feb-09	01:56:00	58.3	60.2	56.5
20-Feb-09	02:01:00	58.1	59.6	56.5
20-Feb-09	02:06:00	58.9	61.0	56.9
20-Feb-09	02:11:00	58.3	60.2	56.5
20-Feb-09	02:16:00	59.3	61.4	56.6
20-Feb-09	02:21:00	58.5	60.9	56.5
20-Feb-09	02:26:00	58.0	59.1	56.5
20-Feb-09	02:31:00	58.1	59.8	56.5
20-Feb-09	02:36:00	58.8	60.8	56.5
20-Feb-09	02:41:00	58.0	59.3	56.4
20-Feb-09	02:46:00	58.2	58.9	56.4
20-Feb-09	02:51:00	57.9	59.4	56.4
20-Feb-09	02:56:00	58.0	59.2	56.4
20-Feb-09	03:01:00	57.9	59.1	56.4
20-Feb-09	03:06:00	58.0	59.6	56.4
20-Feb-09	03:11:00	58.0	60.1	56.4
20-Feb-09	03:16:00	61.8	64.7	56.8
20-Feb-09	03:21:00	58.5	60.2	56.4
20-Feb-09	03:26:00	58.0	59.4	56.4
20-Feb-09	03:31:00	57.8	59.0	56.3
20-Feb-09	03:36:00	58.3	60.0	56.5
20-Feb-09	03:41:00	58.2	60.0	56.5
20-Feb-09	03:46:00	58.2	59.5	56.5
20-Feb-09	03:51:00	58.3	60.1	56.4
20-Feb-09	03:56:00	57.8	58.9	56.4
20-Feb-09	04:01:00	57.8	59.0	56.4
20-Feb-09	04:06:00	58.2	60.1	56.4
20-Feb-09	04:11:00	57.5	58.7	56.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-Feb-09	04:16:00	57.8	59.0	56.3
20-Feb-09	04:21:00	58.1	59.9	56.4
20-Feb-09	04:26:00	57.5	58.2	56.4
20-Feb-09	04:31:00	58.0	59.8	56.4
20-Feb-09	04:36:00	57.4	58.3	56.3
20-Feb-09	04:41:00	58.3	59.9	56.4
20-Feb-09	04:46:00	57.1	58.0	56.3
20-Feb-09	04:51:00	58.1	60.0	56.4
20-Feb-09	04:56:00	57.9	59.2	56.4
20-Feb-09	05:01:00	57.9	58.8	56.4
20-Feb-09	05:06:00	57.8	59.3	56.4
20-Feb-09	05:11:00	57.4	58.2	56.3
20-Feb-09	05:16:00	58.2	59.0	56.4
20-Feb-09	05:21:00	58.9	61.0	56.4
20-Feb-09	05:26:00	58.4	59.9	56.4
20-Feb-09	05:31:00	57.7	59.0	56.4
20-Feb-09	05:36:00	58.9	60.1	56.6
20-Feb-09	05:41:00	61.6	62.9	56.7
20-Feb-09	05:46:00	59.3	60.6	57.3
20-Feb-09	05:51:00	60.1	61.8	57.9
20-Feb-09	05:56:00	59.3	61.3	57.4
20-Feb-09	06:01:00	60.9	62.9	57.4
20-Feb-09	06:06:00	59.5	61.1	57.4
20-Feb-09	06:11:00	58.2	59.2	57.1
20-Feb-09	06:16:00	63.7	66.2	57.7
20-Feb-09	06:21:00	62.4	64.2	57.9
20-Feb-09	06:26:00	59.5	61.4	57.5
20-Feb-09	06:31:00	62.5	65.1	58.3
20-Feb-09	06:36:00	65.3	68.6	58.3
20-Feb-09	06:41:00	62.6	65.8	58.3
20-Feb-09	06:46:00	65.0	69.4	59.0
20-Feb-09	06:51:00	64.1	67.6	59.4
20-Feb-09	06:56:00	64.4	67.8	59.6
20-Feb-09	23:01:00	63.4	66.3	57.2
20-Feb-09	23:06:00	62.3	65.1	56.6
20-Feb-09	23:11:00	64.9	68.2	56.8
20-Feb-09	23:16:00	63.0	66.4	56.4
20-Feb-09	23:21:00	62.5	65.0	55.8
20-Feb-09	23:26:00	60.4	63.3	54.6
20-Feb-09	23:31:00	62.5	64.4	57.3
20-Feb-09	23:36:00	61.4	63.9	55.4
20-Feb-09	23:41:00	63.3	65.5	56.3
20-Feb-09	23:46:00	61.0	63.4	56.1
20-Feb-09	23:51:00	59.9	62.6	55.1
20-Feb-09	23:56:00	63.3	65.9	55.7
	Mean	60.2	62.6	56.8
	Maximum	65.3	69.4	59.6
	Minimum	57.1	58.0	54.6

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-Feb-09	00:01:00	62.5	66.2	55.7
21-Feb-09	00:06:00	62.7	64.3	54.6
21-Feb-09	00:11:00	62.7	65.9	54.4
21-Feb-09	00:16:00	59.2	62.2	54.8
21-Feb-09	00:21:00	59.0	62.4	54.3
21-Feb-09	00:26:00	59.6	62.0	55.0
21-Feb-09	00:31:00	58.0	61.0	53.7
21-Feb-09	00:36:00	59.4	62.1	54.0
21-Feb-09	00:41:00	57.3	60.5	53.5
21-Feb-09	00:46:00	57.7	60.8	53.6
21-Feb-09	00:51:00	57.9	61.4	53.5
21-Feb-09	00:56:00	60.6	62.8	54.4
21-Feb-09	01:01:00	57.8	60.6	53.7
21-Feb-09	01:06:00	58.0	61.1	54.0
21-Feb-09	01:11:00	57.4	60.4	53.7
21-Feb-09	01:16:00	57.5	60.2	54.3
21-Feb-09	01:21:00	57.3	61.0	52.9
21-Feb-09	01:26:00	58.1	61.0	54.3
21-Feb-09	01:31:00	58.7	61.8	53.7
21-Feb-09	01:36:00	60.5	62.2	53.7
21-Feb-09	01:41:00	66.2	64.5	54.0
21-Feb-09	01:46:00	58.1	61.1	54.0
21-Feb-09	01:51:00	57.7	60.6	54.4
21-Feb-09	01:56:00	60.0	61.9	53.7
21-Feb-09	02:01:00	57.5	60.6	54.4
21-Feb-09	02:06:00	59.5	61.9	55.7
21-Feb-09	02:11:00	59.9	62.5	57.4
21-Feb-09	02:16:00	59.9	61.9	58.0
21-Feb-09	02:21:00	61.0	62.6	59.3
21-Feb-09	02:26:00	61.0	62.7	59.0
21-Feb-09	02:31:00	60.7	62.9	58.6
21-Feb-09	02:36:00	60.7	62.9	58.5
21-Feb-09	02:41:00	60.9	63.0	58.4
21-Feb-09	02:46:00	62.5	65.3	58.4
21-Feb-09	02:51:00	59.7	61.7	57.6
21-Feb-09	02:56:00	60.1	62.4	57.6
21-Feb-09	03:01:00	59.5	61.6	57.5
21-Feb-09	03:06:00	59.7	62.3	57.4
21-Feb-09	03:11:00	60.0	62.1	57.4
21-Feb-09	03:16:00	59.7	62.0	57.2
21-Feb-09	03:21:00	59.3	60.9	57.3
21-Feb-09	03:26:00	58.8	60.8	56.8
21-Feb-09	03:31:00	59.5	62.1	56.8
21-Feb-09	03:36:00	59.7	62.1	56.7
21-Feb-09	03:41:00	62.7	65.0	57.4
21-Feb-09	03:46:00	58.8	60.8	57.0
21-Feb-09	03:51:00	58.5	61.0	56.5
21-Feb-09	03:56:00	59.2	61.3	56.6
21-Feb-09	04:01:00	58.9	61.0	56.7
21-Feb-09	04:06:00	58.3	60.3	56.6
21-Feb-09	04:11:00	58.7	61.2	56.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-Feb-09	04:16:00	58.9	61.2	56.7
21-Feb-09	04:21:00	58.5	60.6	56.3
21-Feb-09	04:26:00	58.5	60.5	56.1
21-Feb-09	04:31:00	58.3	60.6	56.3
21-Feb-09	04:36:00	58.4	61.0	56.0
21-Feb-09	04:41:00	58.9	61.0	55.7
21-Feb-09	04:46:00	57.5	59.4	55.5
21-Feb-09	04:51:00	57.5	60.0	55.4
21-Feb-09	04:56:00	58.1	60.4	55.4
21-Feb-09	05:01:00	56.9	59.1	54.8
21-Feb-09	05:06:00	57.5	60.0	54.9
21-Feb-09	05:11:00	58.5	61.3	55.3
21-Feb-09	05:16:00	57.7	60.2	54.7
21-Feb-09	05:21:00	56.7	58.3	54.6
21-Feb-09	05:26:00	56.5	58.2	54.5
21-Feb-09	05:31:00	57.7	60.7	54.5
21-Feb-09	05:36:00	57.3	60.3	54.5
21-Feb-09	05:41:00	61.6	63.9	55.7
21-Feb-09	05:46:00	57.2	58.7	55.4
21-Feb-09	05:51:00	57.4	59.1	55.5
21-Feb-09	05:56:00	58.7	61.4	55.7
21-Feb-09	06:01:00	62.4	64.3	55.9
21-Feb-09	06:06:00	59.9	59.2	55.4
21-Feb-09	06:11:00	59.3	61.1	55.4
21-Feb-09	06:16:00	61.5	62.8	55.9
21-Feb-09	06:21:00	61.5	63.1	55.7
21-Feb-09	06:26:00	58.6	61.1	55.4
21-Feb-09	06:31:00	62.3	65.2	56.6
21-Feb-09	06:36:00	62.1	64.8	56.1
21-Feb-09	06:41:00	65.6	66.6	56.9
21-Feb-09	06:46:00	62.8	65.7	57.1
21-Feb-09	06:51:00	62.9	65.8	56.8
21-Feb-09	06:56:00	64.4	68.1	57.4
21-Feb-09	23:01:00	62.4	66.2	55.8
21-Feb-09	23:06:00	61.1	63.9	55.3
21-Feb-09	23:11:00	61.7	64.7	55.1
21-Feb-09	23:16:00	62.4	65.7	56.8
21-Feb-09	23:21:00	62.5	65.2	55.7
21-Feb-09	23:26:00	61.0	63.7	55.8
21-Feb-09	23:31:00	60.4	62.7	55.5
21-Feb-09	23:36:00	60.9	63.8	54.8
21-Feb-09	23:41:00	61.1	64.8	54.0
21-Feb-09	23:46:00	61.1	62.2	55.5
21-Feb-09	23:51:00	60.2	62.6	54.6
21-Feb-09	23:56:00	61.8	65.6	55.6
	Mean	60.3	62.7	55.9
	Maximum	66.2	68.1	59.3
	Minimum	56.5	58.2	52.9

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-Feb-09	00:01:00	61.8	65.0	54.4
22-Feb-09	00:06:00	58.1	61.2	53.4
22-Feb-09	00:11:00	61.9	66.0	53.7
22-Feb-09	00:16:00	60.0	62.4	54.2
22-Feb-09	00:21:00	59.7	62.6	53.1
22-Feb-09	00:26:00	57.8	61.7	52.3
22-Feb-09	00:31:00	62.8	63.3	53.6
22-Feb-09	00:36:00	59.1	61.0	53.2
22-Feb-09	00:41:00	57.3	60.7	52.5
22-Feb-09	00:46:00	58.0	61.1	52.6
22-Feb-09	00:51:00	56.7	61.3	51.5
22-Feb-09	00:56:00	57.7	61.8	52.4
22-Feb-09	01:01:00	58.2	61.7	53.1
22-Feb-09	01:06:00	57.2	60.3	52.4
22-Feb-09	01:11:00	57.6	60.9	51.4
22-Feb-09	01:16:00	56.3	60.4	51.5
22-Feb-09	01:21:00	57.3	60.8	50.9
22-Feb-09	01:26:00	57.1	61.0	51.5
22-Feb-09	01:31:00	56.0	60.0	51.3
22-Feb-09	01:36:00	57.6	60.8	51.7
22-Feb-09	01:41:00	57.9	61.2	52.3
22-Feb-09	01:46:00	56.5	60.4	51.6
22-Feb-09	01:51:00	57.1	60.9	51.3
22-Feb-09	01:56:00	55.5	58.9	50.6
22-Feb-09	02:01:00	56.0	60.0	50.4
22-Feb-09	02:06:00	61.7	62.3	51.3
22-Feb-09	02:11:00	57.3	61.0	50.4
22-Feb-09	02:16:00	56.7	60.2	51.7
22-Feb-09	02:21:00	55.2	58.8	50.3
22-Feb-09	02:26:00	56.5	59.6	50.9
22-Feb-09	02:31:00	56.1	59.8	50.1
22-Feb-09	02:36:00	55.3	58.4	50.3
22-Feb-09	02:41:00	56.1	60.3	50.7
22-Feb-09	02:46:00	56.5	60.0	50.0
22-Feb-09	02:51:00	58.1	61.7	50.4
22-Feb-09	02:56:00	55.4	59.1	50.4
22-Feb-09	03:01:00	56.8	60.8	50.5
22-Feb-09	03:06:00	58.0	61.3	52.6
22-Feb-09	03:11:00	55.4	59.2	50.7
22-Feb-09	03:16:00	56.2	60.1	50.4
22-Feb-09	03:21:00	59.1	61.9	50.6
22-Feb-09	03:26:00	56.9	61.4	50.4
22-Feb-09	03:31:00	56.2	60.7	49.9
22-Feb-09	03:36:00	56.5	60.2	50.7
22-Feb-09	03:41:00	56.9	60.2	49.9
22-Feb-09	03:46:00	55.5	59.9	49.6
22-Feb-09	03:51:00	56.0	59.0	49.8
22-Feb-09	03:56:00	54.9	58.8	50.3
22-Feb-09	04:01:00	55.4	59.6	49.8
22-Feb-09	04:06:00	54.6	58.1	50.4
22-Feb-09	04:11:00	60.6	65.7	50.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-Feb-09	04:16:00	57.3	59.6	50.1
22-Feb-09	04:21:00	53.9	56.9	49.8
22-Feb-09	04:26:00	55.9	59.0	50.4
22-Feb-09	04:31:00	56.3	60.3	50.4
22-Feb-09	04:36:00	54.3	58.3	49.5
22-Feb-09	04:41:00	56.2	60.3	50.0
22-Feb-09	04:46:00	55.2	59.6	49.6
22-Feb-09	04:51:00	55.4	59.7	49.8
22-Feb-09	04:56:00	56.5	59.1	50.3
22-Feb-09	05:01:00	57.8	60.1	55.3
22-Feb-09	05:06:00	57.5	59.4	50.0
22-Feb-09	05:11:00	56.0	59.5	49.6
22-Feb-09	05:16:00	53.2	55.1	49.5
22-Feb-09	05:21:00	54.7	58.7	49.6
22-Feb-09	05:26:00	55.4	59.6	49.5
22-Feb-09	05:31:00	55.3	59.9	49.5
22-Feb-09	05:36:00	53.3	56.1	49.5
22-Feb-09	05:41:00	55.0	58.1	49.6
22-Feb-09	05:46:00	55.4	58.1	49.5
22-Feb-09	05:51:00	54.8	57.7	49.5
22-Feb-09	05:56:00	55.1	57.5	50.3
22-Feb-09	06:01:00	58.0	59.3	49.5
22-Feb-09	06:06:00	57.2	60.3	50.7
22-Feb-09	06:11:00	56.2	58.0	49.9
22-Feb-09	06:16:00	56.3	60.1	50.4
22-Feb-09	06:21:00	59.6	61.1	50.4
22-Feb-09	06:26:00	55.1	58.1	49.6
22-Feb-09	06:31:00	54.8	58.2	50.1
22-Feb-09	06:36:00	61.0	64.0	53.4
22-Feb-09	06:41:00	60.3	63.7	53.0
22-Feb-09	06:46:00	60.0	63.1	53.8
22-Feb-09	06:51:00	62.5	65.7	54.4
22-Feb-09	06:56:00	60.4	64.2	53.9
22-Feb-09	23:01:00	60.4	62.5	54.8
22-Feb-09	23:06:00	61.6	64.0	54.5
22-Feb-09	23:11:00	61.4	64.9	54.7
22-Feb-09	23:16:00	60.8	64.0	54.8
22-Feb-09	23:21:00	61.5	64.3	52.7
22-Feb-09	23:26:00	60.3	63.0	53.5
22-Feb-09	23:31:00	60.7	64.3	53.2
22-Feb-09	23:36:00	62.0	64.3	53.0
22-Feb-09	23:41:00	58.6	61.3	51.8
22-Feb-09	23:46:00	60.0	64.1	51.7
22-Feb-09	23:51:00	60.8	63.4	52.0
22-Feb-09	23:56:00	59.1	61.3	51.7
	Mean	58.1	61.3	51.7
	Maximum	62.8	66.0	55.3
	Minimum	53.2	55.1	49.5

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-Feb-09	00:01:00	56.5	59.7	51.5
23-Feb-09	00:06:00	59.7	63.4	51.8
23-Feb-09	00:11:00	57.2	59.5	51.5
23-Feb-09	00:16:00	59.2	62.3	52.2
23-Feb-09	00:21:00	55.4	59.3	50.2
23-Feb-09	00:26:00	54.6	58.0	50.6
23-Feb-09	00:31:00	59.0	62.2	49.8
23-Feb-09	00:36:00	55.3	59.0	50.6
23-Feb-09	00:41:00	56.0	59.1	50.3
23-Feb-09	00:46:00	54.5	58.5	50.0
23-Feb-09	00:51:00	57.4	58.8	50.6
23-Feb-09	00:56:00	55.3	57.9	49.6
23-Feb-09	01:01:00	53.7	57.1	49.6
23-Feb-09	01:06:00	56.7	60.0	50.4
23-Feb-09	01:11:00	54.6	57.6	49.9
23-Feb-09	01:16:00	54.0	57.0	49.5
23-Feb-09	01:21:00	54.4	57.8	49.6
23-Feb-09	01:26:00	54.0	56.8	49.6
23-Feb-09	01:31:00	59.3	58.7	49.4
23-Feb-09	01:36:00	52.6	55.5	49.3
23-Feb-09	01:41:00	53.1	56.0	49.3
23-Feb-09	01:46:00	55.5	57.2	50.6
23-Feb-09	01:51:00	54.7	58.1	49.5
23-Feb-09	01:56:00	52.6	55.5	49.0
23-Feb-09	02:01:00	53.5	54.8	49.3
23-Feb-09	02:06:00	62.0	65.1	50.6
23-Feb-09	02:11:00	52.9	55.9	49.0
23-Feb-09	02:16:00	53.9	56.4	49.4
23-Feb-09	02:21:00	51.7	53.9	48.7
23-Feb-09	02:26:00	52.7	55.9	48.7
23-Feb-09	02:31:00	52.5	55.9	48.8
23-Feb-09	02:36:00	51.7	53.6	48.6
23-Feb-09	02:41:00	51.2	53.6	48.6
23-Feb-09	02:46:00	53.7	55.9	48.7
23-Feb-09	02:51:00	49.8	50.2	48.4
23-Feb-09	02:56:00	53.0	53.2	48.5
23-Feb-09	03:01:00	54.2	56.0	49.3
23-Feb-09	03:06:00	52.3	52.2	48.5
23-Feb-09	03:11:00	51.9	53.9	48.7
23-Feb-09	03:16:00	51.4	52.6	48.6
23-Feb-09	03:21:00	50.9	52.8	48.6
23-Feb-09	03:26:00	50.9	52.2	48.6
23-Feb-09	03:31:00	51.7	53.7	48.6
23-Feb-09	03:36:00	51.1	53.2	48.6
23-Feb-09	03:41:00	51.7	54.5	48.9
23-Feb-09	03:46:00	49.8	51.1	48.4
23-Feb-09	03:51:00	51.8	53.5	48.6
23-Feb-09	03:56:00	52.8	55.0	48.7
23-Feb-09	04:01:00	50.9	52.5	48.5
23-Feb-09	04:06:00	52.0	54.6	48.5
23-Feb-09	04:11:00	52.0	54.5	48.6

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-Feb-09	04:16:00	52.5	55.4	48.7
23-Feb-09	04:21:00	50.0	51.1	48.8
23-Feb-09	04:26:00	50.1	50.9	48.5
23-Feb-09	04:31:00	54.2	56.9	48.8
23-Feb-09	04:36:00	53.3	54.6	48.8
23-Feb-09	04:41:00	52.7	52.2	48.7
23-Feb-09	04:46:00	51.2	53.0	48.5
23-Feb-09	04:51:00	49.9	50.2	48.4
23-Feb-09	04:56:00	52.1	53.7	48.7
23-Feb-09	05:01:00	51.3	53.8	48.9
23-Feb-09	05:06:00	51.9	53.5	48.6
23-Feb-09	05:11:00	51.4	53.6	48.7
23-Feb-09	05:16:00	52.4	55.5	48.6
23-Feb-09	05:21:00	54.5	56.9	49.1
23-Feb-09	05:26:00	53.6	55.9	49.3
23-Feb-09	05:31:00	51.1	52.7	48.7
23-Feb-09	05:36:00	52.5	54.1	48.8
23-Feb-09	05:41:00	53.8	56.0	50.2
23-Feb-09	05:46:00	54.1	56.1	51.4
23-Feb-09	05:51:00	61.5	62.2	52.4
23-Feb-09	05:56:00	58.8	62.7	51.7
23-Feb-09	06:01:00	59.7	62.3	51.9
23-Feb-09	06:06:00	56.4	59.4	52.0
23-Feb-09	06:11:00	54.9	58.3	51.6
23-Feb-09	06:16:00	59.5	61.7	51.7
23-Feb-09	06:21:00	61.0	63.9	52.9
23-Feb-09	06:26:00	57.9	61.6	52.4
23-Feb-09	06:31:00	62.0	63.5	54.0
23-Feb-09	06:36:00	62.4	66.0	54.9
23-Feb-09	06:41:00	67.5	68.0	54.9
23-Feb-09	06:46:00	63.7	66.8	55.8
23-Feb-09	06:51:00	63.3	67.1	56.8
23-Feb-09	06:56:00	63.1	66.8	57.4
23-Feb-09	23:01:00	62.7	65.4	59.0
23-Feb-09	23:06:00	64.1	66.5	57.1
23-Feb-09	23:11:00	63.2	65.9	56.7
23-Feb-09	23:16:00	63.1	66.7	56.4
23-Feb-09	23:21:00	63.5	67.1	56.7
23-Feb-09	23:26:00	62.8	65.4	56.0
23-Feb-09	23:31:00	62.7	66.1	56.2
23-Feb-09	23:36:00	61.4	64.2	56.0
23-Feb-09	23:41:00	62.6	65.3	56.3
23-Feb-09	23:46:00	63.2	65.1	55.7
23-Feb-09	23:51:00	60.9	62.6	54.8
23-Feb-09	23:56:00	61.6	64.7	54.9
	Mean	58.2	60.9	51.9
	Maximum	67.5	68.0	59.0
	Minimum	49.8	50.2	48.4

## Appendix B4

### Night Time Noise Level at Hong Kong Institute of Technology (NC17)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-Feb-09	00:01:00	58.0	60.5	54.6
24-Feb-09	00:06:00	61.5	63.4	54.2
24-Feb-09	00:11:00	59.5	61.5	54.5
24-Feb-09	00:16:00	62.0	63.2	54.4
24-Feb-09	00:21:00	59.4	61.3	55.7
24-Feb-09	00:26:00	58.9	62.1	54.8
24-Feb-09	00:31:00	61.8	65.7	54.4
24-Feb-09	00:36:00	57.6	60.3	53.9
24-Feb-09	00:41:00	59.4	61.7	54.3
24-Feb-09	00:46:00	59.8	61.6	53.9
24-Feb-09	00:51:00	58.2	61.1	54.0
24-Feb-09	00:56:00	56.7	59.2	53.4
24-Feb-09	01:01:00	57.3	59.8	53.5
24-Feb-09	01:06:00	56.3	60.1	51.8
24-Feb-09	01:11:00	55.9	59.9	51.0
24-Feb-09	01:16:00	57.0	60.5	51.2
24-Feb-09	01:21:00	57.0	60.8	50.9
24-Feb-09	01:26:00	61.2	62.5	51.2
24-Feb-09	01:31:00	55.2	57.8	51.1
24-Feb-09	01:36:00	55.2	58.3	50.6
24-Feb-09	01:41:00	55.0	58.5	50.8
24-Feb-09	01:46:00	56.8	60.0	50.5
24-Feb-09	01:51:00	55.6	58.9	50.6
24-Feb-09	01:56:00	55.4	60.1	50.3
24-Feb-09	02:01:00	55.1	58.7	50.8
24-Feb-09	02:06:00	54.0	56.1	50.0
24-Feb-09	02:11:00	52.9	55.5	49.8
24-Feb-09	02:16:00	56.7	58.1	50.1
24-Feb-09	02:21:00	56.6	58.7	51.0
24-Feb-09	02:26:00	54.2	57.5	50.2
24-Feb-09	02:31:00	53.1	56.2	49.1
24-Feb-09	02:36:00	53.5	55.3	49.3
24-Feb-09	02:41:00	52.8	54.8	49.3
24-Feb-09	02:46:00	53.4	56.8	49.5
24-Feb-09	02:51:00	55.2	56.4	49.4
24-Feb-09	02:56:00	52.6	55.0	49.1
24-Feb-09	03:01:00	54.8	58.2	49.8
24-Feb-09	03:06:00	53.9	57.2	49.6
24-Feb-09	03:11:00	53.9	56.2	49.7
24-Feb-09	03:16:00	54.1	54.3	49.6
24-Feb-09	03:21:00	62.0	64.1	50.7
24-Feb-09	03:26:00	53.0	54.9	49.8
24-Feb-09	03:31:00	53.4	55.2	49.4
24-Feb-09	03:36:00	53.0	54.7	49.5
24-Feb-09	03:41:00	56.0	59.4	51.2
24-Feb-09	03:46:00	51.5	53.9	49.0
24-Feb-09	03:51:00	55.6	57.3	49.5
24-Feb-09	03:56:00	52.6	55.6	49.2
24-Feb-09	04:01:00	52.1	54.6	48.9
24-Feb-09	04:06:00	54.7	58.5	49.4
24-Feb-09	04:11:00	55.0	57.4	49.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-Feb-09	04:16:00	51.1	52.2	48.8
24-Feb-09	04:21:00	52.5	54.2	48.9
24-Feb-09	04:26:00	52.5	54.4	49.4
24-Feb-09	04:31:00	54.4	56.6	49.4
24-Feb-09	04:36:00	55.2	58.0	49.8
24-Feb-09	04:41:00	52.4	54.5	49.4
24-Feb-09	04:46:00	51.9	54.3	49.3
24-Feb-09	04:51:00	55.3	56.5	50.0
24-Feb-09	04:56:00	52.1	53.8	49.9
24-Feb-09	05:01:00	52.7	54.1	49.9
24-Feb-09	05:06:00	51.4	52.9	49.2
24-Feb-09	05:11:00	55.1	57.5	49.5
24-Feb-09	05:16:00	53.2	55.1	49.8
24-Feb-09	05:21:00	52.5	54.3	49.9
24-Feb-09	05:26:00	52.0	52.8	49.1
24-Feb-09	05:31:00	51.9	53.4	49.3
24-Feb-09	05:36:00	54.5	57.8	49.4
24-Feb-09	05:41:00	55.3	56.5	49.3
24-Feb-09	05:46:00	54.6	57.1	49.9
24-Feb-09	05:51:00	53.2	54.8	49.8
24-Feb-09	05:56:00	53.2	55.7	50.2
24-Feb-09	06:01:00	53.9	57.5	50.8
24-Feb-09	06:06:00	57.0	58.2	50.7
24-Feb-09	06:11:00	54.3	57.0	51.0
24-Feb-09	06:16:00	56.6	60.4	51.9
24-Feb-09	06:21:00	56.9	58.9	52.7
24-Feb-09	06:26:00	56.3	58.6	52.8
24-Feb-09	06:31:00	58.9	62.6	53.0
24-Feb-09	06:36:00	60.5	61.8	53.0
24-Feb-09	06:41:00	57.6	60.9	52.7
24-Feb-09	06:46:00	60.8	64.0	53.4
24-Feb-09	06:51:00	61.0	62.2	53.0
24-Feb-09	06:56:00	61.7	65.1	55.5
24-Feb-09	23:01:00	61.3	64.2	54.3
24-Feb-09	23:06:00	62.6	66.9	54.8
24-Feb-09	23:11:00	62.7	65.5	55.0
24-Feb-09	23:16:00	62.0	63.9	54.9
24-Feb-09	23:21:00	61.9	65.2	55.0
24-Feb-09	23:26:00	62.0	65.4	54.9
24-Feb-09	23:31:00	61.0	62.8	54.6
24-Feb-09	23:36:00	61.4	64.0	54.6
24-Feb-09	23:41:00	66.7	65.4	53.6
24-Feb-09	23:46:00	60.7	62.2	52.2
24-Feb-09	23:51:00	59.9	62.1	52.0
24-Feb-09	23:56:00	60.5	63.6	54.6
Mean		57.9	60.3	51.9
Maximum		66.7	66.9	55.7
Minimum		51.1	52.2	48.8

Summary of Night Time Noise Level at Hong Kong Institute of Technology (NC17)			
	Leq	L10	L90
Mean	59.1	61.6	54.1
Max	68.2	70.8	59.6
Min	49.8	50.2	48.4

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Feb-09	00:02:00	59.7	62.9	52.3
11-Feb-09	00:07:00	59.5	61.8	51.5
11-Feb-09	00:12:00	57.7	60.5	51.3
11-Feb-09	00:17:00	57.1	60.0	52.3
11-Feb-09	00:22:00	57.5	61.0	51.3
11-Feb-09	00:27:00	56.7	58.5	50.8
11-Feb-09	00:32:00	58.1	62.2	51.5
11-Feb-09	00:37:00	57.0	59.9	50.6
11-Feb-09	00:42:00	54.8	58.6	50.5
11-Feb-09	00:47:00	54.6	57.7	50.4
11-Feb-09	00:52:00	56.2	60.0	50.1
11-Feb-09	00:57:00	55.7	59.7	49.9
11-Feb-09	01:02:00	57.3	59.6	50.2
11-Feb-09	01:07:00	53.9	56.7	49.8
11-Feb-09	01:12:00	54.0	56.7	49.5
11-Feb-09	01:17:00	54.1	57.5	50.0
11-Feb-09	01:22:00	55.0	57.7	49.4
11-Feb-09	01:27:00	54.8	58.5	50.1
11-Feb-09	01:32:00	54.2	58.6	49.6
11-Feb-09	01:37:00	53.9	55.6	49.6
11-Feb-09	01:42:00	52.0	54.0	49.3
11-Feb-09	01:47:00	52.1	54.1	49.0
11-Feb-09	01:52:00	56.9	58.2	49.8
11-Feb-09	01:57:00	53.5	56.2	49.9
11-Feb-09	02:02:00	53.5	56.6	49.7
11-Feb-09	02:07:00	51.6	53.6	48.5
11-Feb-09	02:12:00	52.6	54.1	48.6
11-Feb-09	02:17:00	52.7	55.3	49.3
11-Feb-09	02:22:00	54.9	57.0	49.2
11-Feb-09	02:27:00	51.2	52.8	48.5
11-Feb-09	02:32:00	52.6	55.7	49.1
11-Feb-09	02:37:00	54.2	57.4	49.5
11-Feb-09	02:42:00	53.2	56.0	49.3
11-Feb-09	02:47:00	52.3	53.5	49.2
11-Feb-09	02:52:00	53.7	54.5	49.3
11-Feb-09	02:57:00	56.9	59.1	50.6
11-Feb-09	03:02:00	51.6	53.5	49.2
11-Feb-09	03:07:00	53.2	55.8	49.1
11-Feb-09	03:12:00	52.4	53.8	49.2
11-Feb-09	03:17:00	54.6	57.5	49.5
11-Feb-09	03:22:00	50.7	52.7	48.5
11-Feb-09	03:27:00	54.8	56.0	49.1
11-Feb-09	03:32:00	51.9	54.9	48.6
11-Feb-09	03:37:00	51.6	53.7	48.6
11-Feb-09	03:42:00	54.0	57.5	49.2
11-Feb-09	03:47:00	53.5	54.3	48.5
11-Feb-09	03:52:00	50.7	52.4	48.4
11-Feb-09	03:57:00	51.6	53.1	48.5
11-Feb-09	04:02:00	51.5	52.8	48.9
11-Feb-09	04:07:00	52.8	54.3	48.6
11-Feb-09	04:12:00	53.0	55.4	49.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
11-Feb-09	04:17:00	51.0	52.9	48.4
11-Feb-09	04:22:00	51.1	53.2	48.8
11-Feb-09	04:27:00	54.5	56.0	49.2
11-Feb-09	04:32:00	50.0	51.4	48.6
11-Feb-09	04:37:00	51.9	53.8	48.8
11-Feb-09	04:42:00	50.0	50.8	48.3
11-Feb-09	04:47:00	53.8	56.2	48.5
11-Feb-09	04:52:00	51.6	53.4	48.9
11-Feb-09	04:57:00	51.5	53.1	48.9
11-Feb-09	05:02:00	50.4	50.6	48.3
11-Feb-09	05:07:00	52.7	55.0	48.7
11-Feb-09	05:12:00	52.2	53.0	48.4
11-Feb-09	05:17:00	54.3	55.3	48.5
11-Feb-09	05:22:00	53.0	55.1	49.2
11-Feb-09	05:27:00	52.6	53.3	49.3
11-Feb-09	05:32:00	52.6	54.9	50.2
11-Feb-09	05:37:00	53.2	56.5	50.2
11-Feb-09	05:42:00	56.6	57.5	50.3
11-Feb-09	05:47:00	52.8	54.5	50.4
11-Feb-09	05:52:00	56.7	59.5	51.5
11-Feb-09	05:57:00	54.7	56.8	51.4
11-Feb-09	06:02:00	53.6	55.6	51.4
11-Feb-09	06:07:00	58.9	61.0	52.1
11-Feb-09	06:12:00	57.0	59.0	51.3
11-Feb-09	06:17:00	56.3	59.4	51.9
11-Feb-09	06:22:00	60.9	63.3	52.3
11-Feb-09	06:27:00	57.7	60.4	51.7
11-Feb-09	06:32:00	60.7	64.2	54.4
11-Feb-09	06:37:00	63.6	66.3	53.6
11-Feb-09	06:42:00	61.8	63.1	53.5
11-Feb-09	06:47:00	61.5	65.0	55.5
11-Feb-09	06:52:00	63.6	67.2	55.5
11-Feb-09	06:57:00	64.1	67.9	56.9
11-Feb-09	23:02:00	61.7	65.0	55.9
11-Feb-09	23:07:00	62.3	65.0	55.8
11-Feb-09	23:12:00	60.6	63.8	55.0
11-Feb-09	23:17:00	59.9	62.5	55.5
11-Feb-09	23:22:00	62.1	64.3	55.6
11-Feb-09	23:27:00	62.6	64.0	56.1
11-Feb-09	23:32:00	60.8	63.2	55.5
11-Feb-09	23:37:00	60.9	63.1	55.8
11-Feb-09	23:42:00	59.8	62.3	55.4
11-Feb-09	23:47:00	63.2	64.0	55.1
11-Feb-09	23:52:00	59.7	61.8	55.0
11-Feb-09	23:57:00	61.9	65.2	55.2
	Mean	57.3	59.9	51.6
	Maximum	64.1	67.9	56.9
	Minimum	50.0	50.6	48.3

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Feb-09	00:02:00	58.9	61.3	54.3
12-Feb-09	00:07:00	59.1	60.9	53.6
12-Feb-09	00:12:00	60.5	62.7	54.4
12-Feb-09	00:17:00	57.2	60.2	54.1
12-Feb-09	00:22:00	59.9	60.7	55.1
12-Feb-09	00:27:00	57.0	59.8	54.3
12-Feb-09	00:32:00	59.7	62.6	54.9
12-Feb-09	00:37:00	57.0	59.9	54.2
12-Feb-09	00:42:00	55.6	57.6	53.5
12-Feb-09	00:47:00	57.2	59.9	53.5
12-Feb-09	00:52:00	56.2	59.4	53.3
12-Feb-09	00:57:00	57.7	61.3	53.5
12-Feb-09	01:02:00	56.1	58.8	53.3
12-Feb-09	01:07:00	56.4	59.5	53.4
12-Feb-09	01:12:00	57.7	59.8	53.5
12-Feb-09	01:17:00	56.2	58.9	53.3
12-Feb-09	01:22:00	55.7	57.8	53.2
12-Feb-09	01:27:00	57.6	61.1	53.4
12-Feb-09	01:32:00	56.3	58.8	53.6
12-Feb-09	01:37:00	55.8	58.0	53.3
12-Feb-09	01:42:00	56.7	59.9	53.2
12-Feb-09	01:47:00	55.0	57.4	53.0
12-Feb-09	01:52:00	55.2	57.3	53.0
12-Feb-09	01:57:00	58.7	59.0	53.3
12-Feb-09	02:02:00	55.7	57.4	53.2
12-Feb-09	02:07:00	55.5	57.3	53.0
12-Feb-09	02:12:00	55.3	57.3	53.2
12-Feb-09	02:17:00	55.1	57.6	52.6
12-Feb-09	02:22:00	55.3	57.2	52.7
12-Feb-09	02:27:00	57.1	60.2	53.3
12-Feb-09	02:32:00	56.5	59.5	53.1
12-Feb-09	02:37:00	55.1	57.9	52.6
12-Feb-09	02:42:00	54.7	55.7	52.4
12-Feb-09	02:47:00	59.3	61.8	53.5
12-Feb-09	02:52:00	56.0	58.0	53.1
12-Feb-09	02:57:00	54.4	55.9	52.5
12-Feb-09	03:02:00	54.0	54.9	52.4
12-Feb-09	03:07:00	55.1	57.3	52.7
12-Feb-09	03:12:00	53.7	54.8	52.4
12-Feb-09	03:17:00	54.3	56.1	52.4
12-Feb-09	03:22:00	55.4	57.1	52.4
12-Feb-09	03:27:00	55.0	56.6	52.4
12-Feb-09	03:32:00	54.7	56.8	52.8
12-Feb-09	03:37:00	54.3	55.7	52.3
12-Feb-09	03:42:00	60.4	56.6	52.4
12-Feb-09	03:47:00	55.4	57.8	52.5
12-Feb-09	03:52:00	56.1	58.9	52.7
12-Feb-09	03:57:00	57.3	57.9	52.6
12-Feb-09	04:02:00	54.4	55.8	52.4
12-Feb-09	04:07:00	54.2	55.8	52.3
12-Feb-09	04:12:00	54.5	56.0	52.5

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
12-Feb-09	04:17:00	55.5	57.2	52.9
12-Feb-09	04:22:00	54.0	54.9	52.4
12-Feb-09	04:27:00	53.9	55.0	52.4
12-Feb-09	04:32:00	54.8	56.3	52.5
12-Feb-09	04:37:00	54.9	57.7	52.5
12-Feb-09	04:42:00	53.9	54.3	52.2
12-Feb-09	04:47:00	55.1	56.5	52.4
12-Feb-09	04:52:00	53.6	54.7	52.3
12-Feb-09	04:57:00	54.4	55.5	52.3
12-Feb-09	05:02:00	54.2	55.7	52.6
12-Feb-09	05:07:00	54.6	55.7	52.5
12-Feb-09	05:12:00	53.5	54.0	52.3
12-Feb-09	05:17:00	54.5	55.4	52.3
12-Feb-09	05:22:00	55.4	57.2	52.4
12-Feb-09	05:27:00	55.4	55.8	52.4
12-Feb-09	05:32:00	54.6	55.0	52.5
12-Feb-09	05:37:00	54.6	55.9	52.7
12-Feb-09	05:42:00	55.3	56.9	53.4
12-Feb-09	05:47:00	55.8	57.4	53.5
12-Feb-09	05:52:00	58.9	60.9	54.3
12-Feb-09	05:57:00	56.1	58.4	53.9
12-Feb-09	06:02:00	60.4	64.5	54.1
12-Feb-09	06:07:00	57.1	60.0	53.6
12-Feb-09	06:12:00	57.1	59.7	53.8
12-Feb-09	06:17:00	59.6	61.7	54.3
12-Feb-09	06:22:00	60.1	63.5	54.4
12-Feb-09	06:27:00	58.8	61.3	54.3
12-Feb-09	06:32:00	59.8	62.4	55.1
12-Feb-09	06:37:00	61.1	64.0	55.2
12-Feb-09	06:42:00	62.1	65.7	55.2
12-Feb-09	06:47:00	62.4	66.4	56.4
12-Feb-09	06:52:00	63.0	66.1	57.3
12-Feb-09	06:57:00	62.6	66.3	57.3
12-Feb-09	23:02:00	62.6	64.7	57.6
12-Feb-09	23:07:00	62.3	64.4	57.3
12-Feb-09	23:12:00	61.4	64.8	57.4
12-Feb-09	23:17:00	62.4	64.9	58.2
12-Feb-09	23:22:00	62.7	66.0	57.2
12-Feb-09	23:27:00	60.2	62.7	56.7
12-Feb-09	23:32:00	61.8	64.3	57.3
12-Feb-09	23:37:00	61.3	64.3	56.6
12-Feb-09	23:42:00	59.5	62.0	56.5
12-Feb-09	23:47:00	62.7	64.7	57.5
12-Feb-09	23:52:00	60.9	63.6	56.4
12-Feb-09	23:57:00	60.7	62.8	56.6
	Mean	58.1	60.6	54.1
	Maximum	63.0	66.4	58.2
	Minimum	53.5	54.0	52.2



## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Feb-09	00:02:00	61.9	64.0	56.6
13-Feb-09	00:07:00	61.6	63.3	56.1
13-Feb-09	00:12:00	59.7	61.8	55.9
13-Feb-09	00:17:00	59.4	61.9	55.5
13-Feb-09	00:22:00	59.0	61.3	55.5
13-Feb-09	00:27:00	58.7	60.9	54.7
13-Feb-09	00:32:00	58.4	61.0	54.9
13-Feb-09	00:37:00	59.6	62.3	55.1
13-Feb-09	00:42:00	57.3	60.5	54.4
13-Feb-09	00:47:00	57.6	60.0	54.4
13-Feb-09	00:52:00	57.5	60.6	54.5
13-Feb-09	00:57:00	56.3	58.6	54.2
13-Feb-09	01:02:00	57.3	59.9	54.5
13-Feb-09	01:07:00	58.9	61.1	55.1
13-Feb-09	01:12:00	57.2	59.6	54.3
13-Feb-09	01:17:00	56.3	59.1	54.2
13-Feb-09	01:22:00	57.1	59.7	54.2
13-Feb-09	01:27:00	56.8	58.3	54.1
13-Feb-09	01:32:00	57.0	59.8	54.2
13-Feb-09	01:37:00	58.4	60.8	54.2
13-Feb-09	01:42:00	56.2	59.2	53.8
13-Feb-09	01:47:00	56.1	57.9	54.0
13-Feb-09	01:52:00	57.0	58.9	54.3
13-Feb-09	01:57:00	58.4	61.1	54.3
13-Feb-09	02:02:00	56.0	57.8	54.1
13-Feb-09	02:07:00	56.6	59.7	54.1
13-Feb-09	02:12:00	56.0	58.7	53.6
13-Feb-09	02:17:00	56.2	58.4	53.9
13-Feb-09	02:22:00	55.4	57.2	53.5
13-Feb-09	02:27:00	56.5	58.6	53.9
13-Feb-09	02:32:00	57.8	59.4	53.6
13-Feb-09	02:37:00	55.8	57.7	53.5
13-Feb-09	02:42:00	55.9	58.0	53.5
13-Feb-09	02:47:00	56.1	57.0	53.5
13-Feb-09	02:52:00	56.3	57.9	53.6
13-Feb-09	02:57:00	55.2	56.4	53.3
13-Feb-09	03:02:00	55.5	56.9	53.4
13-Feb-09	03:07:00	55.8	58.0	53.4
13-Feb-09	03:12:00	54.9	56.5	53.3
13-Feb-09	03:17:00	56.2	58.5	53.5
13-Feb-09	03:22:00	55.3	57.0	53.4
13-Feb-09	03:27:00	57.8	59.4	53.5
13-Feb-09	03:32:00	55.9	58.1	53.4
13-Feb-09	03:37:00	55.6	56.5	53.3
13-Feb-09	03:42:00	55.3	56.7	53.3
13-Feb-09	03:47:00	56.0	58.2	53.5
13-Feb-09	03:52:00	55.1	56.3	53.4
13-Feb-09	03:57:00	56.1	58.6	53.4
13-Feb-09	04:02:00	54.7	56.1	53.2
13-Feb-09	04:07:00	55.3	57.3	53.3
13-Feb-09	04:12:00	54.8	55.9	53.3

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
13-Feb-09	04:17:00	56.1	57.5	53.4
13-Feb-09	04:22:00	54.9	56.0	53.3
13-Feb-09	04:27:00	55.3	56.2	53.3
13-Feb-09	04:32:00	55.3	56.8	53.4
13-Feb-09	04:37:00	55.2	57.0	53.2
13-Feb-09	04:42:00	54.8	56.0	53.3
13-Feb-09	04:47:00	55.2	56.3	53.2
13-Feb-09	04:52:00	55.4	56.0	53.2
13-Feb-09	04:57:00	54.3	55.0	53.2
13-Feb-09	05:02:00	54.3	55.3	53.2
13-Feb-09	05:07:00	54.5	55.2	53.2
13-Feb-09	05:12:00	56.1	57.4	53.4
13-Feb-09	05:17:00	54.5	55.6	53.2
13-Feb-09	05:22:00	55.9	57.0	53.3
13-Feb-09	05:27:00	54.8	55.9	53.3
13-Feb-09	05:32:00	54.9	56.0	53.3
13-Feb-09	05:37:00	55.1	56.8	53.3
13-Feb-09	05:42:00	55.5	57.3	53.6
13-Feb-09	05:47:00	56.0	57.8	54.0
13-Feb-09	05:52:00	56.9	58.6	54.3
13-Feb-09	05:57:00	58.7	61.0	54.5
13-Feb-09	06:02:00	58.8	60.0	54.1
13-Feb-09	06:07:00	59.0	61.0	54.4
13-Feb-09	06:12:00	58.9	60.6	54.6
13-Feb-09	06:17:00	56.9	59.3	54.3
13-Feb-09	06:22:00	60.4	63.0	55.1
13-Feb-09	06:27:00	58.4	60.8	55.2
13-Feb-09	06:32:00	60.5	64.1	55.5
13-Feb-09	06:37:00	63.6	66.2	56.3
13-Feb-09	06:42:00	60.9	64.7	55.8
13-Feb-09	06:47:00	62.8	66.5	56.4
13-Feb-09	06:52:00	61.0	64.2	56.7
13-Feb-09	06:57:00	63.9	67.1	58.1
13-Feb-09	23:02:00	64.0	64.9	56.9
13-Feb-09	23:07:00	61.7	64.1	56.5
13-Feb-09	23:12:00	61.3	64.2	56.7
13-Feb-09	23:17:00	61.5	63.6	56.2
13-Feb-09	23:22:00	62.4	64.6	56.8
13-Feb-09	23:27:00	61.3	63.0	56.4
13-Feb-09	23:32:00	61.9	64.8	56.3
13-Feb-09	23:37:00	60.9	64.0	56.5
13-Feb-09	23:42:00	62.4	65.6	56.7
13-Feb-09	23:47:00	62.9	63.9	56.4
13-Feb-09	23:52:00	61.5	62.1	56.8
13-Feb-09	23:57:00	60.8	63.5	56.2
	Mean	58.5	60.8	54.6
	Maximum	64.0	67.1	58.1
	Minimum	54.3	55.0	53.2

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Feb-09	00:02:00	60.8	63.0	56.1
14-Feb-09	00:07:00	58.3	60.8	55.4
14-Feb-09	00:12:00	62.2	64.9	55.5
14-Feb-09	00:17:00	59.0	61.8	55.7
14-Feb-09	00:22:00	59.7	62.4	55.4
14-Feb-09	00:27:00	59.0	61.2	55.2
14-Feb-09	00:32:00	59.3	61.6	55.2
14-Feb-09	00:37:00	58.4	61.2	55.3
14-Feb-09	00:42:00	58.9	60.9	55.3
14-Feb-09	00:47:00	58.2	60.7	55.1
14-Feb-09	00:52:00	57.5	60.4	54.6
14-Feb-09	00:57:00	58.3	60.9	55.8
14-Feb-09	01:02:00	58.9	61.3	56.6
14-Feb-09	01:07:00	59.7	61.9	56.8
14-Feb-09	01:12:00	58.4	60.1	56.5
14-Feb-09	01:17:00	59.5	61.4	57.0
14-Feb-09	01:22:00	58.9	61.0	56.4
14-Feb-09	01:27:00	58.7	61.5	56.4
14-Feb-09	01:32:00	58.9	61.5	56.4
14-Feb-09	01:37:00	58.8	61.5	56.3
14-Feb-09	01:42:00	58.8	61.4	56.3
14-Feb-09	01:47:00	58.9	61.4	56.5
14-Feb-09	01:52:00	58.3	60.3	56.3
14-Feb-09	01:57:00	59.4	62.0	56.7
14-Feb-09	02:02:00	59.8	61.9	56.5
14-Feb-09	02:07:00	58.8	61.5	56.6
14-Feb-09	02:12:00	58.2	60.0	56.4
14-Feb-09	02:17:00	58.7	61.2	56.4
14-Feb-09	02:22:00	59.5	61.5	56.3
14-Feb-09	02:27:00	59.0	61.7	56.6
14-Feb-09	02:32:00	58.7	61.4	56.5
14-Feb-09	02:37:00	58.3	60.1	56.4
14-Feb-09	02:42:00	58.7	60.3	56.4
14-Feb-09	02:47:00	58.7	61.1	56.4
14-Feb-09	02:52:00	59.1	61.6	56.5
14-Feb-09	02:57:00	58.6	60.7	56.6
14-Feb-09	03:02:00	58.3	60.0	56.4
14-Feb-09	03:07:00	58.5	60.8	56.4
14-Feb-09	03:12:00	58.4	60.6	56.4
14-Feb-09	03:17:00	58.4	61.0	56.4
14-Feb-09	03:22:00	58.3	59.9	56.4
14-Feb-09	03:27:00	59.0	61.1	56.7
14-Feb-09	03:32:00	58.7	61.3	56.4
14-Feb-09	03:37:00	58.4	60.5	56.5
14-Feb-09	03:42:00	58.3	60.3	56.4
14-Feb-09	03:47:00	58.3	60.3	56.4
14-Feb-09	03:52:00	57.8	59.3	56.3
14-Feb-09	03:57:00	59.2	61.7	56.3
14-Feb-09	04:02:00	58.3	60.0	56.4
14-Feb-09	04:07:00	58.6	61.1	56.4
14-Feb-09	04:12:00	58.3	60.5	56.3

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
14-Feb-09	04:17:00	59.0	61.5	56.5
14-Feb-09	04:22:00	58.3	59.9	56.4
14-Feb-09	04:27:00	58.1	60.3	56.2
14-Feb-09	04:32:00	58.5	60.0	56.4
14-Feb-09	04:37:00	58.8	61.2	56.3
14-Feb-09	04:42:00	57.9	59.6	56.3
14-Feb-09	04:47:00	58.1	58.9	56.2
14-Feb-09	04:52:00	58.2	60.2	56.3
14-Feb-09	04:57:00	58.7	61.3	56.3
14-Feb-09	05:02:00	58.2	60.5	56.3
14-Feb-09	05:07:00	58.9	61.0	56.4
14-Feb-09	05:12:00	57.7	59.2	56.1
14-Feb-09	05:17:00	60.0	61.8	56.3
14-Feb-09	05:22:00	57.8	59.2	56.2
14-Feb-09	05:27:00	57.5	58.8	56.1
14-Feb-09	05:32:00	58.5	60.7	56.3
14-Feb-09	05:37:00	60.7	63.9	56.2
14-Feb-09	05:42:00	58.0	58.9	56.1
14-Feb-09	05:47:00	57.5	58.9	56.1
14-Feb-09	05:52:00	58.5	60.8	56.3
14-Feb-09	05:57:00	58.4	58.9	56.3
14-Feb-09	06:02:00	59.6	59.2	56.3
14-Feb-09	06:07:00	58.4	60.4	56.3
14-Feb-09	06:12:00	58.3	60.1	56.4
14-Feb-09	06:17:00	60.2	60.6	56.5
14-Feb-09	06:22:00	62.8	65.2	57.2
14-Feb-09	06:27:00	59.0	60.4	56.7
14-Feb-09	06:32:00	61.5	63.9	56.6
14-Feb-09	06:37:00	65.0	66.9	55.7
14-Feb-09	06:42:00	61.5	64.9	56.5
14-Feb-09	06:47:00	61.0	64.9	55.9
14-Feb-09	06:52:00	60.4	62.9	55.7
14-Feb-09	06:57:00	62.6	66.5	57.1
14-Feb-09	23:02:00	62.3	64.9	56.7
14-Feb-09	23:07:00	61.8	64.5	56.0
14-Feb-09	23:12:00	59.6	62.8	55.6
14-Feb-09	23:17:00	62.4	65.1	56.1
14-Feb-09	23:22:00	59.1	62.7	54.7
14-Feb-09	23:27:00	61.0	63.9	55.9
14-Feb-09	23:32:00	61.4	63.4	56.5
14-Feb-09	23:37:00	59.7	61.9	55.3
14-Feb-09	23:42:00	62.4	64.7	56.0
14-Feb-09	23:47:00	59.4	62.3	55.2
14-Feb-09	23:52:00	58.2	60.7	55.1
14-Feb-09	23:57:00	61.6	63.9	56.0
	Mean	59.5	61.8	56.2
	Maximum	65.0	66.9	57.2
	Minimum	57.5	58.8	54.6

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Feb-09	00:02:00	60.1	62.7	56.1
15-Feb-09	00:07:00	58.2	60.8	55.2
15-Feb-09	00:12:00	64.4	66.4	56.2
15-Feb-09	00:17:00	59.7	62.0	55.4
15-Feb-09	00:22:00	60.0	63.3	55.3
15-Feb-09	00:27:00	58.8	61.6	55.5
15-Feb-09	00:32:00	57.8	60.7	55.0
15-Feb-09	00:37:00	59.9	61.7	54.9
15-Feb-09	00:42:00	58.1	61.1	55.0
15-Feb-09	00:47:00	58.1	61.0	54.4
15-Feb-09	00:52:00	56.4	59.2	53.8
15-Feb-09	00:57:00	57.1	60.2	54.2
15-Feb-09	01:02:00	56.9	60.1	54.2
15-Feb-09	01:07:00	58.1	61.1	54.2
15-Feb-09	01:12:00	57.4	60.0	54.3
15-Feb-09	01:17:00	57.7	61.3	53.7
15-Feb-09	01:22:00	56.1	58.3	54.1
15-Feb-09	01:27:00	56.9	60.2	53.8
15-Feb-09	01:32:00	57.1	60.2	54.0
15-Feb-09	01:37:00	57.1	59.1	54.2
15-Feb-09	01:42:00	58.4	61.4	54.2
15-Feb-09	01:47:00	57.0	60.1	53.7
15-Feb-09	01:52:00	57.1	59.9	54.1
15-Feb-09	01:57:00	57.0	60.9	53.6
15-Feb-09	02:02:00	56.1	57.8	53.8
15-Feb-09	02:07:00	56.6	59.0	54.3
15-Feb-09	02:12:00	56.6	59.4	54.2
15-Feb-09	02:17:00	58.3	60.6	54.4
15-Feb-09	02:22:00	56.7	59.4	54.1
15-Feb-09	02:27:00	57.4	59.7	54.1
15-Feb-09	02:32:00	57.0	59.7	54.1
15-Feb-09	02:37:00	56.2	58.7	53.4
15-Feb-09	02:42:00	56.1	59.2	53.3
15-Feb-09	02:47:00	56.6	59.4	53.4
15-Feb-09	02:52:00	55.6	58.2	53.2
15-Feb-09	02:57:00	56.0	58.1	53.4
15-Feb-09	03:02:00	56.2	58.5	53.1
15-Feb-09	03:07:00	54.8	56.8	53.1
15-Feb-09	03:12:00	55.8	58.2	53.2
15-Feb-09	03:17:00	55.5	57.7	53.3
15-Feb-09	03:22:00	57.2	60.2	54.1
15-Feb-09	03:27:00	57.2	60.4	53.6
15-Feb-09	03:32:00	58.5	61.3	54.3
15-Feb-09	03:37:00	56.4	58.9	53.1
15-Feb-09	03:42:00	55.6	58.1	53.2
15-Feb-09	03:47:00	55.1	57.1	53.1
15-Feb-09	03:52:00	54.8	56.6	53.1
15-Feb-09	03:57:00	57.4	59.0	53.2
15-Feb-09	04:02:00	55.4	58.8	52.9
15-Feb-09	04:07:00	54.9	56.6	52.9
15-Feb-09	04:12:00	55.9	58.5	53.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
15-Feb-09	04:17:00	56.0	59.1	53.3
15-Feb-09	04:22:00	55.7	57.6	53.2
15-Feb-09	04:27:00	55.4	57.9	53.1
15-Feb-09	04:32:00	55.8	58.5	53.1
15-Feb-09	04:37:00	56.0	58.7	53.2
15-Feb-09	04:42:00	55.6	57.8	53.3
15-Feb-09	04:47:00	57.1	60.2	53.7
15-Feb-09	04:52:00	56.9	60.2	54.1
15-Feb-09	04:57:00	56.0	57.0	54.1
15-Feb-09	05:02:00	56.8	59.7	54.2
15-Feb-09	05:07:00	57.3	59.5	54.4
15-Feb-09	05:12:00	56.5	58.7	54.4
15-Feb-09	05:17:00	57.1	58.2	54.2
15-Feb-09	05:22:00	55.8	57.0	54.1
15-Feb-09	05:27:00	58.8	61.7	54.3
15-Feb-09	05:32:00	58.3	60.3	54.1
15-Feb-09	05:37:00	55.9	58.1	53.7
15-Feb-09	05:42:00	55.9	57.8	53.6
15-Feb-09	05:47:00	55.9	58.7	53.5
15-Feb-09	05:52:00	57.3	60.7	53.7
15-Feb-09	05:57:00	54.7	55.7	53.1
15-Feb-09	06:02:00	57.2	59.2	53.4
15-Feb-09	06:07:00	57.5	58.2	53.3
15-Feb-09	06:12:00	54.1	55.0	52.6
15-Feb-09	06:17:00	55.4	57.6	53.1
15-Feb-09	06:22:00	55.9	57.9	53.2
15-Feb-09	06:27:00	58.5	61.3	53.4
15-Feb-09	06:32:00	57.0	59.6	53.4
15-Feb-09	06:37:00	61.3	62.6	54.2
15-Feb-09	06:42:00	61.3	63.7	54.3
15-Feb-09	06:47:00	59.1	62.1	55.7
15-Feb-09	06:52:00	58.9	62.1	54.4
15-Feb-09	06:57:00	61.5	65.2	55.1
15-Feb-09	23:02:00	59.6	62.8	54.7
15-Feb-09	23:07:00	61.1	64.6	55.6
15-Feb-09	23:12:00	60.8	63.1	55.1
15-Feb-09	23:17:00	59.5	61.9	55.5
15-Feb-09	23:22:00	59.4	61.9	54.5
15-Feb-09	23:27:00	61.0	64.2	55.3
15-Feb-09	23:32:00	60.5	63.2	55.1
15-Feb-09	23:37:00	59.7	61.6	54.7
15-Feb-09	23:42:00	60.5	63.4	55.5
15-Feb-09	23:47:00	61.7	67.1	55.1
15-Feb-09	23:52:00	59.4	63.0	54.9
15-Feb-09	23:57:00	57.7	59.6	54.1
	Mean	58.0	60.7	54.1
	Maximum	64.4	67.1	56.2
	Minimum	54.1	55.0	52.6

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Feb-09	00:02:00	61.9	61.8	54.1
16-Feb-09	00:07:00	59.5	63.0	53.7
16-Feb-09	00:12:00	58.4	60.2	55.2
16-Feb-09	00:17:00	60.7	64.5	54.5
16-Feb-09	00:22:00	55.9	58.3	53.4
16-Feb-09	00:27:00	57.3	58.4	53.5
16-Feb-09	00:32:00	57.9	60.8	54.2
16-Feb-09	00:37:00	57.1	59.1	53.4
16-Feb-09	00:42:00	55.2	56.8	53.1
16-Feb-09	00:47:00	56.9	59.7	53.2
16-Feb-09	00:52:00	55.3	56.1	53.1
16-Feb-09	00:57:00	54.0	55.0	52.5
16-Feb-09	01:02:00	54.2	55.9	52.4
16-Feb-09	01:07:00	56.1	58.9	52.5
16-Feb-09	01:12:00	55.8	58.2	53.1
16-Feb-09	01:17:00	56.9	58.6	53.1
16-Feb-09	01:22:00	54.4	55.5	52.4
16-Feb-09	01:27:00	55.9	57.3	52.6
16-Feb-09	01:32:00	53.3	54.1	52.3
16-Feb-09	01:37:00	54.7	56.8	52.5
16-Feb-09	01:42:00	54.2	55.9	52.3
16-Feb-09	01:47:00	54.2	55.2	52.3
16-Feb-09	01:52:00	53.5	54.4	52.2
16-Feb-09	01:57:00	54.5	56.3	52.3
16-Feb-09	02:02:00	56.2	57.3	52.6
16-Feb-09	02:07:00	59.3	62.9	53.8
16-Feb-09	02:12:00	54.2	55.5	52.3
16-Feb-09	02:17:00	55.2	57.7	52.5
16-Feb-09	02:22:00	54.1	55.2	52.3
16-Feb-09	02:27:00	53.7	54.7	52.2
16-Feb-09	02:32:00	54.0	55.8	52.3
16-Feb-09	02:37:00	54.1	55.3	52.3
16-Feb-09	02:42:00	53.8	54.7	52.2
16-Feb-09	02:47:00	55.3	55.9	52.3
16-Feb-09	02:52:00	53.6	54.4	52.3
16-Feb-09	02:57:00	53.4	54.3	52.2
16-Feb-09	03:02:00	53.9	55.0	52.2
16-Feb-09	03:07:00	54.2	55.1	52.2
16-Feb-09	03:12:00	53.2	54.0	52.2
16-Feb-09	03:17:00	53.5	54.0	52.1
16-Feb-09	03:22:00	54.0	55.2	52.2
16-Feb-09	03:27:00	53.9	55.2	52.2
16-Feb-09	03:32:00	53.4	54.0	52.2
16-Feb-09	03:37:00	53.3	54.3	52.2
16-Feb-09	03:42:00	53.4	54.8	52.2
16-Feb-09	03:47:00	55.6	58.3	52.5
16-Feb-09	03:52:00	54.7	55.5	53.2
16-Feb-09	03:57:00	54.3	55.0	53.2
16-Feb-09	04:02:00	54.7	56.0	53.3
16-Feb-09	04:07:00	54.8	55.9	53.3
16-Feb-09	04:12:00	54.1	54.9	53.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
16-Feb-09	04:17:00	55.8	56.0	53.7
16-Feb-09	04:22:00	55.2	56.3	53.5
16-Feb-09	04:27:00	54.0	54.9	53.1
16-Feb-09	04:32:00	53.9	54.9	53.1
16-Feb-09	04:37:00	54.8	56.6	53.1
16-Feb-09	04:42:00	53.6	54.6	52.4
16-Feb-09	04:47:00	55.3	56.5	52.5
16-Feb-09	04:52:00	53.6	54.4	52.3
16-Feb-09	04:57:00	55.1	56.2	52.3
16-Feb-09	05:02:00	55.1	56.3	52.5
16-Feb-09	05:07:00	53.3	53.9	52.2
16-Feb-09	05:12:00	53.9	54.9	52.2
16-Feb-09	05:17:00	54.3	55.6	52.2
16-Feb-09	05:22:00	55.1	56.6	52.2
16-Feb-09	05:27:00	54.6	55.9	52.3
16-Feb-09	05:32:00	53.5	54.8	52.2
16-Feb-09	05:37:00	54.6	56.2	52.3
16-Feb-09	05:42:00	54.5	56.9	52.3
16-Feb-09	05:47:00	55.9	58.4	52.3
16-Feb-09	05:52:00	57.4	59.6	53.4
16-Feb-09	05:57:00	55.0	56.9	53.2
16-Feb-09	06:02:00	58.0	57.8	53.3
16-Feb-09	06:07:00	56.3	58.5	53.2
16-Feb-09	06:12:00	55.6	57.8	53.2
16-Feb-09	06:17:00	59.0	60.5	54.2
16-Feb-09	06:22:00	60.5	62.7	54.0
16-Feb-09	06:27:00	58.6	60.3	54.1
16-Feb-09	06:32:00	59.6	62.7	54.3
16-Feb-09	06:37:00	61.7	64.9	55.7
16-Feb-09	06:42:00	61.3	64.7	54.9
16-Feb-09	06:47:00	63.7	64.1	55.8
16-Feb-09	06:52:00	63.5	66.6	56.1
16-Feb-09	06:57:00	63.4	67.3	57.2
16-Feb-09	23:02:00	61.6	64.3	57.1
16-Feb-09	23:07:00	62.4	66.0	57.3
16-Feb-09	23:12:00	61.4	64.2	56.6
16-Feb-09	23:17:00	61.4	63.9	57.3
16-Feb-09	23:22:00	61.7	64.3	57.1
16-Feb-09	23:27:00	61.0	62.5	56.9
16-Feb-09	23:32:00	61.4	63.0	57.2
16-Feb-09	23:37:00	61.4	63.4	57.7
16-Feb-09	23:42:00	60.7	62.7	57.4
16-Feb-09	23:47:00	59.7	61.3	57.3
16-Feb-09	23:52:00	61.0	63.5	57.3
16-Feb-09	23:57:00	60.4	61.9	57.3
	Mean	57.7	59.8	53.9
	Maximum	63.7	67.3	57.7
	Minimum	53.2	53.9	52.1

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robnson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Feb-09	00:02:00	61.7	65.0	57.5
17-Feb-09	00:07:00	63.6	67.3	58.3
17-Feb-09	00:12:00	59.9	61.9	58.1
17-Feb-09	00:17:00	59.4	61.3	57.8
17-Feb-09	00:22:00	59.7	61.1	57.7
17-Feb-09	00:27:00	60.1	61.8	57.9
17-Feb-09	00:32:00	60.6	61.8	58.4
17-Feb-09	00:37:00	59.6	60.9	57.7
17-Feb-09	00:42:00	58.5	59.6	57.3
17-Feb-09	00:47:00	60.0	61.3	57.8
17-Feb-09	00:52:00	58.2	59.5	56.9
17-Feb-09	00:57:00	57.9	59.2	56.5
17-Feb-09	01:02:00	59.7	61.1	58.3
17-Feb-09	01:07:00	59.5	60.9	57.9
17-Feb-09	01:12:00	59.4	61.5	57.6
17-Feb-09	01:17:00	58.9	60.3	57.5
17-Feb-09	01:22:00	58.8	59.9	57.5
17-Feb-09	01:27:00	59.6	60.7	58.2
17-Feb-09	01:32:00	59.9	60.9	58.6
17-Feb-09	01:37:00	61.0	62.2	59.4
17-Feb-09	01:42:00	61.1	62.0	60.0
17-Feb-09	01:47:00	61.1	62.0	60.2
17-Feb-09	01:52:00	62.2	63.0	60.2
17-Feb-09	01:57:00	61.7	62.7	60.5
17-Feb-09	02:02:00	61.7	62.7	60.8
17-Feb-09	02:07:00	61.7	62.7	61.0
17-Feb-09	02:12:00	62.9	63.5	61.1
17-Feb-09	02:17:00	62.0	63.1	60.7
17-Feb-09	02:22:00	61.2	62.0	60.3
17-Feb-09	02:27:00	60.9	61.8	60.1
17-Feb-09	02:32:00	61.4	62.6	59.8
17-Feb-09	02:37:00	68.6	69.9	67.2
17-Feb-09	02:42:00	65.8	69.2	59.3
17-Feb-09	02:47:00	59.7	60.3	58.4
17-Feb-09	02:52:00	59.0	59.9	58.2
17-Feb-09	02:57:00	60.2	59.9	58.1
17-Feb-09	03:02:00	59.1	60.0	57.8
17-Feb-09	03:07:00	58.5	59.4	57.5
17-Feb-09	03:12:00	58.9	59.8	57.6
17-Feb-09	03:17:00	58.8	59.8	57.8
17-Feb-09	03:22:00	59.1	60.0	58.0
17-Feb-09	03:27:00	58.9	59.9	58.1
17-Feb-09	03:32:00	58.9	59.9	58.1
17-Feb-09	03:37:00	60.8	62.5	58.2
17-Feb-09	03:42:00	58.4	59.2	57.3
17-Feb-09	03:47:00	58.2	59.0	57.2
17-Feb-09	03:52:00	58.0	58.8	56.7
17-Feb-09	03:57:00	58.3	58.8	56.4
17-Feb-09	04:02:00	57.4	58.3	56.2
17-Feb-09	04:07:00	57.1	58.0	56.1
17-Feb-09	04:12:00	57.5	58.2	55.6

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
17-Feb-09	04:17:00	56.8	57.5	55.3
17-Feb-09	04:22:00	56.5	57.7	55.2
17-Feb-09	04:27:00	56.5	57.9	55.1
17-Feb-09	04:32:00	55.6	56.7	54.4
17-Feb-09	04:37:00	55.7	56.9	54.4
17-Feb-09	04:42:00	56.0	56.8	54.3
17-Feb-09	04:47:00	56.2	57.0	54.3
17-Feb-09	04:52:00	58.7	59.5	54.1
17-Feb-09	04:57:00	55.3	56.0	54.0
17-Feb-09	05:02:00	55.3	56.5	54.1
17-Feb-09	05:07:00	58.0	59.7	54.1
17-Feb-09	05:12:00	56.1	57.7	54.0
17-Feb-09	05:17:00	55.1	56.1	53.9
17-Feb-09	05:22:00	56.3	57.8	54.2
17-Feb-09	05:27:00	55.7	57.0	53.9
17-Feb-09	05:32:00	55.2	56.5	53.7
17-Feb-09	05:37:00	55.6	56.5	53.9
17-Feb-09	05:42:00	55.0	56.2	53.6
17-Feb-09	05:47:00	55.7	57.6	53.8
17-Feb-09	05:52:00	57.5	59.5	54.2
17-Feb-09	05:57:00	56.4	57.9	54.6
17-Feb-09	06:02:00	58.9	58.6	54.3
17-Feb-09	06:07:00	56.6	58.9	54.3
17-Feb-09	06:12:00	57.1	59.4	54.4
17-Feb-09	06:17:00	59.5	62.0	54.8
17-Feb-09	06:22:00	59.0	61.0	54.7
17-Feb-09	06:27:00	59.4	61.3	54.9
17-Feb-09	06:32:00	60.5	63.3	55.6
17-Feb-09	06:37:00	63.1	66.4	55.9
17-Feb-09	06:42:00	61.9	64.4	56.3
17-Feb-09	06:47:00	62.5	66.8	56.3
17-Feb-09	06:52:00	64.5	68.7	57.2
17-Feb-09	06:57:00	64.8	68.5	58.5
17-Feb-09	23:02:00	61.5	63.5	56.5
17-Feb-09	23:07:00	62.8	66.4	56.8
17-Feb-09	23:12:00	61.9	64.6	56.5
17-Feb-09	23:17:00	61.2	63.7	55.8
17-Feb-09	23:22:00	60.7	63.4	55.9
17-Feb-09	23:27:00	60.9	63.8	55.7
17-Feb-09	23:32:00	61.0	63.2	55.8
17-Feb-09	23:37:00	61.7	63.2	55.4
17-Feb-09	23:42:00	61.1	63.6	55.1
17-Feb-09	23:47:00	59.0	61.5	54.9
17-Feb-09	23:52:00	59.8	62.0	54.9
17-Feb-09	23:57:00	58.2	60.7	54.4
	Mean	60.2	62.2	57.6
	Maximum	68.6	69.9	67.2
	Minimum	55.0	56.0	53.6

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
18-Feb-09	00:02:00	58.8	61.5	55.0
18-Feb-09	00:07:00	61.2	62.9	55.2
18-Feb-09	00:12:00	57.4	59.4	55.0
18-Feb-09	00:17:00	58.0	61.0	54.7
18-Feb-09	00:22:00	60.8	64.4	54.7
18-Feb-09	00:27:00	56.9	59.2	54.3
18-Feb-09	00:32:00	59.0	61.0	54.6
18-Feb-09	00:37:00	56.4	58.7	54.2
18-Feb-09	00:42:00	57.2	59.6	54.2
18-Feb-09	00:47:00	56.5	58.8	54.2
18-Feb-09	00:52:00	56.8	59.1	54.1
18-Feb-09	00:57:00	56.3	57.4	54.1
18-Feb-09	01:02:00	57.0	59.7	54.3
18-Feb-09	01:07:00	56.1	57.9	53.8
18-Feb-09	01:12:00	55.6	57.8	53.5
18-Feb-09	01:17:00	55.4	56.7	53.4
18-Feb-09	01:22:00	55.5	57.5	53.5
18-Feb-09	01:27:00	56.2	58.1	53.4
18-Feb-09	01:32:00	55.7	57.9	53.5
18-Feb-09	01:37:00	57.0	58.7	53.5
18-Feb-09	01:42:00	55.4	56.7	53.3
18-Feb-09	01:47:00	55.2	57.0	53.3
18-Feb-09	01:52:00	55.1	56.9	53.3
18-Feb-09	01:57:00	56.1	58.0	53.8
18-Feb-09	02:02:00	56.2	58.8	53.5
18-Feb-09	02:07:00	55.2	56.7	53.4
18-Feb-09	02:12:00	55.6	57.2	53.3
18-Feb-09	02:17:00	56.8	57.8	53.3
18-Feb-09	02:22:00	55.7	57.4	53.4
18-Feb-09	02:27:00	55.3	57.0	53.3
18-Feb-09	02:32:00	55.9	57.6	53.4
18-Feb-09	02:37:00	55.1	57.1	53.2
18-Feb-09	02:42:00	55.2	56.7	53.2
18-Feb-09	02:47:00	54.4	55.5	53.2
18-Feb-09	02:52:00	57.5	59.0	53.9
18-Feb-09	02:57:00	57.5	59.4	54.1
18-Feb-09	03:02:00	55.7	56.3	53.3
18-Feb-09	03:07:00	54.7	55.6	53.2
18-Feb-09	03:12:00	56.3	57.8	53.3
18-Feb-09	03:17:00	53.5	56.1	49.4
18-Feb-09	03:22:00	52.7	54.1	49.5
18-Feb-09	03:27:00	54.9	57.8	49.8
18-Feb-09	03:32:00	51.0	53.0	48.8
18-Feb-09	03:37:00	55.1	56.3	49.4
18-Feb-09	03:42:00	52.2	55.2	48.9
18-Feb-09	03:47:00	51.9	54.0	48.9
18-Feb-09	03:52:00	54.3	57.8	49.5
18-Feb-09	03:57:00	53.8	54.6	48.8
18-Feb-09	04:02:00	51.0	52.7	48.7
18-Feb-09	04:07:00	51.9	53.4	48.8
18-Feb-09	04:12:00	51.8	53.1	49.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
18-Feb-09	04:17:00	53.1	54.6	48.9
18-Feb-09	04:22:00	53.3	55.7	49.3
18-Feb-09	04:27:00	51.3	53.2	48.7
18-Feb-09	04:32:00	51.4	53.5	49.1
18-Feb-09	04:37:00	54.8	56.3	49.5
18-Feb-09	04:42:00	50.3	51.7	48.9
18-Feb-09	04:47:00	52.2	54.1	49.1
18-Feb-09	04:52:00	50.3	51.1	48.6
18-Feb-09	04:57:00	54.1	56.5	48.8
18-Feb-09	05:02:00	51.9	53.7	49.2
18-Feb-09	05:07:00	51.8	53.4	49.2
18-Feb-09	05:12:00	50.7	50.9	48.6
18-Feb-09	05:17:00	53.0	55.3	49.0
18-Feb-09	05:22:00	52.5	53.3	48.7
18-Feb-09	05:27:00	54.6	55.6	48.8
18-Feb-09	05:32:00	53.3	55.4	49.5
18-Feb-09	05:37:00	52.9	53.6	49.6
18-Feb-09	05:42:00	52.9	55.2	50.5
18-Feb-09	05:47:00	53.5	56.8	50.5
18-Feb-09	05:52:00	56.9	57.8	50.6
18-Feb-09	05:57:00	53.1	54.8	50.7
18-Feb-09	06:02:00	57.0	59.8	51.8
18-Feb-09	06:07:00	55.0	57.1	51.7
18-Feb-09	06:12:00	53.9	55.9	51.7
18-Feb-09	06:17:00	59.2	61.3	52.4
18-Feb-09	06:22:00	57.3	59.3	51.6
18-Feb-09	06:27:00	56.6	59.7	52.2
18-Feb-09	06:32:00	61.2	63.6	52.6
18-Feb-09	06:37:00	58.0	60.7	52.0
18-Feb-09	06:42:00	61.0	64.6	54.7
18-Feb-09	06:47:00	63.9	66.7	53.9
18-Feb-09	06:52:00	62.1	63.4	53.8
18-Feb-09	06:57:00	61.8	65.4	55.8
18-Feb-09	23:02:00	63.4	66.7	57.2
18-Feb-09	23:07:00	61.2	63.9	55.8
18-Feb-09	23:12:00	62.0	65.4	56.2
18-Feb-09	23:17:00	62.6	65.4	56.1
18-Feb-09	23:22:00	60.9	64.1	55.3
18-Feb-09	23:27:00	60.2	62.8	55.8
18-Feb-09	23:32:00	62.4	64.7	55.9
18-Feb-09	23:37:00	62.9	64.3	56.4
18-Feb-09	23:42:00	61.1	63.5	55.8
18-Feb-09	23:47:00	61.2	63.4	56.1
18-Feb-09	23:52:00	60.1	62.6	55.7
18-Feb-09	23:57:00	63.5	64.3	55.4
	Mean	57.7	59.9	53.1
	Maximum	63.9	66.7	57.2
	Minimum	50.3	50.9	48.6

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robnson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-Feb-09	00:02:00	60.0	62.1	55.3
19-Feb-09	00:07:00	62.2	65.6	55.5
19-Feb-09	00:12:00	59.2	61.6	54.6
19-Feb-09	00:17:00	59.4	61.2	53.9
19-Feb-09	00:22:00	60.8	63.0	54.7
19-Feb-09	00:27:00	57.5	60.5	54.4
19-Feb-09	00:32:00	60.2	61.0	55.4
19-Feb-09	00:37:00	57.3	60.1	54.6
19-Feb-09	00:42:00	60.0	62.9	55.2
19-Feb-09	00:47:00	57.3	60.2	54.5
19-Feb-09	00:52:00	55.9	57.9	53.8
19-Feb-09	00:57:00	57.5	60.2	53.8
19-Feb-09	01:02:00	56.5	59.7	53.6
19-Feb-09	01:07:00	58.0	61.6	53.8
19-Feb-09	01:12:00	56.4	59.1	53.6
19-Feb-09	01:17:00	56.7	59.8	53.7
19-Feb-09	01:22:00	58.0	60.1	53.8
19-Feb-09	01:27:00	56.5	59.2	53.6
19-Feb-09	01:32:00	56.0	58.1	53.5
19-Feb-09	01:37:00	57.9	61.4	53.7
19-Feb-09	01:42:00	56.6	59.1	53.9
19-Feb-09	01:47:00	56.1	58.3	53.6
19-Feb-09	01:52:00	57.0	60.2	53.5
19-Feb-09	01:57:00	55.3	57.7	53.3
19-Feb-09	02:02:00	55.5	57.6	53.3
19-Feb-09	02:07:00	59.0	59.3	53.6
19-Feb-09	02:12:00	56.0	57.7	53.5
19-Feb-09	02:17:00	55.8	57.6	53.3
19-Feb-09	02:22:00	55.6	57.6	53.5
19-Feb-09	02:27:00	55.4	57.9	52.9
19-Feb-09	02:32:00	55.6	57.5	53.0
19-Feb-09	02:37:00	57.4	60.5	53.6
19-Feb-09	02:42:00	56.8	59.8	53.4
19-Feb-09	02:47:00	55.4	58.2	52.9
19-Feb-09	02:52:00	55.0	56.0	52.7
19-Feb-09	02:57:00	59.6	62.1	53.8
19-Feb-09	03:02:00	56.3	58.3	53.4
19-Feb-09	03:07:00	54.7	56.2	52.8
19-Feb-09	03:12:00	54.3	55.2	52.7
19-Feb-09	03:17:00	55.4	57.6	53.0
19-Feb-09	03:22:00	54.0	55.1	52.7
19-Feb-09	03:27:00	54.6	56.4	52.7
19-Feb-09	03:32:00	55.7	57.4	52.7
19-Feb-09	03:37:00	55.3	56.9	52.7
19-Feb-09	03:42:00	55.0	57.1	53.1
19-Feb-09	03:47:00	54.6	56.0	52.6
19-Feb-09	03:52:00	60.7	56.9	52.7
19-Feb-09	03:57:00	55.7	58.1	52.8
19-Feb-09	04:02:00	56.4	59.2	53.0
19-Feb-09	04:07:00	57.6	58.2	52.9
19-Feb-09	04:12:00	54.7	56.1	52.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-Feb-09	04:17:00	54.5	56.1	52.6
19-Feb-09	04:22:00	54.8	56.3	52.8
19-Feb-09	04:27:00	55.8	57.5	53.2
19-Feb-09	04:32:00	54.3	55.2	52.7
19-Feb-09	04:37:00	54.2	55.3	52.7
19-Feb-09	04:42:00	55.1	56.6	52.8
19-Feb-09	04:47:00	55.2	58.0	52.8
19-Feb-09	04:52:00	54.2	54.6	52.5
19-Feb-09	04:57:00	55.4	56.8	52.7
19-Feb-09	05:02:00	53.9	55.0	52.6
19-Feb-09	05:07:00	54.7	55.8	52.6
19-Feb-09	05:12:00	54.5	56.0	52.9
19-Feb-09	05:17:00	54.9	56.0	52.8
19-Feb-09	05:22:00	53.8	54.3	52.6
19-Feb-09	05:27:00	54.8	55.7	52.6
19-Feb-09	05:32:00	55.7	57.5	52.7
19-Feb-09	05:37:00	55.7	56.1	52.7
19-Feb-09	05:42:00	54.9	55.3	52.8
19-Feb-09	05:47:00	54.9	56.2	53.0
19-Feb-09	05:52:00	55.6	57.2	53.7
19-Feb-09	05:57:00	56.1	57.7	53.8
19-Feb-09	06:02:00	59.2	61.2	54.6
19-Feb-09	06:07:00	56.4	58.7	54.2
19-Feb-09	06:12:00	60.7	64.9	54.4
19-Feb-09	06:17:00	57.4	60.3	53.9
19-Feb-09	06:22:00	57.4	60.0	54.1
19-Feb-09	06:27:00	59.9	62.0	54.6
19-Feb-09	06:32:00	60.4	63.8	54.7
19-Feb-09	06:37:00	59.1	61.6	54.6
19-Feb-09	06:42:00	60.1	62.7	55.4
19-Feb-09	06:47:00	61.4	64.3	55.5
19-Feb-09	06:52:00	62.4	66.1	55.5
19-Feb-09	06:57:00	62.7	66.8	56.7
19-Feb-09	23:02:00	61.8	64.9	56.7
19-Feb-09	23:07:00	61.3	63.7	56.4
19-Feb-09	23:12:00	61.3	64.1	55.8
19-Feb-09	23:17:00	62.0	64.9	57.1
19-Feb-09	23:22:00	60.8	63.7	55.9
19-Feb-09	23:27:00	59.6	62.1	55.4
19-Feb-09	23:32:00	61.4	64.8	55.5
19-Feb-09	23:37:00	60.3	63.0	55.7
19-Feb-09	23:42:00	59.3	61.5	56.0
19-Feb-09	23:47:00	61.5	64.5	56.2
19-Feb-09	23:52:00	60.5	64.2	55.3
19-Feb-09	23:57:00	61.1	63.8	55.6
	Mean	58.1	60.6	54.0
	Maximum	62.7	66.8	57.1
	Minimum	53.8	54.3	52.5

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-Feb-09	00:02:00	60.1	63.3	54.9
20-Feb-09	00:07:00	59.7	62.5	55.3
20-Feb-09	00:12:00	60.3	62.5	55.5
20-Feb-09	00:17:00	60.6	62.6	57.6
20-Feb-09	00:22:00	60.7	62.3	59.2
20-Feb-09	00:27:00	60.9	62.6	59.2
20-Feb-09	00:32:00	60.8	62.6	59.3
20-Feb-09	00:37:00	62.2	64.0	59.4
20-Feb-09	00:42:00	61.0	62.8	59.3
20-Feb-09	00:47:00	62.9	62.4	59.2
20-Feb-09	00:52:00	60.6	62.0	59.1
20-Feb-09	00:57:00	60.1	61.1	58.8
20-Feb-09	01:02:00	60.4	62.1	59.0
20-Feb-09	01:07:00	60.4	61.9	58.7
20-Feb-09	01:12:00	60.7	62.3	59.2
20-Feb-09	01:17:00	59.8	60.8	58.6
20-Feb-09	01:22:00	60.2	61.4	58.5
20-Feb-09	01:27:00	60.0	61.4	58.5
20-Feb-09	01:32:00	60.1	61.2	58.6
20-Feb-09	01:37:00	60.1	61.4	58.7
20-Feb-09	01:42:00	59.8	60.9	58.5
20-Feb-09	01:47:00	60.0	61.2	58.6
20-Feb-09	01:52:00	59.9	61.1	58.5
20-Feb-09	01:57:00	60.3	61.9	58.5
20-Feb-09	02:02:00	59.8	61.1	58.4
20-Feb-09	02:07:00	59.5	60.4	58.5
20-Feb-09	02:12:00	60.2	61.9	58.6
20-Feb-09	02:17:00	59.8	61.1	58.4
20-Feb-09	02:22:00	60.4	62.0	58.5
20-Feb-09	02:27:00	59.6	60.8	58.4
20-Feb-09	02:32:00	59.9	61.3	58.4
20-Feb-09	02:37:00	59.8	60.7	58.4
20-Feb-09	02:42:00	59.8	61.0	58.4
20-Feb-09	02:47:00	59.7	60.9	58.4
20-Feb-09	02:52:00	59.8	60.5	58.3
20-Feb-09	02:57:00	59.5	60.6	58.3
20-Feb-09	03:02:00	59.7	60.6	58.3
20-Feb-09	03:07:00	59.6	60.8	58.3
20-Feb-09	03:12:00	59.8	61.1	58.4
20-Feb-09	03:17:00	59.4	60.4	58.3
20-Feb-09	03:22:00	60.7	61.9	58.8
20-Feb-09	03:27:00	59.7	60.6	58.3
20-Feb-09	03:32:00	59.6	60.7	58.3
20-Feb-09	03:37:00	59.7	60.8	58.3
20-Feb-09	03:42:00	59.9	61.2	58.4
20-Feb-09	03:47:00	59.4	60.4	58.3
20-Feb-09	03:52:00	59.8	60.9	58.3
20-Feb-09	03:57:00	59.7	61.1	58.3
20-Feb-09	04:02:00	59.4	60.3	58.3
20-Feb-09	04:07:00	59.3	60.0	58.2
20-Feb-09	04:12:00	59.6	60.7	58.3

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-Feb-09	04:17:00	59.3	60.0	58.2
20-Feb-09	04:22:00	59.4	60.2	58.2
20-Feb-09	04:27:00	59.6	60.7	58.2
20-Feb-09	04:32:00	59.5	60.4	58.3
20-Feb-09	04:37:00	59.3	60.3	58.2
20-Feb-09	04:42:00	59.2	60.0	58.2
20-Feb-09	04:47:00	59.6	60.7	58.3
20-Feb-09	04:52:00	59.1	60.0	58.2
20-Feb-09	04:57:00	59.6	60.8	58.3
20-Feb-09	05:02:00	59.4	60.4	58.2
20-Feb-09	05:07:00	59.4	60.0	58.2
20-Feb-09	05:12:00	59.3	60.4	58.2
20-Feb-09	05:17:00	59.7	60.5	58.2
20-Feb-09	05:22:00	59.5	60.3	58.2
20-Feb-09	05:27:00	59.6	60.6	58.2
20-Feb-09	05:32:00	59.7	60.8	58.2
20-Feb-09	05:37:00	59.5	60.6	58.3
20-Feb-09	05:42:00	61.2	63.0	58.4
20-Feb-09	05:47:00	59.5	60.5	58.3
20-Feb-09	05:52:00	60.9	62.0	59.2
20-Feb-09	05:57:00	61.1	62.7	59.4
20-Feb-09	06:02:00	60.0	61.0	59.0
20-Feb-09	06:07:00	61.7	64.2	59.0
20-Feb-09	06:12:00	59.8	60.9	58.6
20-Feb-09	06:17:00	60.3	61.4	58.8
20-Feb-09	06:22:00	63.6	64.8	59.3
20-Feb-09	06:27:00	62.0	63.4	59.1
20-Feb-09	06:32:00	60.9	62.2	59.1
20-Feb-09	06:37:00	63.7	66.6	59.6
20-Feb-09	06:42:00	63.4	65.9	59.2
20-Feb-09	06:47:00	63.0	65.8	59.6
20-Feb-09	06:52:00	63.9	67.2	59.7
20-Feb-09	06:57:00	63.8	67.6	60.2
20-Feb-09	23:02:00	63.2	66.5	57.3
20-Feb-09	23:07:00	60.6	63.2	55.6
20-Feb-09	23:12:00	62.0	64.5	56.7
20-Feb-09	23:17:00	63.8	67.2	56.2
20-Feb-09	23:22:00	61.3	64.0	56.5
20-Feb-09	23:27:00	60.6	62.7	55.1
20-Feb-09	23:32:00	61.1	63.3	55.9
20-Feb-09	23:37:00	61.3	63.6	56.3
20-Feb-09	23:42:00	61.3	63.4	55.8
20-Feb-09	23:47:00	61.7	63.8	55.9
20-Feb-09	23:52:00	59.8	62.5	55.7
20-Feb-09	23:57:00	60.7	62.0	54.9
	Mean	60.6	62.4	58.3
	Maximum	63.9	67.6	60.2
	Minimum	59.1	60.0	54.9



## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-Feb-09	00:02:00	61.7	64.7	55.7
21-Feb-09	00:07:00	61.1	64.4	55.2
21-Feb-09	00:12:00	61.4	64.7	54.6
21-Feb-09	00:17:00	60.7	63.0	55.2
21-Feb-09	00:22:00	59.3	62.6	54.5
21-Feb-09	00:27:00	58.9	61.4	55.1
21-Feb-09	00:32:00	58.0	60.2	54.7
21-Feb-09	00:37:00	58.3	60.8	54.1
21-Feb-09	00:42:00	57.8	60.9	54.0
21-Feb-09	00:47:00	57.5	60.5	54.2
21-Feb-09	00:52:00	57.3	60.6	53.8
21-Feb-09	00:57:00	58.4	61.2	54.2
21-Feb-09	01:02:00	57.8	60.7	54.4
21-Feb-09	01:07:00	57.6	60.8	54.2
21-Feb-09	01:12:00	57.3	60.2	54.2
21-Feb-09	01:17:00	57.4	60.1	54.4
21-Feb-09	01:22:00	57.6	60.6	54.3
21-Feb-09	01:27:00	57.0	59.9	54.0
21-Feb-09	01:32:00	58.1	61.1	54.4
21-Feb-09	01:37:00	57.9	60.6	54.4
21-Feb-09	01:42:00	58.6	60.9	54.3
21-Feb-09	01:47:00	65.6	63.6	54.5
21-Feb-09	01:52:00	58.4	61.0	55.1
21-Feb-09	01:57:00	59.3	61.0	54.7
21-Feb-09	02:02:00	57.8	59.4	55.1
21-Feb-09	02:07:00	59.1	61.7	56.1
21-Feb-09	02:12:00	59.4	61.5	57.2
21-Feb-09	02:17:00	60.1	61.9	58.4
21-Feb-09	02:22:00	60.9	62.0	59.6
21-Feb-09	02:27:00	61.6	62.9	60.2
21-Feb-09	02:32:00	61.6	63.2	60.1
21-Feb-09	02:37:00	61.0	62.4	59.7
21-Feb-09	02:42:00	61.3	62.9	59.5
21-Feb-09	02:47:00	61.3	62.9	59.3
21-Feb-09	02:52:00	62.6	64.9	59.3
21-Feb-09	02:57:00	60.4	61.9	59.1
21-Feb-09	03:02:00	60.9	63.0	59.2
21-Feb-09	03:07:00	60.4	62.2	59.1
21-Feb-09	03:12:00	60.5	61.9	59.0
21-Feb-09	03:17:00	60.5	62.5	58.7
21-Feb-09	03:22:00	60.3	61.7	58.4
21-Feb-09	03:27:00	59.7	61.0	58.3
21-Feb-09	03:32:00	59.8	61.9	58.2
21-Feb-09	03:37:00	60.1	62.1	58.1
21-Feb-09	03:42:00	59.0	60.3	57.7
21-Feb-09	03:47:00	60.6	62.5	58.3
21-Feb-09	03:52:00	59.0	60.6	57.5
21-Feb-09	03:57:00	59.2	61.1	57.5
21-Feb-09	04:02:00	59.3	60.9	57.5
21-Feb-09	04:07:00	59.0	60.3	57.5
21-Feb-09	04:12:00	59.2	61.0	57.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-Feb-09	04:17:00	59.2	61.1	57.6
21-Feb-09	04:22:00	58.8	60.0	57.4
21-Feb-09	04:27:00	59.1	60.8	57.2
21-Feb-09	04:32:00	58.8	60.8	57.2
21-Feb-09	04:37:00	58.4	59.8	57.1
21-Feb-09	04:42:00	58.6	60.7	56.9
21-Feb-09	04:47:00	58.9	60.7	56.6
21-Feb-09	04:52:00	58.0	59.7	56.3
21-Feb-09	04:57:00	57.7	59.4	56.2
21-Feb-09	05:02:00	58.2	60.1	56.0
21-Feb-09	05:07:00	57.2	58.8	55.4
21-Feb-09	05:12:00	57.5	59.4	55.5
21-Feb-09	05:17:00	58.6	61.3	55.7
21-Feb-09	05:22:00	57.2	58.9	55.3
21-Feb-09	05:27:00	56.4	57.7	55.2
21-Feb-09	05:32:00	57.2	59.2	55.2
21-Feb-09	05:37:00	57.6	60.2	55.1
21-Feb-09	05:42:00	57.5	59.9	55.3
21-Feb-09	05:47:00	60.7	62.6	55.8
21-Feb-09	05:52:00	57.7	59.2	56.0
21-Feb-09	05:57:00	57.7	59.4	56.1
21-Feb-09	06:02:00	60.0	62.3	56.2
21-Feb-09	06:07:00	60.3	62.0	56.1
21-Feb-09	06:12:00	57.4	59.0	55.4
21-Feb-09	06:17:00	58.8	60.3	55.4
21-Feb-09	06:22:00	60.6	62.3	56.2
21-Feb-09	06:27:00	60.7	62.9	55.4
21-Feb-09	06:32:00	59.8	61.8	55.5
21-Feb-09	06:37:00	61.6	64.8	56.6
21-Feb-09	06:42:00	59.5	62.0	55.7
21-Feb-09	06:47:00	62.7	66.3	56.7
21-Feb-09	06:52:00	62.4	65.0	56.4
21-Feb-09	06:57:00	62.2	65.4	56.5
21-Feb-09	23:02:00	61.9	65.3	56.8
21-Feb-09	23:07:00	61.4	64.5	55.9
21-Feb-09	23:12:00	61.0	63.8	55.3
21-Feb-09	23:17:00	60.9	62.8	54.9
21-Feb-09	23:22:00	60.4	63.6	55.5
21-Feb-09	23:27:00	61.7	64.6	55.4
21-Feb-09	23:32:00	59.3	61.8	55.2
21-Feb-09	23:37:00	60.6	63.7	54.4
21-Feb-09	23:42:00	59.2	62.3	54.3
21-Feb-09	23:47:00	60.7	63.3	53.3
21-Feb-09	23:52:00	58.4	61.3	53.6
21-Feb-09	23:57:00	59.3	61.5	53.3
	Mean	59.8	62.0	56.6
	Maximum	65.6	66.3	60.2
	Minimum	56.4	57.7	53.3

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-Feb-09	00:02:00	61.0	64.6	55.6
22-Feb-09	00:07:00	59.3	62.8	53.1
22-Feb-09	00:12:00	57.8	61.1	52.7
22-Feb-09	00:17:00	60.1	63.5	53.1
22-Feb-09	00:22:00	59.0	61.9	52.9
22-Feb-09	00:27:00	58.2	61.3	52.0
22-Feb-09	00:32:00	58.9	61.4	51.8
22-Feb-09	00:37:00	58.7	60.4	52.9
22-Feb-09	00:42:00	58.4	60.7	52.3
22-Feb-09	00:47:00	55.5	59.2	51.6
22-Feb-09	00:52:00	56.7	60.2	51.5
22-Feb-09	00:57:00	55.8	60.3	50.8
22-Feb-09	01:02:00	56.7	60.8	51.6
22-Feb-09	01:07:00	56.6	60.2	51.8
22-Feb-09	01:12:00	56.3	59.1	51.4
22-Feb-09	01:17:00	56.1	60.1	50.8
22-Feb-09	01:22:00	55.4	59.5	50.6
22-Feb-09	01:27:00	56.3	59.9	50.4
22-Feb-09	01:32:00	56.1	60.1	50.4
22-Feb-09	01:37:00	55.9	59.2	51.1
22-Feb-09	01:42:00	56.3	60.0	51.1
22-Feb-09	01:47:00	56.3	60.0	51.1
22-Feb-09	01:52:00	56.0	59.7	50.8
22-Feb-09	01:57:00	54.9	58.8	50.2
22-Feb-09	02:02:00	54.2	57.6	50.0
22-Feb-09	02:07:00	55.2	59.2	49.6
22-Feb-09	02:12:00	59.0	61.7	50.6
22-Feb-09	02:17:00	54.8	59.2	49.6
22-Feb-09	02:22:00	55.4	59.5	49.7
22-Feb-09	02:27:00	55.1	57.9	50.0
22-Feb-09	02:32:00	55.4	59.3	50.4
22-Feb-09	02:37:00	54.1	56.9	49.3
22-Feb-09	02:42:00	53.7	56.0	49.6
22-Feb-09	02:47:00	54.6	58.5	49.5
22-Feb-09	02:52:00	55.7	59.2	49.6
22-Feb-09	02:57:00	56.0	59.8	49.4
22-Feb-09	03:02:00	55.7	60.2	50.1
22-Feb-09	03:07:00	56.4	59.8	49.6
22-Feb-09	03:12:00	55.4	59.3	50.2
22-Feb-09	03:17:00	53.9	57.5	49.6
22-Feb-09	03:22:00	58.1	61.1	49.9
22-Feb-09	03:27:00	55.1	59.5	49.8
22-Feb-09	03:32:00	55.9	60.1	49.2
22-Feb-09	03:37:00	55.9	60.3	49.8
22-Feb-09	03:42:00	55.1	58.3	49.2
22-Feb-09	03:47:00	54.5	58.1	49.3
22-Feb-09	03:52:00	56.0	60.0	49.3
22-Feb-09	03:57:00	53.8	57.7	49.0
22-Feb-09	04:02:00	54.1	57.5	49.3
22-Feb-09	04:07:00	53.9	58.1	49.2
22-Feb-09	04:12:00	56.8	59.9	49.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-Feb-09	04:17:00	54.4	57.7	49.3
22-Feb-09	04:22:00	55.6	56.8	49.3
22-Feb-09	04:27:00	54.5	57.0	49.8
22-Feb-09	04:32:00	55.3	59.2	49.4
22-Feb-09	04:37:00	53.4	56.6	49.1
22-Feb-09	04:42:00	54.7	59.6	49.2
22-Feb-09	04:47:00	54.8	58.9	48.6
22-Feb-09	04:52:00	54.5	58.8	49.4
22-Feb-09	04:57:00	53.8	57.5	49.0
22-Feb-09	05:02:00	56.1	58.3	53.8
22-Feb-09	05:07:00	56.3	58.3	54.1
22-Feb-09	05:12:00	54.8	57.1	48.9
22-Feb-09	05:17:00	54.1	56.4	49.0
22-Feb-09	05:22:00	53.6	58.3	49.2
22-Feb-09	05:27:00	53.4	56.8	48.9
22-Feb-09	05:32:00	55.0	58.8	48.7
22-Feb-09	05:37:00	53.1	57.1	48.7
22-Feb-09	05:42:00	53.3	56.1	48.8
22-Feb-09	05:47:00	51.7	54.4	48.6
22-Feb-09	05:52:00	55.3	57.7	49.1
22-Feb-09	05:57:00	53.5	56.8	49.1
22-Feb-09	06:02:00	53.8	56.1	49.1
22-Feb-09	06:07:00	57.8	59.6	49.2
22-Feb-09	06:12:00	56.2	59.3	50.1
22-Feb-09	06:17:00	54.9	56.7	49.2
22-Feb-09	06:22:00	54.8	57.3	49.6
22-Feb-09	06:27:00	58.6	60.0	48.9
22-Feb-09	06:32:00	54.6	57.5	49.3
22-Feb-09	06:37:00	56.3	59.7	49.5
22-Feb-09	06:42:00	59.6	62.3	51.6
22-Feb-09	06:47:00	59.7	63.0	52.3
22-Feb-09	06:52:00	58.1	61.2	52.4
22-Feb-09	06:57:00	61.2	63.1	52.8
22-Feb-09	23:02:00	57.7	61.1	51.9
22-Feb-09	23:07:00	60.1	63.4	53.8
22-Feb-09	23:12:00	61.1	64.5	53.6
22-Feb-09	23:17:00	58.7	62.0	53.2
22-Feb-09	23:22:00	59.1	62.8	52.3
22-Feb-09	23:27:00	60.8	63.7	52.5
22-Feb-09	23:32:00	58.7	61.2	51.8
22-Feb-09	23:37:00	60.0	62.9	52.9
22-Feb-09	23:42:00	60.5	62.7	51.9
22-Feb-09	23:47:00	58.1	60.6	51.0
22-Feb-09	23:52:00	59.0	62.0	51.3
22-Feb-09	23:57:00	59.4	62.5	50.5
	Mean	56.9	60.1	50.9
	Maximum	61.2	64.6	55.6
	Minimum	51.7	54.4	48.6

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-Feb-09	00:02:00	57.1	59.6	52.2
23-Feb-09	00:07:00	56.0	59.1	50.4
23-Feb-09	00:12:00	58.2	61.7	51.4
23-Feb-09	00:17:00	56.3	59.4	50.8
23-Feb-09	00:22:00	58.2	61.5	50.5
23-Feb-09	00:27:00	53.3	56.7	49.3
23-Feb-09	00:32:00	55.7	58.5	50.0
23-Feb-09	00:37:00	55.4	59.1	49.3
23-Feb-09	00:42:00	55.9	59.5	50.1
23-Feb-09	00:47:00	53.3	56.9	49.3
23-Feb-09	00:52:00	52.5	55.1	49.4
23-Feb-09	00:57:00	56.2	57.8	49.1
23-Feb-09	01:02:00	54.7	57.1	49.2
23-Feb-09	01:07:00	54.8	57.7	49.1
23-Feb-09	01:12:00	53.6	56.4	49.4
23-Feb-09	01:17:00	54.5	58.1	49.3
23-Feb-09	01:22:00	52.0	55.1	48.6
23-Feb-09	01:27:00	53.0	56.1	49.0
23-Feb-09	01:32:00	52.8	55.7	48.6
23-Feb-09	01:37:00	56.4	56.9	48.7
23-Feb-09	01:42:00	51.9	54.5	48.7
23-Feb-09	01:47:00	51.7	53.1	48.7
23-Feb-09	01:52:00	54.2	55.8	48.9
23-Feb-09	01:57:00	53.4	56.7	48.7
23-Feb-09	02:02:00	50.7	51.4	48.3
23-Feb-09	02:07:00	54.3	56.8	49.1
23-Feb-09	02:12:00	58.3	61.2	49.2
23-Feb-09	02:17:00	51.6	54.2	48.4
23-Feb-09	02:22:00	53.0	55.6	49.0
23-Feb-09	02:27:00	50.6	51.9	48.2
23-Feb-09	02:32:00	52.0	55.2	48.2
23-Feb-09	02:37:00	50.8	52.7	48.2
23-Feb-09	02:42:00	51.0	52.7	48.2
23-Feb-09	02:47:00	52.8	54.6	48.2
23-Feb-09	02:52:00	50.8	50.9	48.2
23-Feb-09	02:57:00	51.8	50.9	47.9
23-Feb-09	03:02:00	51.9	54.0	48.2
23-Feb-09	03:07:00	50.5	51.8	48.2
23-Feb-09	03:12:00	51.7	51.3	48.1
23-Feb-09	03:17:00	51.7	53.1	48.2
23-Feb-09	03:22:00	49.7	50.9	48.2
23-Feb-09	03:27:00	50.2	51.3	48.2
23-Feb-09	03:32:00	50.0	50.7	48.2
23-Feb-09	03:37:00	51.1	52.9	48.2
23-Feb-09	03:42:00	50.8	53.5	48.2
23-Feb-09	03:47:00	49.9	51.4	48.1
23-Feb-09	03:52:00	49.2	50.1	48.2
23-Feb-09	03:57:00	51.8	55.0	48.3
23-Feb-09	04:02:00	51.0	51.3	48.1
23-Feb-09	04:07:00	49.9	51.2	48.1
23-Feb-09	04:12:00	51.8	54.9	48.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-Feb-09	04:17:00	51.1	52.5	48.2
23-Feb-09	04:22:00	50.7	51.9	48.3
23-Feb-09	04:27:00	49.2	50.2	48.2
23-Feb-09	04:32:00	51.6	53.7	48.3
23-Feb-09	04:37:00	52.5	54.1	48.2
23-Feb-09	04:42:00	51.1	51.7	48.2
23-Feb-09	04:47:00	52.0	51.6	48.2
23-Feb-09	04:52:00	49.6	51.7	47.9
23-Feb-09	04:57:00	50.1	51.1	48.2
23-Feb-09	05:02:00	50.9	52.7	48.3
23-Feb-09	05:07:00	50.8	51.8	48.2
23-Feb-09	05:12:00	49.9	50.7	48.1
23-Feb-09	05:17:00	50.6	52.8	48.1
23-Feb-09	05:22:00	53.0	54.6	48.3
23-Feb-09	05:27:00	53.7	56.9	48.5
23-Feb-09	05:32:00	49.7	51.3	48.1
23-Feb-09	05:37:00	51.3	52.3	48.3
23-Feb-09	05:42:00	52.1	54.5	48.3
23-Feb-09	05:47:00	52.6	53.8	49.3
23-Feb-09	05:52:00	53.5	55.6	50.1
23-Feb-09	05:57:00	63.0	63.2	50.9
23-Feb-09	06:02:00	54.8	58.1	50.3
23-Feb-09	06:07:00	58.7	60.9	51.2
23-Feb-09	06:12:00	55.0	58.2	50.5
23-Feb-09	06:17:00	53.9	57.5	50.3
23-Feb-09	06:22:00	58.8	62.2	51.6
23-Feb-09	06:27:00	59.5	61.9	51.1
23-Feb-09	06:32:00	58.1	60.9	51.7
23-Feb-09	06:37:00	61.5	62.8	52.6
23-Feb-09	06:42:00	59.9	64.1	53.3
23-Feb-09	06:47:00	64.6	66.4	54.9
23-Feb-09	06:52:00	62.4	66.3	54.7
23-Feb-09	06:57:00	62.0	66.2	55.5
23-Feb-09	23:02:00	59.8	62.6	53.5
23-Feb-09	23:07:00	60.7	64.3	53.6
23-Feb-09	23:12:00	62.0	64.6	54.4
23-Feb-09	23:17:00	60.9	63.0	53.6
23-Feb-09	23:22:00	60.8	64.3	54.0
23-Feb-09	23:27:00	60.7	63.5	53.5
23-Feb-09	23:32:00	60.1	62.2	53.6
23-Feb-09	23:37:00	60.2	63.1	53.4
23-Feb-09	23:42:00	62.7	62.5	52.1
23-Feb-09	23:47:00	59.9	61.6	51.2
23-Feb-09	23:52:00	59.5	62.7	52.4
23-Feb-09	23:57:00	59.1	61.8	53.1
	Mean	56.5	59.1	50.3
	Maximum	64.6	66.4	55.5
	Minimum	49.2	50.1	47.9

## Appendix B4

### Night Time Noise Level at Blk A, 80 Robinson Road (NC18)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-Feb-09	00:02:00	60.0	61.6	57.6
24-Feb-09	00:07:00	61.3	63.9	57.6
24-Feb-09	00:12:00	60.7	62.2	57.6
24-Feb-09	00:17:00	62.0	65.4	57.8
24-Feb-09	00:22:00	64.0	67.7	58.6
24-Feb-09	00:27:00	60.2	62.2	58.4
24-Feb-09	00:32:00	59.7	61.6	58.1
24-Feb-09	00:37:00	60.0	61.4	58.0
24-Feb-09	00:42:00	60.4	62.1	58.2
24-Feb-09	00:47:00	60.9	62.1	58.7
24-Feb-09	00:52:00	59.9	61.2	58.0
24-Feb-09	00:57:00	58.8	59.9	57.6
24-Feb-09	01:02:00	60.3	61.6	58.1
24-Feb-09	01:07:00	58.5	59.8	57.2
24-Feb-09	01:12:00	58.2	59.5	56.8
24-Feb-09	01:17:00	60.0	61.4	58.6
24-Feb-09	01:22:00	59.8	61.2	58.2
24-Feb-09	01:27:00	59.7	61.8	57.9
24-Feb-09	01:32:00	59.2	60.6	57.8
24-Feb-09	01:37:00	59.1	60.2	57.8
24-Feb-09	01:42:00	59.9	61.0	58.5
24-Feb-09	01:47:00	60.2	61.2	58.9
24-Feb-09	01:52:00	61.3	62.6	59.7
24-Feb-09	01:57:00	61.4	62.3	60.3
24-Feb-09	02:02:00	61.4	62.3	60.5
24-Feb-09	02:07:00	62.6	63.4	60.5
24-Feb-09	02:12:00	62.0	63.1	60.8
24-Feb-09	02:17:00	62.0	63.1	61.1
24-Feb-09	02:22:00	62.0	63.1	61.3
24-Feb-09	02:27:00	63.3	63.9	61.4
24-Feb-09	02:32:00	62.3	63.5	61.0
24-Feb-09	02:37:00	61.5	62.3	60.6
24-Feb-09	02:42:00	61.2	62.1	60.4
24-Feb-09	02:47:00	61.7	63.0	60.1
24-Feb-09	02:52:00	68.2	69.5	66.8
24-Feb-09	02:57:00	65.4	68.8	59.0
24-Feb-09	03:02:00	59.4	60.0	58.1
24-Feb-09	03:07:00	58.7	59.6	57.9
24-Feb-09	03:12:00	59.9	59.6	57.8
24-Feb-09	03:17:00	58.8	59.7	57.5
24-Feb-09	03:22:00	58.2	59.1	57.2
24-Feb-09	03:27:00	58.6	59.5	57.3
24-Feb-09	03:32:00	58.5	59.5	57.5
24-Feb-09	03:37:00	58.8	59.7	57.7
24-Feb-09	03:42:00	58.6	59.6	57.8
24-Feb-09	03:47:00	58.6	59.6	57.8
24-Feb-09	03:52:00	60.5	62.2	57.9
24-Feb-09	03:57:00	58.1	58.9	57.0
24-Feb-09	04:02:00	57.9	58.7	56.9
24-Feb-09	04:07:00	57.7	58.5	56.4
24-Feb-09	04:12:00	58.0	58.5	56.1

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-Feb-09	04:17:00	57.1	58.0	55.9
24-Feb-09	04:22:00	56.8	57.7	55.8
24-Feb-09	04:27:00	57.2	57.9	55.3
24-Feb-09	04:32:00	56.5	57.2	55.0
24-Feb-09	04:37:00	56.2	57.4	54.9
24-Feb-09	04:42:00	56.2	57.6	54.8
24-Feb-09	04:47:00	55.3	56.4	54.1
24-Feb-09	04:52:00	55.4	56.6	54.1
24-Feb-09	04:57:00	55.7	56.5	54.0
24-Feb-09	05:02:00	55.9	56.7	54.0
24-Feb-09	05:07:00	59.0	59.8	54.4
24-Feb-09	05:12:00	55.6	56.3	54.3
24-Feb-09	05:17:00	55.6	56.8	54.4
24-Feb-09	05:22:00	58.3	60.0	54.4
24-Feb-09	05:27:00	56.4	58.0	54.3
24-Feb-09	05:32:00	55.4	56.4	54.2
24-Feb-09	05:37:00	56.6	58.1	54.5
24-Feb-09	05:42:00	56.0	57.3	54.2
24-Feb-09	05:47:00	55.5	56.8	54.0
24-Feb-09	05:52:00	55.9	56.8	54.2
24-Feb-09	05:57:00	55.3	56.5	53.9
24-Feb-09	06:02:00	56.0	57.9	54.1
24-Feb-09	06:07:00	57.8	59.8	54.5
24-Feb-09	06:12:00	56.7	58.2	54.9
24-Feb-09	06:17:00	59.2	58.9	54.6
24-Feb-09	06:22:00	56.9	59.2	54.6
24-Feb-09	06:27:00	57.4	59.7	54.7
24-Feb-09	06:32:00	59.8	62.3	55.1
24-Feb-09	06:37:00	59.3	61.3	55.0
24-Feb-09	06:42:00	59.7	61.6	55.2
24-Feb-09	06:47:00	60.8	63.7	55.9
24-Feb-09	06:52:00	63.5	66.8	56.2
24-Feb-09	06:57:00	62.2	64.8	56.6
24-Feb-09	23:02:00	62.9	66.0	58.1
24-Feb-09	23:07:00	61.3	63.6	58.0
24-Feb-09	23:12:00	63.3	66.1	57.3
24-Feb-09	23:17:00	61.8	63.9	56.8
24-Feb-09	23:22:00	63.2	66.8	57.1
24-Feb-09	23:27:00	62.2	65.0	56.8
24-Feb-09	23:32:00	61.5	64.1	56.1
24-Feb-09	23:37:00	61.0	63.8	56.2
24-Feb-09	23:42:00	61.2	64.2	56.0
24-Feb-09	23:47:00	61.3	63.6	56.1
24-Feb-09	23:52:00	62.0	63.6	55.7
24-Feb-09	23:57:00	61.4	64.0	55.4
	Mean	60.3	62.1	57.8
	Maximum	68.2	69.5	66.8
	Minimum	55.3	56.3	53.9

Summary of Night Time Noise Level at Blk A, 80 Robinson Road (NC18)			
	Leq	L10	L90
Mean	58.7	61.0	55.2
Max	68.6	69.9	67.2
Min	49.2	50.1	47.9

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-May-09	00:02:00	53.9	55.8	50.9
19-May-09	00:07:00	54.7	57.6	51.0
19-May-09	00:12:00	62.8	65.0	51.9
19-May-09	00:17:00	56.2	57.9	50.0
19-May-09	00:22:00	53.6	56.4	49.8
19-May-09	00:27:00	54.5	57.6	48.6
19-May-09	00:32:00	54.2	57.2	49.9
19-May-09	00:37:00	54.6	57.9	49.6
19-May-09	00:42:00	52.0	54.5	48.4
19-May-09	00:47:00	51.7	54.0	48.4
19-May-09	00:52:00	51.2	53.6	48.6
19-May-09	00:57:00	51.3	52.4	48.0
19-May-09	01:02:00	53.1	56.0	48.5
19-May-09	01:07:00	50.6	52.1	48.4
19-May-09	01:12:00	52.3	54.5	48.1
19-May-09	01:17:00	52.5	54.9	49.0
19-May-09	01:22:00	50.8	53.1	48.1
19-May-09	01:27:00	50.9	52.9	47.5
19-May-09	01:32:00	50.0	51.8	47.8
19-May-09	01:37:00	51.8	54.5	47.9
19-May-09	01:42:00	50.6	51.9	47.9
19-May-09	01:47:00	50.4	51.9	48.1
19-May-09	01:52:00	50.9	52.2	48.1
19-May-09	01:57:00	50.7	52.1	47.9
19-May-09	02:02:00	53.9	55.8	48.0
19-May-09	02:07:00	49.9	51.3	47.6
19-May-09	02:12:00	48.4	49.7	47.1
19-May-09	02:17:00	49.5	51.3	47.5
19-May-09	02:22:00	50.4	52.1	47.9
19-May-09	02:27:00	50.4	52.0	48.1
19-May-09	02:32:00	50.1	51.5	47.2
19-May-09	02:37:00	51.5	54.3	48.1
19-May-09	02:42:00	52.1	55.3	48.3
19-May-09	02:47:00	49.2	50.3	47.5
19-May-09	02:52:00	49.7	51.0	47.8
19-May-09	02:57:00	50.1	51.5	48.4
19-May-09	03:02:00	49.9	51.7	47.6
19-May-09	03:07:00	51.8	55.4	48.0
19-May-09	03:12:00	55.8	56.3	47.4
19-May-09	03:17:00	50.6	52.9	47.8
19-May-09	03:22:00	50.4	52.4	47.8
19-May-09	03:27:00	50.3	51.2	48.0
19-May-09	03:32:00	49.7	52.0	47.2
19-May-09	03:37:00	50.9	53.2	47.7
19-May-09	03:42:00	51.1	52.9	47.7
19-May-09	03:47:00	51.2	53.7	48.1
19-May-09	03:52:00	49.4	51.0	47.4
19-May-09	03:57:00	49.0	50.1	47.2
19-May-09	04:02:00	49.9	51.0	47.2
19-May-09	04:07:00	48.8	49.8	47.4
19-May-09	04:12:00	50.2	51.7	47.8

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
19-May-09	04:17:00	50.0	52.2	47.2
19-May-09	04:22:00	51.0	52.6	47.8
19-May-09	04:27:00	48.5	49.5	47.1
19-May-09	04:32:00	53.3	56.5	48.8
19-May-09	04:37:00	52.9	54.0	47.9
19-May-09	04:42:00	52.3	54.7	48.4
19-May-09	04:47:00	51.9	54.5	48.9
19-May-09	04:52:00	50.7	53.0	47.9
19-May-09	04:57:00	50.9	53.0	48.0
19-May-09	05:02:00	51.5	53.0	48.2
19-May-09	05:07:00	52.4	54.8	48.8
19-May-09	05:12:00	51.4	54.3	48.2
19-May-09	05:17:00	53.7	56.5	49.0
19-May-09	05:22:00	59.1	61.8	51.7
19-May-09	05:27:00	55.6	58.6	51.1
19-May-09	05:32:00	57.0	60.3	50.9
19-May-09	05:37:00	57.5	58.4	49.3
19-May-09	05:42:00	53.9	57.4	49.2
19-May-09	05:47:00	56.2	59.5	50.0
19-May-09	05:52:00	55.7	59.2	50.0
19-May-09	05:57:00	54.1	57.1	49.9
19-May-09	06:02:00	54.6	57.9	50.3
19-May-09	06:07:00	56.4	59.9	50.6
19-May-09	06:12:00	60.0	63.9	50.8
19-May-09	06:17:00	59.8	64.1	54.4
19-May-09	06:22:00	62.9	62.7	53.2
19-May-09	06:27:00	59.4	61.9	52.7
19-May-09	06:32:00	59.3	62.5	52.9
19-May-09	06:37:00	63.4	66.1	54.3
19-May-09	06:42:00	59.8	62.7	53.5
19-May-09	06:47:00	66.1	70.3	59.2
19-May-09	06:52:00	60.1	63.4	53.8
19-May-09	06:57:00	66.7	70.7	58.4
19-May-09	23:02:00	57.4	60.0	54.3
19-May-09	23:07:00	59.4	61.8	54.8
19-May-09	23:12:00	57.4	59.0	55.2
19-May-09	23:17:00	63.1	66.4	56.1
19-May-09	23:22:00	57.8	60.4	54.4
19-May-09	23:27:00	58.6	60.8	51.7
19-May-09	23:32:00	56.5	57.7	50.3
19-May-09	23:37:00	59.2	63.1	52.6
19-May-09	23:42:00	61.6	63.2	53.5
19-May-09	23:47:00	61.9	65.2	53.0
19-May-09	23:52:00	57.5	59.8	53.3
19-May-09	23:57:00	61.3	64.9	52.5
	Mean	56.8	59.7	50.8
	Maximum	66.7	70.7	59.2
	Minimum	48.4	49.5	47.1

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-May-09	00:02:00	55.0	57.6	51.1
20-May-09	00:07:00	53.7	56.0	50.9
20-May-09	00:12:00	63.6	66.7	52.0
20-May-09	00:17:00	57.1	58.7	50.4
20-May-09	00:22:00	53.8	55.7	49.4
20-May-09	00:27:00	54.7	58.3	50.0
20-May-09	00:32:00	52.9	56.3	49.1
20-May-09	00:37:00	54.2	57.0	49.9
20-May-09	00:42:00	53.3	56.1	49.6
20-May-09	00:47:00	52.5	54.6	48.9
20-May-09	00:52:00	52.2	55.7	48.7
20-May-09	00:57:00	52.3	54.6	49.4
20-May-09	01:02:00	53.3	56.8	48.9
20-May-09	01:07:00	54.9	55.8	48.9
20-May-09	01:12:00	53.4	56.4	49.3
20-May-09	01:17:00	52.8	56.1	48.9
20-May-09	01:22:00	52.6	55.3	48.5
20-May-09	01:27:00	50.5	52.4	48.1
20-May-09	01:32:00	51.1	53.6	48.2
20-May-09	01:37:00	50.5	52.1	48.1
20-May-09	01:42:00	50.6	52.6	47.9
20-May-09	01:47:00	52.5	54.8	48.4
20-May-09	01:52:00	50.3	50.7	47.8
20-May-09	01:57:00	51.3	54.0	48.4
20-May-09	02:02:00	50.3	52.8	47.8
20-May-09	02:07:00	51.9	55.6	47.9
20-May-09	02:12:00	50.7	53.3	48.0
20-May-09	02:17:00	53.0	55.8	48.0
20-May-09	02:22:00	52.3	55.4	47.8
20-May-09	02:27:00	49.0	50.1	47.7
20-May-09	02:32:00	49.0	49.8	47.8
20-May-09	02:37:00	52.8	54.7	47.4
20-May-09	02:42:00	56.8	60.6	48.3
20-May-09	02:47:00	55.5	54.9	52.1
20-May-09	02:52:00	55.2	57.9	52.8
20-May-09	02:57:00	56.3	57.6	54.1
20-May-09	03:02:00	55.4	56.3	54.4
20-May-09	03:07:00	54.5	55.9	52.7
20-May-09	03:12:00	53.8	55.1	52.0
20-May-09	03:17:00	57.4	57.2	52.0
20-May-09	03:22:00	53.9	54.9	52.0
20-May-09	03:27:00	54.0	54.7	52.3
20-May-09	03:32:00	55.9	58.5	52.9
20-May-09	03:37:00	52.6	53.4	51.9
20-May-09	03:42:00	53.0	53.7	51.9
20-May-09	03:47:00	53.1	53.7	52.0
20-May-09	03:52:00	52.8	53.6	51.9
20-May-09	03:57:00	53.4	54.5	52.0
20-May-09	04:02:00	53.2	53.7	52.0
20-May-09	04:07:00	54.6	58.0	52.1
20-May-09	04:12:00	53.5	54.3	52.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
20-May-09	04:17:00	53.4	54.2	52.2
20-May-09	04:22:00	53.9	55.0	52.2
20-May-09	04:27:00	54.5	56.6	52.3
20-May-09	04:32:00	56.4	60.0	47.9
20-May-09	04:37:00	50.6	53.3	47.4
20-May-09	04:42:00	51.2	54.1	47.8
20-May-09	04:47:00	53.2	55.1	48.4
20-May-09	04:52:00	51.2	52.5	48.2
20-May-09	04:57:00	52.2	54.3	48.2
20-May-09	05:02:00	49.8	51.2	48.0
20-May-09	05:07:00	51.9	54.2	48.1
20-May-09	05:12:00	52.2	54.5	48.2
20-May-09	05:17:00	53.1	55.6	48.9
20-May-09	05:22:00	54.9	58.2	50.1
20-May-09	05:27:00	54.5	58.1	50.1
20-May-09	05:32:00	57.7	61.0	50.6
20-May-09	05:37:00	55.7	58.6	50.3
20-May-09	05:42:00	55.1	58.2	50.7
20-May-09	05:47:00	56.8	60.3	49.4
20-May-09	05:52:00	55.5	59.1	49.8
20-May-09	05:57:00	54.8	57.8	50.0
20-May-09	06:02:00	54.8	57.8	49.8
20-May-09	06:07:00	54.2	57.1	49.8
20-May-09	06:12:00	53.8	56.9	49.8
20-May-09	06:17:00	64.0	67.1	52.3
20-May-09	06:22:00	57.8	60.4	52.0
20-May-09	06:27:00	59.6	62.6	53.0
20-May-09	06:32:00	61.8	65.9	55.3
20-May-09	06:37:00	58.5	61.1	54.0
20-May-09	06:42:00	62.8	64.9	57.1
20-May-09	06:47:00	64.5	68.2	57.4
20-May-09	06:52:00	61.3	64.1	56.4
20-May-09	06:57:00	66.5	70.9	57.8
20-May-09	23:02:00	58.9	60.9	54.0
20-May-09	23:07:00	57.8	60.3	52.5
20-May-09	23:12:00	57.8	61.1	52.3
20-May-09	23:17:00	62.9	63.8	52.2
20-May-09	23:22:00	60.1	63.9	51.5
20-May-09	23:27:00	55.9	58.4	52.0
20-May-09	23:32:00	58.4	61.9	52.0
20-May-09	23:37:00	62.3	65.1	53.0
20-May-09	23:42:00	56.6	59.4	51.9
20-May-09	23:47:00	60.1	63.1	51.8
20-May-09	23:52:00	63.6	65.7	52.3
20-May-09	23:57:00	56.8	60.2	53.2
	Mean	57.1	59.9	51.4
	Maximum	66.5	70.9	57.8
	Minimum	49.0	49.8	47.4

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-May-09	00:02:00	63.3	66.6	58.8
21-May-09	00:07:00	59.9	62.8	56.3
21-May-09	00:12:00	61.0	62.0	54.8
21-May-09	00:17:00	62.6	63.6	52.3
21-May-09	00:22:00	57.7	59.2	50.9
21-May-09	00:27:00	55.6	58.4	51.4
21-May-09	00:32:00	53.6	55.8	49.6
21-May-09	00:37:00	53.5	57.2	49.9
21-May-09	00:42:00	53.6	56.4	49.5
21-May-09	00:47:00	53.6	56.6	49.4
21-May-09	00:52:00	53.5	57.2	48.9
21-May-09	00:57:00	51.0	53.4	48.3
21-May-09	01:02:00	51.9	54.7	48.8
21-May-09	01:07:00	51.6	53.6	48.8
21-May-09	01:12:00	50.4	51.7	48.3
21-May-09	01:17:00	52.1	54.3	49.1
21-May-09	01:22:00	52.0	54.8	48.8
21-May-09	01:27:00	50.6	52.4	47.8
21-May-09	01:32:00	52.5	55.6	48.4
21-May-09	01:37:00	51.5	54.4	47.9
21-May-09	01:42:00	52.8	54.7	49.0
21-May-09	01:47:00	53.2	56.0	48.1
21-May-09	01:52:00	52.8	56.2	48.5
21-May-09	01:57:00	50.3	52.1	48.3
21-May-09	02:02:00	55.8	55.7	48.2
21-May-09	02:07:00	49.3	50.4	47.7
21-May-09	02:12:00	51.0	53.7	47.9
21-May-09	02:17:00	52.5	54.5	48.0
21-May-09	02:22:00	54.8	58.3	48.7
21-May-09	02:27:00	51.8	53.3	47.9
21-May-09	02:32:00	52.5	55.1	48.6
21-May-09	02:37:00	49.5	50.5	47.4
21-May-09	02:42:00	50.4	50.2	47.1
21-May-09	02:47:00	49.4	51.9	47.2
21-May-09	02:52:00	51.2	53.1	47.4
21-May-09	02:57:00	50.4	52.0	47.4
21-May-09	03:02:00	49.6	51.6	47.2
21-May-09	03:07:00	56.0	57.2	48.1
21-May-09	03:12:00	50.6	52.9	47.6
21-May-09	03:17:00	50.3	52.4	47.7
21-May-09	03:22:00	51.0	53.0	47.3
21-May-09	03:27:00	51.4	53.7	47.2
21-May-09	03:32:00	50.6	52.5	47.5
21-May-09	03:37:00	51.9	55.6	47.6
21-May-09	03:42:00	48.4	49.5	47.1
21-May-09	03:47:00	53.1	54.4	47.8
21-May-09	03:52:00	50.7	52.7	48.3
21-May-09	03:57:00	51.3	54.2	47.2
21-May-09	04:02:00	49.0	50.1	47.1
21-May-09	04:07:00	50.8	54.0	47.2
21-May-09	04:12:00	48.7	49.7	47.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
21-May-09	04:17:00	48.9	50.5	47.2
21-May-09	04:22:00	49.4	51.0	47.2
21-May-09	04:27:00	49.6	50.9	47.2
21-May-09	04:32:00	49.9	51.2	47.1
21-May-09	04:37:00	50.5	52.8	47.3
21-May-09	04:42:00	50.9	51.2	47.4
21-May-09	04:47:00	53.9	57.1	47.8
21-May-09	04:52:00	52.9	56.6	48.1
21-May-09	04:57:00	52.7	55.6	49.2
21-May-09	05:02:00	61.4	66.3	48.3
21-May-09	05:07:00	52.7	56.0	48.2
21-May-09	05:12:00	55.5	58.3	49.0
21-May-09	05:17:00	56.4	60.0	49.9
21-May-09	05:22:00	58.8	61.5	51.0
21-May-09	05:27:00	55.9	59.4	50.3
21-May-09	05:32:00	56.4	59.6	51.3
21-May-09	05:37:00	56.4	59.7	50.9
21-May-09	05:42:00	55.9	59.3	50.2
21-May-09	05:47:00	59.4	59.0	49.9
21-May-09	05:52:00	55.9	58.7	50.9
21-May-09	05:57:00	61.7	64.6	52.0
21-May-09	06:02:00	55.6	58.3	51.3
21-May-09	06:07:00	58.3	60.5	52.1
21-May-09	06:12:00	60.8	63.3	51.9
21-May-09	06:17:00	57.6	60.4	53.0
21-May-09	06:22:00	64.8	67.5	56.2
21-May-09	06:27:00	61.4	64.4	55.2
21-May-09	06:32:00	63.9	68.1	57.1
21-May-09	06:37:00	63.0	64.4	55.0
21-May-09	06:42:00	65.4	69.3	58.0
21-May-09	06:47:00	63.7	66.8	58.3
21-May-09	06:52:00	66.2	69.6	57.3
21-May-09	06:57:00	67.0	71.7	57.9
21-May-09	23:02:00	59.9	64.1	53.3
21-May-09	23:07:00	58.5	60.0	53.0
21-May-09	23:12:00	63.0	66.0	53.5
21-May-09	23:17:00	57.7	60.6	52.6
21-May-09	23:22:00	55.7	58.4	51.5
21-May-09	23:27:00	57.7	61.3	51.8
21-May-09	23:32:00	62.2	65.2	53.1
21-May-09	23:37:00	63.4	66.3	52.8
21-May-09	23:42:00	59.7	62.5	51.6
21-May-09	23:47:00	56.8	58.8	53.3
21-May-09	23:52:00	63.9	66.6	53.1
21-May-09	23:57:00	55.5	57.7	52.7
	Mean	58.2	61.2	51.5
	Maximum	67.0	71.7	58.8
	Minimum	48.4	49.5	47.1

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-May-09	00:02:00	58.4	60.4	52.6
22-May-09	00:07:00	55.9	58.3	53.0
22-May-09	00:12:00	65.1	69.0	53.4
22-May-09	00:17:00	55.0	58.1	50.6
22-May-09	00:22:00	55.0	58.3	50.4
22-May-09	00:27:00	54.4	57.6	50.1
22-May-09	00:32:00	54.8	58.1	50.2
22-May-09	00:37:00	53.0	55.8	49.3
22-May-09	00:42:00	52.1	54.8	49.0
22-May-09	00:47:00	52.0	54.6	49.0
22-May-09	00:52:00	54.7	57.6	49.0
22-May-09	00:57:00	51.8	54.5	48.8
22-May-09	01:02:00	53.7	56.7	49.3
22-May-09	01:07:00	52.9	56.8	49.0
22-May-09	01:12:00	50.6	52.8	48.1
22-May-09	01:17:00	53.1	55.4	48.3
22-May-09	01:22:00	53.3	56.1	49.1
22-May-09	01:27:00	53.4	56.3	49.1
22-May-09	01:32:00	51.9	54.5	49.0
22-May-09	01:37:00	49.9	50.8	48.4
22-May-09	01:42:00	50.5	51.6	47.9
22-May-09	01:47:00	49.3	49.7	47.9
22-May-09	01:52:00	50.3	51.8	48.1
22-May-09	01:57:00	49.9	50.9	48.2
22-May-09	02:02:00	52.3	53.8	48.3
22-May-09	02:07:00	49.9	51.4	48.1
22-May-09	02:12:00	56.6	60.2	48.8
22-May-09	02:17:00	53.8	54.6	52.8
22-May-09	02:22:00	53.5	54.6	52.0
22-May-09	02:27:00	55.1	57.0	52.0
22-May-09	02:32:00	53.6	54.5	52.0
22-May-09	02:37:00	54.2	54.4	51.9
22-May-09	02:42:00	52.9	53.7	51.9
22-May-09	02:47:00	52.9	53.6	51.9
22-May-09	02:52:00	52.6	53.4	51.9
22-May-09	02:57:00	54.3	56.4	52.1
22-May-09	03:02:00	53.4	54.6	52.1
22-May-09	03:07:00	53.6	54.8	52.1
22-May-09	03:12:00	53.5	54.6	52.0
22-May-09	03:17:00	53.6	54.6	52.0
22-May-09	03:22:00	54.2	56.2	52.0
22-May-09	03:27:00	53.7	55.6	52.1
22-May-09	03:32:00	53.3	54.2	52.0
22-May-09	03:37:00	53.9	55.5	52.2
22-May-09	03:42:00	53.6	53.9	52.1
22-May-09	03:47:00	57.3	57.7	52.2
22-May-09	03:52:00	52.8	53.6	52.0
22-May-09	03:57:00	52.7	53.5	51.9
22-May-09	04:02:00	54.0	55.0	52.0
22-May-09	04:07:00	53.4	54.2	52.0
22-May-09	04:12:00	56.9	58.9	48.4

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
22-May-09	04:17:00	54.8	59.5	48.1
22-May-09	04:22:00	54.2	55.3	52.8
22-May-09	04:27:00	53.5	54.6	52.2
22-May-09	04:32:00	53.7	54.5	52.3
22-May-09	04:37:00	54.5	56.2	52.9
22-May-09	04:42:00	54.7	56.8	52.9
22-May-09	04:47:00	53.5	54.4	52.8
22-May-09	04:52:00	55.2	57.5	52.8
22-May-09	04:57:00	54.4	55.6	52.9
22-May-09	05:02:00	53.6	54.6	52.8
22-May-09	05:07:00	54.5	55.7	52.9
22-May-09	05:12:00	53.7	54.7	52.8
22-May-09	05:17:00	56.2	58.2	53.0
22-May-09	05:22:00	58.9	61.7	51.2
22-May-09	05:27:00	58.8	62.0	50.4
22-May-09	05:32:00	54.7	57.2	50.8
22-May-09	05:37:00	56.4	57.8	50.4
22-May-09	05:42:00	55.7	56.3	49.8
22-May-09	05:47:00	54.6	57.5	50.0
22-May-09	05:52:00	55.4	58.2	50.9
22-May-09	05:57:00	54.7	58.2	50.0
22-May-09	06:02:00	55.3	58.3	51.3
22-May-09	06:07:00	54.7	58.0	49.8
22-May-09	06:12:00	56.3	59.3	50.2
22-May-09	06:17:00	65.1	69.4	53.5
22-May-09	06:22:00	58.7	62.1	52.2
22-May-09	06:27:00	58.9	62.5	52.1
22-May-09	06:32:00	62.2	66.1	55.8
22-May-09	06:37:00	59.6	62.6	55.2
22-May-09	06:42:00	66.1	69.5	55.4
22-May-09	06:47:00	65.1	66.4	59.2
22-May-09	06:52:00	65.0	69.2	54.6
22-May-09	06:57:00	65.2	68.8	57.1
22-May-09	23:02:00	55.8	57.9	52.2
22-May-09	23:07:00	56.5	58.7	50.2
22-May-09	23:12:00	57.6	61.2	52.0
22-May-09	23:17:00	60.3	59.6	50.5
22-May-09	23:22:00	54.6	56.9	48.8
22-May-09	23:27:00	54.2	57.0	50.0
22-May-09	23:32:00	58.1	61.5	51.5
22-May-09	23:37:00	63.4	66.5	50.1
22-May-09	23:42:00	52.7	55.0	49.3
22-May-09	23:47:00	52.9	55.4	49.4
22-May-09	23:52:00	65.3	68.7	48.7
22-May-09	23:57:00	55.2	58.0	50.0
	Mean	57.5	60.5	51.8
	Maximum	66.1	69.5	59.2
	Minimum	49.3	49.7	47.9



## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-May-09	00:02:00	55.0	57.4	51.0
23-May-09	00:07:00	54.3	56.3	51.0
23-May-09	00:12:00	61.4	64.9	52.4
23-May-09	00:17:00	60.5	62.1	48.0
23-May-09	00:22:00	50.3	51.6	47.8
23-May-09	00:27:00	51.3	53.9	48.3
23-May-09	00:32:00	50.3	52.9	47.0
23-May-09	00:37:00	53.1	57.2	48.1
23-May-09	00:42:00	50.1	52.3	47.0
23-May-09	00:47:00	50.5	53.0	47.9
23-May-09	00:52:00	50.8	54.0	47.7
23-May-09	00:57:00	50.9	54.1	46.9
23-May-09	01:02:00	50.0	52.4	47.1
23-May-09	01:07:00	49.9	51.7	46.6
23-May-09	01:12:00	51.9	54.8	47.5
23-May-09	01:17:00	50.0	52.1	46.7
23-May-09	01:22:00	49.9	51.3	46.5
23-May-09	01:27:00	49.5	52.7	46.2
23-May-09	01:32:00	47.6	48.4	46.0
23-May-09	01:37:00	49.9	52.1	46.1
23-May-09	01:42:00	65.5	69.0	53.9
23-May-09	01:47:00	62.2	63.7	60.0
23-May-09	01:52:00	59.1	60.6	56.4
23-May-09	01:57:00	54.9	56.7	52.3
23-May-09	02:02:00	52.2	54.4	50.0
23-May-09	02:07:00	50.3	51.4	48.9
23-May-09	02:12:00	49.7	51.1	48.5
23-May-09	02:17:00	50.3	52.7	47.8
23-May-09	02:22:00	49.4	50.9	47.4
23-May-09	02:27:00	49.3	50.2	47.6
23-May-09	02:32:00	50.9	53.1	48.1
23-May-09	02:37:00	49.6	51.2	47.2
23-May-09	02:42:00	49.0	50.9	47.0
23-May-09	02:47:00	51.2	52.5	49.0
23-May-09	02:52:00	51.8	53.2	50.2
23-May-09	02:57:00	53.9	56.3	50.5
23-May-09	03:02:00	53.2	54.6	51.4
23-May-09	03:07:00	58.0	60.0	52.9
23-May-09	03:12:00	53.5	54.2	52.8
23-May-09	03:17:00	54.2	54.7	53.8
23-May-09	03:22:00	54.3	54.7	53.8
23-May-09	03:27:00	55.3	55.9	53.9
23-May-09	03:32:00	54.4	55.4	52.9
23-May-09	03:37:00	52.8	53.7	51.0
23-May-09	03:42:00	50.2	50.9	49.4
23-May-09	03:47:00	49.2	50.0	48.3
23-May-09	03:52:00	51.3	54.1	48.0
23-May-09	03:57:00	50.6	51.0	47.8
23-May-09	04:02:00	53.4	55.6	47.9
23-May-09	04:07:00	48.5	49.4	47.5
23-May-09	04:12:00	49.5	51.7	47.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
23-May-09	04:17:00	48.6	50.0	46.9
23-May-09	04:22:00	48.3	49.3	46.8
23-May-09	04:27:00	47.8	48.3	46.8
23-May-09	04:32:00	47.1	47.7	46.2
23-May-09	04:37:00	47.7	48.0	46.0
23-May-09	04:42:00	51.0	55.6	46.4
23-May-09	04:47:00	50.9	53.4	47.0
23-May-09	04:52:00	48.1	49.7	46.2
23-May-09	04:57:00	50.4	53.6	46.8
23-May-09	05:02:00	52.7	55.7	48.0
23-May-09	05:07:00	51.4	52.0	47.1
23-May-09	05:12:00	52.7	54.5	47.3
23-May-09	05:17:00	54.2	57.3	47.8
23-May-09	05:22:00	57.3	60.2	50.5
23-May-09	05:27:00	56.3	59.6	50.9
23-May-09	05:32:00	57.5	59.5	49.8
23-May-09	05:37:00	53.5	56.4	49.3
23-May-09	05:42:00	54.9	57.8	49.3
23-May-09	05:47:00	55.9	59.4	49.4
23-May-09	05:52:00	56.9	59.0	49.0
23-May-09	05:57:00	55.0	57.0	49.2
23-May-09	06:02:00	52.6	55.7	48.4
23-May-09	06:07:00	52.7	55.7	48.5
23-May-09	06:12:00	54.4	57.3	49.5
23-May-09	06:17:00	64.1	65.3	51.3
23-May-09	06:22:00	57.2	59.6	53.4
23-May-09	06:27:00	58.8	62.1	51.9
23-May-09	06:32:00	61.0	64.5	53.7
23-May-09	06:37:00	59.2	62.1	54.6
23-May-09	06:42:00	65.5	69.1	55.4
23-May-09	06:47:00	62.9	66.2	56.1
23-May-09	06:52:00	61.6	64.5	55.2
23-May-09	06:57:00	66.6	70.2	58.1
23-May-09	23:02:00	55.8	58.8	49.4
23-May-09	23:07:00	56.9	59.2	51.6
23-May-09	23:12:00	54.8	57.6	50.4
23-May-09	23:17:00	61.0	62.5	51.1
23-May-09	23:22:00	56.8	59.5	50.1
23-May-09	23:27:00	55.2	58.3	49.4
23-May-09	23:32:00	56.4	58.8	49.2
23-May-09	23:37:00	64.2	68.3	50.8
23-May-09	23:42:00	54.1	57.0	48.8
23-May-09	23:47:00	54.9	57.6	50.6
23-May-09	23:52:00	61.1	61.7	52.0
23-May-09	23:57:00	56.0	58.4	50.8
	Mean	56.9	59.7	50.9
	Maximum	66.6	70.2	60.0
	Minimum	47.1	47.7	46.0

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	00:02:00	54.1	56.3	51.5
24-May-09	00:07:00	54.4	56.9	51.2
24-May-09	00:12:00	58.3	60.1	48.9
24-May-09	00:17:00	61.7	63.6	49.0
24-May-09	00:22:00	51.9	55.6	47.3
24-May-09	00:27:00	52.4	55.4	48.8
24-May-09	00:32:00	52.0	55.2	47.3
24-May-09	00:37:00	51.5	54.6	47.7
24-May-09	00:42:00	51.6	54.5	47.3
24-May-09	00:47:00	51.2	54.4	47.1
24-May-09	00:52:00	52.0	55.0	47.6
24-May-09	00:57:00	52.6	55.5	46.5
24-May-09	01:02:00	50.8	53.3	47.1
24-May-09	01:07:00	53.1	55.4	46.8
24-May-09	01:12:00	51.5	55.4	46.8
24-May-09	01:17:00	49.9	52.6	46.5
24-May-09	01:22:00	51.4	55.2	47.0
24-May-09	01:27:00	52.1	54.6	46.5
24-May-09	01:32:00	49.4	51.1	46.9
24-May-09	01:37:00	50.2	53.5	46.1
24-May-09	01:42:00	47.4	48.6	45.9
24-May-09	01:47:00	49.9	52.8	45.9
24-May-09	01:52:00	48.2	50.0	46.2
24-May-09	01:57:00	52.2	55.5	46.5
24-May-09	02:02:00	49.3	51.9	46.2
24-May-09	02:07:00	49.3	51.6	46.1
24-May-09	02:12:00	49.8	53.6	45.8
24-May-09	02:17:00	49.2	51.8	46.3
24-May-09	02:22:00	47.3	48.6	45.7
24-May-09	02:27:00	50.7	53.7	46.8
24-May-09	02:32:00	47.5	48.7	45.9
24-May-09	02:37:00	47.3	48.5	45.9
24-May-09	02:42:00	51.8	55.7	46.1
24-May-09	02:47:00	49.0	51.0	45.8
24-May-09	02:52:00	47.4	48.1	45.8
24-May-09	02:57:00	46.6	48.1	45.1
24-May-09	03:02:00	50.4	55.3	45.3
24-May-09	03:07:00	48.9	51.5	45.7
24-May-09	03:12:00	54.6	55.8	46.0
24-May-09	03:17:00	46.5	47.5	45.0
24-May-09	03:22:00	46.3	47.2	45.2
24-May-09	03:27:00	47.0	47.7	45.0
24-May-09	03:32:00	48.7	51.3	45.7
24-May-09	03:37:00	52.4	53.8	45.8
24-May-09	03:42:00	47.4	48.1	45.2
24-May-09	03:47:00	46.3	46.9	45.1
24-May-09	03:52:00	47.2	49.1	44.9
24-May-09	03:57:00	46.5	47.0	45.1
24-May-09	04:02:00	46.3	47.2	44.9
24-May-09	04:07:00	49.3	51.7	45.1
24-May-09	04:12:00	49.5	51.9	45.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
24-May-09	04:17:00	46.6	47.9	45.2
24-May-09	04:22:00	46.9	47.6	45.0
24-May-09	04:27:00	47.9	50.0	45.2
24-May-09	04:32:00	49.3	51.6	45.3
24-May-09	04:37:00	46.5	47.4	45.0
24-May-09	04:42:00	49.1	51.4	45.4
24-May-09	04:47:00	49.7	52.8	46.1
24-May-09	04:52:00	50.8	54.0	46.9
24-May-09	04:57:00	50.3	52.9	46.0
24-May-09	05:02:00	50.5	53.2	46.0
24-May-09	05:07:00	54.7	58.5	46.0
24-May-09	05:12:00	55.7	59.7	46.5
24-May-09	05:17:00	55.6	58.7	48.4
24-May-09	05:22:00	57.2	61.4	48.5
24-May-09	05:27:00	56.3	59.6	49.1
24-May-09	05:32:00	55.9	59.4	49.1
24-May-09	05:37:00	54.6	58.5	48.1
24-May-09	05:42:00	54.4	58.0	48.8
24-May-09	05:47:00	56.4	60.8	49.0
24-May-09	05:52:00	54.1	56.6	48.6
24-May-09	05:57:00	56.0	59.0	50.5
24-May-09	06:02:00	56.8	59.8	50.4
24-May-09	06:07:00	52.2	55.4	47.2
24-May-09	06:12:00	53.7	56.6	48.6
24-May-09	06:17:00	55.7	58.4	50.2
24-May-09	06:22:00	61.1	64.7	52.1
24-May-09	06:27:00	61.2	63.2	52.5
24-May-09	06:32:00	59.1	62.3	53.0
24-May-09	06:37:00	59.0	61.8	54.1
24-May-09	06:42:00	63.4	64.4	54.3
24-May-09	06:47:00	63.6	65.9	55.8
24-May-09	06:52:00	60.7	63.9	54.3
24-May-09	06:57:00	66.7	71.4	58.0
24-May-09	23:02:00	56.9	59.5	51.3
24-May-09	23:07:00	58.0	61.1	52.5
24-May-09	23:12:00	57.9	60.2	53.0
24-May-09	23:17:00	60.9	61.8	52.0
24-May-09	23:22:00	56.8	58.7	52.1
24-May-09	23:27:00	56.8	59.9	52.3
24-May-09	23:32:00	59.2	62.4	52.1
24-May-09	23:37:00	62.3	64.7	52.4
24-May-09	23:42:00	55.3	57.7	51.8
24-May-09	23:47:00	55.0	58.1	50.8
24-May-09	23:52:00	60.3	62.7	49.8
24-May-09	23:57:00	57.1	60.2	51.9
	Mean	55.9	58.8	49.3
	Maximum	66.7	71.4	58.0
	Minimum	46.3	46.9	44.9

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
25-May-09	00:02:00	55.0	57.9	50.1
25-May-09	00:07:00	59.4	63.3	50.1
25-May-09	00:12:00	59.3	60.1	50.9
25-May-09	00:17:00	61.1	63.9	48.9
25-May-09	00:22:00	53.6	56.6	49.8
25-May-09	00:27:00	52.9	56.1	48.7
25-May-09	00:32:00	54.8	57.9	49.9
25-May-09	00:37:00	53.5	56.6	47.9
25-May-09	00:42:00	52.5	55.6	48.1
25-May-09	00:47:00	53.3	56.5	47.3
25-May-09	00:52:00	53.7	57.3	47.9
25-May-09	00:57:00	53.0	56.0	48.5
25-May-09	01:02:00	50.1	52.1	47.6
25-May-09	01:07:00	49.6	50.7	47.8
25-May-09	01:12:00	51.0	54.2	47.5
25-May-09	01:17:00	52.4	55.6	47.9
25-May-09	01:22:00	52.6	55.7	47.9
25-May-09	01:27:00	51.9	54.3	48.8
25-May-09	01:32:00	51.7	54.9	48.1
25-May-09	01:37:00	52.3	55.8	48.2
25-May-09	01:42:00	51.0	53.6	48.2
25-May-09	01:47:00	52.2	55.3	48.2
25-May-09	01:52:00	53.0	56.1	48.9
25-May-09	01:57:00	51.2	53.4	48.6
25-May-09	02:02:00	50.8	53.8	47.8
25-May-09	02:07:00	52.2	54.9	48.1
25-May-09	02:12:00	52.6	56.0	47.9
25-May-09	02:17:00	51.7	54.4	48.1
25-May-09	02:22:00	51.7	53.3	47.9
25-May-09	02:27:00	53.1	56.2	47.8
25-May-09	02:32:00	49.9	51.9	47.4
25-May-09	02:37:00	53.2	56.2	48.0
25-May-09	02:42:00	52.1	54.6	47.9
25-May-09	02:47:00	50.6	53.3	47.3
25-May-09	02:52:00	51.7	54.8	47.4
25-May-09	02:57:00	52.8	55.9	47.8
25-May-09	03:02:00	61.2	62.0	46.4
25-May-09	03:07:00	51.7	55.2	47.2
25-May-09	03:12:00	50.6	53.4	47.2
25-May-09	03:17:00	57.3	60.6	47.1
25-May-09	03:22:00	51.3	54.5	47.5
25-May-09	03:27:00	51.8	53.3	46.2
25-May-09	03:32:00	52.5	54.7	46.9
25-May-09	03:37:00	49.6	52.4	46.3
25-May-09	03:42:00	61.3	63.9	47.1
25-May-09	03:47:00	51.9	55.4	47.3
25-May-09	03:52:00	49.8	50.4	46.0
25-May-09	03:57:00	50.1	50.8	46.8
25-May-09	04:02:00	50.6	53.8	46.4
25-May-09	04:07:00	48.5	50.0	46.4
25-May-09	04:12:00	50.0	51.7	45.9

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
25-May-09	04:17:00	49.3	49.4	46.3
25-May-09	04:22:00	49.2	51.7	46.5
25-May-09	04:27:00	51.8	55.4	47.1
25-May-09	04:32:00	49.8	51.5	46.3
25-May-09	04:37:00	48.1	49.2	46.2
25-May-09	04:42:00	52.4	56.0	47.4
25-May-09	04:47:00	53.1	56.5	48.1
25-May-09	04:52:00	54.3	56.8	48.0
25-May-09	04:57:00	54.1	57.4	48.7
25-May-09	05:02:00	53.3	56.3	48.1
25-May-09	05:07:00	52.9	55.3	48.7
25-May-09	05:12:00	58.3	61.4	50.8
25-May-09	05:17:00	54.8	58.2	48.8
25-May-09	05:22:00	53.7	56.6	49.3
25-May-09	05:27:00	55.1	58.2	49.8
25-May-09	05:32:00	58.0	61.6	50.3
25-May-09	05:37:00	56.4	59.4	50.3
25-May-09	05:42:00	55.4	58.3	49.5
25-May-09	05:47:00	53.9	57.3	48.4
25-May-09	05:52:00	53.6	57.0	47.6
25-May-09	05:57:00	53.9	56.4	49.1
25-May-09	06:02:00	54.5	58.1	48.9
25-May-09	06:07:00	52.9	56.5	48.0
25-May-09	06:12:00	55.8	59.3	49.3
25-May-09	06:17:00	62.1	65.6	50.7
25-May-09	06:22:00	55.0	57.1	51.5
25-May-09	06:27:00	56.6	59.4	50.5
25-May-09	06:32:00	56.5	59.1	50.4
25-May-09	06:37:00	56.2	59.5	51.0
25-May-09	06:42:00	58.8	62.9	50.3
25-May-09	06:47:00	61.0	60.9	51.1
25-May-09	06:52:00	56.9	58.7	50.2
25-May-09	06:57:00	62.1	65.0	51.3
25-May-09	23:02:00	55.1	57.7	50.5
25-May-09	23:07:00	56.5	59.4	50.8
25-May-09	23:12:00	61.2	63.7	51.1
25-May-09	23:17:00	55.4	57.7	50.4
25-May-09	23:22:00	53.5	55.8	48.4
25-May-09	23:27:00	55.4	58.5	49.4
25-May-09	23:32:00	60.3	63.3	49.2
25-May-09	23:37:00	55.8	58.9	50.2
25-May-09	23:42:00	58.4	61.7	47.5
25-May-09	23:47:00	55.1	58.3	49.6
25-May-09	23:52:00	62.6	65.8	52.2
25-May-09	23:57:00	56.4	59.3	51.5
	Mean	55.6	58.4	48.8
	Maximum	62.6	65.8	52.2
	Minimum	48.1	49.2	45.9

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
26-May-09	00:02:00	54.7	57.6	50.9
26-May-09	00:07:00	55.5	58.3	51.4
26-May-09	00:12:00	62.8	65.5	49.8
26-May-09	00:17:00	54.3	57.1	48.3
26-May-09	00:22:00	50.6	53.6	46.9
26-May-09	00:27:00	53.7	56.3	47.3
26-May-09	00:32:00	50.3	53.0	47.2
26-May-09	00:37:00	54.5	55.7	47.8
26-May-09	00:42:00	50.5	53.6	46.6
26-May-09	00:47:00	49.3	50.7	46.5
26-May-09	00:52:00	53.3	54.7	47.7
26-May-09	00:57:00	49.5	52.1	47.0
26-May-09	01:02:00	53.2	57.2	47.2
26-May-09	01:07:00	51.7	54.0	46.8
26-May-09	01:12:00	48.2	49.8	46.1
26-May-09	01:17:00	48.7	49.7	46.2
26-May-09	01:22:00	52.2	51.7	46.1
26-May-09	01:27:00	51.4	54.4	47.2
26-May-09	01:32:00	50.6	51.7	46.9
26-May-09	01:37:00	50.5	53.7	47.0
26-May-09	01:42:00	48.6	50.3	46.7
26-May-09	01:47:00	52.4	56.5	46.6
26-May-09	01:52:00	47.3	48.4	46.1
26-May-09	01:57:00	47.2	47.7	46.0
26-May-09	02:02:00	50.1	51.7	46.3
26-May-09	02:07:00	50.2	53.0	46.3
26-May-09	02:12:00	48.8	51.4	46.1
26-May-09	02:17:00	48.8	51.0	46.1
26-May-09	02:22:00	50.5	53.7	46.1
26-May-09	02:27:00	47.7	49.9	46.0
26-May-09	02:32:00	47.7	47.9	45.9
26-May-09	02:37:00	53.4	56.5	46.4
26-May-09	02:42:00	50.9	53.3	46.8
26-May-09	02:47:00	48.6	50.8	45.4
26-May-09	02:52:00	48.1	49.2	45.3
26-May-09	02:57:00	46.6	47.5	45.8
26-May-09	03:02:00	47.7	49.1	44.9
26-May-09	03:07:00	46.6	48.6	44.8
26-May-09	03:12:00	48.0	49.6	46.1
26-May-09	03:17:00	49.5	53.0	45.0
26-May-09	03:22:00	46.8	48.8	44.7
26-May-09	03:27:00	46.3	47.3	45.1
26-May-09	03:32:00	46.1	47.1	45.0
26-May-09	03:37:00	46.3	47.4	45.1
26-May-09	03:42:00	54.8	55.2	45.5
26-May-09	03:47:00	47.1	47.6	44.9
26-May-09	03:52:00	47.8	50.1	45.1
26-May-09	03:57:00	49.1	50.8	45.0
26-May-09	04:02:00	48.8	49.1	44.9
26-May-09	04:07:00	47.5	49.0	45.1
26-May-09	04:12:00	48.1	48.5	45.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
26-May-09	04:17:00	48.0	49.6	45.9
26-May-09	04:22:00	49.9	53.3	45.7
26-May-09	04:27:00	49.1	51.3	45.0
26-May-09	04:32:00	47.1	47.7	45.2
26-May-09	04:37:00	48.9	51.8	45.2
26-May-09	04:42:00	50.5	53.6	45.2
26-May-09	04:47:00	49.8	52.7	46.2
26-May-09	04:52:00	50.6	54.0	46.0
26-May-09	04:57:00	51.7	55.1	46.1
26-May-09	05:02:00	51.8	54.8	47.2
26-May-09	05:07:00	54.9	57.2	46.9
26-May-09	05:12:00	51.8	54.7	46.3
26-May-09	05:17:00	53.1	56.8	47.3
26-May-09	05:22:00	54.3	58.0	47.0
26-May-09	05:27:00	54.0	56.7	49.8
26-May-09	05:32:00	57.7	61.7	50.9
26-May-09	05:37:00	56.1	59.0	50.9
26-May-09	05:42:00	54.7	57.7	50.2
26-May-09	05:47:00	55.1	58.2	50.4
26-May-09	05:52:00	53.8	57.0	49.4
26-May-09	05:57:00	53.8	56.8	49.7
26-May-09	06:02:00	55.2	57.5	50.8
26-May-09	06:07:00	55.5	58.6	50.9
26-May-09	06:12:00	57.5	60.1	51.8
26-May-09	06:17:00	64.5	68.1	53.8
26-May-09	06:22:00	58.8	62.1	53.0
26-May-09	06:27:00	61.0	61.7	54.1
26-May-09	06:32:00	62.0	65.7	56.3
26-May-09	06:37:00	60.1	62.7	55.4
26-May-09	06:42:00	65.4	69.5	58.0
26-May-09	06:47:00	62.7	65.9	56.4
26-May-09	06:52:00	63.9	67.7	55.0
26-May-09	06:57:00	64.3	67.5	57.4
26-May-09	23:02:00	57.4	60.5	51.7
26-May-09	23:07:00	54.5	57.3	48.4
26-May-09	23:12:00	61.9	63.4	51.4
26-May-09	23:17:00	60.3	60.4	52.0
26-May-09	23:22:00	54.9	57.8	49.8
26-May-09	23:27:00	62.9	60.2	49.5
26-May-09	23:32:00	55.6	58.0	49.8
26-May-09	23:37:00	62.5	65.5	50.9
26-May-09	23:42:00	56.0	58.7	50.6
26-May-09	23:47:00	55.1	58.1	49.8
26-May-09	23:52:00	55.1	58.3	49.4
26-May-09	23:57:00	64.5	68.8	52.2
	Mean	56.5	59.4	49.6
	Maximum	65.4	69.5	58.0
	Minimum	46.1	47.1	44.7

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
27-May-09	00:02:00	55.4	57.9	48.1
27-May-09	00:07:00	56.7	59.8	48.8
27-May-09	00:12:00	52.5	55.6	47.3
27-May-09	00:17:00	62.3	63.7	49.9
27-May-09	00:22:00	56.1	58.0	49.3
27-May-09	00:27:00	53.2	56.3	47.5
27-May-09	00:32:00	50.9	54.7	46.6
27-May-09	00:37:00	50.3	53.1	46.6
27-May-09	00:42:00	50.9	54.2	46.3
27-May-09	00:47:00	51.7	54.7	47.2
27-May-09	00:52:00	54.1	57.5	48.1
27-May-09	00:57:00	50.7	54.0	46.6
27-May-09	01:02:00	51.5	55.0	46.3
27-May-09	01:07:00	51.1	54.5	46.9
27-May-09	01:12:00	51.1	54.6	46.1
27-May-09	01:17:00	51.6	55.2	46.8
27-May-09	01:22:00	51.2	54.6	46.5
27-May-09	01:27:00	51.8	55.3	46.2
27-May-09	01:32:00	54.8	56.4	46.6
27-May-09	01:37:00	51.1	55.1	44.8
27-May-09	01:42:00	51.6	54.7	46.0
27-May-09	01:47:00	48.9	51.9	45.2
27-May-09	01:52:00	50.3	52.6	45.8
27-May-09	01:57:00	49.1	52.4	44.8
27-May-09	02:02:00	49.0	49.6	45.1
27-May-09	02:07:00	53.6	56.3	44.9
27-May-09	02:12:00	50.5	54.2	45.8
27-May-09	02:17:00	48.1	48.8	45.1
27-May-09	02:22:00	49.4	53.2	44.6
27-May-09	02:27:00	50.2	53.1	45.2
27-May-09	02:32:00	49.1	52.3	44.2
27-May-09	02:37:00	52.2	55.9	45.3
27-May-09	02:42:00	52.5	52.6	45.9
27-May-09	02:47:00	48.7	51.7	44.1
27-May-09	02:52:00	50.2	53.5	45.1
27-May-09	02:57:00	50.8	54.1	45.0
27-May-09	03:02:00	51.8	55.0	45.9
27-May-09	03:07:00	52.5	53.6	44.0
27-May-09	03:12:00	55.1	56.9	45.0
27-May-09	03:17:00	59.4	60.2	45.6
27-May-09	03:22:00	48.8	51.7	44.6
27-May-09	03:27:00	50.3	52.3	44.5
27-May-09	03:32:00	49.1	51.9	43.9
27-May-09	03:37:00	48.6	51.5	44.6
27-May-09	03:42:00	48.9	51.5	44.2
27-May-09	03:47:00	46.8	48.4	44.8
27-May-09	03:52:00	48.7	51.7	44.4
27-May-09	03:57:00	49.6	52.9	44.3
27-May-09	04:02:00	49.0	52.0	45.0
27-May-09	04:07:00	48.8	51.5	44.0
27-May-09	04:12:00	50.3	54.2	44.8

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
27-May-09	04:17:00	47.6	49.9	44.2
27-May-09	04:22:00	49.4	52.4	45.0
27-May-09	04:27:00	47.2	49.4	43.8
27-May-09	04:32:00	50.6	54.0	44.1
27-May-09	04:37:00	50.9	55.1	45.4
27-May-09	04:42:00	48.8	52.2	44.3
27-May-09	04:47:00	50.9	55.4	44.3
27-May-09	04:52:00	49.6	53.0	45.6
27-May-09	04:57:00	52.2	56.1	46.4
27-May-09	05:02:00	53.1	57.5	47.2
27-May-09	05:07:00	49.5	51.6	45.7
27-May-09	05:12:00	52.7	55.3	47.3
27-May-09	05:17:00	57.7	61.5	48.5
27-May-09	05:22:00	54.9	58.2	48.2
27-May-09	05:27:00	54.5	57.5	49.1
27-May-09	05:32:00	55.8	59.1	49.2
27-May-09	05:37:00	54.1	57.0	48.0
27-May-09	05:42:00	53.6	56.9	48.2
27-May-09	05:47:00	55.3	57.2	48.4
27-May-09	05:52:00	54.5	57.3	50.0
27-May-09	05:57:00	53.0	55.8	47.5
27-May-09	06:02:00	62.2	63.9	50.8
27-May-09	06:07:00	63.7	67.5	49.2
27-May-09	06:12:00	55.2	57.6	49.7
27-May-09	06:17:00	58.0	60.7	49.2
27-May-09	06:22:00	56.5	59.4	51.5
27-May-09	06:27:00	60.2	63.4	53.8
27-May-09	06:32:00	57.7	60.9	52.1
27-May-09	06:37:00	64.0	68.5	53.6
27-May-09	06:42:00	59.7	61.1	53.0
27-May-09	06:47:00	61.3	64.4	52.9
27-May-09	06:52:00	61.7	65.1	54.4
27-May-09	06:57:00	58.4	60.6	55.0
27-May-09	23:02:00	58.0	60.7	51.5
27-May-09	23:07:00	59.3	61.2	51.8
27-May-09	23:12:00	62.4	64.6	52.8
27-May-09	23:17:00	57.0	59.7	50.5
27-May-09	23:22:00	63.6	65.0	53.3
27-May-09	23:27:00	60.2	63.3	52.2
27-May-09	23:32:00	54.8	57.8	49.2
27-May-09	23:37:00	55.5	58.8	49.8
27-May-09	23:42:00	55.9	58.7	50.1
27-May-09	23:47:00	62.0	64.1	53.2
27-May-09	23:52:00	56.9	58.9	51.2
27-May-09	23:57:00	55.5	58.4	51.5
	Mean	56.0	58.8	48.6
	Maximum	64.0	68.5	55.0
	Minimum	46.8	48.4	43.8

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
28-May-09	00:02:00	55.6	58.7	50.5
28-May-09	00:07:00	54.8	58.1	50.1
28-May-09	00:12:00	61.2	63.3	52.7
28-May-09	00:17:00	56.3	59.1	50.7
28-May-09	00:22:00	60.7	64.7	51.1
28-May-09	00:27:00	54.8	57.5	50.2
28-May-09	00:32:00	57.4	60.3	50.1
28-May-09	00:37:00	54.4	58.0	48.7
28-May-09	00:42:00	54.9	58.9	47.7
28-May-09	00:47:00	54.1	57.2	48.8
28-May-09	00:52:00	54.3	57.8	48.1
28-May-09	00:57:00	52.5	56.2	48.5
28-May-09	01:02:00	54.6	57.3	48.9
28-May-09	01:07:00	53.3	56.5	48.9
28-May-09	01:12:00	53.9	57.9	48.1
28-May-09	01:17:00	51.7	55.1	46.8
28-May-09	01:22:00	50.2	53.1	46.9
28-May-09	01:27:00	52.2	54.9	46.9
28-May-09	01:32:00	51.3	54.9	46.9
28-May-09	01:37:00	52.4	56.0	46.8
28-May-09	01:42:00	52.1	55.3	46.8
28-May-09	01:47:00	52.1	55.8	45.9
28-May-09	01:52:00	53.8	57.4	47.7
28-May-09	01:57:00	52.2	55.8	46.7
28-May-09	02:02:00	53.6	56.9	47.8
28-May-09	02:07:00	51.6	54.8	46.0
28-May-09	02:12:00	52.9	56.4	47.0
28-May-09	02:17:00	51.5	55.4	46.4
28-May-09	02:22:00	53.1	56.4	46.2
28-May-09	02:27:00	48.8	50.7	46.2
28-May-09	02:32:00	56.7	59.9	48.9
28-May-09	02:37:00	54.4	57.4	47.0
28-May-09	02:42:00	51.6	55.1	46.7
28-May-09	02:47:00	49.6	53.0	45.7
28-May-09	02:52:00	53.8	57.5	46.9
28-May-09	02:57:00	54.8	58.2	47.1
28-May-09	03:02:00	51.7	54.2	46.1
28-May-09	03:07:00	47.8	49.5	45.4
28-May-09	03:12:00	51.4	54.9	46.1
28-May-09	03:17:00	51.7	54.9	46.1
28-May-09	03:22:00	50.3	53.8	46.0
28-May-09	03:27:00	51.5	54.5	46.0
28-May-09	03:32:00	47.6	49.0	45.1
28-May-09	03:37:00	55.0	57.8	46.6
28-May-09	03:42:00	51.3	54.4	46.3
28-May-09	03:47:00	56.1	57.6	46.3
28-May-09	03:52:00	51.0	55.2	46.0
28-May-09	03:57:00	51.4	52.6	46.3
28-May-09	04:02:00	51.8	55.1	46.8
28-May-09	04:07:00	49.1	51.7	45.9
28-May-09	04:12:00	50.9	54.1	45.8

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
28-May-09	04:17:00	52.5	53.0	46.0
28-May-09	04:22:00	51.1	54.0	46.1
28-May-09	04:27:00	49.7	52.4	46.1
28-May-09	04:32:00	47.4	48.4	45.9
28-May-09	04:37:00	51.1	54.0	46.6
28-May-09	04:42:00	46.7	47.6	45.7
28-May-09	04:47:00	51.6	55.2	46.4
28-May-09	04:52:00	52.7	55.6	47.1
28-May-09	04:57:00	54.4	57.4	48.2
28-May-09	05:02:00	52.7	56.2	47.2
28-May-09	05:07:00	51.6	54.5	47.1
28-May-09	05:12:00	58.6	61.9	50.2
28-May-09	05:17:00	56.2	60.2	48.9
28-May-09	05:22:00	57.4	60.4	49.3
28-May-09	05:27:00	54.5	57.8	48.8
28-May-09	05:32:00	54.3	57.8	47.9
28-May-09	05:37:00	55.5	58.7	48.9
28-May-09	05:42:00	53.3	57.1	47.7
28-May-09	05:47:00	52.9	56.0	48.5
28-May-09	05:52:00	60.5	62.9	48.5
28-May-09	05:57:00	52.4	55.4	47.9
28-May-09	06:02:00	54.4	57.8	48.1
28-May-09	06:07:00	52.6	56.7	47.3
28-May-09	06:12:00	55.7	58.5	49.0
28-May-09	06:17:00	63.6	65.6	49.5
28-May-09	06:22:00	55.6	58.8	49.4
28-May-09	06:27:00	59.1	63.3	49.9
28-May-09	06:32:00	55.7	58.9	50.3
28-May-09	06:37:00	64.3	67.3	52.3
28-May-09	06:42:00	55.5	58.4	51.0
28-May-09	06:47:00	56.5	59.4	50.5
28-May-09	06:52:00	62.3	65.9	53.0
28-May-09	06:57:00	57.0	60.0	51.9
28-May-09	23:02:00	63.7	65.8	52.1
28-May-09	23:07:00	55.6	58.4	50.4
28-May-09	23:12:00	56.5	59.9	49.7
28-May-09	23:17:00	55.3	59.0	50.1
28-May-09	23:22:00	58.5	60.8	51.2
28-May-09	23:27:00	61.7	63.9	51.5
28-May-09	23:32:00	55.0	56.9	49.9
28-May-09	23:37:00	53.9	57.1	49.3
28-May-09	23:42:00	55.5	58.9	50.0
28-May-09	23:47:00	63.7	67.7	49.8
28-May-09	23:52:00	53.4	56.9	48.9
28-May-09	23:57:00	55.9	59.4	49.5
	Mean	56.0	59.1	48.6
	Maximum	64.3	67.7	53.0
	Minimum	46.7	47.6	45.1

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
29-May-09	00:02:00	64.4	65.4	50.3
29-May-09	00:07:00	52.6	55.9	48.4
29-May-09	00:12:00	54.2	57.2	49.8
29-May-09	00:17:00	52.7	55.8	48.2
29-May-09	00:22:00	58.2	59.2	47.9
29-May-09	00:27:00	51.9	53.7	47.4
29-May-09	00:32:00	52.6	56.0	47.8
29-May-09	00:37:00	51.3	53.7	47.9
29-May-09	00:42:00	51.7	55.5	47.9
29-May-09	00:47:00	51.6	55.4	47.0
29-May-09	00:52:00	52.4	56.0	47.5
29-May-09	00:57:00	51.2	54.9	46.8
29-May-09	01:02:00	51.9	54.7	46.8
29-May-09	01:07:00	50.7	52.8	46.7
29-May-09	01:12:00	51.0	54.1	46.1
29-May-09	01:17:00	49.8	49.8	46.2
29-May-09	01:22:00	48.7	51.1	45.8
29-May-09	01:27:00	49.6	51.5	46.1
29-May-09	01:32:00	51.0	54.4	46.4
29-May-09	01:37:00	48.0	49.9	45.8
29-May-09	01:42:00	52.0	56.1	46.0
29-May-09	01:47:00	48.3	50.3	45.8
29-May-09	01:52:00	50.8	54.4	45.8
29-May-09	01:57:00	47.7	48.3	45.3
29-May-09	02:02:00	48.9	51.0	45.8
29-May-09	02:07:00	46.4	47.2	45.5
29-May-09	02:12:00	54.2	59.0	45.8
29-May-09	02:17:00	50.0	51.6	45.9
29-May-09	02:22:00	48.0	49.9	45.8
29-May-09	02:27:00	48.2	50.2	45.8
29-May-09	02:32:00	49.5	51.9	45.8
29-May-09	02:37:00	48.7	50.7	46.2
29-May-09	02:42:00	49.8	51.8	45.8
29-May-09	02:47:00	48.4	50.4	45.8
29-May-09	02:52:00	46.4	47.2	45.8
29-May-09	02:57:00	49.1	51.4	45.9
29-May-09	03:02:00	54.4	56.9	46.8
29-May-09	03:07:00	50.5	54.7	46.1
29-May-09	03:12:00	49.8	52.2	45.9
29-May-09	03:17:00	46.3	47.2	45.3
29-May-09	03:22:00	49.1	52.2	45.4
29-May-09	03:27:00	54.5	54.4	46.2
29-May-09	03:32:00	46.7	47.5	45.4
29-May-09	03:37:00	60.1	63.3	46.1
29-May-09	03:42:00	57.8	56.7	46.4
29-May-09	03:47:00	51.3	53.5	46.3
29-May-09	03:52:00	46.1	46.7	45.1
29-May-09	03:57:00	48.1	50.1	46.0
29-May-09	04:02:00	47.7	48.3	45.3
29-May-09	04:07:00	49.2	51.1	46.0
29-May-09	04:12:00	49.0	51.3	46.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
29-May-09	04:17:00	48.8	50.8	45.8
29-May-09	04:22:00	49.3	51.4	45.9
29-May-09	04:27:00	48.4	50.4	45.8
29-May-09	04:32:00	49.6	51.9	45.2
29-May-09	04:37:00	49.5	52.0	45.8
29-May-09	04:42:00	50.7	52.9	47.0
29-May-09	04:47:00	49.8	52.2	46.3
29-May-09	04:52:00	51.0	53.4	46.2
29-May-09	04:57:00	51.6	54.2	46.3
29-May-09	05:02:00	51.2	54.1	46.8
29-May-09	05:07:00	54.0	57.5	47.5
29-May-09	05:12:00	57.6	61.0	50.3
29-May-09	05:17:00	57.2	60.7	49.8
29-May-09	05:22:00	55.4	58.6	48.8
29-May-09	05:27:00	54.0	57.0	48.5
29-May-09	05:32:00	54.6	58.0	48.7
29-May-09	05:37:00	55.4	58.9	48.9
29-May-09	05:42:00	55.6	58.8	49.0
29-May-09	05:47:00	53.5	57.0	48.1
29-May-09	05:52:00	53.2	56.4	48.4
29-May-09	05:57:00	57.4	59.3	49.3
29-May-09	06:02:00	64.4	63.7	49.8
29-May-09	06:07:00	57.1	60.4	50.9
29-May-09	06:12:00	54.9	57.8	49.8
29-May-09	06:17:00	58.4	61.1	51.1
29-May-09	06:22:00	58.9	62.2	53.5
29-May-09	06:27:00	62.7	65.9	54.1
29-May-09	06:32:00	58.9	61.4	53.9
29-May-09	06:37:00	65.8	70.1	56.1
29-May-09	06:42:00	63.3	66.3	57.4
29-May-09	06:47:00	66.3	70.4	56.4
29-May-09	06:52:00	63.9	67.5	56.0
29-May-09	06:57:00	60.7	64.8	54.0
29-May-09	23:02:00	58.3	60.5	52.6
29-May-09	23:07:00	57.0	59.7	52.7
29-May-09	23:12:00	64.3	67.1	52.1
29-May-09	23:17:00	55.5	58.8	50.1
29-May-09	23:22:00	56.8	60.2	50.9
29-May-09	23:27:00	54.4	57.3	50.1
29-May-09	23:32:00	63.3	67.3	52.6
29-May-09	23:37:00	57.6	60.9	50.8
29-May-09	23:42:00	56.0	58.9	50.4
29-May-09	23:47:00	62.4	64.7	49.4
29-May-09	23:52:00	57.0	59.7	50.2
29-May-09	23:57:00	54.3	57.4	49.1
	Mean	56.9	59.9	49.4
	Maximum	66.3	70.4	57.4
	Minimum	46.1	46.7	45.1

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
30-May-09	00:02:00	53.8	56.7	49.1
30-May-09	00:07:00	51.9	54.6	48.4
30-May-09	00:12:00	65.6	69.4	51.1
30-May-09	00:17:00	59.0	60.1	49.0
30-May-09	00:22:00	52.5	55.0	48.3
30-May-09	00:27:00	52.4	56.0	47.9
30-May-09	00:32:00	52.6	55.1	48.7
30-May-09	00:37:00	51.9	53.6	47.4
30-May-09	00:42:00	51.5	54.0	47.9
30-May-09	00:47:00	51.6	55.0	48.1
30-May-09	00:52:00	50.5	53.7	47.3
30-May-09	00:57:00	51.7	55.9	47.3
30-May-09	01:02:00	50.4	52.8	47.3
30-May-09	01:07:00	51.3	55.1	47.1
30-May-09	01:12:00	53.0	56.6	47.9
30-May-09	01:17:00	51.6	55.0	47.5
30-May-09	01:22:00	52.2	55.7	47.1
30-May-09	01:27:00	50.9	53.9	47.5
30-May-09	01:32:00	49.2	50.8	47.2
30-May-09	01:37:00	48.7	49.4	46.9
30-May-09	01:42:00	51.5	54.0	47.0
30-May-09	01:47:00	51.0	51.8	47.2
30-May-09	01:52:00	51.7	53.7	47.4
30-May-09	01:57:00	50.7	53.3	47.0
30-May-09	02:02:00	52.5	55.6	47.3
30-May-09	02:07:00	49.7	52.1	47.0
30-May-09	02:12:00	51.0	54.3	47.0
30-May-09	02:17:00	48.9	50.6	47.1
30-May-09	02:22:00	50.8	53.2	47.0
30-May-09	02:27:00	48.8	49.0	46.9
30-May-09	02:32:00	48.9	51.2	46.9
30-May-09	02:37:00	50.9	53.6	47.0
30-May-09	02:42:00	50.1	51.9	47.1
30-May-09	02:47:00	49.1	50.5	47.0
30-May-09	02:52:00	53.9	57.6	47.1
30-May-09	02:57:00	51.0	53.6	47.1
30-May-09	03:02:00	48.8	49.1	46.8
30-May-09	03:07:00	48.5	49.5	46.8
30-May-09	03:12:00	49.9	51.2	47.1
30-May-09	03:17:00	52.1	57.1	46.8
30-May-09	03:22:00	50.0	52.6	46.6
30-May-09	03:27:00	47.8	48.7	46.7
30-May-09	03:32:00	48.6	50.2	46.9
30-May-09	03:37:00	58.8	57.9	47.1
30-May-09	03:42:00	48.4	49.7	47.0
30-May-09	03:47:00	48.2	48.8	46.5
30-May-09	03:52:00	48.1	48.6	46.8
30-May-09	03:57:00	48.9	50.6	46.8
30-May-09	04:02:00	48.8	50.0	46.8
30-May-09	04:07:00	50.3	53.2	46.9
30-May-09	04:12:00	49.9	52.5	46.7

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
30-May-09	04:17:00	50.1	53.4	46.5
30-May-09	04:22:00	49.6	52.0	46.9
30-May-09	04:27:00	49.3	52.5	46.2
30-May-09	04:32:00	48.9	48.8	46.8
30-May-09	04:37:00	49.0	48.8	46.6
30-May-09	04:42:00	47.6	48.5	46.8
30-May-09	04:47:00	48.0	48.7	46.9
30-May-09	04:52:00	48.7	50.2	46.9
30-May-09	04:57:00	50.6	53.3	47.0
30-May-09	05:02:00	50.4	52.1	47.8
30-May-09	05:07:00	51.6	53.2	48.0
30-May-09	05:12:00	55.0	58.8	48.8
30-May-09	05:17:00	58.7	61.7	50.9
30-May-09	05:22:00	58.6	62.4	50.5
30-May-09	05:27:00	55.6	58.7	50.7
30-May-09	05:32:00	54.0	57.0	48.9
30-May-09	05:37:00	52.7	55.6	48.9
30-May-09	05:42:00	53.1	56.5	48.4
30-May-09	05:47:00	55.3	58.4	50.3
30-May-09	05:52:00	54.3	57.5	49.4
30-May-09	05:57:00	59.6	59.9	49.3
30-May-09	06:02:00	53.6	57.0	48.9
30-May-09	06:07:00	54.4	57.0	49.7
30-May-09	06:12:00	56.6	58.7	50.3
30-May-09	06:17:00	63.8	67.3	52.9
30-May-09	06:22:00	59.5	61.7	54.5
30-May-09	06:27:00	58.6	62.0	52.8
30-May-09	06:32:00	61.4	65.5	53.5
30-May-09	06:37:00	61.7	64.5	55.2
30-May-09	06:42:00	64.1	67.3	57.1
30-May-09	06:47:00	61.2	64.6	56.2
30-May-09	06:52:00	66.4	71.1	57.3
30-May-09	06:57:00	62.9	66.0	57.8
30-May-09	23:02:00	57.3	59.7	52.8
30-May-09	23:07:00	56.0	58.4	52.3
30-May-09	23:12:00	63.0	65.1	51.2
30-May-09	23:17:00	56.8	59.6	51.8
30-May-09	23:22:00	55.5	58.3	51.4
30-May-09	23:27:00	57.3	60.7	51.9
30-May-09	23:32:00	60.8	65.6	52.3
30-May-09	23:37:00	62.5	66.3	51.0
30-May-09	23:42:00	55.6	58.1	51.2
30-May-09	23:47:00	61.8	63.3	52.3
30-May-09	23:52:00	56.9	59.3	52.3
30-May-09	23:57:00	57.1	59.6	52.1
	Mean	56.7	59.8	50.1
	Maximum	66.4	71.1	57.8
	Minimum	47.6	48.5	46.2



## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
31-May-09	00:02:00	60.5	62.4	51.9
31-May-09	00:07:00	62.5	64.4	51.1
31-May-09	00:12:00	56.8	60.2	49.8
31-May-09	00:17:00	51.7	54.1	48.8
31-May-09	00:22:00	52.8	55.7	49.0
31-May-09	00:27:00	52.5	55.1	49.0
31-May-09	00:32:00	53.5	56.8	49.3
31-May-09	00:37:00	51.8	53.6	48.8
31-May-09	00:42:00	53.5	57.2	49.0
31-May-09	00:47:00	52.7	54.9	48.5
31-May-09	00:52:00	51.6	55.1	48.1
31-May-09	00:57:00	50.6	52.6	47.9
31-May-09	01:02:00	54.4	56.5	48.1
31-May-09	01:07:00	52.3	55.8	48.0
31-May-09	01:12:00	53.6	55.7	48.0
31-May-09	01:17:00	51.6	54.9	47.9
31-May-09	01:22:00	51.4	52.8	47.9
31-May-09	01:27:00	49.5	50.5	47.9
31-May-09	01:32:00	51.3	54.2	47.8
31-May-09	01:37:00	58.6	58.4	48.3
31-May-09	01:42:00	49.4	50.9	47.5
31-May-09	01:47:00	51.9	55.1	47.6
31-May-09	01:52:00	53.3	55.5	47.8
31-May-09	01:57:00	49.9	52.2	47.3
31-May-09	02:02:00	50.1	52.6	47.5
31-May-09	02:07:00	53.4	56.6	47.8
31-May-09	02:12:00	49.3	51.0	47.1
31-May-09	02:17:00	49.6	50.1	47.2
31-May-09	02:22:00	50.2	52.6	47.9
31-May-09	02:27:00	50.4	52.7	47.8
31-May-09	02:32:00	50.0	51.3	48.0
31-May-09	02:37:00	49.3	50.2	47.5
31-May-09	02:42:00	54.6	54.1	47.8
31-May-09	02:47:00	49.7	50.4	47.8
31-May-09	02:52:00	49.5	50.7	47.8
31-May-09	02:57:00	49.4	51.1	46.8
31-May-09	03:02:00	50.8	53.2	47.8
31-May-09	03:07:00	53.1	56.6	48.0
31-May-09	03:12:00	54.5	58.8	47.8
31-May-09	03:17:00	55.9	58.0	47.5
31-May-09	03:22:00	48.7	49.6	47.3
31-May-09	03:27:00	48.9	50.2	47.3
31-May-09	03:32:00	48.6	49.7	47.0
31-May-09	03:37:00	49.7	52.0	46.9
31-May-09	03:42:00	48.3	49.2	47.1
31-May-09	03:47:00	48.7	49.6	47.3
31-May-09	03:52:00	48.5	49.1	46.8
31-May-09	03:57:00	48.7	49.4	46.9
31-May-09	04:02:00	49.8	51.9	47.2
31-May-09	04:07:00	48.9	50.2	47.7
31-May-09	04:12:00	50.0	51.3	47.0

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
31-May-09	04:17:00	48.9	49.2	47.2
31-May-09	04:22:00	47.9	48.6	46.9
31-May-09	04:27:00	53.7	51.0	47.1
31-May-09	04:32:00	49.3	50.7	46.9
31-May-09	04:37:00	50.3	52.3	47.0
31-May-09	04:42:00	52.0	55.7	47.3
31-May-09	04:47:00	50.3	50.8	46.8
31-May-09	04:52:00	50.3	51.9	47.4
31-May-09	04:57:00	49.3	51.1	47.1
31-May-09	05:02:00	52.8	52.9	47.2
31-May-09	05:07:00	51.9	54.4	47.8
31-May-09	05:12:00	51.4	54.0	47.4
31-May-09	05:17:00	55.0	58.2	49.5
31-May-09	05:22:00	58.9	61.8	51.0
31-May-09	05:27:00	56.4	59.8	50.3
31-May-09	05:32:00	57.4	60.1	51.8
31-May-09	05:37:00	55.9	58.7	50.4
31-May-09	05:42:00	55.2	58.2	50.0
31-May-09	05:47:00	55.8	59.4	50.4
31-May-09	05:52:00	55.3	58.7	49.7
31-May-09	05:57:00	56.5	59.4	52.1
31-May-09	06:02:00	55.2	58.4	49.9
31-May-09	06:07:00	53.3	56.0	49.5
31-May-09	06:12:00	56.5	59.3	49.6
31-May-09	06:17:00	62.6	65.5	52.2
31-May-09	06:22:00	62.9	66.2	54.4
31-May-09	06:27:00	58.0	60.3	53.4
31-May-09	06:32:00	60.4	64.0	55.0
31-May-09	06:37:00	63.1	65.7	55.9
31-May-09	06:42:00	65.4	67.7	57.1
31-May-09	06:47:00	60.2	62.9	55.8
31-May-09	06:52:00	66.9	70.5	57.6
31-May-09	06:57:00	62.6	66.2	56.2
31-May-09	23:02:00	57.1	60.5	52.1
31-May-09	23:07:00	58.0	60.3	52.1
31-May-09	23:12:00	56.0	58.9	52.1
31-May-09	23:17:00	61.4	62.6	52.9
31-May-09	23:22:00	58.6	61.2	52.2
31-May-09	23:27:00	56.4	59.6	50.4
31-May-09	23:32:00	61.9	65.4	52.9
31-May-09	23:37:00	56.9	59.6	53.0
31-May-09	23:42:00	60.6	63.5	51.7
31-May-09	23:47:00	62.7	63.2	52.9
31-May-09	23:52:00	58.0	59.0	54.0
31-May-09	23:57:00	56.7	58.9	53.9
	Mean	56.8	59.5	50.5
	Maximum	66.9	70.5	57.6
	Minimum	47.9	48.6	46.8

## Appendix B4

### Night Time Noise Level at Villa Veneto (NC19)

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
1-Jun-09	00:02:00	59.8	60.8	54.8
1-Jun-09	00:07:00	58.6	60.3	55.9
1-Jun-09	00:12:00	62.6	65.2	55.2
1-Jun-09	00:17:00	58.8	61.6	55.9
1-Jun-09	00:22:00	62.1	63.2	57.0
1-Jun-09	00:27:00	60.1	62.7	57.0
1-Jun-09	00:32:00	62.0	63.9	59.6
1-Jun-09	00:37:00	60.0	63.6	55.1
1-Jun-09	00:42:00	57.1	59.6	54.4
1-Jun-09	00:47:00	59.3	61.9	56.1
1-Jun-09	00:52:00	64.4	67.0	59.6
1-Jun-09	00:57:00	69.8	71.3	67.5
1-Jun-09	01:02:00	78.5	71.5	67.8
1-Jun-09	01:07:00	63.6	65.3	61.9
1-Jun-09	01:12:00	60.1	61.7	58.1
1-Jun-09	01:17:00	57.8	59.8	54.9
1-Jun-09	01:22:00	54.9	56.0	53.9
1-Jun-09	01:27:00	55.5	57.6	52.4
1-Jun-09	01:32:00	54.5	56.7	52.1
1-Jun-09	01:37:00	54.9	56.4	51.8
1-Jun-09	01:42:00	57.2	59.6	52.9
1-Jun-09	01:47:00	53.5	55.2	51.5
1-Jun-09	01:52:00	53.8	56.4	51.1
1-Jun-09	01:57:00	52.8	55.1	50.9
1-Jun-09	02:02:00	60.7	58.4	52.3
1-Jun-09	02:07:00	54.9	57.2	51.2
1-Jun-09	02:12:00	52.7	53.9	49.9
1-Jun-09	02:17:00	52.5	54.6	50.1
1-Jun-09	02:22:00	52.7	55.1	50.1
1-Jun-09	02:27:00	52.4	54.4	49.2
1-Jun-09	02:32:00	52.4	55.2	49.3
1-Jun-09	02:37:00	49.3	50.0	48.6
1-Jun-09	02:42:00	56.1	55.4	49.2
1-Jun-09	02:47:00	57.3	60.2	51.8
1-Jun-09	02:52:00	50.8	51.6	49.9
1-Jun-09	02:57:00	53.7	57.5	49.3
1-Jun-09	03:02:00	49.8	50.7	48.9
1-Jun-09	03:07:00	52.6	54.9	50.1
1-Jun-09	03:12:00	60.9	64.0	50.2
1-Jun-09	03:17:00	63.1	66.2	56.8
1-Jun-09	03:22:00	54.8	56.7	52.3
1-Jun-09	03:27:00	52.8	54.0	50.0
1-Jun-09	03:32:00	51.1	52.5	49.8
1-Jun-09	03:37:00	54.4	57.9	49.1
1-Jun-09	03:42:00	51.9	53.4	49.8
1-Jun-09	03:47:00	57.8	59.7	50.0
1-Jun-09	03:52:00	51.8	53.2	49.2
1-Jun-09	03:57:00	51.2	52.3	48.8
1-Jun-09	04:02:00	52.1	54.9	49.0
1-Jun-09	04:07:00	51.7	54.7	48.3
1-Jun-09	04:12:00	50.7	53.2	48.2

Date	Time	Noise Level for 5-min, dB(A)		
		Leq	L10	L90
1-Jun-09	04:17:00	52.3	54.0	48.0
1-Jun-09	04:22:00	49.9	51.2	47.9
1-Jun-09	04:27:00	48.6	49.5	47.8
1-Jun-09	04:32:00	48.3	49.1	47.6
1-Jun-09	04:37:00	49.4	50.4	47.9
1-Jun-09	04:42:00	49.6	49.8	47.5
1-Jun-09	04:47:00	50.5	53.0	48.0
1-Jun-09	04:52:00	52.0	53.9	49.0
1-Jun-09	04:57:00	51.8	54.3	49.1
1-Jun-09	05:02:00	53.5	55.6	49.8
1-Jun-09	05:07:00	52.1	54.8	48.9
1-Jun-09	05:12:00	51.2	53.6	49.1
1-Jun-09	05:17:00	53.0	55.4	49.9
1-Jun-09	05:22:00	54.4	56.4	50.1
1-Jun-09	05:27:00	57.9	61.3	49.5
1-Jun-09	05:32:00	55.9	58.4	50.5
1-Jun-09	05:37:00	53.5	55.4	49.8
1-Jun-09	05:42:00	55.6	58.7	50.5
1-Jun-09	05:47:00	55.9	58.2	50.2
1-Jun-09	05:52:00	55.9	59.0	50.5
1-Jun-09	05:57:00	55.0	58.4	49.9
1-Jun-09	06:02:00	55.0	58.5	49.7
1-Jun-09	06:07:00	55.2	58.1	50.1
1-Jun-09	06:12:00	61.6	63.5	52.5
1-Jun-09	06:17:00	57.6	60.1	52.9
1-Jun-09	06:22:00	63.0	66.7	53.3
1-Jun-09	06:27:00	57.6	60.4	52.9
1-Jun-09	06:32:00	60.3	63.0	54.1
1-Jun-09	06:37:00	63.8	66.2	54.2
1-Jun-09	06:42:00	64.2	67.3	57.5
1-Jun-09	06:47:00	62.2	66.8	55.4
1-Jun-09	06:52:00	67.0	70.1	57.8
1-Jun-09	06:57:00	63.4	67.7	54.9
1-Jun-09	23:02:00	57.3	60.4	51.8
1-Jun-09	23:07:00	57.3	59.8	52.5
1-Jun-09	23:12:00	63.6	64.5	54.0
1-Jun-09	23:17:00	57.6	60.9	52.5
1-Jun-09	23:22:00	57.7	59.9	53.0
1-Jun-09	23:27:00	55.3	58.3	50.8
1-Jun-09	23:32:00	63.2	66.6	53.0
1-Jun-09	23:37:00	56.6	59.2	50.3
1-Jun-09	23:42:00	56.3	60.1	50.1
1-Jun-09	23:47:00	64.1	65.9	51.6
1-Jun-09	23:52:00	57.5	59.1	51.0
1-Jun-09	23:57:00	55.4	58.1	52.1
	Mean	61.8	61.9	55.1
	Maximum	78.5	71.5	67.8
	Minimum	48.3	49.1	47.5

Summary of Night Time Noise Level at Villa Veneto (NC19)			
	Leq	L10	L90
Mean	57.4	59.9	50.8
Max	78.5	71.7	67.8
Min	46.1	46.7	43.8

---

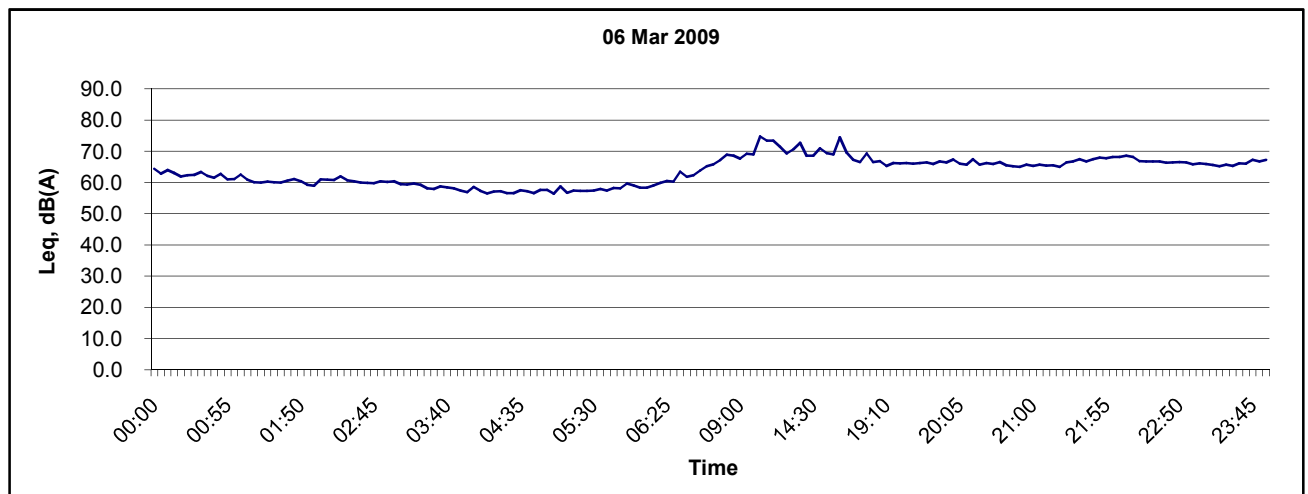
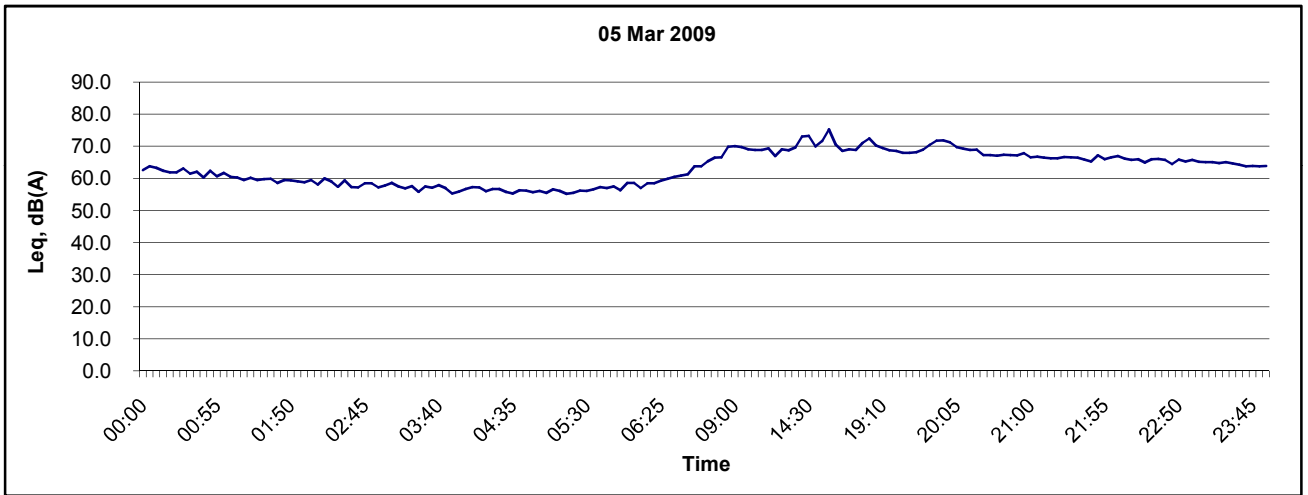
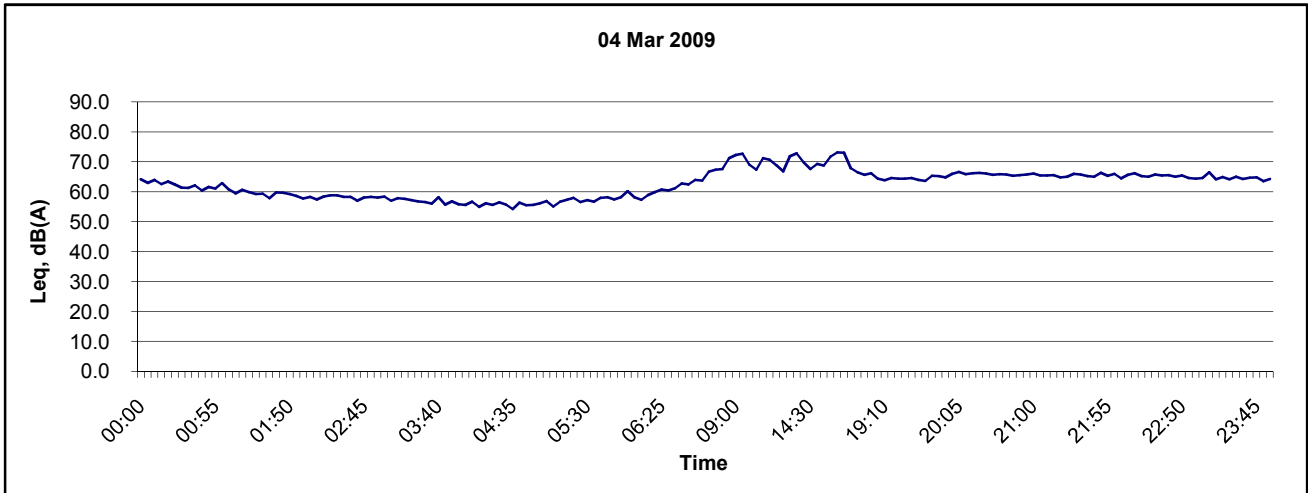
---

**APPENDIX C  
GRAPHICAL PRESENTATION OF  
BASELINE NOISE LEVELS**

---

---

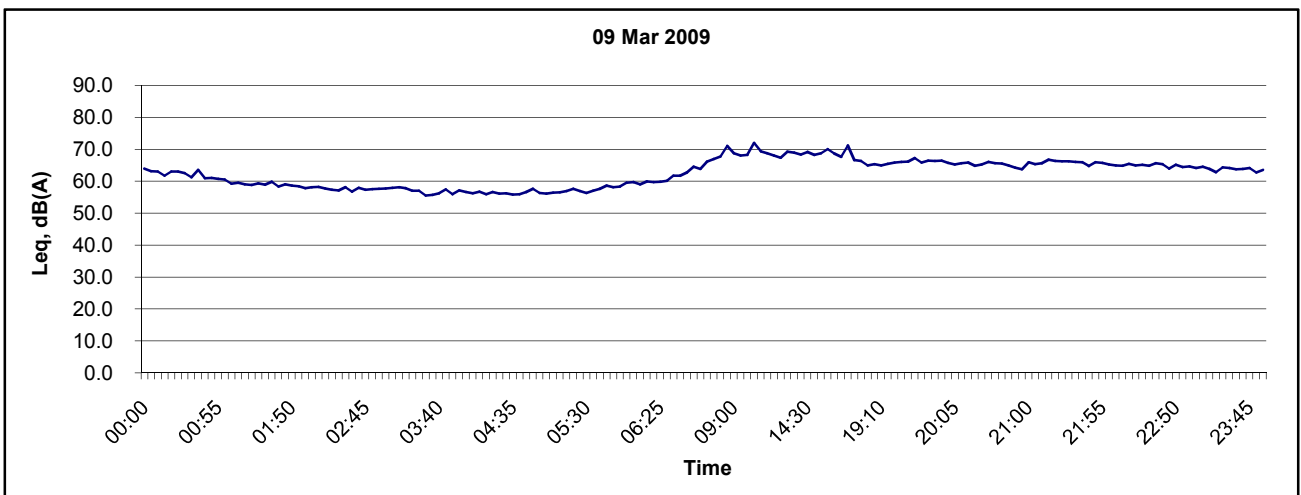
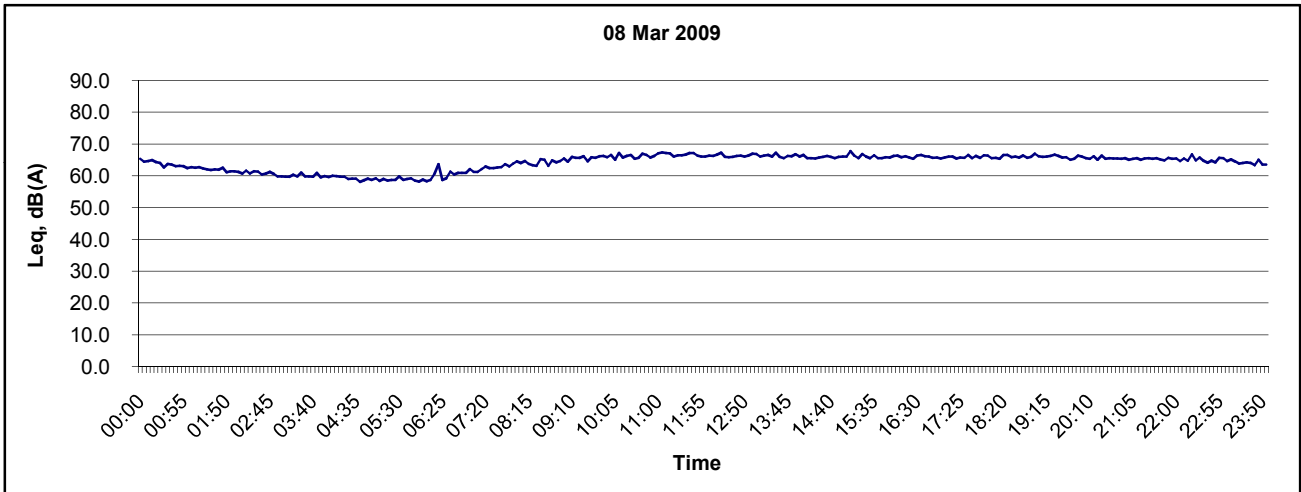
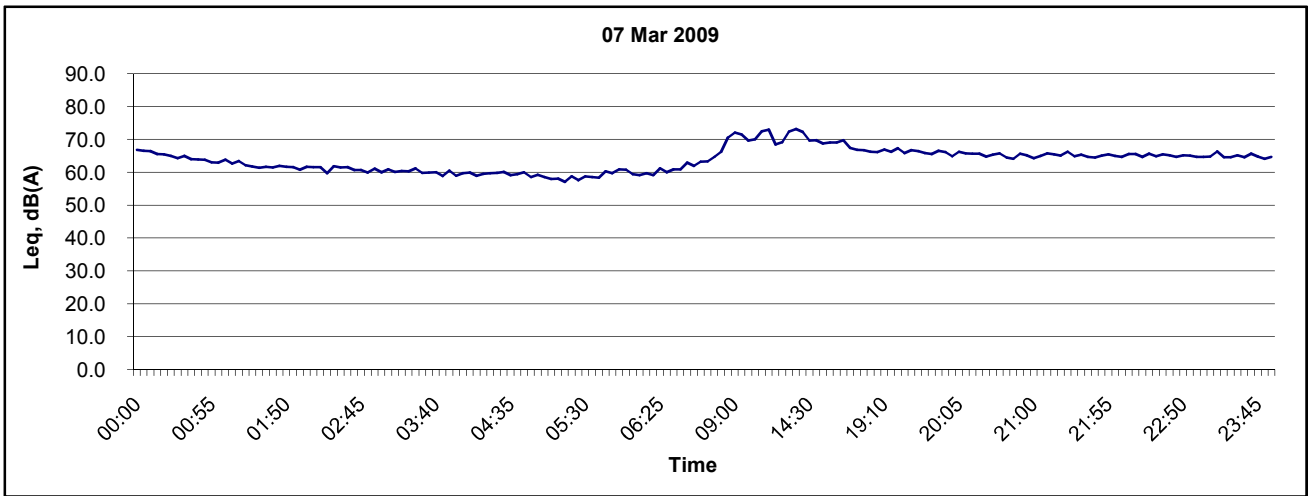
## Noise Level at Raimondi College (NC16)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Raimondi College (NC16)	Scale	N.T.S	Project No.	MA 8001
	Date	Mar 09	Appendix	C

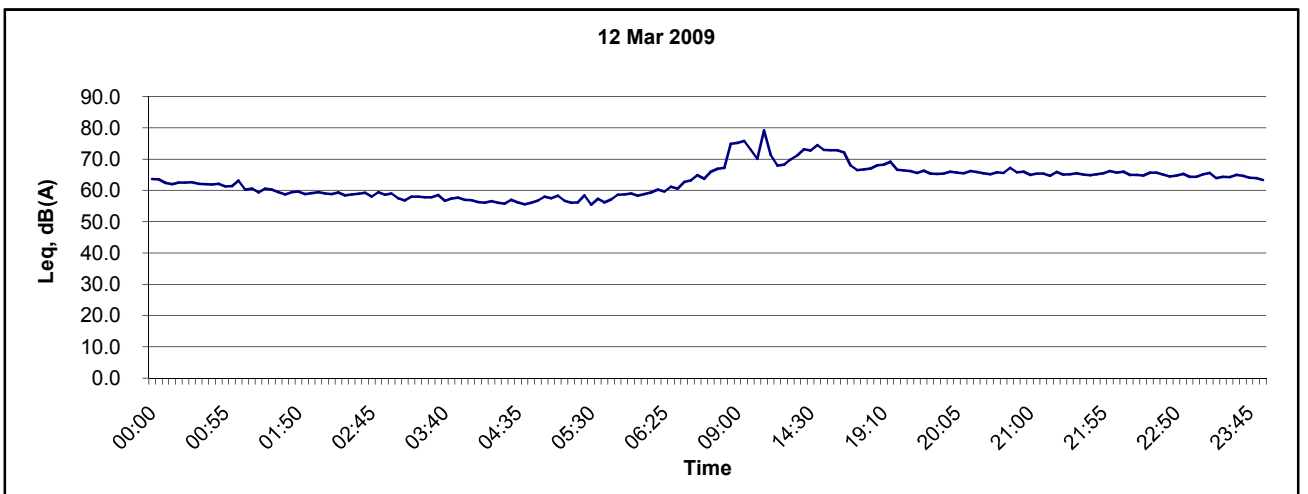
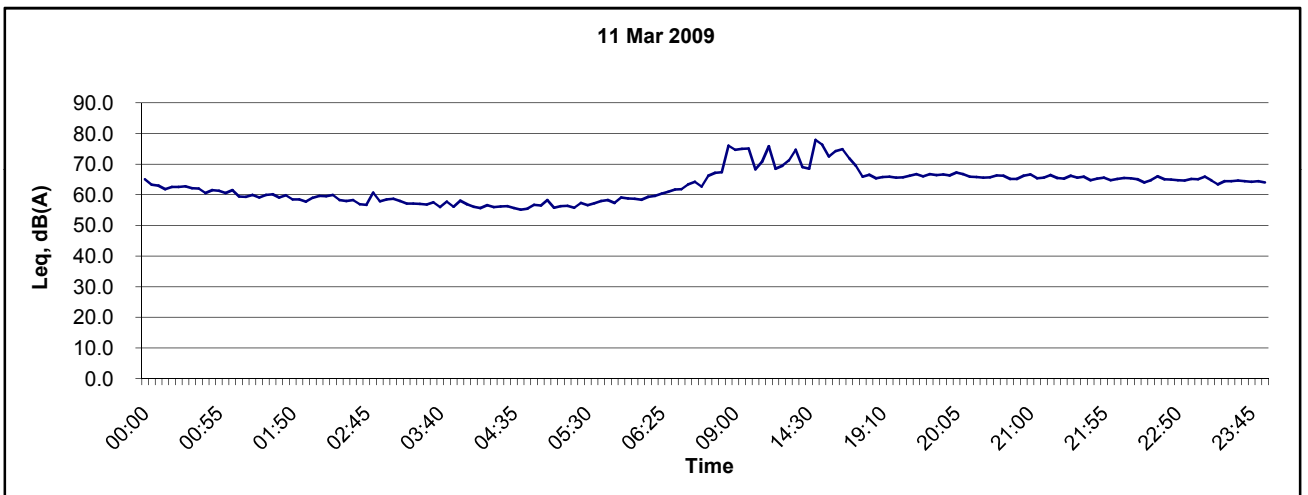
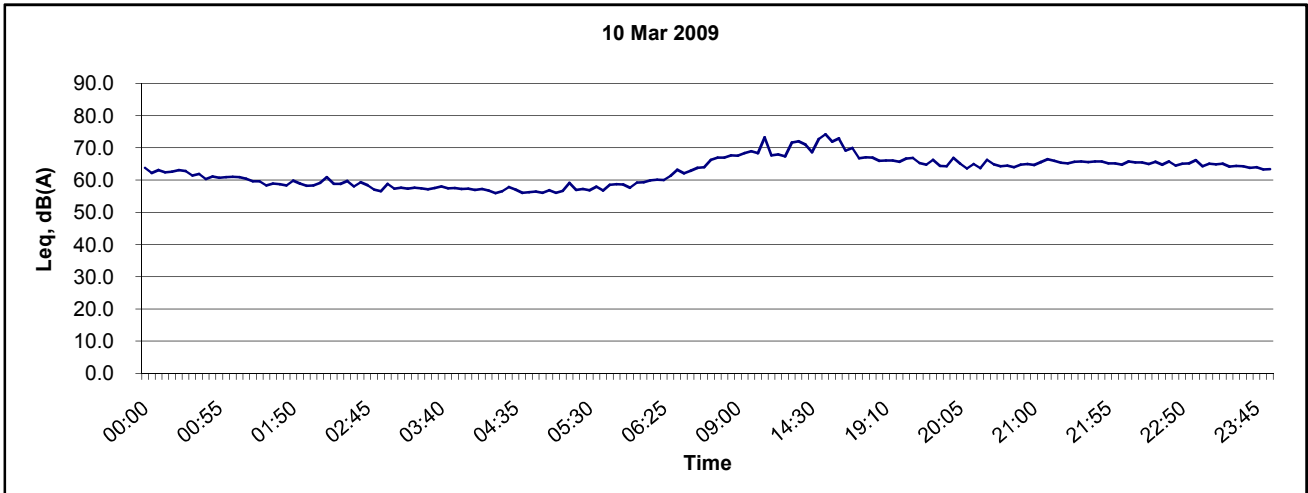
CINOTECH

## Noise Level at Raimondi College (NC16)



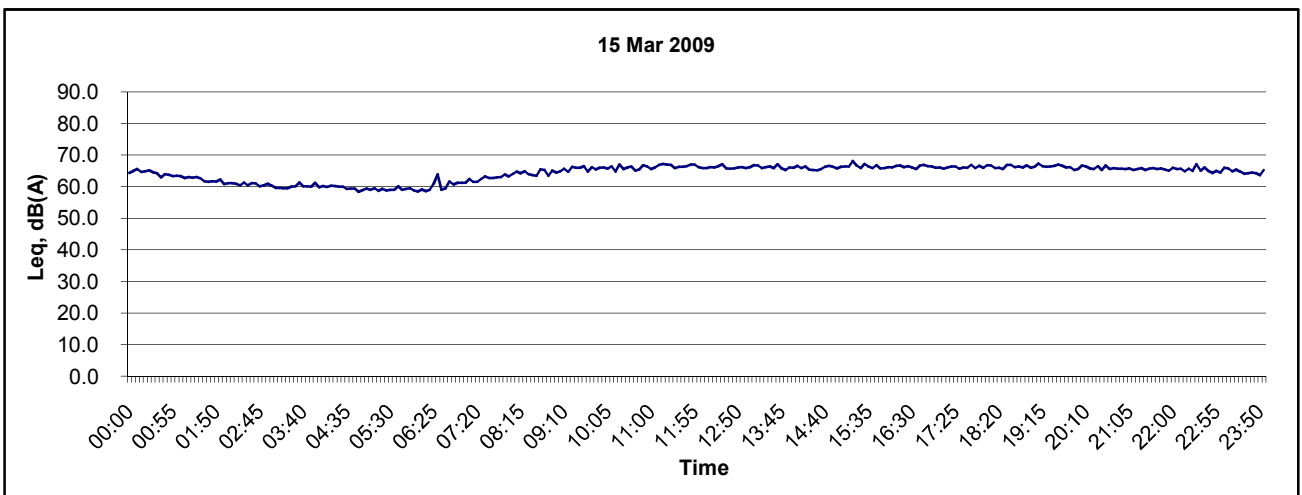
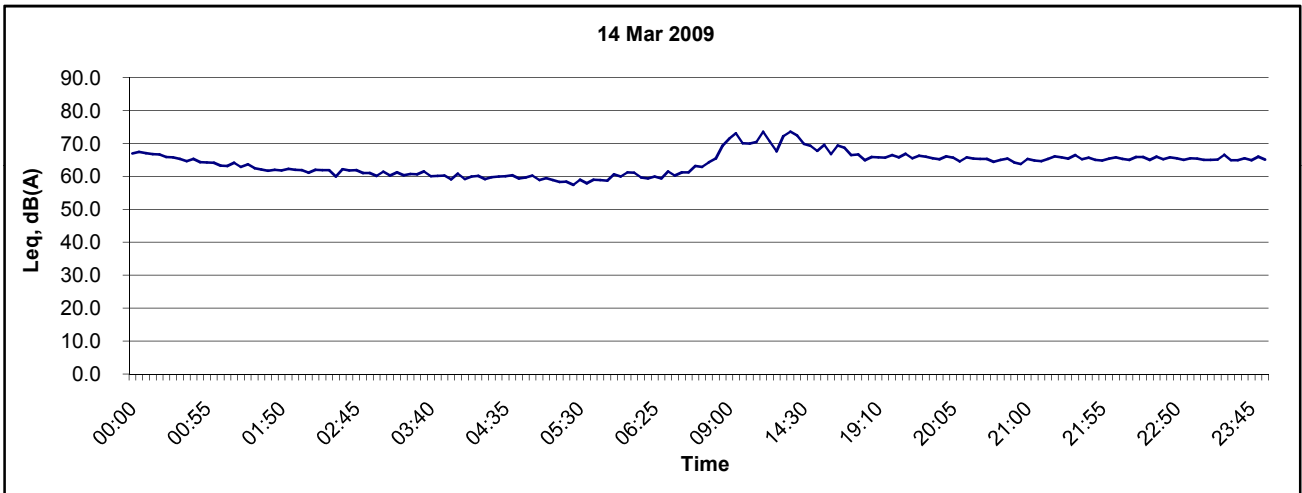
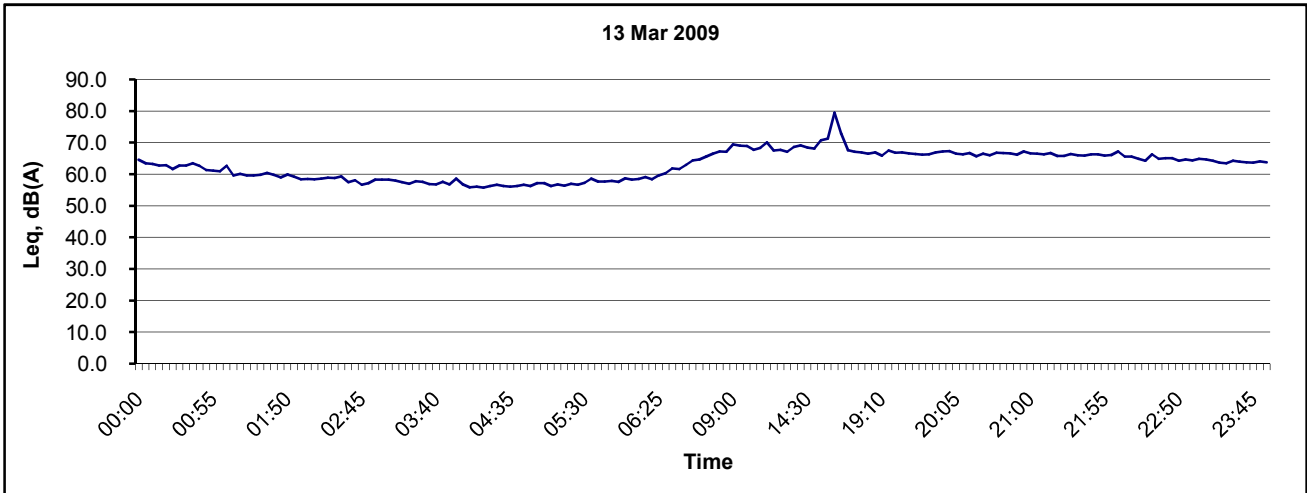
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Raimondi College (NC16)	Scale	N.T.S	Project No.	MA 8001	CINOTECH
	Date	Mar 09	Appendix	C	

## Noise Level at Raimondi College (NC16)



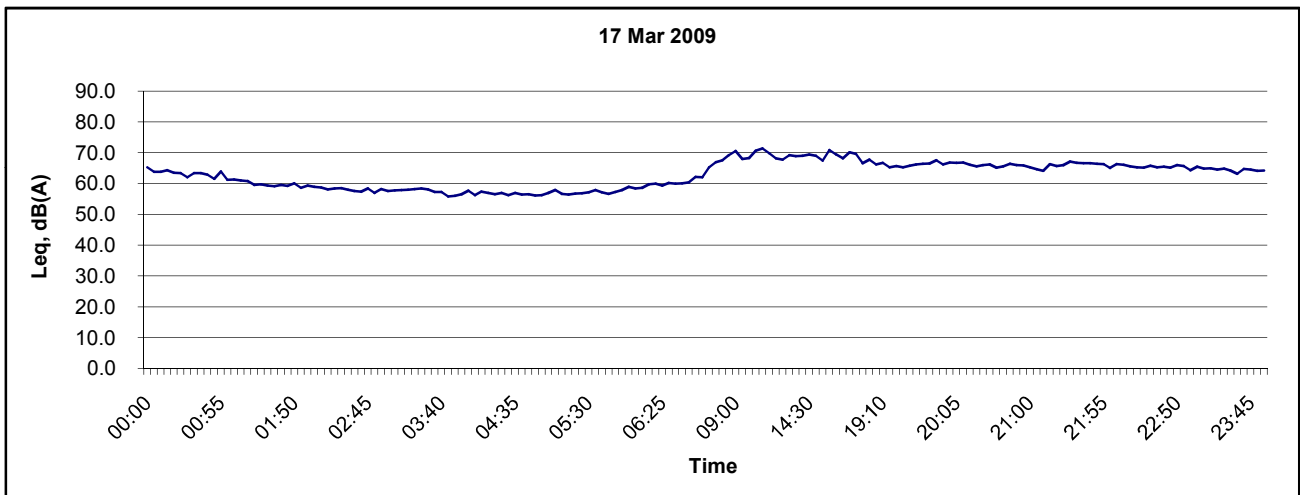
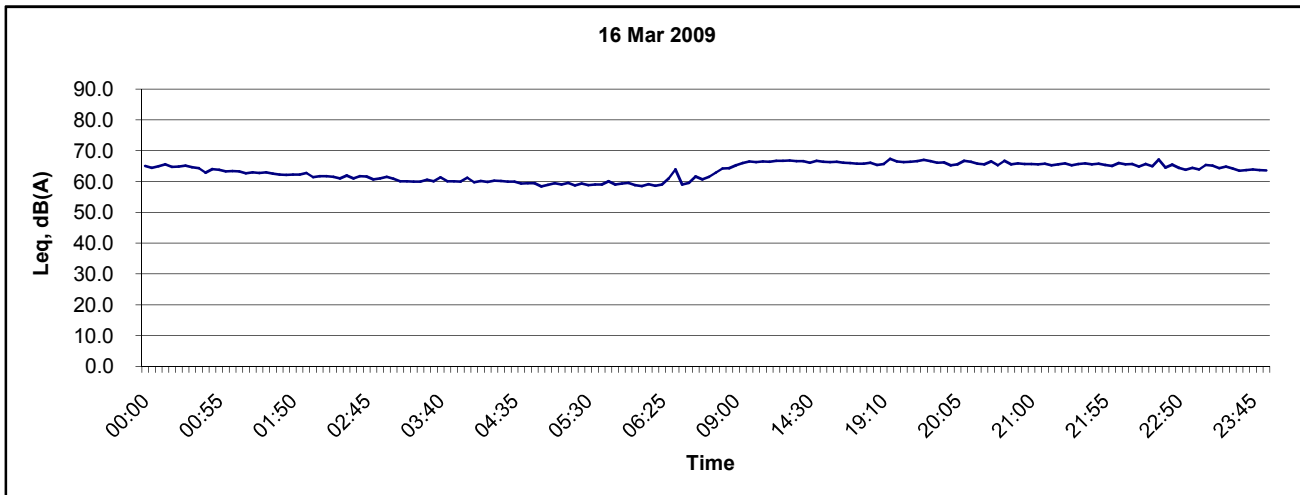
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Raimondi College (NC16)	Scale N.T.S	Project No. MA 8001	<b>CINOTECH</b>
	Date Mar 09	Appendix C	

## Noise Level at Raimondi College (NC16)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Raimondi College (NC16)	Scale N.T.S	Project No. MA 8001	<b>CINOTECH</b>
	Date Mar 09	Appendix C	

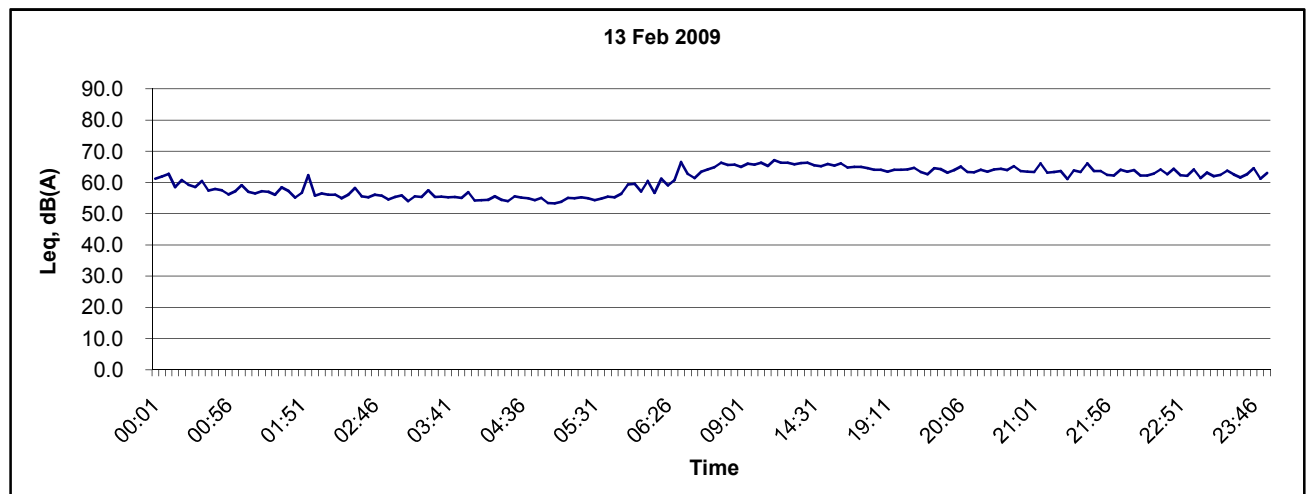
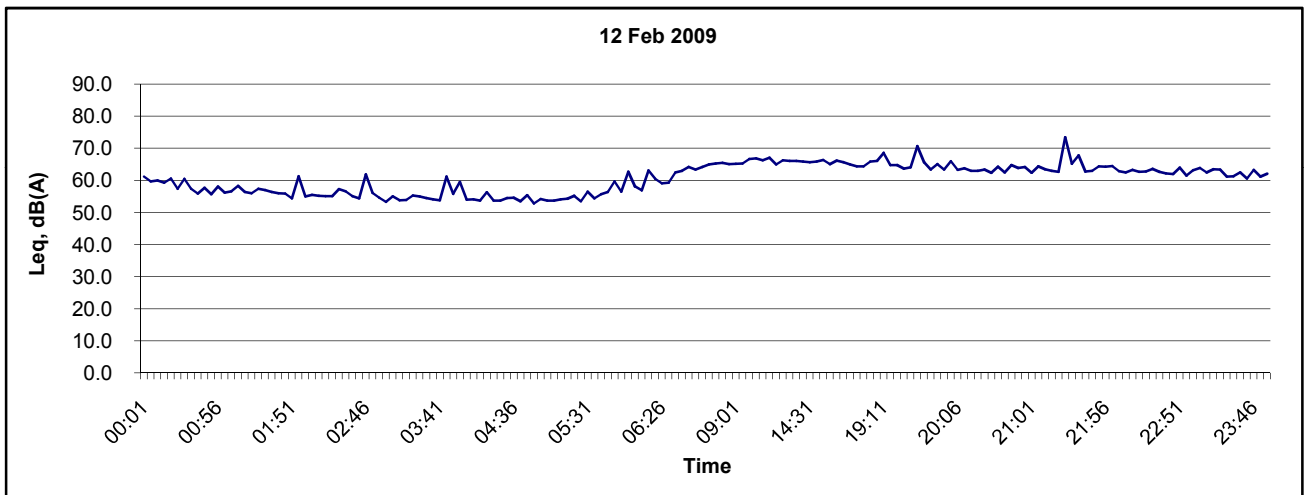
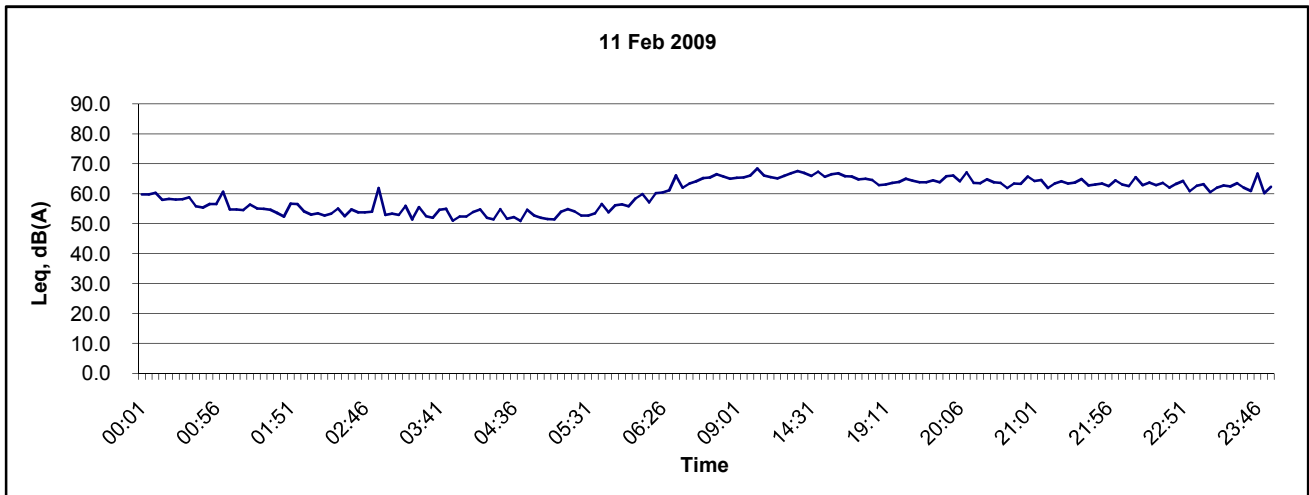
## Noise Level at Raimondi College (NC16)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Raimondi College (NC16)	Scale	N.T.S	Project No.	MA 8001	CINOTECH
	Date	Mar 09	Appendix	C	

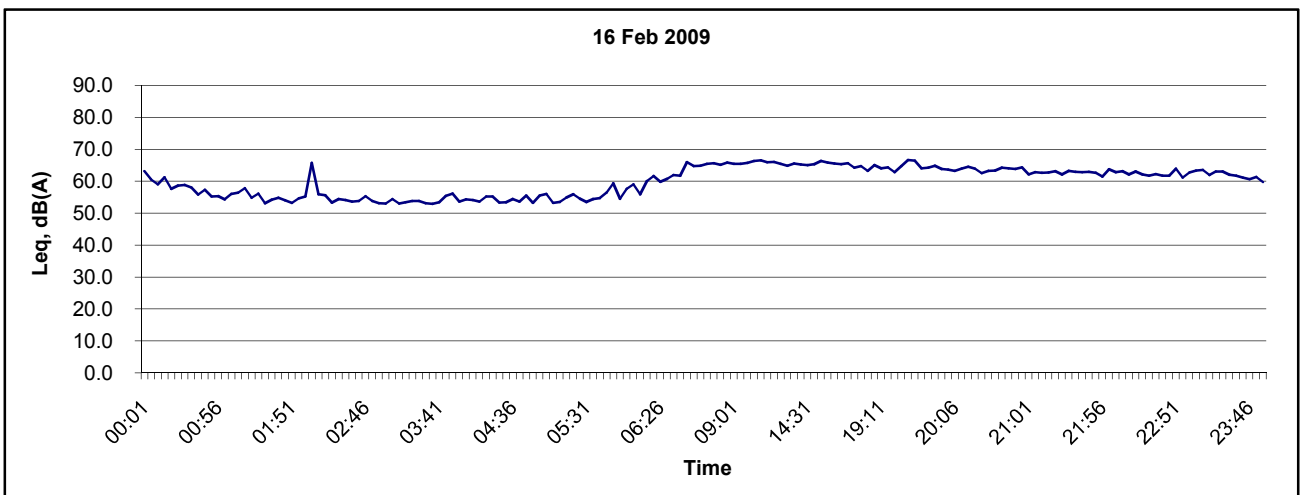
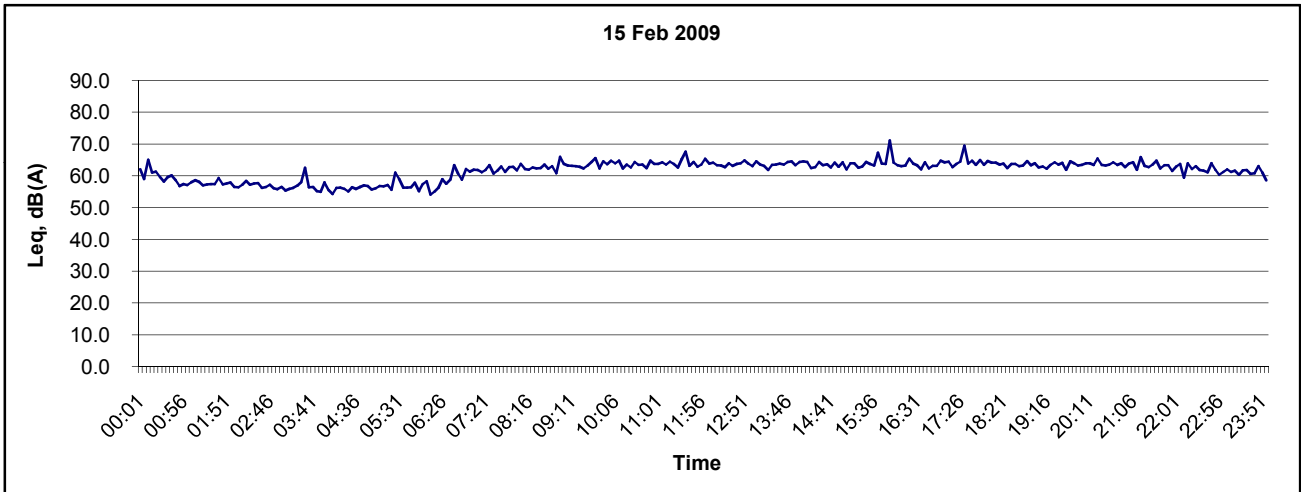
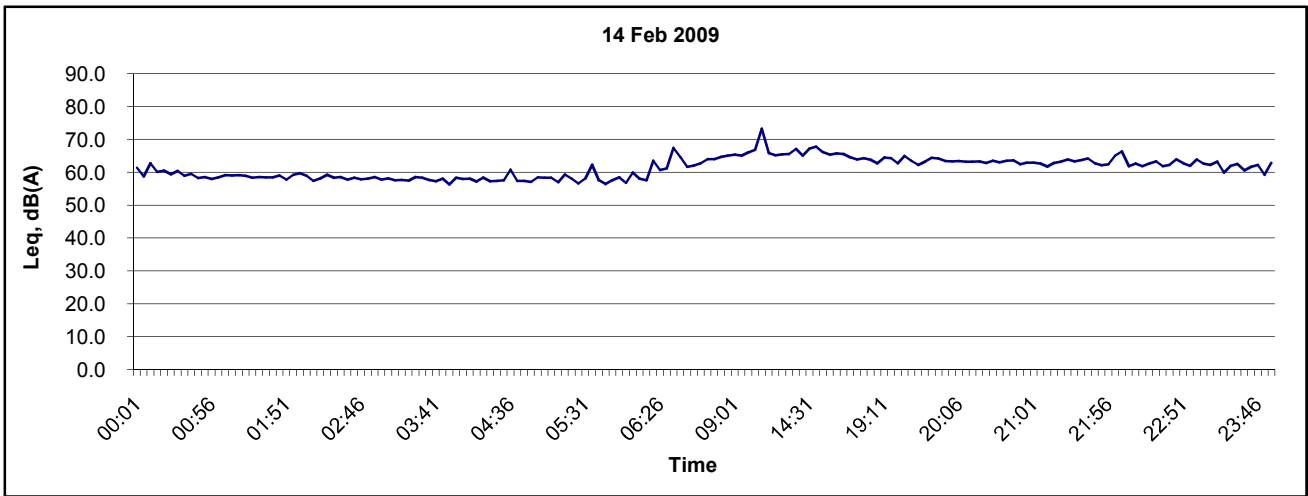


## Noise Level at Hong Kong Institute of Technology (NC17)



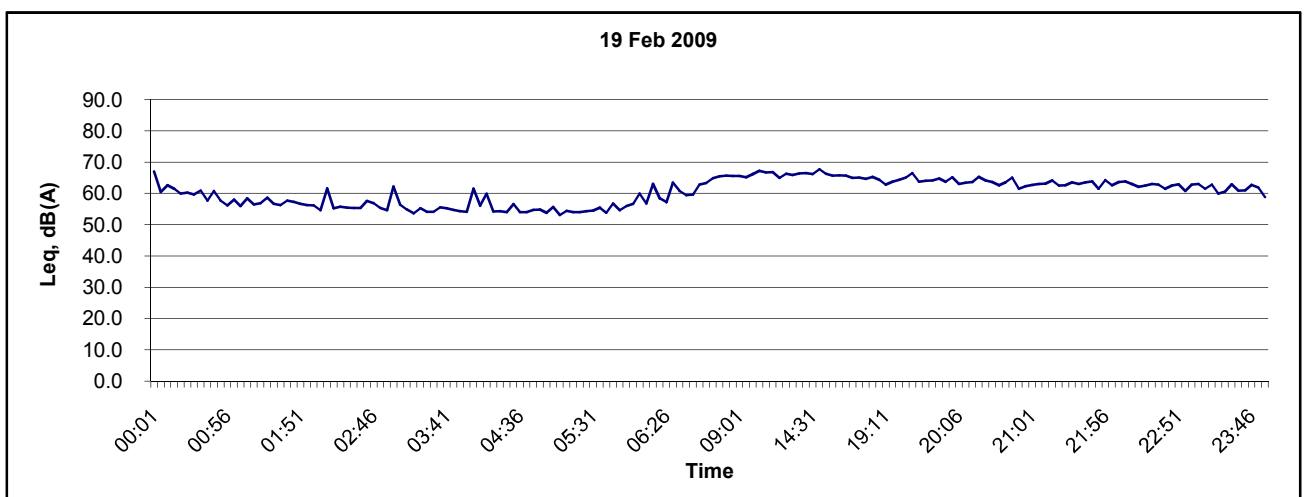
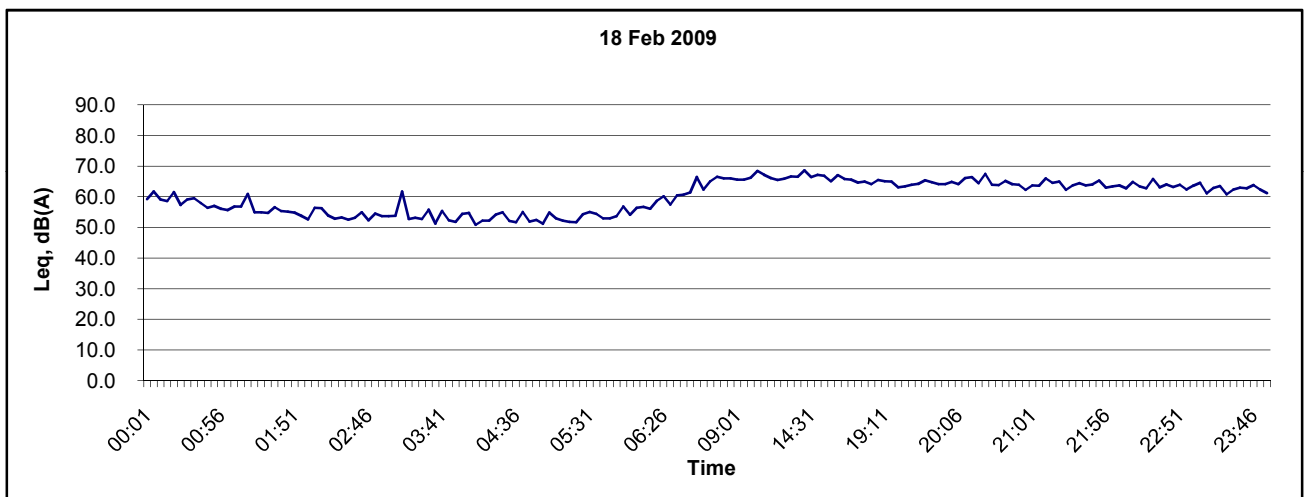
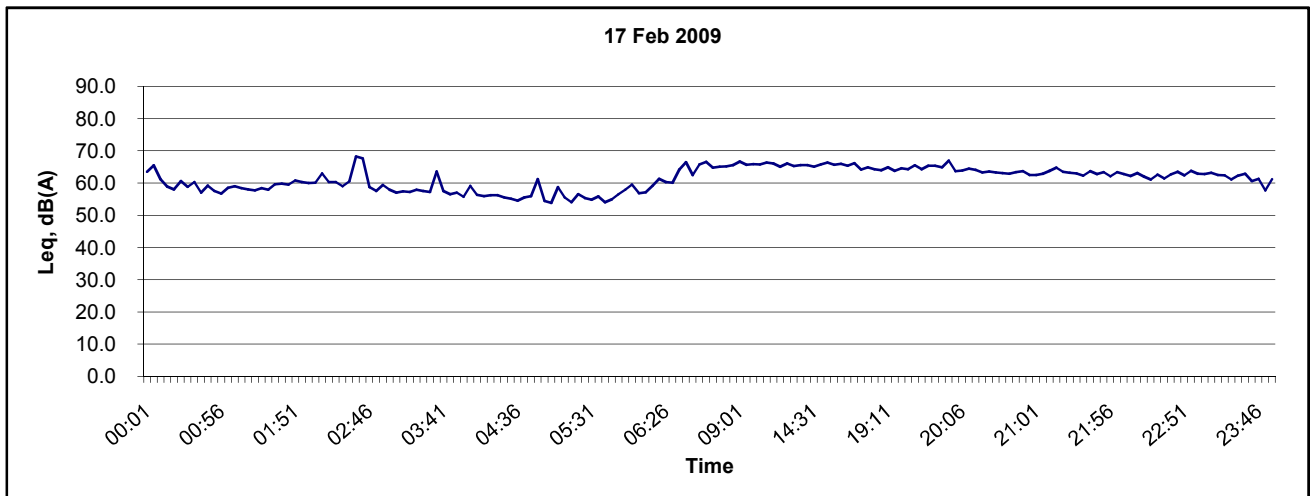
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Hong Kong Institute of Technology (NC17)	Scale N.T.S	Project No. MA 8001	
	Date Feb 09	Appendix C	

## Noise Level at Hong Kong Institute of Technology (NC17)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Hong Kong Institute of Technology (NC17)	Scale N.T.S	Project No. MA 8001	
	Date Feb 09	Appendix C	

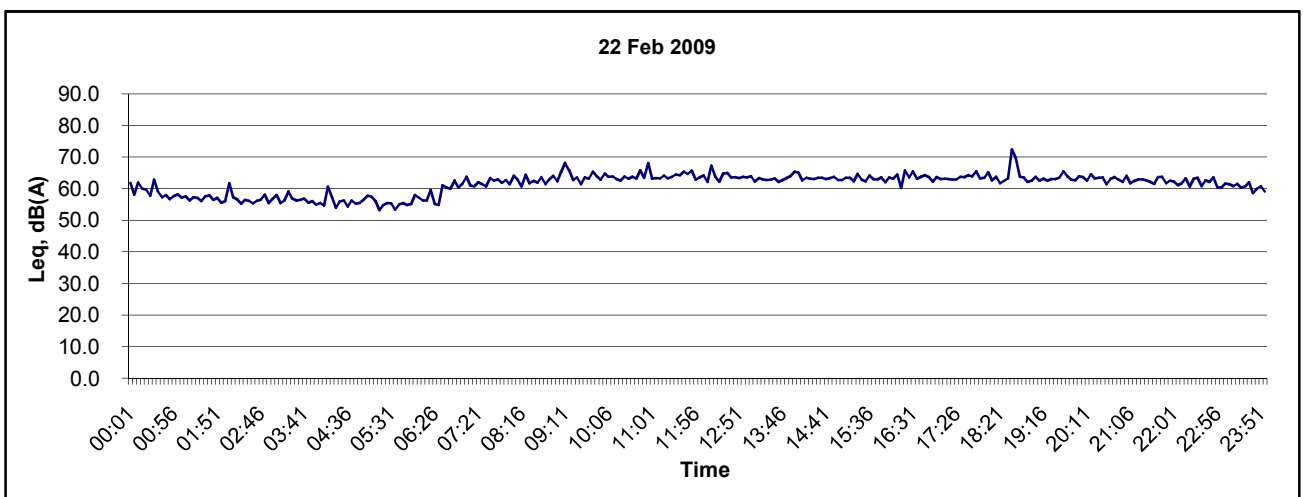
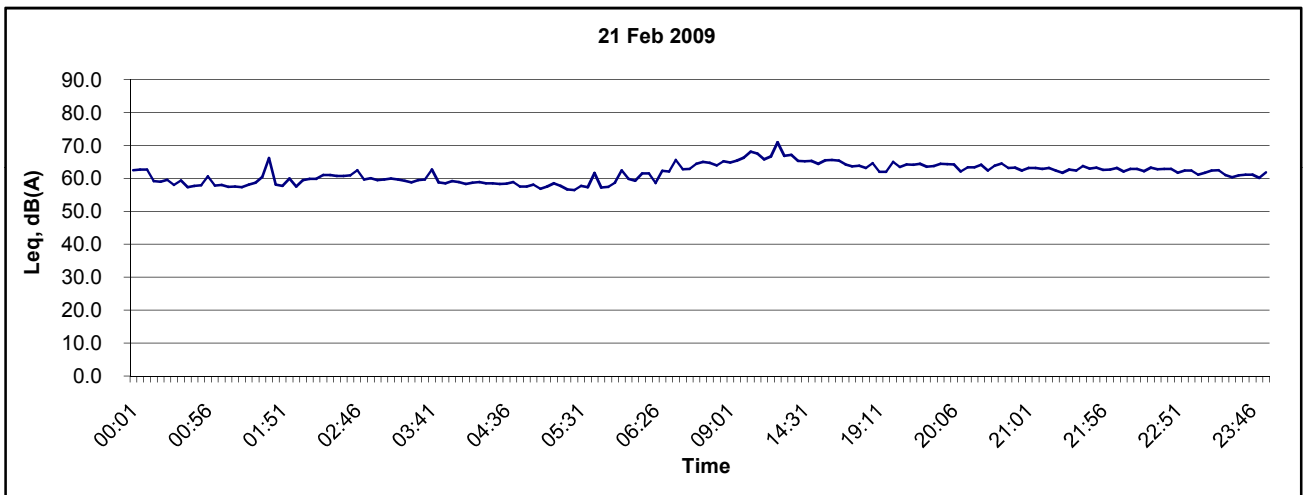
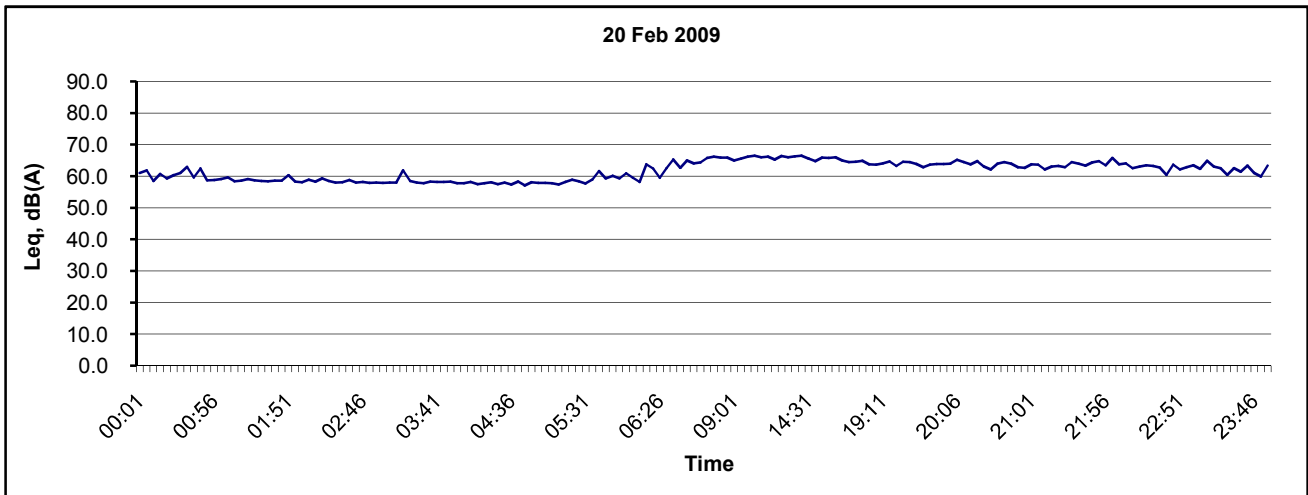
## Noise Level at Hong Kong Institute of Technology (NC17)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Hong Kong Institute of Technology (NC17)	Scale	N.T.S	Project No.	MA 8001
	Date	Feb 09	Appendix	C



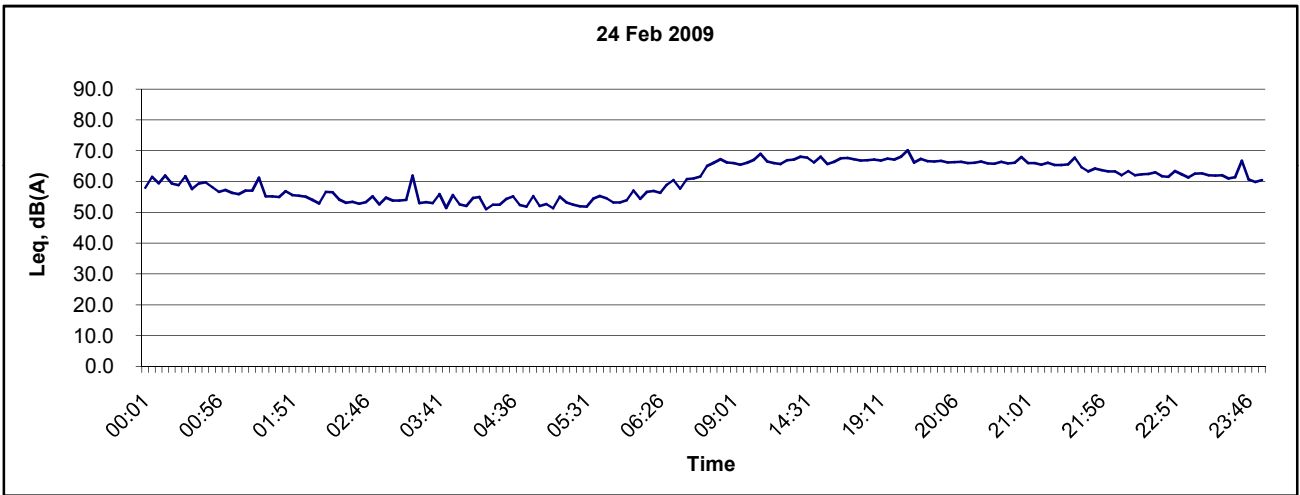
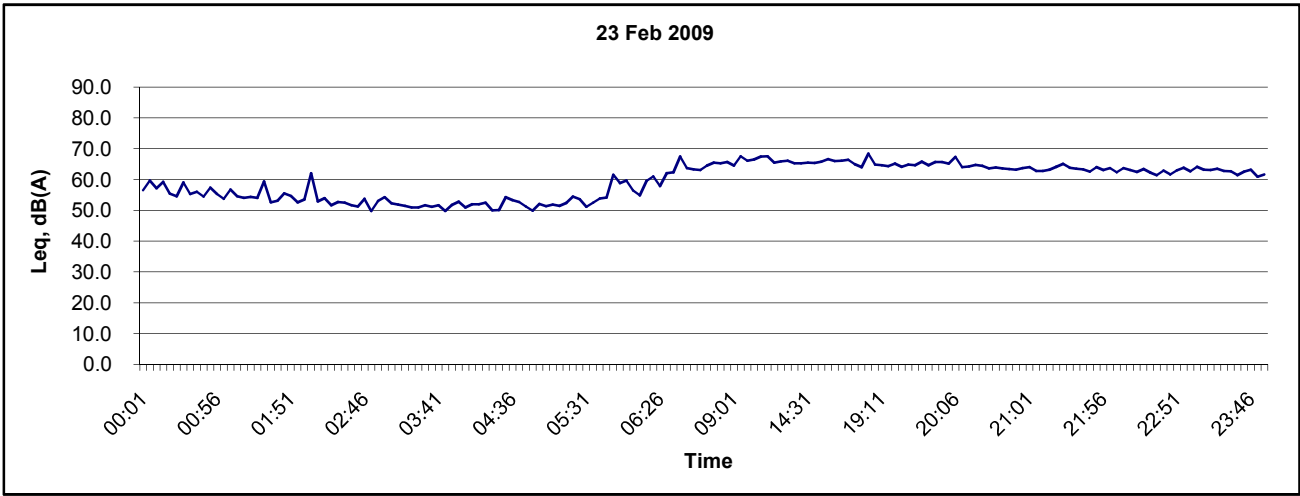
## Noise Level at Hong Kong Institute of Technology (NC17)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Hong Kong Institute of Technology (NC17)	Scale	N.T.S	Project No.	MA 8001
	Date	Feb 09	Appendix	C

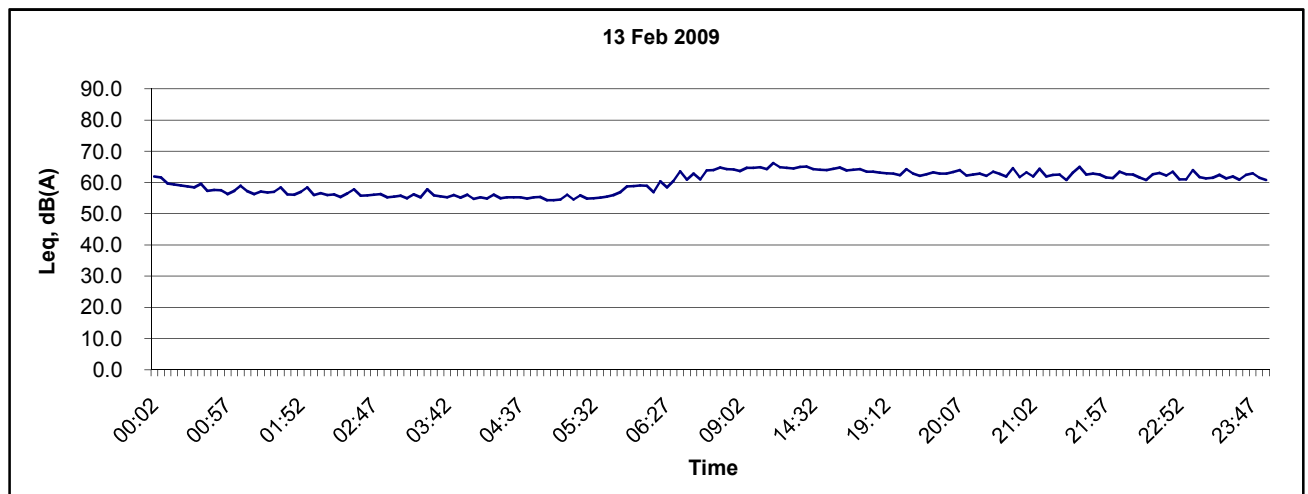
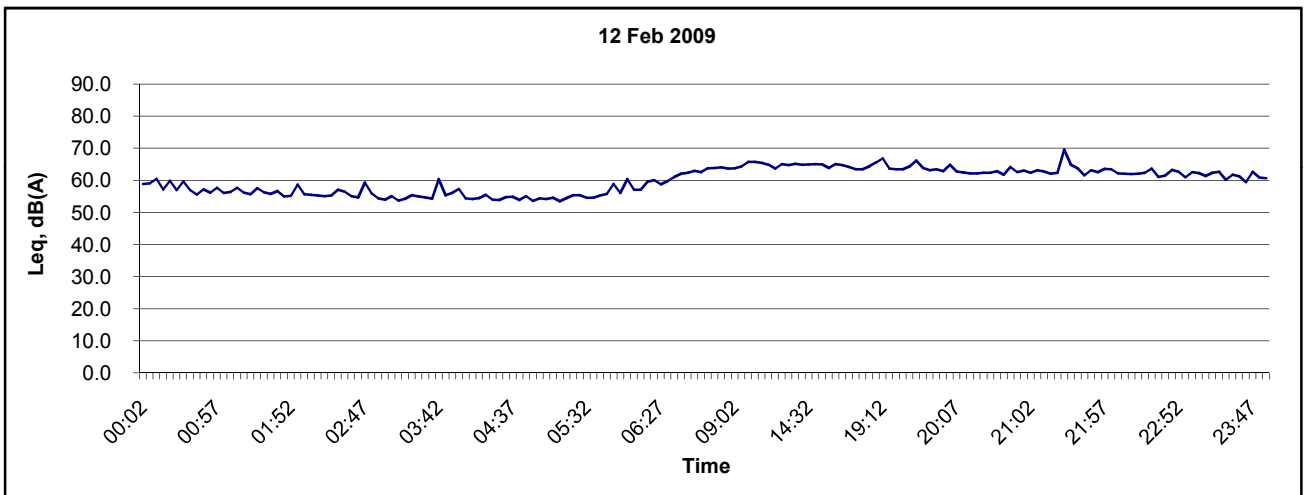
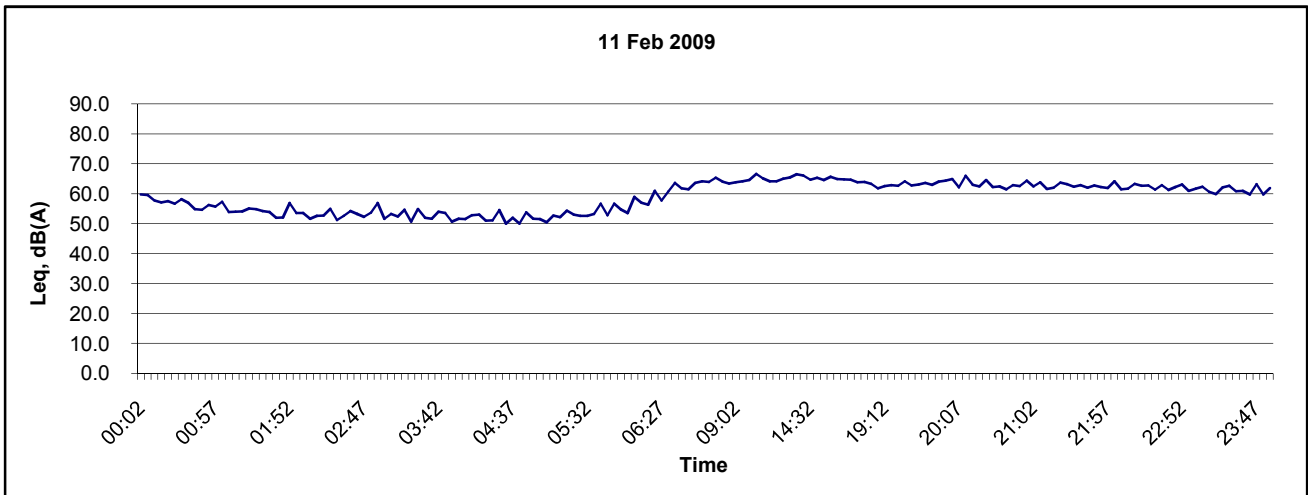


## Noise Level at Hong Kong Institute of Technology (NC17)



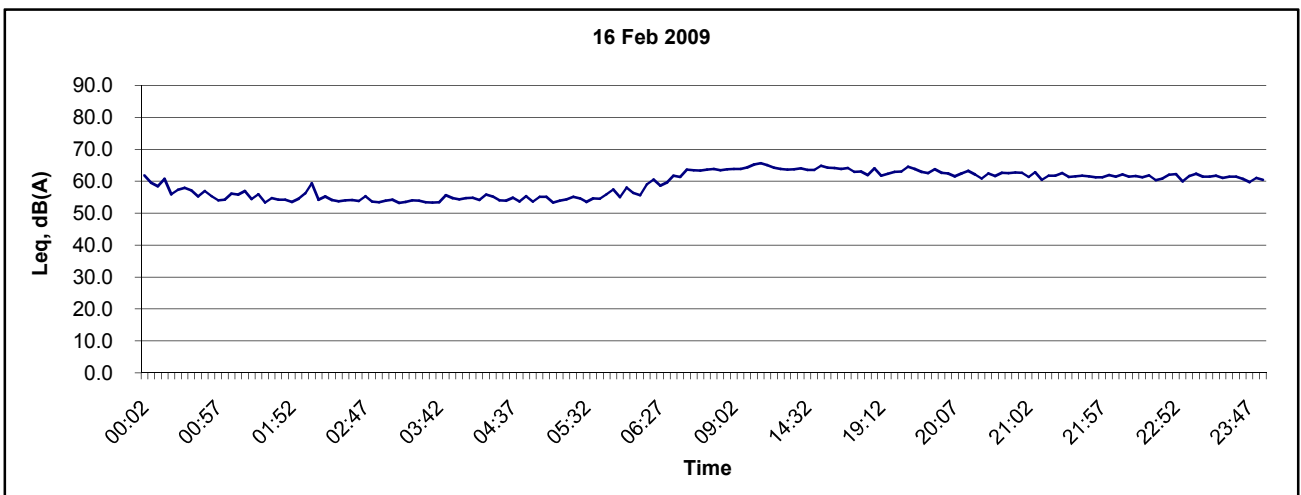
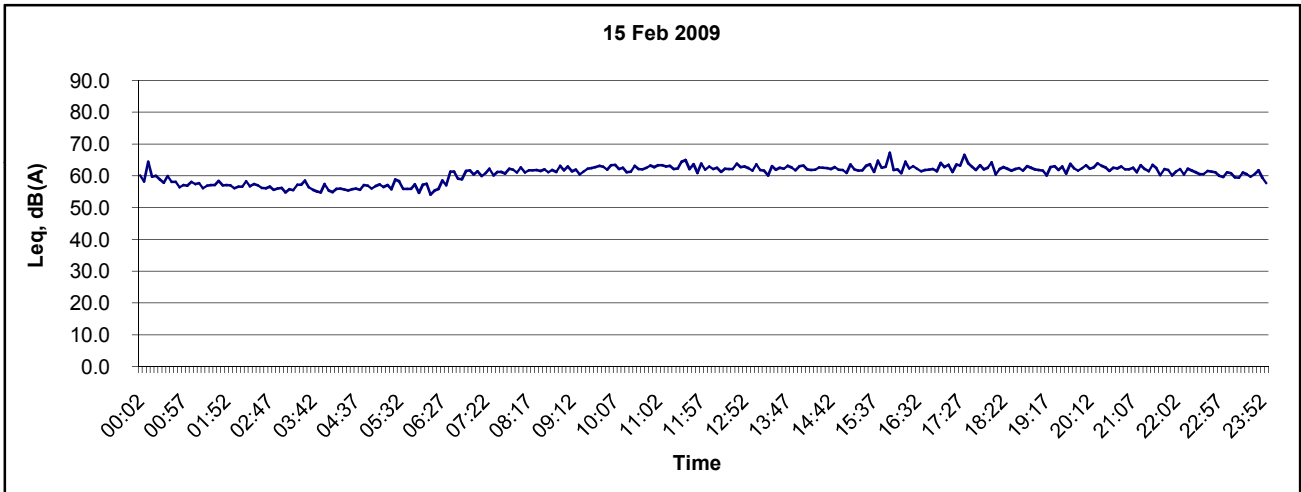
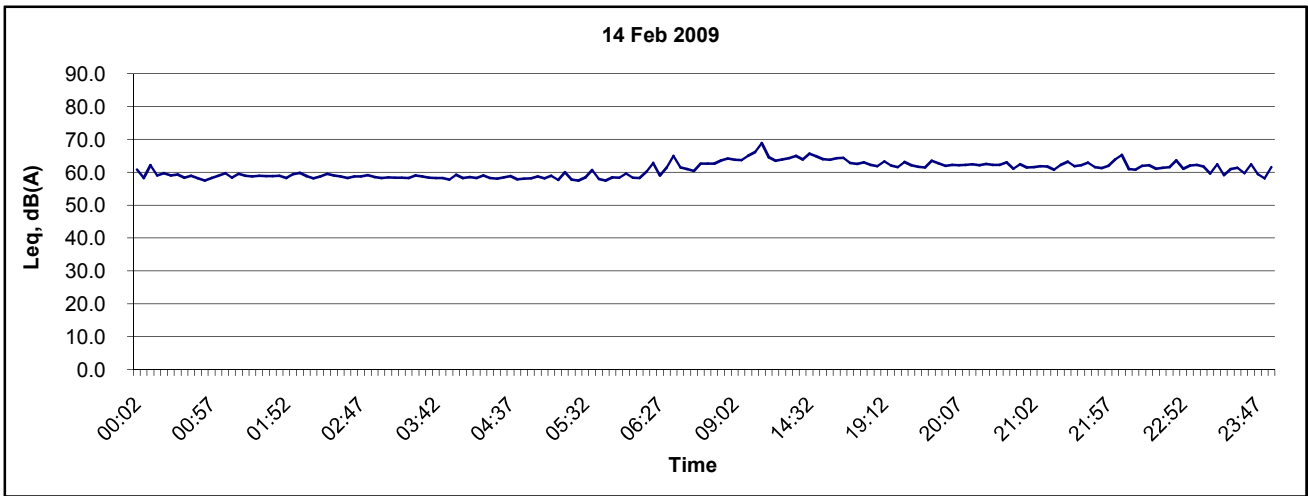
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Hong Kong Institute of Technology (NC17)	Scale N.T.S	Project No. MA 8001	CINOTECH
	Date Feb 09	Appendix C	

## Noise Level at Blk A, 80 Robinson Road (NC18)



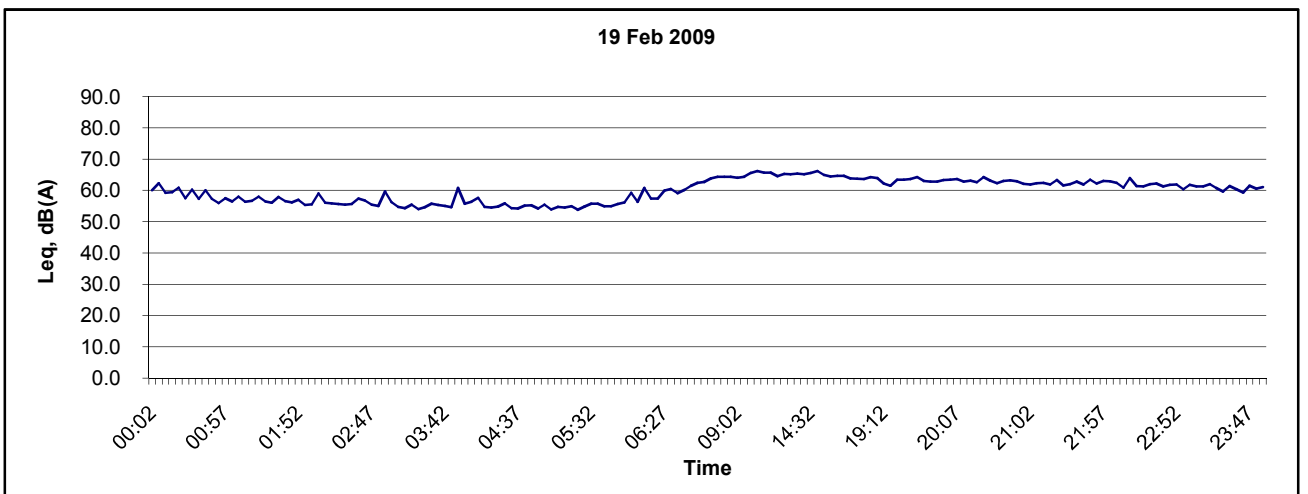
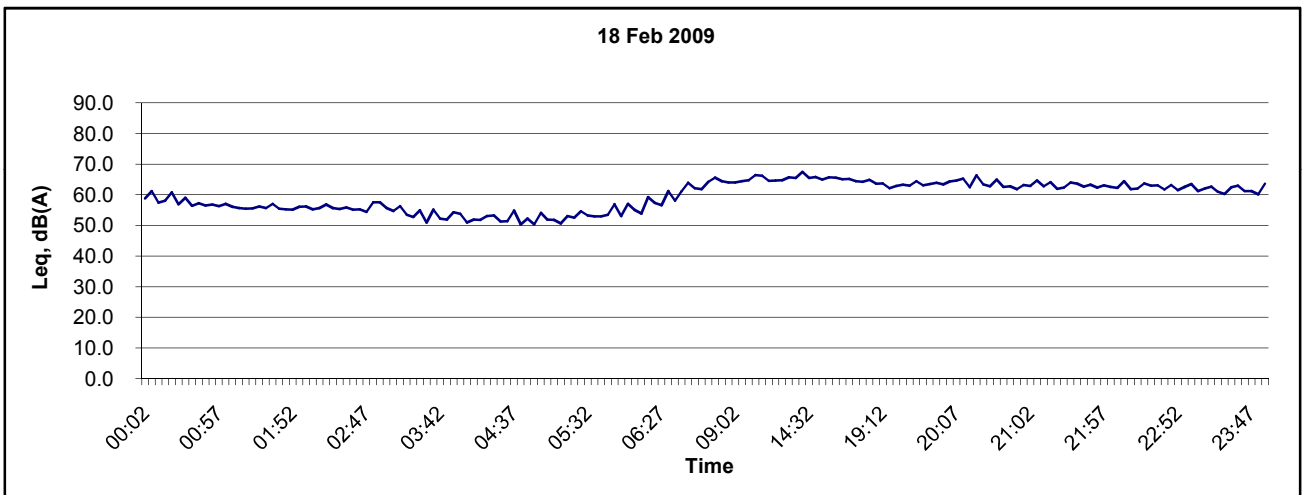
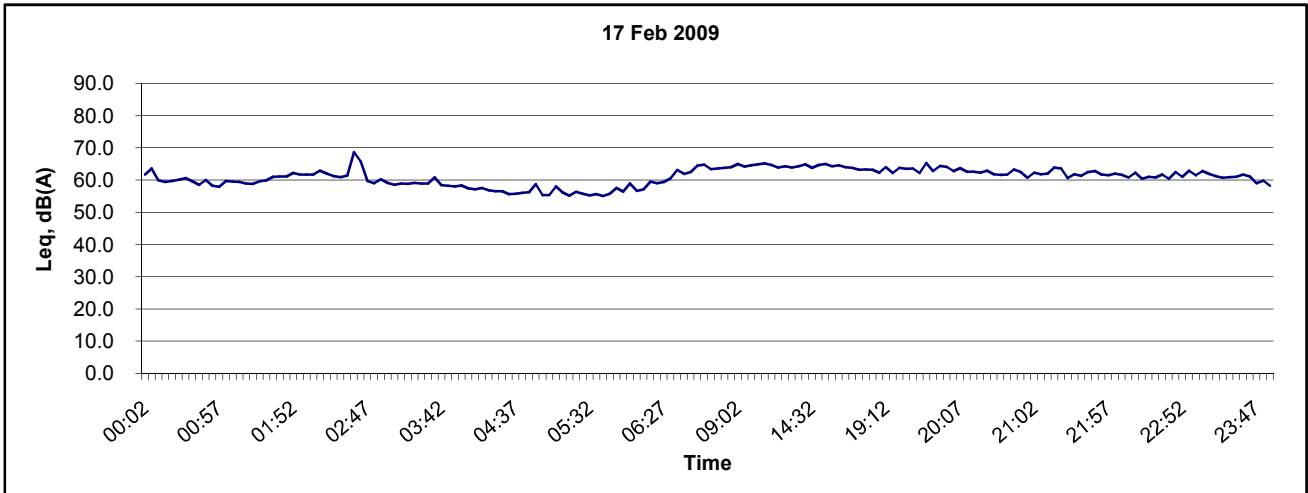
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Blk A, 80 Robinson Road (NC18)	Scale N.T.S	Project No. MA 8001	
	Date Feb 09	Appendix C	

## Noise Level at Blk A, 80 Robinson Road (NC18)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Blk A, 80 Robinson Road (NC18)	Scale N.T.S	Project No. MA 8001	
	Date Feb 09	Appendix C	

## Noise Level at Blk A, 80 Robinson Road (NC18)

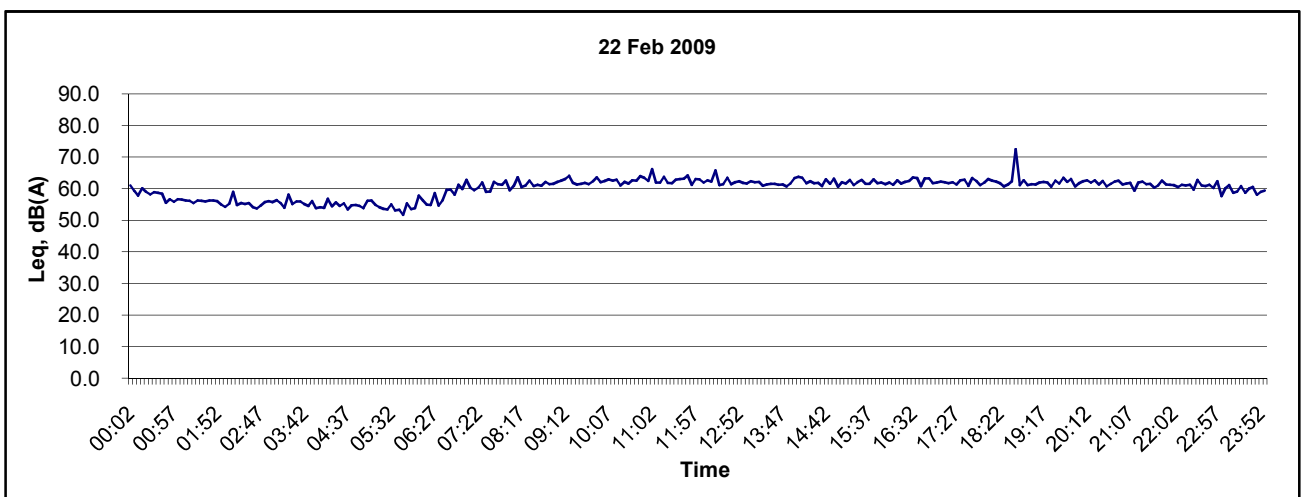
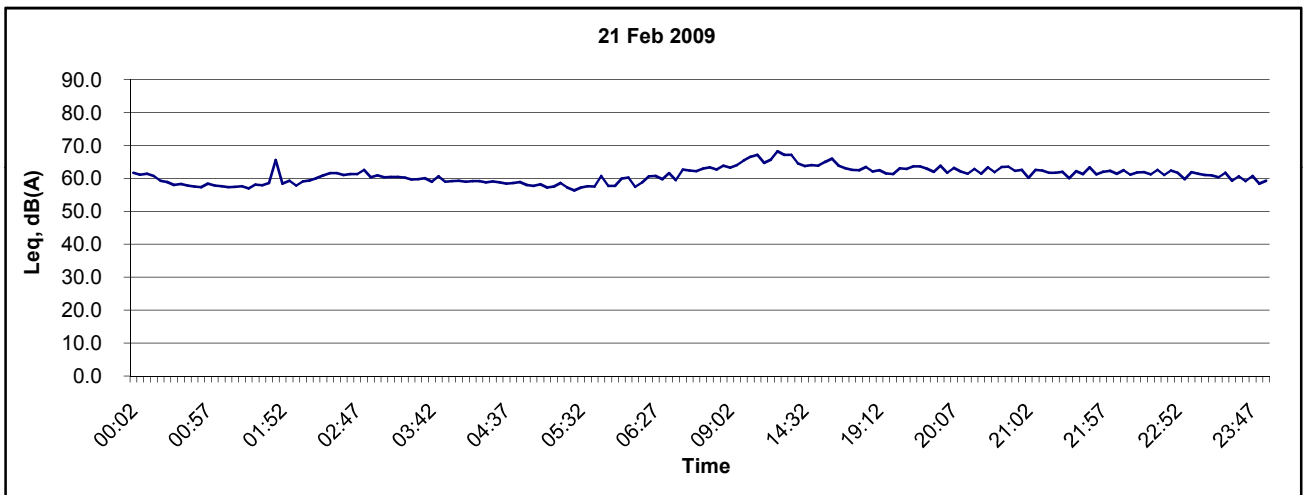
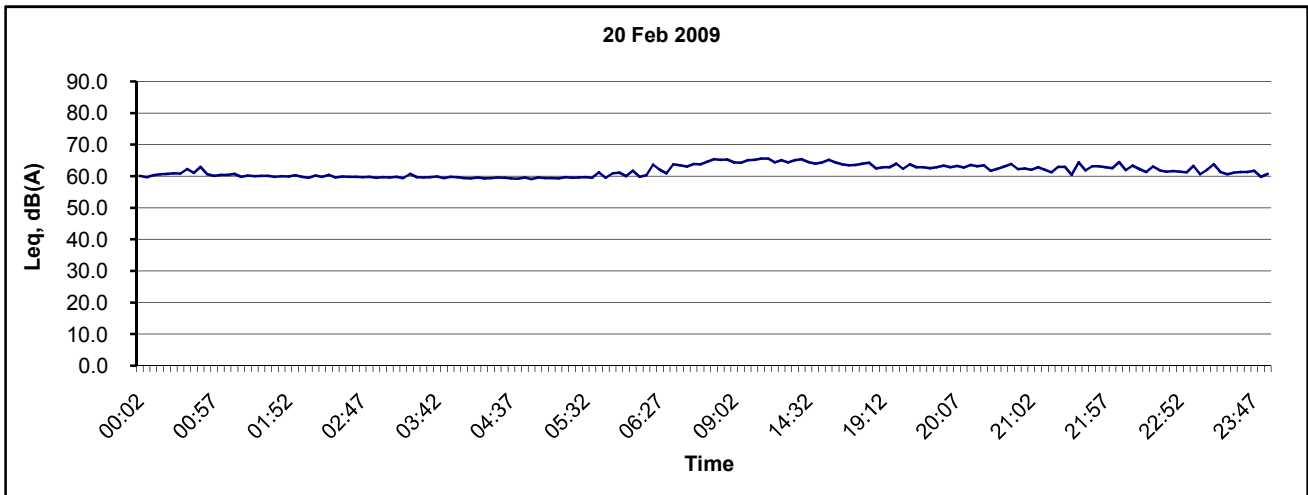


Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Blk A, 80 Robinson Road (NC18)	Scale	N.T.S	Project No.	MA 8001
	Date	Feb 09	Appendix	C



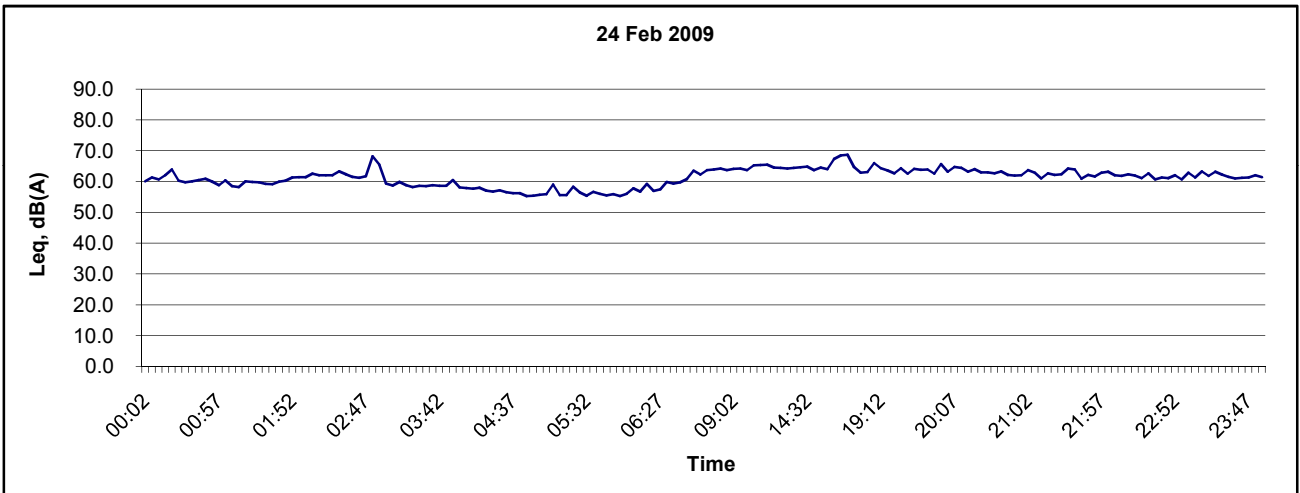
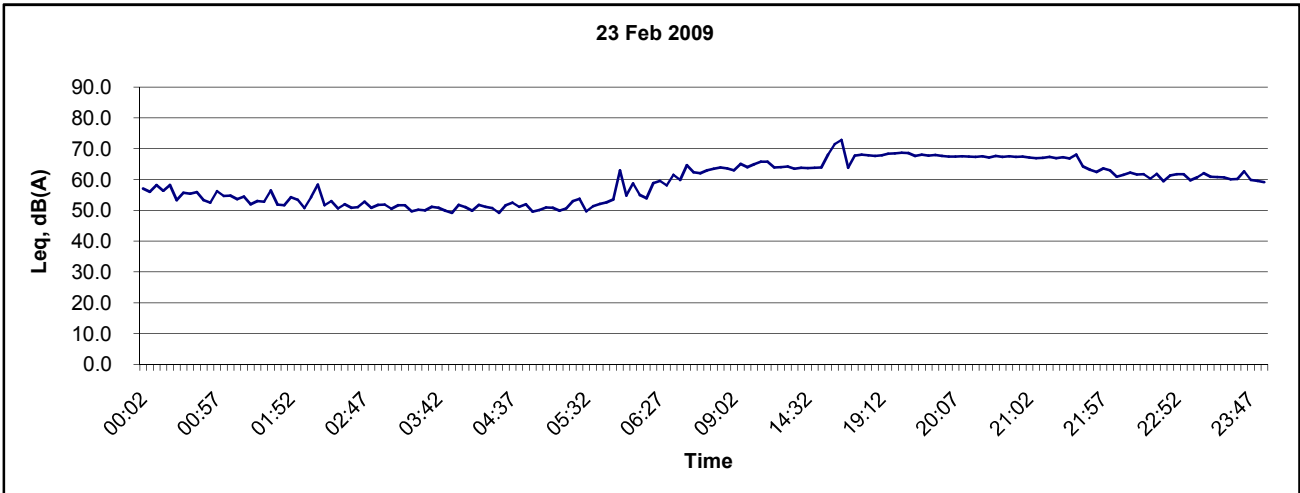


## Noise Level at Blk A, 80 Robinson Road (NC18)



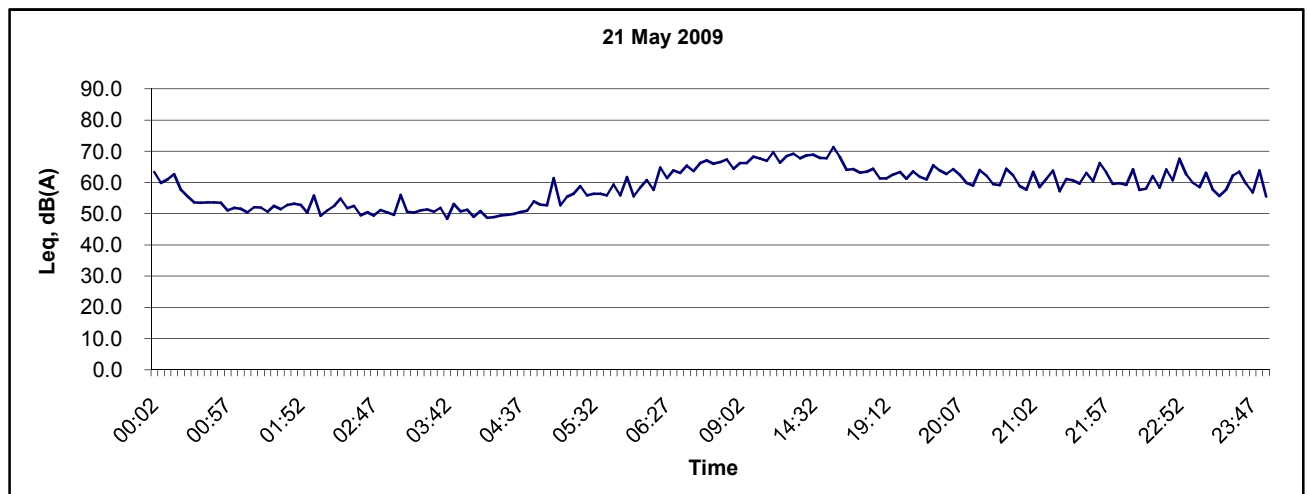
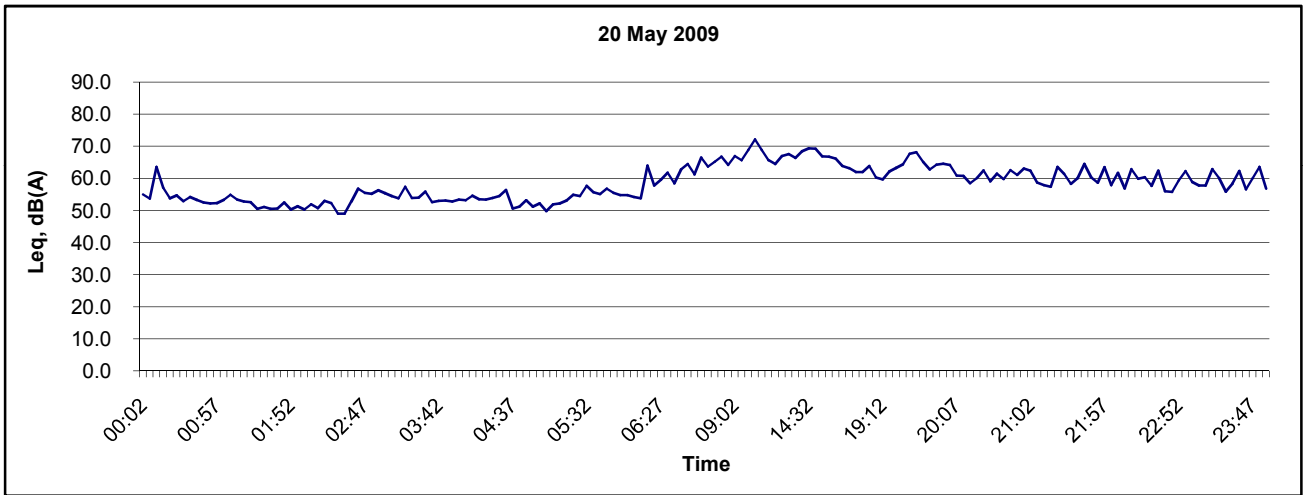
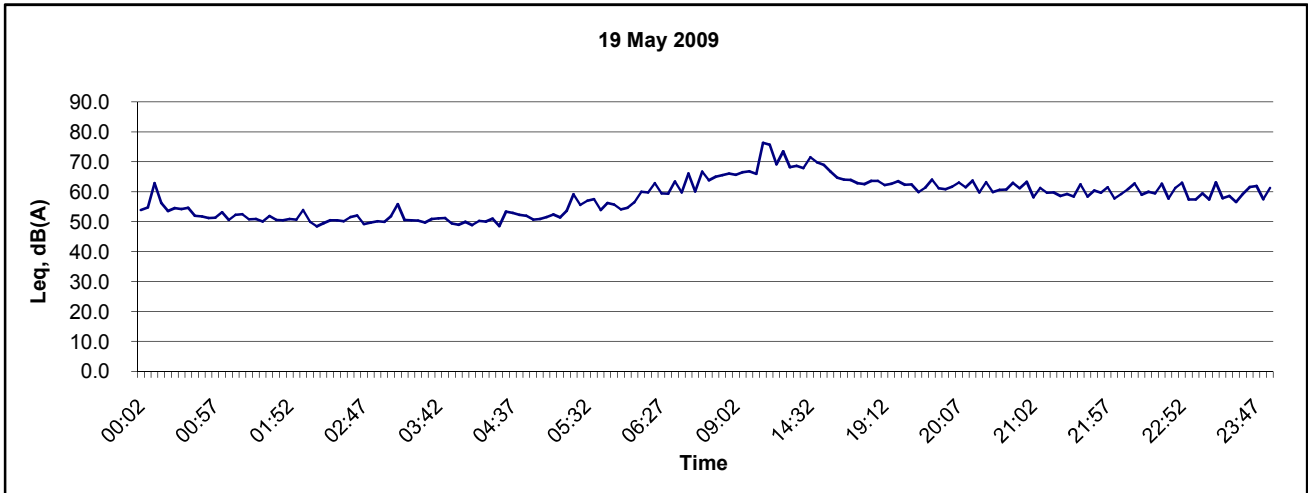
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Blk A, 80 Robinson Road (NC18)	Scale N.T.S	Project No. MA 8001	CINOTECH
	Date Feb 09	Appendix C	

## Noise Level at Blk A, 80 Robinson Road (NC18)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Blk A, 80 Robinson Road (NC18)	Scale	N.T.S	Project No.	MA 8001	CINOTECH
	Date	Feb 09	Appendix	C	

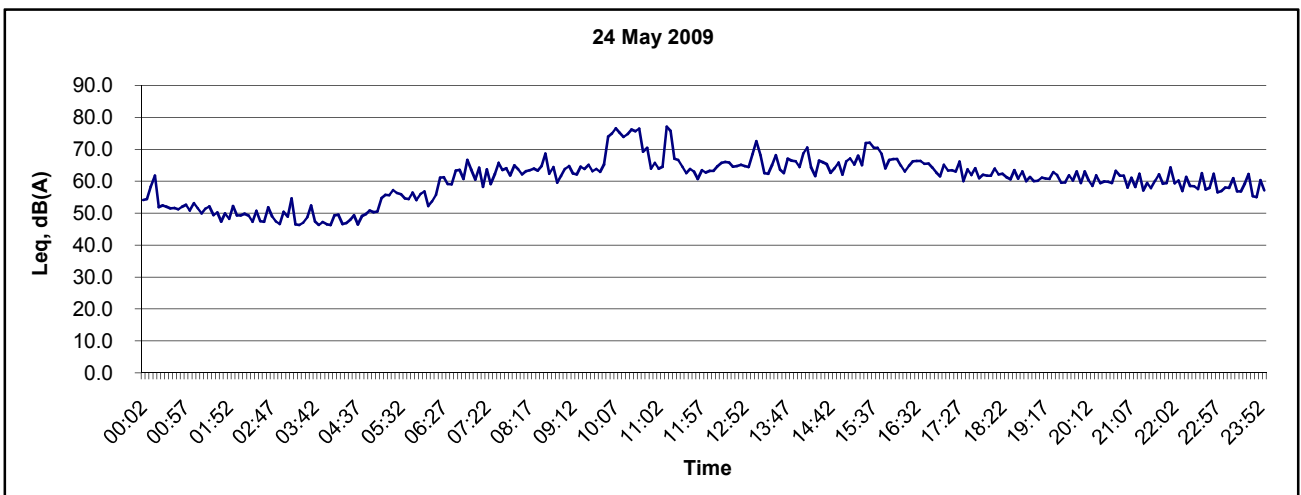
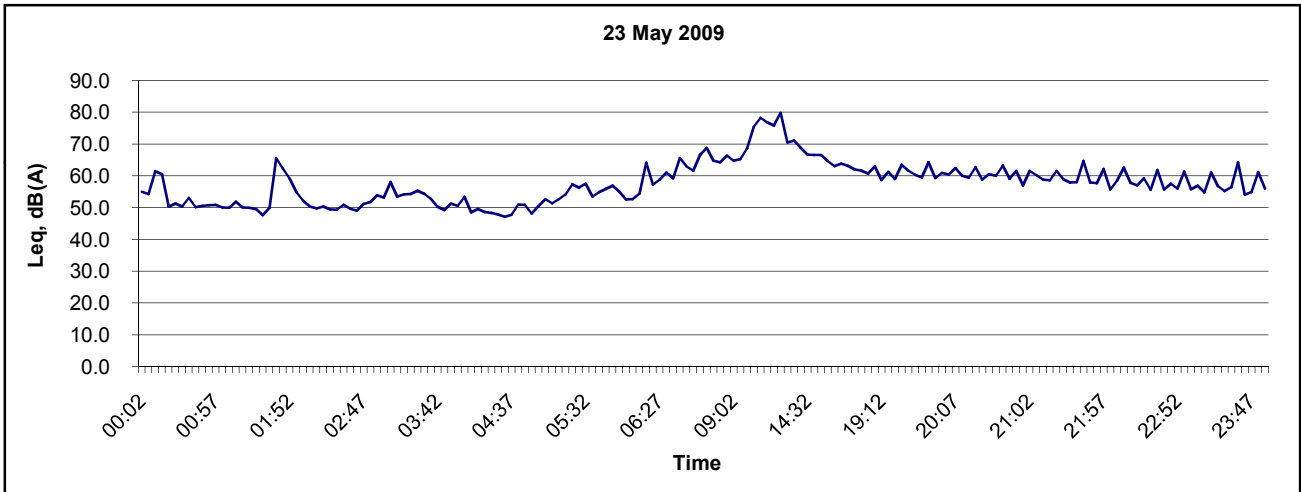
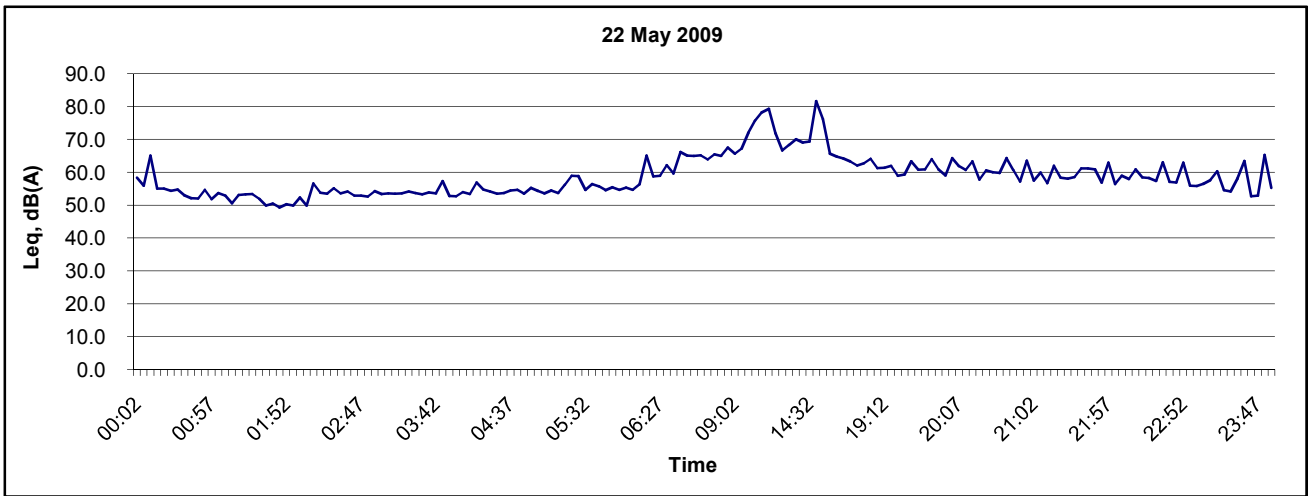
## Noise Level at Villa Veneto (NC19)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Villa Veneto (NC19)	Scale	N.T.S	Project No.	MA 8001
	Date	May 09	Appendix	C

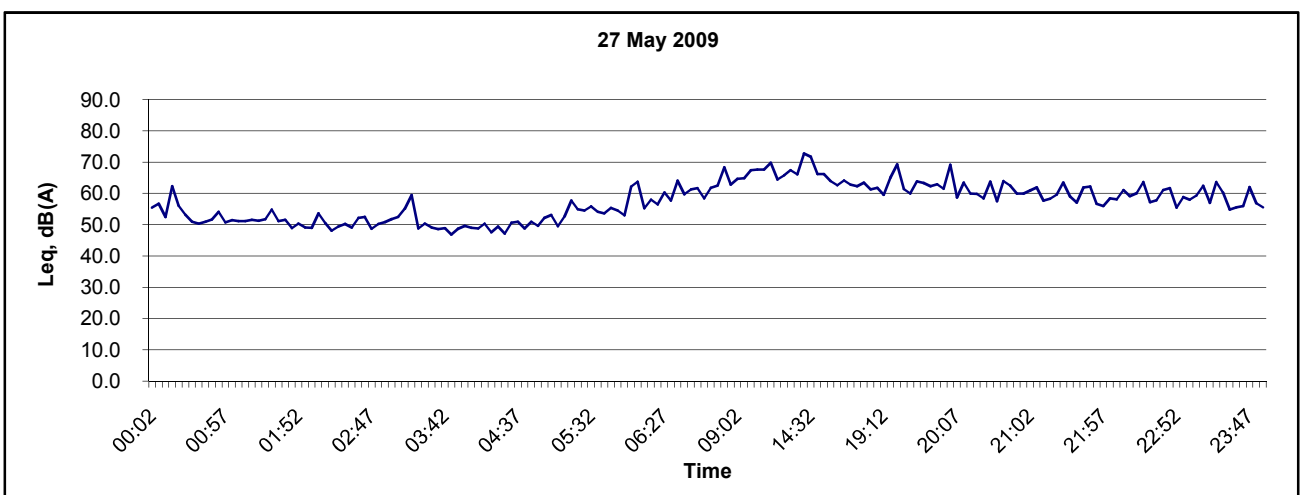
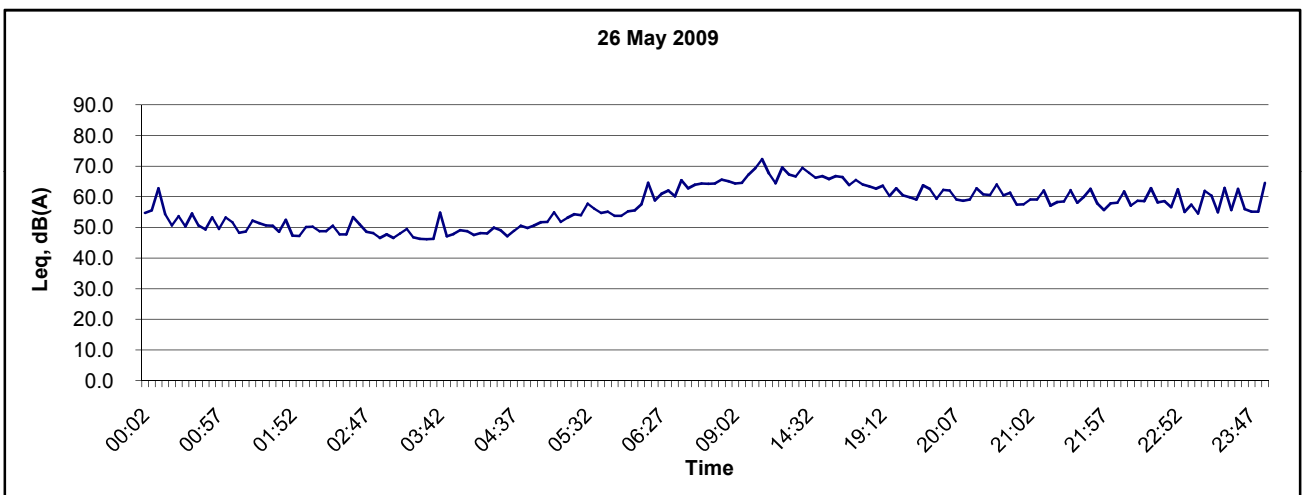
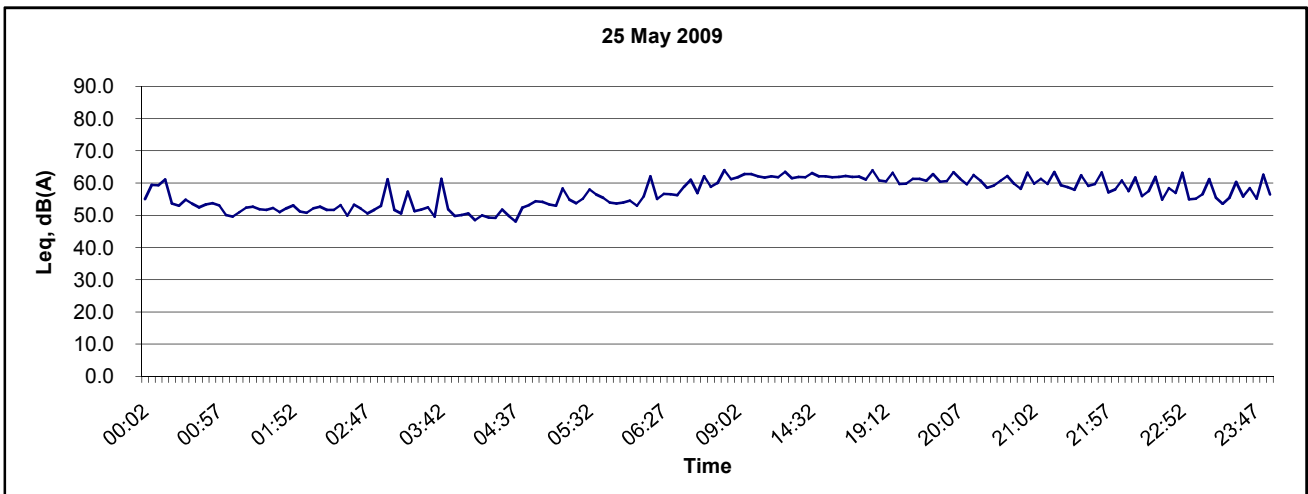


## Noise Level at Villa Veneto (NC19)



Title Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Villa Veneto (NC19)	Contract No. DC/2007/10	Scale N.T.S	Project No. MA 8001	
	May 09	Appendix C		

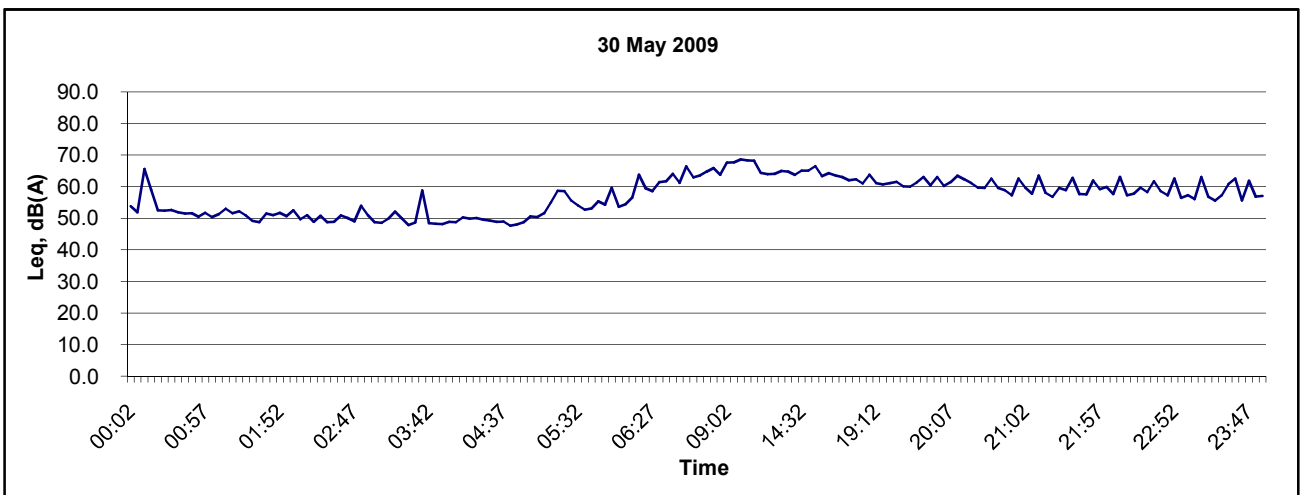
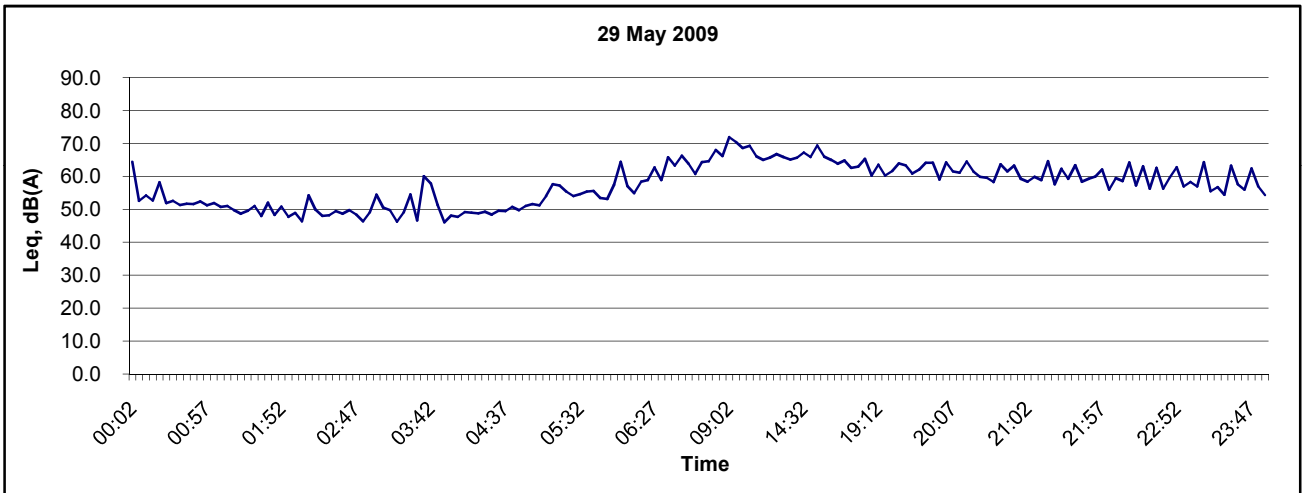
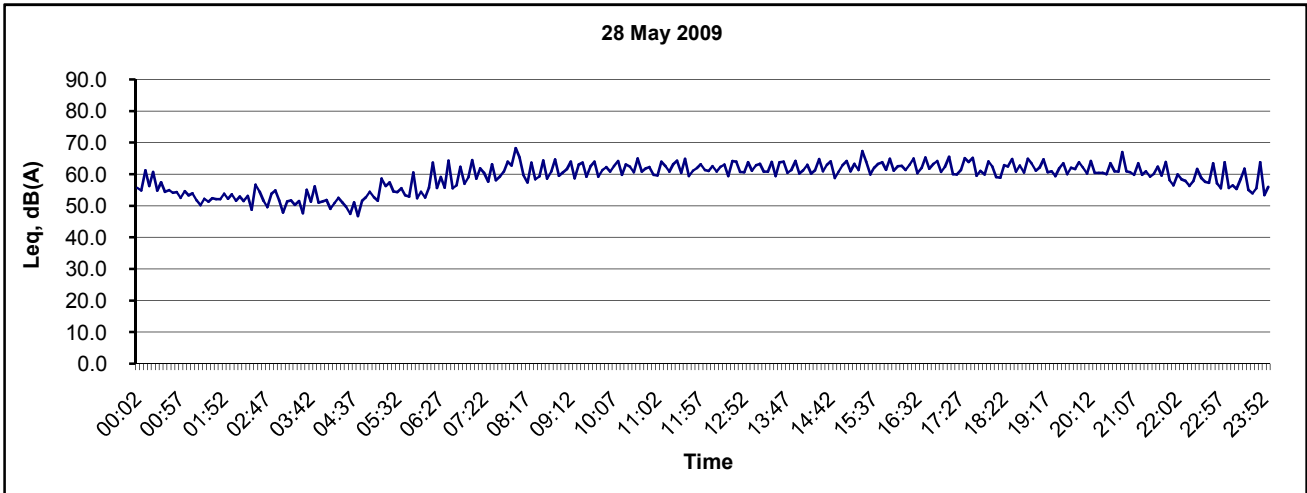
## Noise Level at Villa Veneto (NC19)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Villa Veneto (NC19)	Scale	N.T.S	Project No.	MA 8001
	Date	May 09	Appendix	C

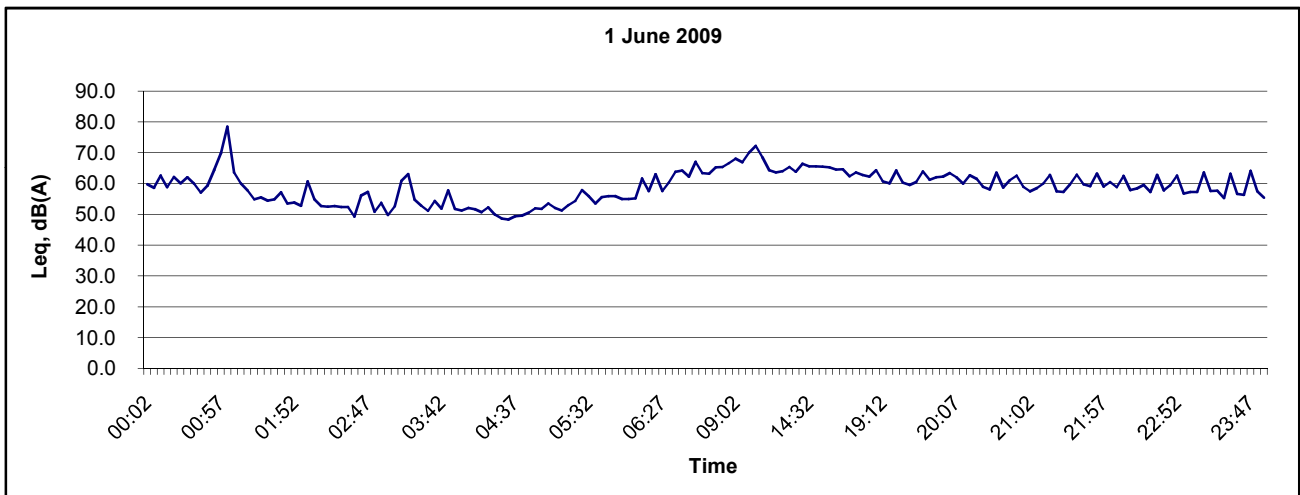
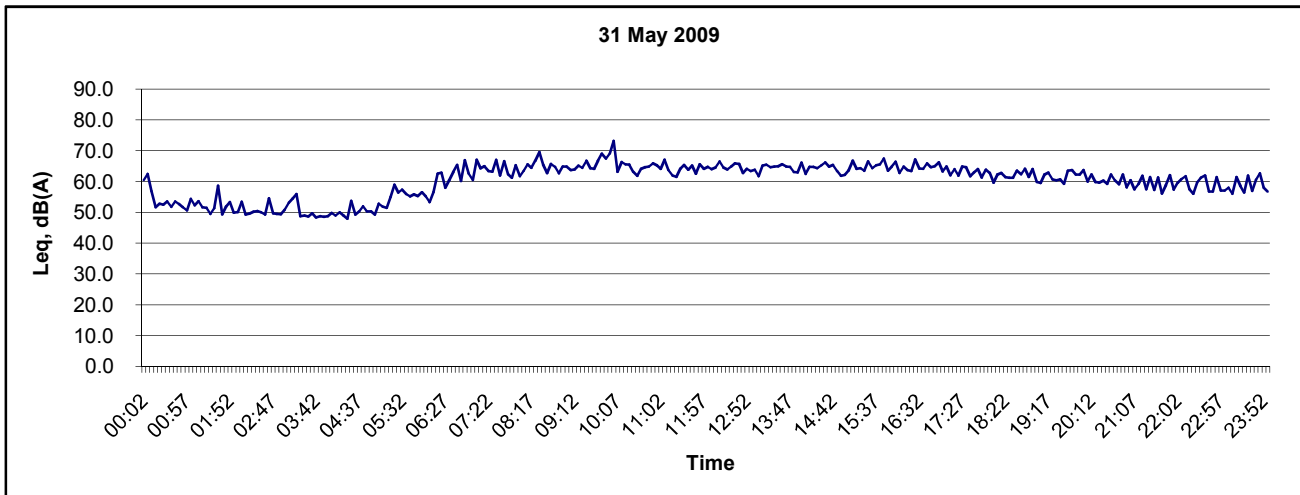


## Noise Level at Villa Veneto (NC19)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Villa Veneto (NC19)	Scale N.T.S	Project No. MA 8001	
	Date May 09	Appendix C	

## Noise Level at Villa Veneto (NC19)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel  Graphical Presentation of Baseline Noise Levels at Villa Veneto (NC19)	Scale N.T.S	Project No. MA 8001	CINOTECH
	Date May 09	Appendix C	

---

---

**APPENDIX D  
BASELINE NOISE MONITORING  
SCHEDULE**

---

---



**Drainage Improvement in Northern Hong Kong Island - Hong Kong West Drainage Tunnel  
Baseline Noise Monitoring Schedule at Intakes (Part IV) in February 2009**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>1-Feb</b>	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb
<b>8-Feb</b>	9-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb
			Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)
<b>15-Feb</b>	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb
Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)
<b>22-Feb</b>	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
Noise (NC17 and NC18)	Noise (NC17 and NC18)	Noise (NC17 and NC18)				

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

**Noise Monitoring Station**

NC16 - Raimondi College

NC17 - Hong Kong Institute of Technology

NC18 - Blk A, 80 Robinson Road

NC19 - Villa Veneto

**Drainage Improvement in Northern Hong Kong Island - Hong Kong West Drainage Tunnel  
Baseline Noise Monitoring Schedule at Intakes (Part IV) in March 2009**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>1-Mar</b>	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar
			Noise (NC16)	Noise (NC16)	Noise (NC16)	Noise (NC16)
<b>8-Mar</b>	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar
Noise (NC16)	Noise (NC16)	Noise (NC16)	Noise (NC16)	Noise (NC16)	Noise (NC16)	Noise (NC16)
<b>15-Mar</b>	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar
Noise (NC16)	Noise (NC16)	Noise (NC16)				
<b>22-Mar</b>	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar
<b>29-Mar</b>	30-Mar	31-Mar				

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

**Noise Monitoring Station**

NC16 - Raimondi College

NC17 - Hong Kong Institute of Technology

NC18 - Blk A, 80 Robinson Road

NC19 - Villa Veneto

**Drainage Improvement in Northern Hong Kong Island - Hong Kong West Drainage Tunnel  
Baseline Noise Monitoring Schedule at Intakes (Part IV) in May 2009**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					<b>1-May</b>	<b>2-May</b>
<b>3-May</b>	4-May	5-May	6-May	7-May	8-May	9-May
<b>10-May</b>	<b>11-May</b>	12-May	13-May	14-May	15-May	16-May
<b>17-May</b>	18-May	19-May	20-May	21-May	22-May	23-May
		Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)
<b>24-May</b>	25-May	26-May	27-May	28-May	29-May	30-May
Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)	Noise (NC19)
<b>31-May</b>	1-Jun					
Noise (NC19)	Noise (NC19)					

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

**Noise Monitoring Station**

NC16 - Raimondi College

NC17 - Hong Kong Institute of Technology

NC18 - Blk A, 80 Robinson Road

NC19 - Villa Veneto

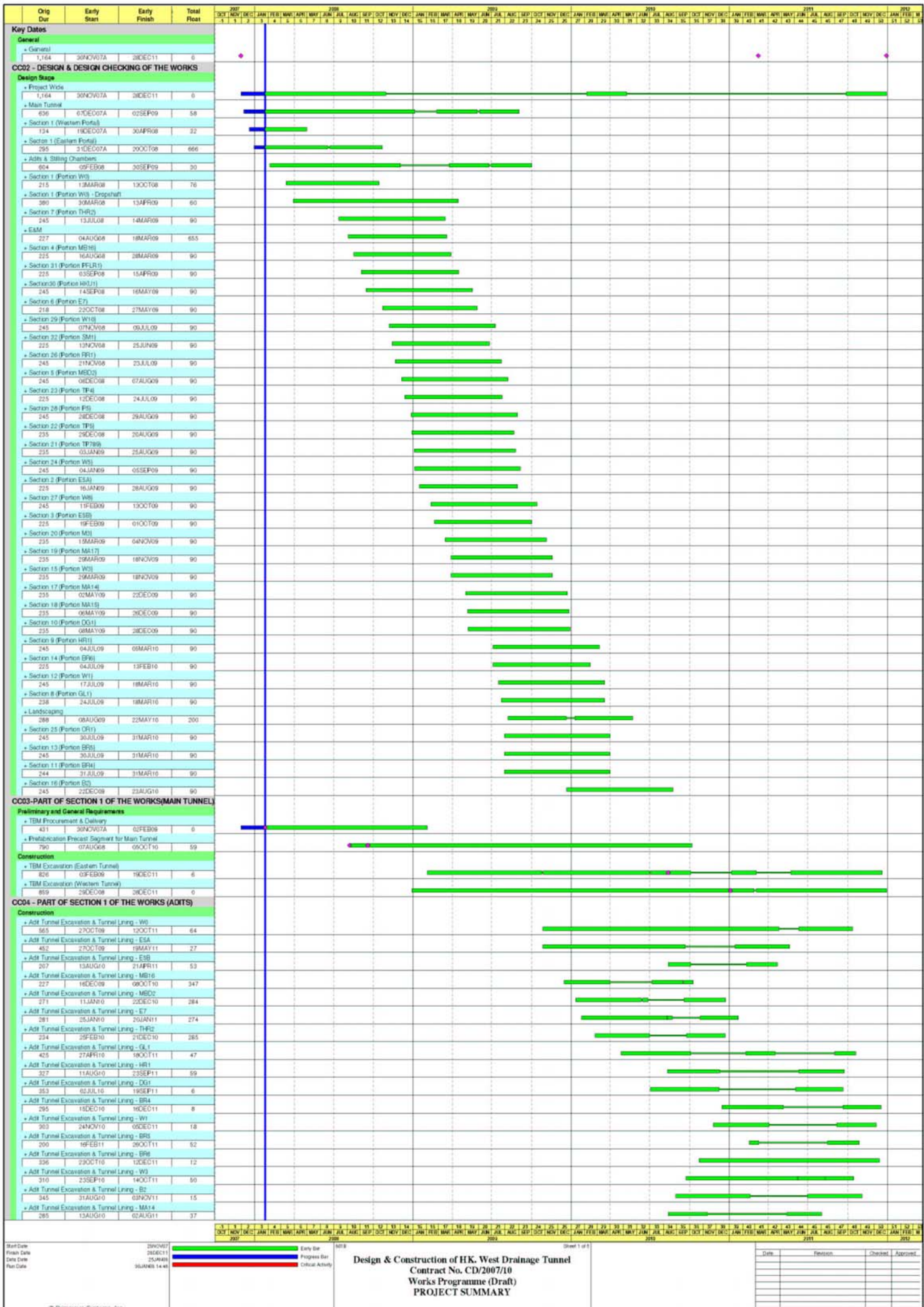
---

---

**APPENDIX E**  
**CONSTRUCTION PROGRAMME**

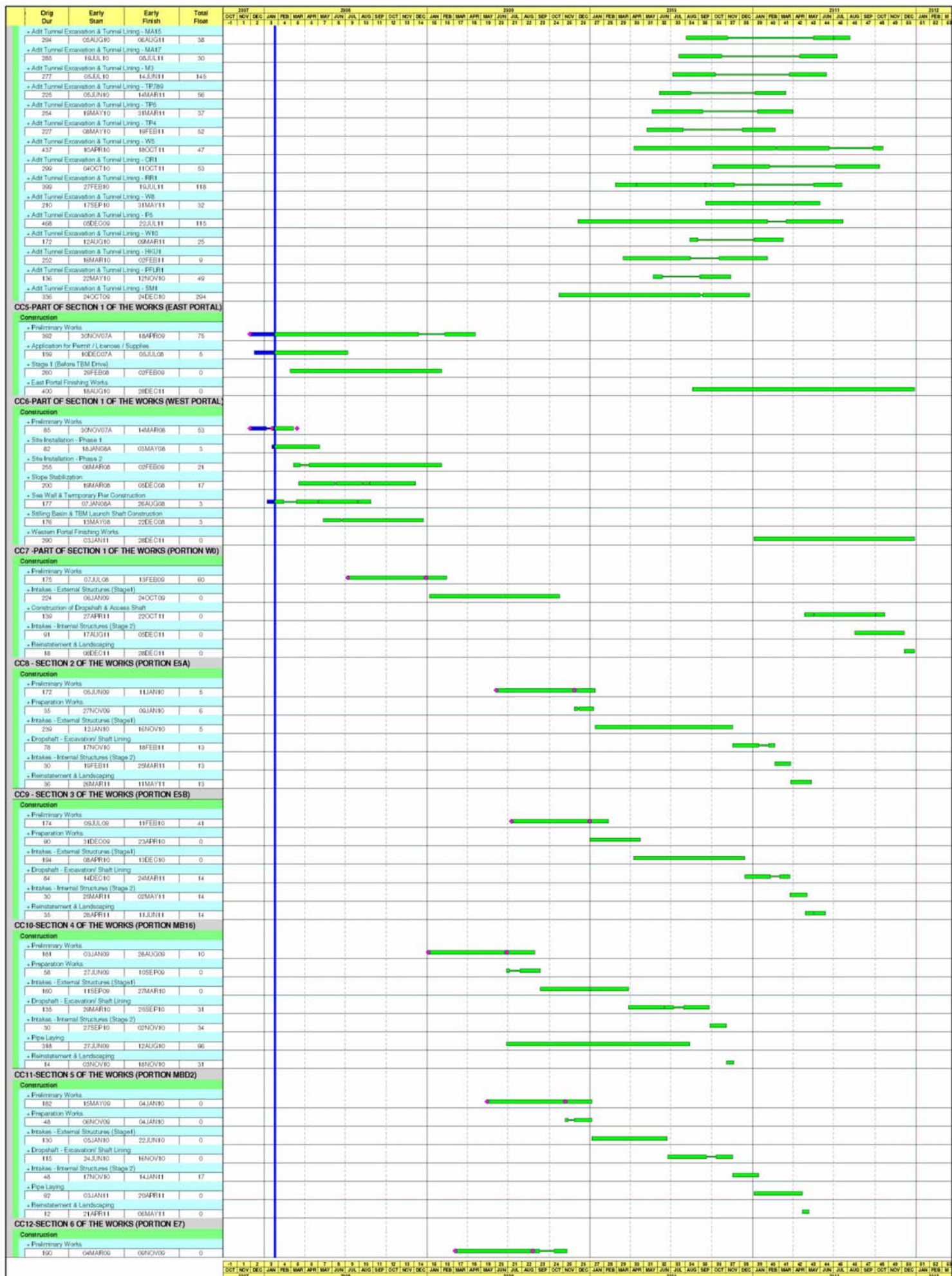
---

---



Design & Construction of HK. West Drainage Tunnel  
 Contract No. CD/2007/10  
 Works Programme (Draft)  
 PROJECT SUMMARY

Date	Revision	Checked	Approved



Start Date	22NOV07
Finish Date	28DEC11
Code Date	28JAN08
Run Date	26JAN08 14:49

█ Early Bar  
█ Program Bar  
█ Critical Activity

Design & Construction of HK. West Drainage Tunnel  
 Contract No. CD/2007/10  
 Works Programme (Draft)  
 PROJECT SUMMARY

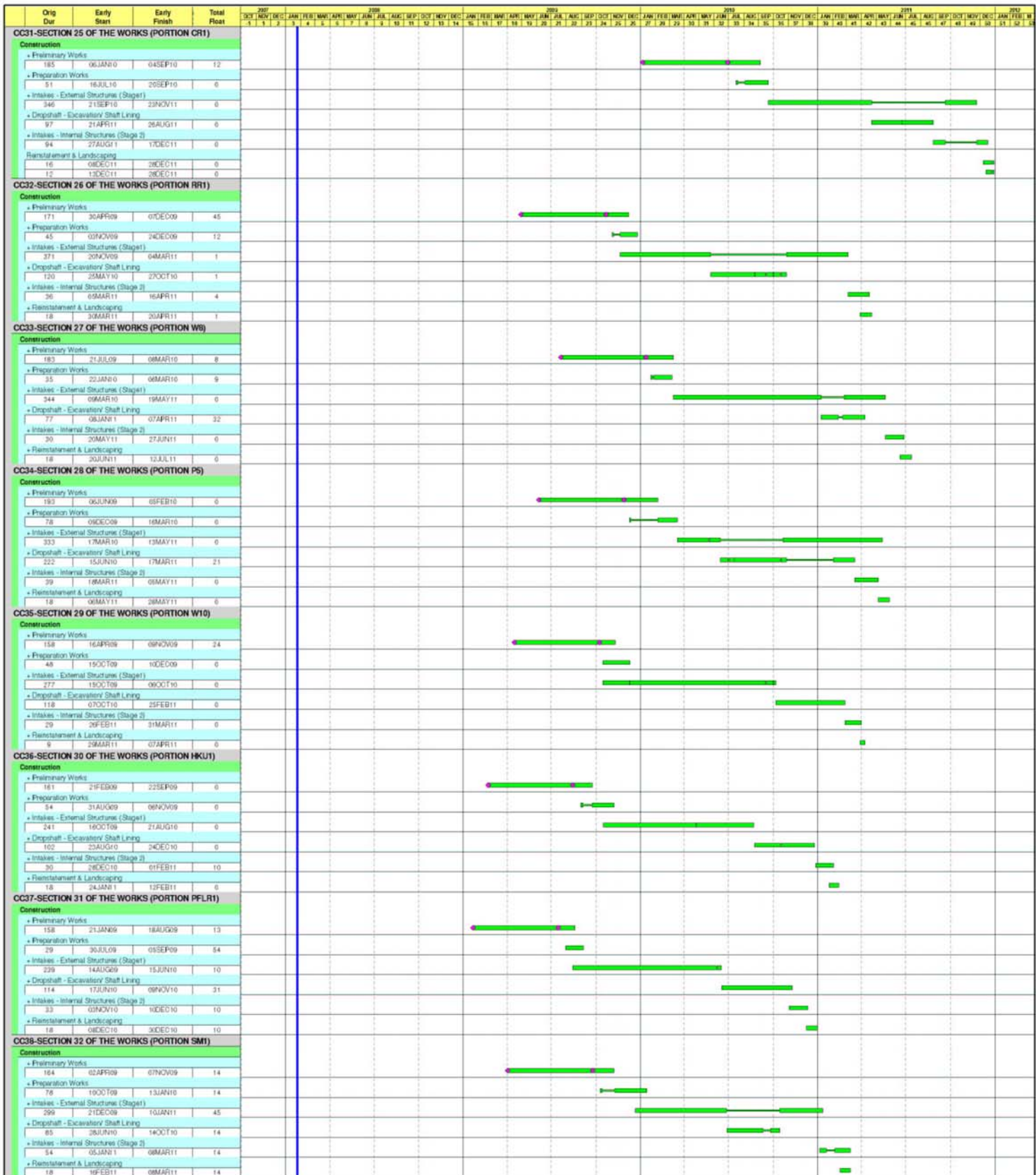


Date	Revision	Checked	Approved









2007 2008 2009 2010 2011 2012

Start Date	29NOV07
Finish Date	26DEC11
Start Date	25MAR08
Finish Date	30JAN08 14:40

■ Early Bar  
■ Progress Bar  
■ Critical Activity

**Design & Construction of HK. West Drainage Tunnel**  
 Contract No. CD/2007/10  
 Works Programme (Draft)  
**PROJECT SUMMARY**

Date	Revision	Checked	Approved