

1 Mill Lane

Noise Assessment

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EXECUTIVE SUMMARY

The principal noise affecting the site is train noise and traffic noise. The measured noise levels indicate that the proposed development would be in PPG24 Noise Exposure Category B. Conditions may be imposed to ensure adequate attenuation of noise.

It is likely that noise insulation requirements can be met using standard thermal double glazing units.

Based on background levels an operational noise limit of 28 dB(A) at the site boundary is recommended for any operational plant associated with this development.

Vibration measurements at the closest boundary to the railway indicate that vibration is below the level likely to induce adverse comments.

1. INTRODUCTION

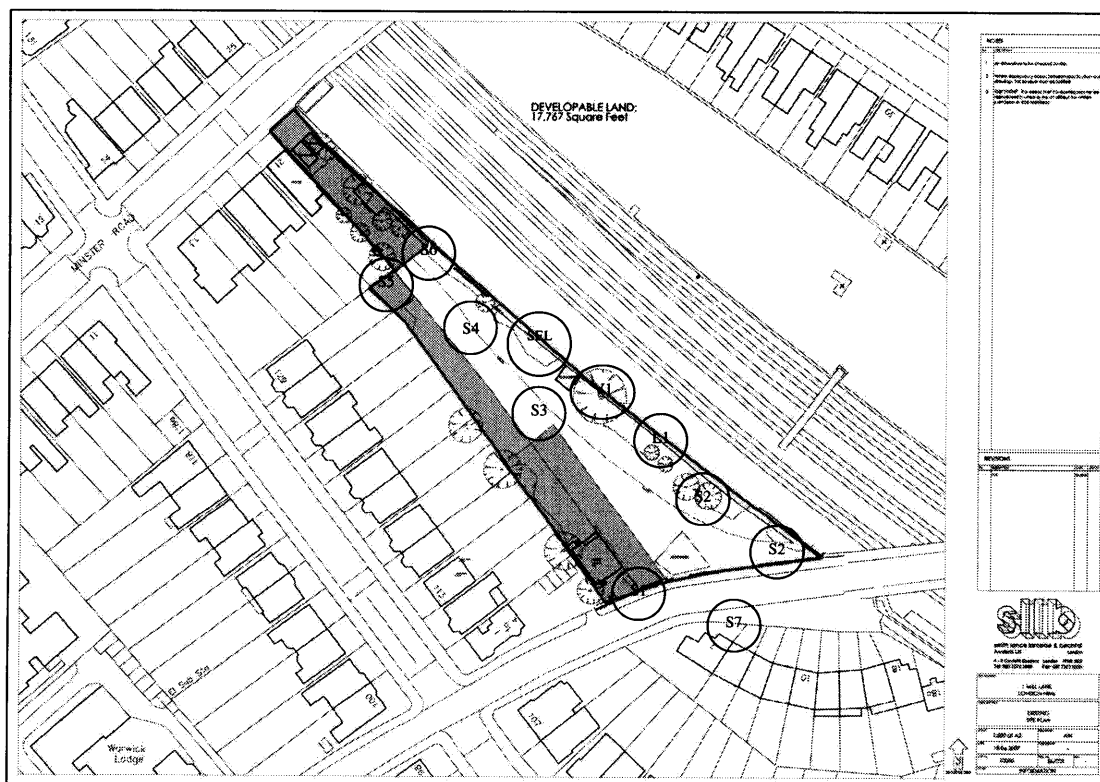
The report presents the results obtained from a Noise and Vibration Survey and Assessment of 1 Mill Lane, London, NW6 1NS. The results obtained from the Survey and Assessment are used to determine the noise environment with respect to planning requirements in view of the potential sale or redevelopment of the site.

The survey was carried out on the 6th and 7th August 2007.

2. SITE DESCRIPTION AND MEASUREMENT LOCATIONS

The site covers approximately 42,000 sq ft and is located on the western side of Mill Lane, comprising predominately vacant land with a derelict house on the southern part of the site and former garages in the western part of the site. The site is located north of the Thameslink Railway track. The site layout is illustrated in Figure. 1 below.

Figure 1: Site and Measurement Locations



3. NOISE AND VIBRATION SURVEYS

URS installed a noise-logging meter on the site. The unit was set to log 5-minute average (LAeq), maximum (LAFmax) and statistical ((LAF90, LAF10) noise levels over a 24 hour period. The meter was installed at the boundary of site most likely to be affected by railway noise (Location L1)

During the installation visit the surveyor also took 15-minute samples of the noise at other locations (S1 to S7) around the boundary, to determine relative changes with positions. In addition, sample SEL measurements were taken for the different types of trains.

The survey includes a note of the weather and wind conditions and observations on the sources of noise affecting the development.

URS also installed a vibration-logging meter on the site. The unit was set to log 5-minute average acceleration values in x, y and z directions. The meter was installed at the boundary of site most likely to be affected by railway vibration (Location V1).

All the measurement locations are illustrated on Figure 1 above.

The following equipment was used:

Sound meter: RION NL-31

Serial No: 00841787

Calibrator: RION NC-31

Serial No: 50641228

Vibration meter: RION VM-54

Serial No: 00750084

The equipment had in-date factory calibration certificates. The noise meter was field calibrated before the measurements and calibration was checked at the end with no significant drift.

During the survey the weather was clear (1/8 cloud cover) and there was slight wind. During the unattended night time monitoring the weather was forecast for light showers.

4. RESULTS

The results of the 15 minute noise samples are summarised in Table 1 below.

Table 1: Short Term Measurements

Location	Time	Duration	LAeq	LAF90	LAF10	LAF Max	Description of Noise Source
S1	10:30	15 mins	57.8	47.8	61.2	74	Birds, traffic, trucks, train, aircraft, construction (drilling machine)
S2	10:49	15 mins	53.7	43	55.7	72.9	Trains (Horn), human voice, vehicle stereo music, car, truck
S3	11:29	15 mins	52.4	42.7	54.1	69.4	Aircraft, birds
S4	11:52	15 mins	57.6	41.8	56.2	78	Not much traffic noise, trains
S5	12:09	15 mins	58.1	41.8	57.5	76.5	Train, hammer hitting
S6	12:26	15 mins	57.8	42.5	51.1	78.1	Train, some wind noise
S7	12:45	15 mins	66.6	51.6	71.1	82.6	Pedestrians chatting, children shouting, traffic, motorcyclist

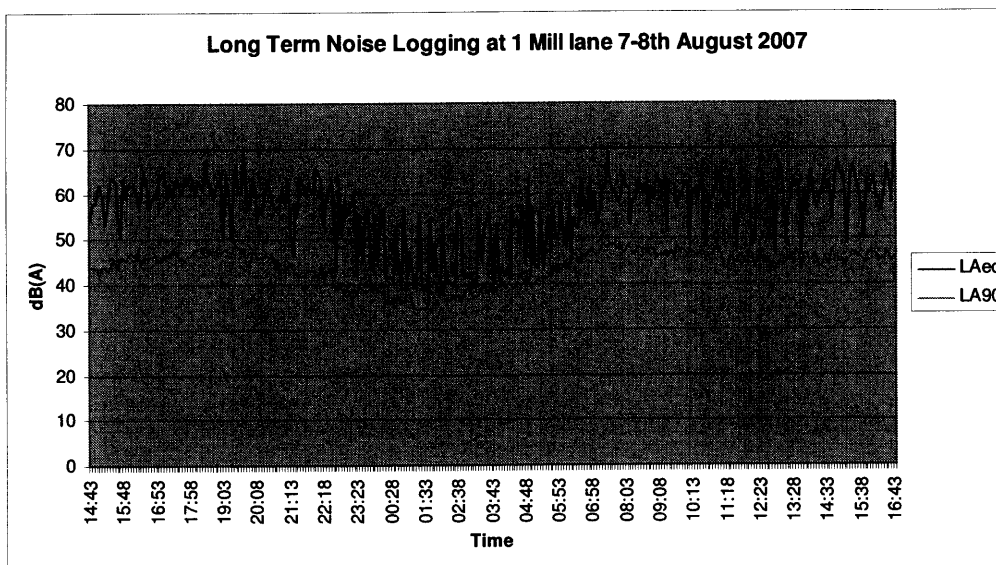
The results of train SEL measurements are presented in Table 2 below. The SEL measurements are provided for reference and may be used for future train noise calculations if traffic varies.

Table 2: SEL Measurements

Ref	Location	Time	Duration	LAeq	SEL	Comments
SEL 1	T1	22:28	11 sec	59.5	69.9	4 carriages
SEL 3	T1	12:34	11 sec	77.4	87.8	10 carriages
SEL 4	T1	12:37	8 sec	66.8	75.8	4 carriages

The ambient (LAeq) and the background (LAF90) noise data from the noise logging unit is presented in Figure 2 below. The data record is provided in Attachment A.

Figure 2: Noise Logging Data



The peaks in noise levels at various points are due to the trains passing-by.

5. NOISE ASSESSMENT

Planning Policy guidance PPG24 (1994) provides guidance on the development of residential areas near to existing, or new noise sources. It also defines noise exposure categories (NECs) for day and night-time to assess whether or not it is appropriate to grant permission for the development of residential properties for a given noise climate. The categories relate to different noise bands depending on the source of noise (i.e., road, rail, air, or mixed noise sources). The values, shown in Table 3 below, refer to the average (LAeq) noise level throughout the day or night time periods respectively.

Table 3: PPG 24 Noise Exposure Categories

Noise Source	Noise Exposure Category			
	A	B	C	D
Road Traffic				
07:00 – 23:00	<55	55 – 63	63 – 72	>72
23:00 – 07:00	<45	45 – 57	57 – 66	>66
Rail Traffic				
07:00 – 23:00	<55	55 – 66	66 – 74	>74
23:00 – 07:00	<45	45 – 59	59 – 66	>66
Air Traffic				
07:00 – 23:00	<57	57 – 66	66 – 72	>72
23:00 – 07:00	<47	47 – 59	59 – 68	>68
Mixed Sources				
07:00 – 23:00	<55	55 – 63	63 – 72	>72
23:00 – 07:00	<45	45 – 57	57 – 66	>66

The average day time and night time noise levels have been calculated from 5 minute LAeq levels in the noise logging data and are presented in Table 4.

Table 4: Average day and night time noise levels

Average Day-Time Noise Level 59.7 dB(A)

Average Night-Time Noise Level 48.6 dB(A)

The short-term day time measurements were consistent with the day time logging results except where children were shouting (Location S6). The principal measured noise on the site itself was due to the trains and outside the site the main source was the traffic.

The daytime and night time noise levels are used to derive PPG24 NEC grading, as shown below

Table 5: PPG Noise Exposure Category Summary

Night Time LAeq dB	Night Time PPG 24 NEC	Day Time LAeq dB	Daytime PPG 24 NEC
48.6	B	59.7	B

The development is in category B. PPG 24 advises for this category that “Noise should be taken into account when determining planning applications and, where appropriate conditions imposed to ensure an adequate level of protection against noise”.

6. LIKELY NOISE INSULATION REQUIREMENTS

BS8233 provides recommendations for noise levels in dwellings. These are summarized in Table 6 below.

Table 6: Recommended noise levels for dwellings (BS8233)

Criterion	Typical situations	Design range LAeq.T dB	
		Good	Reasonable
Reasonable resting/sleeping conditions	Living Rooms	30	40
	Bedrooms	30	35

Normally the weakest sound insulation is via windows. BS8233 provides indicative values of sound insulation provided by different types of windows as follows.

Table 7: Sound insulation of typical windows (BS8233)

Description	Weighted Sound Reduction Index Rw dB
Any type of window in a facade when partially open.	10-15
Single glazed windows (4 mm glass)	22-30
Thermal insulation Units (6-12-6)	33-35
Secondary glazed windows (6-100-6)	35-40
Secondary glazed windows (4-200-4)	40-45

Based on the average 59.7dB(A) day-time noise level at L1, and allowing a 3 dB(A) increase due to facade reflections, a reduction of 33 dB(A) would be required for 'good' daytime conditions in living rooms. Based on BS8233 indications, the required noise insulation is likely to be achieved using Thermal Insulation Units (6-12-6).

7. OPERATIONAL NOISE LIMITS

BS4142 provides a method of rating industrial noise in residential areas. For avoidance of complaints, BS4142 recommends that the noise levels from any plant be designed to be 10 dB(A) less than the background (LA90) levels.

The lowest night-time background noise level was 38.5 dB LA90 (measured at P2). For design purposes a plant operational noise limit of 28 dB(A) applied at the site boundary is recommended.

8. VIBRATION ANALYSIS

The vibration meter was set to measure acceleration values weighted for human sensitivity using the Wd, Wd and Wg weightings for the two horizontal directions (X and Y) and the vertical direction (Z) respectively. The meter was set to log the 5 minute average (r.m.s) weighted acceleration values over a minimum 24 hour period.

The results of the long term vibration monitoring are presented in Figure 3 below. The data record is provided in Attachment B

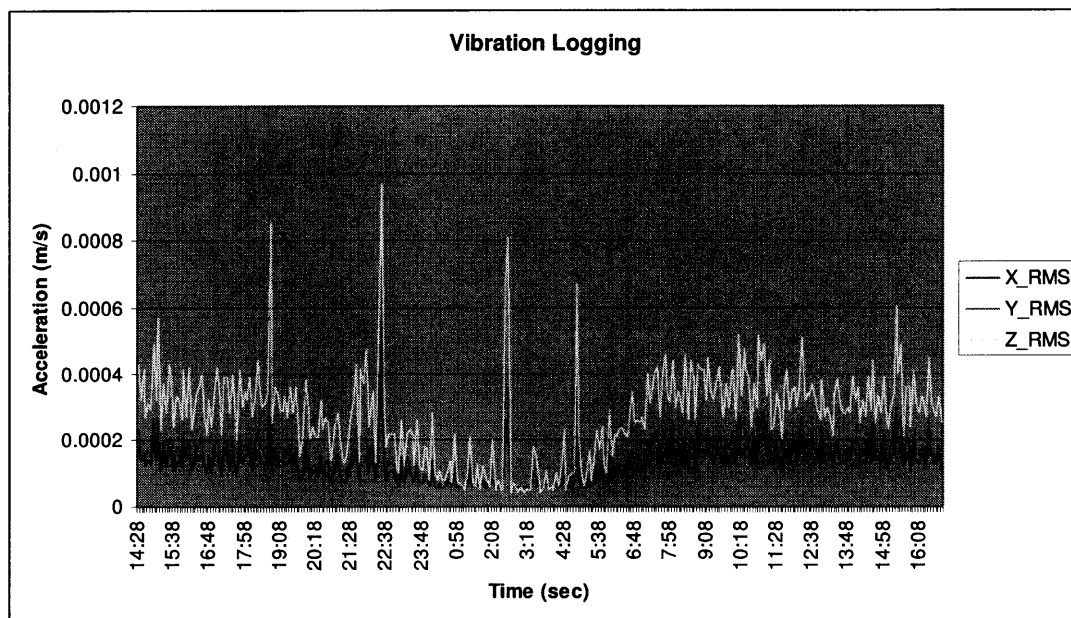


Figure 3: Graph of weighted acceleration levels in X, Y and Z directions.

The principal source of vibration was trains. The principal vibration occurred in the Z (vertical) direction. The overall scale of the vibration trace is very low; the apparent night time peaks (which may be due to freight trains) are in fact very low in absolute terms.

Human response to vibration is assessed in terms of vibration dose value (VDV). VDV depends on both the vibration acceleration level and duration.

BS 6472 recommends limits for vibration dose values for residential properties as shown in Table 7 below.

Table 8: Recommended VDV limits (BS6742)

Place	Low probability of adverse comment	Adverse comment possible	Adverse comment probable
Residential buildings 16h day	0.2 to 0.4	0.4 to 0.8	0.8 to 1.6
Residential buildings 8h night	0.13	0.26	0.51

The VDV values for each 5-minute period were calculated using the sum of X, Y and Z weighted acceleration values. Separate total VDV values for the night time and day time periods were calculated. These calculations were done using the methods from BS6742.

- The calculated day time VDV was $0.010 \text{ m/s}^{1.75}$.
- The calculated Night time VDV was $0.0067 \text{ m/s}^{1.75}$

The vibration is below the BS6742 criteria for "low probability for adverse comment" for both day and night time.

9. CONCLUSIONS

Day time and night time noise and vibration measurements were made on the 7th and the 8th August 2007 at 1 Mill Lane.

The principal noise affecting the site is train noise and traffic noise. The measured noise levels indicate that the proposed development would be in PPG24 Noise Exposure Category B. Conditions may be imposed to ensure adequate attenuation of noise.

It is likely that noise insulation requirements can be met using standard thermal double glazing units.

Based on background levels an operational noise limit of 28 dB(A) at the site boundary is recommended for any operational plant associated with this development.

Vibration measurements at the closest boundary to the railway indicate that vibration is below the level likely to induce adverse comments.

ATTACHMENT A – Noise Logging data Record

ATTACHMENT B – Vibration Logging Data Record

Noise Logging at 1 Mill Lane										
Start Time	Duration	LAeq	LA90	LAE	LAmaz	LAmín	LA01	LA10	LA50	LA95
07/08/2007 14:43	00:05:00	54.0	44.1	78.8	80.5	40.5	63.5	52.0	46.6	43.2
07/08/2007 14:48	00:05:00	58.0	43.6	82.8	74.5	41.2	71.7	59.0	46.8	43.0
07/08/2007 14:53	00:05:00	57.8	43.9	82.5	75.8	40.1	73.9	49.6	46.1	42.9
07/08/2007 14:58	00:05:00	61.8	43.4	86.6	79.0	41.2	77.6	54.3	46.3	43.0
07/08/2007 15:03	00:05:00	62.0	41.5	86.7	78.7	39.4	76.7	59.6	45.8	40.9
07/08/2007 15:08	00:05:00	59.1	43.9	83.9	76.1	42.0	71.1	63.7	48.7	43.3
07/08/2007 15:13	00:05:00	53.0	43.6	77.8	67.6	41.2	64.6	56.3	47.7	43.0
07/08/2007 15:18	00:05:00	58.3	43.0	83.1	74.0	39.9	72.5	57.9	46.9	42.3
07/08/2007 15:23	00:05:00	63.9	44.3	88.7	80.7	41.6	78.4	65.2	48.8	43.9
07/08/2007 15:28	00:05:00	63.1	45.9	87.9	80.3	42.9	78.1	63.5	50.5	45.4
07/08/2007 15:33	00:05:00	62.4	44.7	87.2	76.4	41.8	74.9	65.3	50.2	43.6
07/08/2007 15:38	00:05:00	55.5	43.7	80.3	75.2	42.1	70.7	51.1	46.7	43.2
07/08/2007 15:43	00:05:00	50.0	45.8	74.8	63.0	43.1	60.8	50.6	48.1	45.4
07/08/2007 15:48	00:05:00	63.2	46.4	87.9	79.5	44.5	76.1	63.3	48.8	45.9
07/08/2007 15:53	00:05:00	59.2	45.1	84.0	74.1	43.1	72.1	61.9	46.7	44.6
07/08/2007 15:58	00:05:00	62.1	46.7	86.9	80.6	43.6	78.1	55.0	48.6	46.3
07/08/2007 16:03	00:05:00	61.8	47.1	86.5	78.7	44.8	74.9	66.3	49.5	46.8
07/08/2007 16:08	00:05:00	62.3	46.5	87.1	79.1	44.4	77.2	58.9	49.3	46.0
07/08/2007 16:13	00:05:00	59.8	45.5	84.6	75.9	43.7	74.4	55.8	47.7	45.1
07/08/2007 16:18	00:05:00	57.3	48.3	82.1	72.7	46.7	70.3	58.6	50.5	48.0
07/08/2007 16:23	00:05:00	58.3	44.9	83.1	78.1	42.6	73.6	55.5	47.2	44.1
07/08/2007 16:28	00:05:00	65.4	45.9	90.1	86.5	44.3	78.5	62.4	48.1	45.4
07/08/2007 16:33	00:05:00	62.1	45.7	86.9	77.4	43.1	74.7	67.5	49.4	44.8
07/08/2007 16:38	00:05:00	56.5	46.0	81.2	76.2	43.9	71.1	54.6	48.8	45.5
07/08/2007 16:43	00:05:00	58.9	46.0	83.6	76.3	44.6	73.8	59.0	49.6	45.8
07/08/2007 16:48	00:05:00	59.6	46.6	84.3	75.5	42.9	72.2	61.8	49.3	45.9
07/08/2007 16:53	00:05:00	59.1	45.3	83.8	77.9	42.7	74.3	58.9	48.2	44.4
07/08/2007 16:58	00:05:00	64.1	45.5	88.8	84.5	43.1	78.4	61.4	49.3	44.8
07/08/2007 17:03	00:05:00	63.6	45.2	88.3	79.8	43.2	77.9	64.4	48.4	44.6
07/08/2007 17:08	00:05:00	64.9	46.8	89.6	78.6	44.7	77.0	69.0	49.3	46.2
07/08/2007 17:13	00:05:00	59.0	46.1	83.7	78.9	44.3	74.8	51.8	48.2	45.7
07/08/2007 17:18	00:05:00	62.4	46.6	87.1	81.2	44.8	77.2	61.0	48.8	46.2
07/08/2007 17:23	00:05:00	59.4	47.6	84.1	74.5	45.2	72.5	57.6	50.0	46.9
07/08/2007 17:28	00:05:00	62.0	47.1	86.8	76.9	45.4	75.8	63.5	50.2	46.5
07/08/2007 17:33	00:05:00	63.5	47.2	88.3	82.1	44.5	78.4	57.3	49.4	46.6
07/08/2007 17:38	00:05:00	61.4	45.5	86.2	75.9	43.1	73.6	63.8	48.1	44.9
07/08/2007 17:43	00:05:00	60.0	46.2	84.8	77.1	43.5	75.8	61.0	48.6	45.6
07/08/2007 17:48	00:05:00	63.8	45.4	88.6	83.4	42.5	78.8	53.3	47.1	45.0
07/08/2007 17:53	00:05:00	62.1	46.4	86.9	76.7	45.3	74.5	64.5	48.4	46.2
07/08/2007 17:58	00:05:00	64.6	46.5	89.3	83.3	44.4	77.7	64.2	48.8	45.9
07/08/2007 18:03	00:05:00	62.4	47.1	87.1	78.9	45.5	75.9	60.0	49.0	46.8
07/08/2007 18:08	00:05:00	59.6	47.3	84.4	77.6	45.5	75.5	52.2	48.9	47.0
07/08/2007 18:13	00:05:00	62.9	47.8	87.6	79.0	45.9	75.9	61.4	50.1	47.4
07/08/2007 18:18	00:05:00	62.0	47.7	86.8	79.3	45.7	76.8	57.3	49.6	47.3
07/08/2007 18:23	00:05:00	60.5	47.1	85.3	78.5	44.1	75.7	59.0	50.1	46.7
07/08/2007 18:28	00:05:00	67.0	48.6	91.8	85.6	45.5	79.5	69.0	51.4	48.0
07/08/2007 18:33	00:05:00	62.3	47.1	87.1	75.5	45.4	74.3	63.4	49.1	46.8
07/08/2007 18:38	00:05:00	61.8	47.6	86.6	78.6	44.2	75.4	60.8	51.2	47.0
07/08/2007 18:43	00:05:00	58.8	47.4	83.5	76.1	44.9	74.8	53.6	49.3	46.6
07/08/2007 18:48	00:05:00	62.0	47.7	86.8	77.0	45.8	76.1	64.6	51.4	47.2
07/08/2007 18:53	00:05:00	62.1	48.4	86.9	86.4	46.5	76.7	60.9	50.1	47.7
07/08/2007 18:58	00:05:00	63.7	47.4	88.5	79.8	45.3	77.9	64.9	49.7	47.0
07/08/2007 19:03	00:05:00	49.7	47.3	74.5	62.4	45.9	55.7	51.5	48.6	46.8
07/08/2007 19:08	00:05:00	63.8	47.9	88.5	79.6	45.9	76.9	61.8	50.0	47.5
07/08/2007 19:13	00:05:00	59.9	46.1	84.7	75.4	44.2	74.0	59.6	48.5	45.7
07/08/2007 19:18	00:05:00	49.5	46.4	74.3	56.4	44.1	54.4	52.0	48.8	46.0
07/08/2007 19:23	00:05:00	63.0	48.5	87.8	78.3	46.2	75.1	66.2	50.9	48.1
07/08/2007 19:28	00:05:00	66.7	48.3	91.5	84.9	46.1	80.0	64.8	50.9	47.8
07/08/2007 19:33	00:05:00	59.9	48.4	84.7	77.1	45.5	74.2	58.3	51.0	48.0
07/08/2007 19:38	00:05:00	60.1	46.9	84.8	75.2	44.1	73.1	58.9	49.9	46.3
07/08/2007 19:43	00:05:00	70.4	47.9	95.2	101.9	45.0	73.2	61.0	51.0	47.4
07/08/2007 19:48	00:05:00	57.8	44.4	82.6	74.3	41.7	72.7	57.8	49.2	43.8
07/08/2007 19:53	00:05:00	56.7	44.2	81.5	74.8	41.5	70.5	53.2	47.6	43.7
07/08/2007 19:58	00:05:00	63.5	47.1	88.3	78.6	44.4	77.9	63.1	49.4	46.4
07/08/2007 20:03	00:05:00	61.3	47.4	86.0	79.6	43.7	75.2	55.4	50.2	46.5
07/08/2007 20:08	00:05:00	53.7	45.7	78.5	69.2	43.7	67.3	54.8	49.2	45.4
07/08/2007 20:13	00:05:00	57.0	46.2	81.7	71.8	44.2	69.4	56.5	49.2	45.7
07/08/2007 20:18	00:05:00	55.7	45.7	80.5	73.1	42.8	70.5	55.2	49.5	44.8
07/08/2007 20:23	00:05:00	60.3	46.5	85.1	76.8	43.2	73.2	63.7	50.0	45.7

Noise Logging at 1 Mill Lane										
Start Time	Duration	LAeq	LA90	LAE	LAmx	LAmn	LA01	LA10	LA50	LA95
07/08/2007 20:28	00:05:00	62.9	46.3	87.6	81.8	43.3	77.6	56.1	50.2	45.1
07/08/2007 20:33	00:05:00	61.2	45.9	85.9	78.5	43.7	75.9	54.1	48.5	45.3
07/08/2007 20:38	00:05:00	58.1	46.4	82.9	75.1	43.1	73.3	54.5	49.5	45.6
07/08/2007 20:43	00:05:00	56.3	44.1	81.0	71.8	40.7	70.2	56.8	48.2	43.4
07/08/2007 20:48	00:05:00	57.0	45.6	81.8	73.5	43.2	71.7	55.2	48.0	44.9
07/08/2007 20:53	00:05:00	56.4	42.4	81.1	72.6	40.1	71.4	52.4	46.8	41.6
07/08/2007 20:58	00:05:00	61.7	43.9	86.5	81.2	41.3	78.3	56.7	47.1	43.4
07/08/2007 21:03	00:05:00	57.0	42.9	81.8	77.2	39.9	72.2	50.8	46.7	42.4
07/08/2007 21:08	00:05:00	62.6	44.0	87.4	78.6	42.3	77.2	56.6	47.1	43.6
07/08/2007 21:13	00:05:00	50.6	44.5	75.4	64.2	39.5	58.8	53.9	48.3	43.5
07/08/2007 21:18	00:05:00	46.5	43.1	71.3	58.8	39.1	52.4	48.6	45.7	42.3
07/08/2007 21:23	00:05:00	58.1	42.6	82.9	79.6	38.8	73.3	50.8	45.7	41.5
07/08/2007 21:28	00:05:00	55.7	42.4	80.5	73.2	39.1	71.2	48.3	45.1	41.2
07/08/2007 21:33	00:05:00	63.8	41.8	88.6	79.9	40.0	78.0	60.3	45.4	41.2
07/08/2007 21:38	00:05:00	61.8	41.9	86.6	76.4	38.1	74.7	64.8	46.5	40.8
07/08/2007 21:43	00:05:00	59.2	42.8	83.9	76.4	40.3	74.5	54.7	47.5	41.9
07/08/2007 21:48	00:05:00	62.2	43.5	86.9	76.9	40.3	74.7	64.2	47.2	42.9
07/08/2007 21:53	00:05:00	60.1	43.1	84.9	73.3	40.3	72.0	62.6	48.8	42.4
07/08/2007 21:58	00:05:00	60.5	43.2	85.3	77.0	40.5	74.9	58.3	47.0	42.3
07/08/2007 22:03	00:05:00	65.7	43.4	90.5	78.5	40.4	77.1	71.3	47.6	42.3
07/08/2007 22:08	00:05:00	64.2	40.9	88.9	79.8	38.8	76.4	67.2	45.6	40.4
07/08/2007 22:13	00:05:00	63.5	44.7	88.2	76.1	40.1	74.4	68.6	49.5	43.6
07/08/2007 22:18	00:05:00	52.4	40.6	77.2	72.2	38.3	66.2	48.7	44.2	39.8
07/08/2007 22:23	00:05:00	59.0	42.3	83.8	73.3	39.8	72.2	62.2	47.4	41.3
07/08/2007 22:28	00:05:00	61.6	43.7	86.4	79.6	40.0	76.9	63.1	49.6	42.6
07/08/2007 22:33	00:05:00	62.3	42.6	87.1	84.1	38.5	76.3	57.8	47.8	40.9
07/08/2007 22:38	00:05:00	55.9	40.1	80.6	74.1	37.8	71.7	47.8	42.7	39.5
07/08/2007 22:43	00:05:00	42.7	39.1	67.5	49.0	36.3	47.3	45.3	41.9	38.4
07/08/2007 22:48	00:05:00	63.1	40.5	87.9	78.3	36.6	74.5	68.6	46.2	39.5
07/08/2007 22:53	00:05:00	50.2	39.1	75.0	66.8	35.5	64.6	47.0	42.8	38.1
07/08/2007 22:58	00:05:00	58.9	37.8	83.7	73.5	34.7	70.4	63.9	44.2	37.2
07/08/2007 23:03	00:05:00	55.0	37.2	79.8	70.9	33.7	67.2	57.1	44.0	35.4
07/08/2007 23:08	00:05:00	58.0	38.5	82.7	70.9	35.8	68.8	63.6	45.1	37.1
07/08/2007 23:13	00:05:00	57.4	35.0	82.2	73.9	33.0	72.4	55.3	41.8	34.2
07/08/2007 23:18	00:05:00	60.1	39.0	84.9	78.0	36.5	75.5	49.0	43.8	38.4
07/08/2007 23:23	00:05:00	41.9	37.2	66.7	52.1	35.5	48.7	44.9	40.7	36.8
07/08/2007 23:28	00:05:00	55.0	40.5	79.8	71.7	36.8	70.3	48.8	44.7	39.5
07/08/2007 23:33	00:05:00	45.4	41.1	70.2	53.6	37.7	50.4	47.5	44.9	40.0
07/08/2007 23:38	00:05:00	55.3	42.1	80.1	71.6	41.0	70.1	50.9	47.4	41.8
07/08/2007 23:43	00:05:00	56.8	42.8	81.6	73.9	40.0	72.1	49.2	46.9	41.4
07/08/2007 23:48	00:05:00	44.1	40.3	68.9	50.7	38.4	49.0	46.7	43.3	39.7
07/08/2007 23:53	00:05:00	42.9	38.1	67.7	53.3	36.5	48.0	45.4	42.5	37.6
07/08/2007 23:58	00:05:00	55.2	40.2	80.0	74.5	37.3	72.2	48.8	43.8	38.9
08/08/2007 00:03	00:05:00	44.0	39.2	68.7	51.9	37.5	49.2	46.8	43.0	38.8
08/08/2007 00:08	00:05:00	55.6	38.5	80.3	71.5	36.8	70.6	47.1	42.0	38.0
08/08/2007 00:13	00:05:00	56.7	38.4	81.5	74.7	36.1	72.2	48.3	42.2	38.0
08/08/2007 00:18	00:05:00	41.0	35.8	65.8	49.3	33.9	47.7	45.0	38.4	35.0
08/08/2007 00:23	00:05:00	41.8	36.1	66.6	51.9	34.0	49.0	46.2	38.4	35.8
08/08/2007 00:28	00:05:00	41.7	35.7	66.5	49.5	34.1	47.6	44.8	40.6	35.2
08/08/2007 00:33	00:05:00	40.6	36.9	65.3	48.2	35.1	46.2	43.5	39.2	36.5
08/08/2007 00:38	00:05:00	51.3	36.2	76.1	69.0	33.8	67.3	47.5	40.6	35.7
08/08/2007 00:43	00:05:00	42.6	37.6	67.4	50.4	34.5	49.4	46.3	40.6	36.5
08/08/2007 00:48	00:05:00	40.6	35.6	65.4	48.7	34.0	47.7	44.9	37.6	35.3
08/08/2007 00:53	00:05:00	57.0	36.2	81.7	75.7	34.4	73.0	46.9	40.8	35.7
08/08/2007 00:58	00:05:00	41.2	37.9	66.0	48.3	35.9	47.2	44.4	39.8	37.4
08/08/2007 01:03	00:05:00	47.3	37.9	72.0	61.4	36.2	58.8	49.7	40.8	37.4
08/08/2007 01:08	00:05:00	42.9	36.1	67.7	55.5	34.0	51.9	45.8	39.7	35.5
08/08/2007 01:13	00:05:00	39.6	35.0	64.4	53.6	33.8	46.8	43.0	37.4	34.7
08/08/2007 01:18	00:05:00	39.2	34.5	63.9	45.7	32.9	44.5	42.8	36.9	34.3
08/08/2007 01:23	00:05:00	56.0	34.4	80.8	73.8	32.7	71.4	45.3	36.2	34.1
08/08/2007 01:28	00:05:00	39.0	34.7	63.8	46.1	33.3	45.1	42.4	37.2	34.2
08/08/2007 01:33	00:05:00	38.5	34.8	63.2	48.1	33.5	45.9	42.2	36.0	34.5
08/08/2007 01:38	00:05:00	39.9	35.0	64.7	48.7	33.7	46.8	43.8	37.0	34.7
08/08/2007 01:43	00:05:00	54.3	39.5	79.1	70.5	37.2	69.4	44.3	42.2	38.5
08/08/2007 01:48	00:05:00	43.1	40.3	67.9	52.7	39.4	48.3	45.3	42.4	40.1
08/08/2007 01:53	00:05:00	49.1	41.0	73.8	66.7	40.0	63.3	46.2	42.5	40.9
08/08/2007 01:58	00:05:00	42.0	40.0	66.8	48.7	39.1	46.8	44.5	40.9	39.8
08/08/2007 02:03	00:05:00	40.3	37.9	65.1	46.5	36.2	44.6	42.4	39.9	37.4
08/08/2007 02:08	00:05:00	53.4	39.0	78.1	70.3	37.5	68.6	47.8	42.5	38.7

Noise Logging at 1 Mill Lane										
Start Time	Duration	LAeq	LA90	LAE	LAmx	LAmn	LA01	LA10	LA50	LA95
08/08/2007 02:13	00:05:00	40.7	36.4	65.5	55.1	34.7	46.7	44.4	38.8	36.1
08/08/2007 02:18	00:05:00	40.6	36.7	65.4	52.4	35.3	50.2	42.2	38.2	36.4
08/08/2007 02:23	00:05:00	40.3	36.4	65.1	50.7	35.1	47.8	43.0	38.5	36.1
08/08/2007 02:28	00:05:00	39.9	37.1	64.7	46.9	35.8	45.5	42.5	38.7	36.9
08/08/2007 02:33	00:05:00	39.8	37.3	64.5	46.4	35.8	45.1	41.6	39.0	36.9
08/08/2007 02:38	00:05:00	56.0	37.6	80.8	66.6	35.4	65.0	62.0	44.7	37.1
08/08/2007 02:43	00:05:00	54.8	36.0	79.6	71.4	34.6	69.9	43.9	38.5	35.7
08/08/2007 02:48	00:05:00	41.5	37.5	66.2	48.7	35.8	47.2	44.9	39.7	36.7
08/08/2007 02:53	00:05:00	41.6	38.8	66.4	47.6	37.5	46.3	44.3	40.8	38.5
08/08/2007 02:58	00:05:00	42.3	39.3	67.0	52.0	37.3	48.2	44.5	41.5	38.6
08/08/2007 03:03	00:05:00	41.4	37.5	66.2	47.7	35.9	45.5	44.1	40.9	37.0
08/08/2007 03:08	00:05:00	39.0	37.3	63.8	45.1	35.7	43.0	40.5	38.6	37.0
08/08/2007 03:13	00:05:00	39.8	37.3	64.6	47.4	36.2	44.0	42.2	39.2	37.0
08/08/2007 03:18	00:05:00	54.7	37.4	79.5	70.8	35.1	66.8	58.0	40.9	36.6
08/08/2007 03:23	00:05:00	45.0	39.0	69.7	61.0	37.3	54.8	46.8	41.4	38.4
08/08/2007 03:28	00:05:00	51.8	39.9	76.6	65.3	37.9	62.5	56.8	43.3	39.4
08/08/2007 03:33	00:05:00	54.6	38.3	79.3	74.6	36.7	71.1	46.7	39.9	37.8
08/08/2007 03:38	00:05:00	55.8	39.2	80.6	73.1	37.4	71.4	45.6	41.4	38.8
08/08/2007 03:43	00:05:00	42.0	39.0	66.8	48.6	37.5	46.4	44.1	41.3	38.6
08/08/2007 03:48	00:05:00	40.5	38.0	65.3	50.7	36.8	46.4	42.6	39.6	37.7
08/08/2007 03:53	00:05:00	53.3	39.1	78.0	71.7	37.5	69.0	47.6	41.7	38.8
08/08/2007 03:58	00:05:00	41.6	39.5	66.4	49.4	38.0	45.4	43.8	40.7	39.1
08/08/2007 04:03	00:05:00	43.8	40.8	68.6	51.3	39.5	48.2	46.9	42.9	40.5
08/08/2007 04:08	00:05:00	41.8	39.4	66.6	50.0	38.1	46.9	43.6	41.1	39.0
08/08/2007 04:13	00:05:00	43.7	39.9	68.4	51.2	38.4	48.5	46.8	42.4	39.6
08/08/2007 04:18	00:05:00	41.9	39.9	66.6	47.0	38.5	45.6	43.7	41.5	39.5
08/08/2007 04:23	00:05:00	57.0	39.4	81.8	74.1	38.4	72.8	45.2	41.2	39.2
08/08/2007 04:28	00:05:00	52.8	39.4	77.6	73.6	37.7	67.2	45.5	42.2	38.9
08/08/2007 04:33	00:05:00	54.7	40.1	79.4	74.2	38.3	71.4	47.7	42.4	39.8
08/08/2007 04:38	00:05:00	49.8	42.0	74.6	66.3	40.2	64.9	48.8	43.9	41.7
08/08/2007 04:43	00:05:00	57.1	41.0	81.9	71.3	39.4	69.4	61.0	44.1	40.7
08/08/2007 04:48	00:05:00	44.2	40.9	68.9	64.5	38.7	48.2	45.5	43.4	40.5
08/08/2007 04:53	00:05:00	63.1	41.8	87.9	72.7	39.5	71.9	70.8	45.8	41.2
08/08/2007 04:58	00:05:00	41.5	39.2	66.3	48.6	37.8	46.9	44.3	40.3	39.0
08/08/2007 05:03	00:05:00	57.0	40.0	81.8	75.2	39.1	70.9	57.7	42.3	39.8
08/08/2007 05:08	00:05:00	43.6	40.1	68.4	58.0	38.8	51.9	45.5	42.1	39.8
08/08/2007 05:13	00:05:00	43.4	41.0	68.1	53.0	39.2	47.6	45.0	43.0	40.6
08/08/2007 05:18	00:05:00	55.9	41.5	80.6	73.7	39.9	70.9	47.5	42.7	41.2
08/08/2007 05:23	00:05:00	43.0	40.8	67.8	49.4	39.6	47.6	45.4	42.1	40.6
08/08/2007 05:28	00:05:00	50.4	41.3	75.1	67.1	39.1	65.2	48.8	42.9	40.7
08/08/2007 05:33	00:05:00	55.0	41.4	79.8	71.1	39.9	69.5	49.9	43.4	41.0
08/08/2007 05:38	00:05:00	46.6	42.7	71.4	55.7	41.3	53.0	50.4	45.2	42.4
08/08/2007 05:43	00:05:00	56.8	43.6	81.6	77.6	41.6	72.8	47.8	45.3	43.2
08/08/2007 05:48	00:05:00	51.0	42.6	75.8	68.3	41.7	66.6	47.5	44.2	42.4
08/08/2007 05:53	00:05:00	49.9	43.6	74.6	62.5	41.7	60.0	54.3	45.3	43.2
08/08/2007 05:58	00:05:00	57.7	43.1	82.4	75.5	41.7	74.0	47.7	44.9	42.8
08/08/2007 06:03	00:05:00	49.7	44.2	74.4	68.5	42.8	61.1	51.6	46.3	43.9
08/08/2007 06:08	00:05:00	48.0	43.5	72.8	58.7	42.1	56.4	51.1	46.0	43.2
08/08/2007 06:13	00:05:00	59.1	44.8	83.8	77.1	43.1	75.0	54.2	47.2	44.4
08/08/2007 06:18	00:05:00	47.6	44.7	72.4	59.5	43.6	53.9	49.9	46.5	44.5
08/08/2007 06:23	00:05:00	54.4	47.0	79.2	67.5	45.5	65.3	58.0	49.3	46.6
08/08/2007 06:28	00:05:00	52.2	46.4	77.0	64.6	44.4	62.4	53.3	49.5	45.8
08/08/2007 06:33	00:05:00	53.6	44.9	78.4	68.6	43.1	66.4	54.5	47.0	44.3
08/08/2007 06:38	00:05:00	63.2	46.1	88.0	87.9	44.2	76.9	59.3	48.4	45.6
08/08/2007 06:43	00:05:00	56.3	46.2	81.1	73.4	44.3	71.0	51.4	48.0	45.9
08/08/2007 06:48	00:05:00	55.2	46.3	79.9	70.2	44.9	68.8	55.4	48.6	46.0
08/08/2007 06:53	00:05:00	63.6	47.4	88.4	82.6	45.7	79.5	60.1	50.4	46.9
08/08/2007 06:58	00:05:00	55.8	47.8	80.6	66.8	45.8	65.0	60.8	49.5	47.5
08/08/2007 07:03	00:05:00	60.2	46.7	85.0	79.1	45.2	76.3	56.0	49.9	46.5
08/08/2007 07:08	00:05:00	53.0	46.5	77.8	68.2	44.7	66.3	51.9	49.0	46.1
08/08/2007 07:13	00:05:00	56.1	47.0	80.9	73.7	45.3	69.4	54.0	48.7	46.5
08/08/2007 07:18	00:05:00	61.6	48.8	86.4	76.5	46.6	74.6	62.6	51.1	48.2
08/08/2007 07:23	00:05:00	61.4	48.4	86.1	77.7	46.8	75.4	58.2	50.3	48.1
08/08/2007 07:28	00:05:00	69.1	47.9	93.9	95.8	46.0	80.2	66.0	51.5	47.2
08/08/2007 07:33	00:05:00	63.7	48.8	88.5	88.5	47.0	76.7	52.7	50.1	48.5
08/08/2007 07:38	00:05:00	60.6	48.6	85.3	81.2	46.5	73.7	55.1	50.6	48.1
08/08/2007 07:43	00:05:00	60.5	48.9	85.3	75.9	46.0	72.5	62.7	51.1	48.1
08/08/2007 07:48	00:05:00	57.9	47.7	82.6	74.0	44.9	72.3	53.7	49.9	46.7
08/08/2007 07:53	00:05:00	59.0	48.5	83.7	75.0	46.0	72.8	55.8	49.9	47.9

Noise Logging at 1 Mill Lane										
Start Time	Duration	LAeq	LA90	LAE	LAmx	LAmn	LA01	LA10	LA50	LA95
08/08/2007 07:58	00:05:00	63.9	46.6	88.7	83.7	44.7	77.5	59.9	48.8	46.2
08/08/2007 08:03	00:05:00	61.1	47.7	85.9	76.8	45.7	73.8	58.4	50.0	47.2
08/08/2007 08:08	00:05:00	61.3	48.4	86.0	77.2	45.3	73.9	62.2	50.0	47.7
08/08/2007 08:13	00:05:00	53.0	48.2	77.7	66.6	45.8	65.1	52.4	49.8	47.8
08/08/2007 08:18	00:05:00	58.5	46.4	83.3	76.1	44.4	73.7	55.0	49.8	45.9
08/08/2007 08:23	00:05:00	59.0	47.2	83.8	76.8	45.3	71.9	61.6	49.7	46.7
08/08/2007 08:28	00:05:00	63.1	48.1	87.9	82.5	46.1	75.9	66.5	51.4	47.6
08/08/2007 08:33	00:05:00	61.4	47.5	86.2	76.6	46.1	75.1	60.9	49.4	47.2
08/08/2007 08:38	00:05:00	60.0	47.5	84.8	79.1	44.8	74.6	55.1	49.7	46.8
08/08/2007 08:43	00:05:00	62.3	47.6	87.0	76.4	44.2	75.3	64.7	50.0	47.0
08/08/2007 08:48	00:05:00	56.0	46.8	80.8	73.5	45.0	70.8	50.8	48.4	46.4
08/08/2007 08:53	00:05:00	61.5	47.9	86.3	77.3	46.2	76.0	56.3	49.4	47.5
08/08/2007 08:58	00:05:00	58.3	47.2	83.1	74.1	45.2	71.2	56.3	49.3	46.8
08/08/2007 09:03	00:05:00	64.1	46.0	88.8	80.9	43.9	78.0	63.0	48.9	45.4
08/08/2007 09:08	00:05:00	62.3	46.4	87.1	77.5	44.6	75.4	65.2	48.4	46.0
08/08/2007 09:13	00:05:00	60.9	46.4	85.7	77.8	44.3	75.9	57.1	48.8	45.8
08/08/2007 09:18	00:05:00	63.3	46.3	88.0	78.3	43.4	76.4	67.2	49.9	45.7
08/08/2007 09:23	00:05:00	51.5	46.0	76.3	68.1	44.1	65.3	50.1	47.8	45.6
08/08/2007 09:28	00:05:00	62.6	46.2	87.4	79.8	44.1	77.7	60.5	49.0	45.7
08/08/2007 09:33	00:05:00	62.0	47.4	86.8	76.1	44.8	74.4	65.2	51.5	46.7
08/08/2007 09:38	00:05:00	61.8	45.5	86.6	77.5	42.7	75.2	61.1	48.5	44.6
08/08/2007 09:43	00:05:00	57.2	48.7	82.0	70.6	46.0	68.8	58.6	53.0	48.0
08/08/2007 09:48	00:05:00	59.1	47.4	83.9	75.3	45.5	73.0	56.4	50.2	46.8
08/08/2007 09:53	00:05:00	60.5	47.5	85.2	76.9	43.1	72.7	63.7	49.9	46.5
08/08/2007 09:58	00:05:00	62.2	47.1	87.0	79.5	43.8	77.5	56.2	49.4	46.5
08/08/2007 10:03	00:05:00	62.4	46.1	87.1	77.0	43.9	74.1	65.1	48.1	45.5
08/08/2007 10:08	00:05:00	49.5	46.4	74.3	62.3	44.3	54.2	51.8	48.6	45.9
08/08/2007 10:13	00:05:00	59.1	46.9	83.9	77.9	44.9	74.5	54.6	48.9	46.5
08/08/2007 10:18	00:05:00	61.0	46.8	85.8	75.0	44.6	72.0	65.8	50.6	46.5
08/08/2007 10:23	00:05:00	58.4	46.1	83.2	77.5	42.1	71.5	56.6	48.7	45.4
08/08/2007 10:28	00:05:00	63.0	47.4	87.8	83.8	45.3	77.3	56.8	48.8	46.9
08/08/2007 10:33	00:05:00	61.6	47.2	86.3	75.5	44.2	74.2	66.0	49.9	46.2
08/08/2007 10:38	00:05:00	48.1	45.5	72.9	58.4	43.4	53.8	50.1	47.5	45.0
08/08/2007 10:43	00:05:00	55.5	46.1	80.2	77.7	44.4	68.6	54.3	47.9	45.8
08/08/2007 10:48	00:05:00	58.7	46.4	83.4	78.9	44.7	71.9	58.0	49.2	46.1
08/08/2007 10:53	00:05:00	59.1	46.8	83.8	80.4	44.1	73.7	55.5	49.6	45.9
08/08/2007 10:58	00:05:00	61.2	48.0	86.0	76.8	46.1	75.8	62.1	50.2	47.5
08/08/2007 11:03	00:05:00	62.9	46.9	87.7	84.0	44.8	76.3	66.4	49.2	46.3
08/08/2007 11:08	00:05:00	65.8	46.6	90.6	77.9	44.1	77.3	66.6	49.6	46.0
08/08/2007 11:13	00:05:00	59.3	43.7	84.0	78.9	40.6	75.7	50.5	47.3	42.7
08/08/2007 11:18	00:05:00	60.0	43.4	84.8	75.5	39.9	72.3	60.4	47.5	42.1
08/08/2007 11:23	00:05:00	56.9	44.4	81.6	76.2	42.5	72.5	51.2	46.3	44.0
08/08/2007 11:28	00:05:00	64.8	46.5	89.6	85.1	44.7	78.1	61.6	48.8	46.1
08/08/2007 11:33	00:05:00	61.9	45.2	86.6	78.8	40.9	75.4	62.2	49.2	44.2
08/08/2007 11:38	00:05:00	47.7	44.9	72.5	59.4	41.5	53.3	49.5	47.2	44.5
08/08/2007 11:43	00:05:00	58.1	46.5	82.8	75.6	44.1	73.9	52.0	48.0	46.0
08/08/2007 11:48	00:05:00	60.2	45.9	85.0	76.4	43.7	73.7	58.0	48.0	45.4
08/08/2007 11:53	00:05:00	59.4	45.7	84.1	75.6	43.2	73.5	57.8	48.1	45.1
08/08/2007 11:58	00:05:00	62.7	44.4	87.4	78.5	41.9	77.3	59.8	47.7	43.7
08/08/2007 12:03	00:05:00	62.3	47.7	87.1	79.0	44.4	75.2	62.3	50.2	47.0
08/08/2007 12:08	00:05:00	48.3	46.3	73.1	55.4	44.2	51.8	50.0	48.0	46.0
08/08/2007 12:13	00:05:00	49.2	43.7	74.0	63.1	41.2	61.7	49.7	46.3	43.2
08/08/2007 12:18	00:05:00	62.6	45.7	87.4	77.9	43.8	75.9	63.0	48.2	45.2
08/08/2007 12:23	00:05:00	61.1	46.8	85.9	77.5	43.7	73.3	66.0	49.9	46.2
08/08/2007 12:28	00:05:00	64.5	45.2	89.2	85.7	42.9	78.6	60.4	48.4	44.6
08/08/2007 12:33	00:05:00	60.1	45.0	84.9	79.4	43.1	74.9	51.9	47.5	44.4
08/08/2007 12:38	00:05:00	61.1	45.8	85.9	76.6	42.8	74.3	55.0	48.3	44.9
08/08/2007 12:43	00:05:00	57.4	44.8	82.2	77.1	43.3	72.6	51.6	47.0	44.4
08/08/2007 12:48	00:05:00	60.0	44.0	84.8	74.1	41.9	72.5	60.4	47.9	43.4
08/08/2007 12:53	00:05:00	46.4	42.9	71.2	59.2	40.7	52.7	48.1	45.6	42.1
08/08/2007 12:58	00:05:00	64.6	44.7	89.4	82.8	43.1	78.7	60.8	47.8	44.3
08/08/2007 13:03	00:05:00	66.2	45.0	90.9	91.6	41.2	76.5	63.8	48.4	43.9
08/08/2007 13:08	00:05:00	59.4	44.3	84.1	77.8	40.8	76.1	51.2	47.3	43.6
08/08/2007 13:13	00:05:00	48.5	45.2	73.2	54.4	43.5	53.7	51.2	47.4	44.9
08/08/2007 13:18	00:05:00	56.1	45.3	80.8	73.0	41.6	71.2	51.1	48.1	44.3
08/08/2007 13:23	00:05:00	58.5	46.1	83.3	76.4	43.6	71.9	55.7	48.3	45.6
08/08/2007 13:28	00:05:00	63.6	44.6	88.4	81.2	41.2	78.1	62.9	48.3	43.5
08/08/2007 13:33	00:05:00	61.3	47.3	86.1	78.7	45.2	75.7	61.1	50.6	46.9
08/08/2007 13:38	00:05:00	62.7	46.8	87.5	79.4	44.6	75.8	65.6	49.2	46.1

Noise Logging at 1 Mill Lane										
Start Time	Duration	LAeq	LA90	LAE	LAmx	Lamin	LA01	LA10	LA50	LA95
08/08/2007 13:43	00:05:00	46.4	43.2	71.2	57.7	40.8	52.6	48.8	45.3	42.7
08/08/2007 13:48	00:05:00	60.8	46.6	85.6	76.3	44.7	74.3	61.5	48.6	46.1
08/08/2007 13:53	00:05:00	55.1	46.8	79.9	73.2	44.3	68.4	55.6	49.9	46.2
08/08/2007 13:58	00:05:00	61.7	45.2	86.5	81.2	43.2	78.4	50.5	46.8	44.9
08/08/2007 14:03	00:05:00	65.0	45.1	89.8	89.1	42.3	77.0	66.9	50.8	44.4
08/08/2007 14:08	00:05:00	59.1	46.4	83.9	78.3	43.2	75.1	54.5	49.1	45.7
08/08/2007 14:13	00:05:00	56.6	45.8	81.4	69.2	44.1	67.8	58.5	48.1	45.4
08/08/2007 14:18	00:05:00	58.9	43.8	83.7	75.2	41.9	73.1	53.4	45.6	43.4
08/08/2007 14:23	00:05:00	61.5	43.6	86.3	82.8	41.8	76.1	53.8	47.4	43.1
08/08/2007 14:28	00:05:00	63.3	46.1	88.1	83.3	44.5	77.9	57.8	49.2	45.7
08/08/2007 14:33	00:05:00	60.9	45.3	85.7	76.2	43.3	73.2	64.1	49.2	44.7
08/08/2007 14:38	00:05:00	63.0	44.0	87.8	83.3	40.9	74.9	62.8	46.6	43.4
08/08/2007 14:43	00:05:00	54.1	47.5	78.9	69.5	43.6	67.7	53.0	50.0	45.9
08/08/2007 14:48	00:05:00	62.5	46.2	87.3	87.7	44.6	74.3	57.8	48.6	45.9
08/08/2007 14:53	00:05:00	67.5	45.7	92.3	95.1	43.2	72.0	51.2	47.7	45.2
08/08/2007 14:58	00:05:00	63.9	44.8	88.6	82.8	43.0	77.1	66.5	47.9	44.1
08/08/2007 15:03	00:05:00	64.4	45.6	89.2	93.1	42.8	74.9	60.6	49.5	44.7
08/08/2007 15:08	00:05:00	55.3	44.0	80.0	75.5	41.8	70.2	49.4	46.0	43.5
08/08/2007 15:13	00:05:00	48.8	44.9	73.6	63.4	42.6	56.4	50.8	47.6	44.2
08/08/2007 15:18	00:05:00	63.3	45.8	88.0	81.0	43.0	78.7	64.0	49.5	45.0
08/08/2007 15:23	00:05:00	66.3	47.3	91.1	93.3	45.1	73.8	66.9	52.1	46.5
08/08/2007 15:28	00:05:00	63.0	46.2	87.7	79.8	44.7	76.9	63.2	49.0	45.8
08/08/2007 15:33	00:05:00	61.5	46.7	86.3	75.0	44.7	73.7	65.7	49.0	46.2
08/08/2007 15:38	00:05:00	56.5	45.8	81.3	75.0	44.4	72.3	54.2	48.1	45.5
08/08/2007 15:43	00:05:00	49.6	45.0	74.4	65.0	43.3	62.7	49.3	46.4	44.6
08/08/2007 15:48	00:05:00	63.0	45.5	87.8	77.9	44.0	76.6	62.3	48.6	45.0
08/08/2007 15:53	00:05:00	59.9	46.7	84.7	75.3	44.9	72.6	63.3	48.7	46.4
08/08/2007 15:58	00:05:00	61.3	47.1	86.0	79.3	45.3	77.7	56.0	49.0	46.7
08/08/2007 16:03	00:05:00	63.6	46.8	88.4	78.3	45.4	75.6	67.5	49.5	46.5
08/08/2007 16:08	00:05:00	58.5	46.3	83.3	76.5	43.8	74.5	51.8	48.2	45.7
08/08/2007 16:13	00:05:00	59.1	45.0	83.9	76.3	42.0	73.7	57.2	48.8	43.9
08/08/2007 16:18	00:05:00	55.9	45.9	80.7	72.8	42.5	70.0	52.7	48.1	45.3
08/08/2007 16:23	00:05:00	61.8	45.1	86.5	78.3	41.9	75.6	62.1	48.4	44.5
08/08/2007 16:28	00:05:00	66.4	47.5	91.2	86.2	44.5	80.5	62.5	49.9	46.9
08/08/2007 16:33	00:05:00	63.2	46.6	88.0	78.9	45.1	76.7	66.5	48.8	46.3
08/08/2007 16:38	00:05:00	57.8	45.0	82.5	78.4	43.4	73.0	50.2	46.8	44.6
08/08/2007 16:43	00:05:00	70.6	46.2	94.5	89.7	43.7	82.0	74.1	59.7	45.5

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X_RMS (Wd)	Y_RMS (Wd)	Z_RMS (Wg)
m/s2	07/08/2007	14:28:49	0:05:00	0.00018	0.00024	0.00043
m/s2	07/08/2007	14:33:49	0:05:00	0.00014	0.00017	0.00032
m/s2	07/08/2007	14:38:49	0:05:00	0.00016	0.00015	0.00041
m/s2	07/08/2007	14:43:49	0:05:00	0.00012	0.00014	0.00027
m/s2	07/08/2007	14:48:49	0:05:00	0.00014	0.00017	0.00031
m/s2	07/08/2007	14:53:49	0:05:00	0.00013	0.00015	0.00029
m/s2	07/08/2007	14:58:49	0:05:00	0.00021	0.00027	0.00049
m/s2	07/08/2007	15:03:49	0:05:00	0.00014	0.00015	0.00032
m/s2	07/08/2007	15:08:49	0:05:00	0.00021	0.00027	0.00057
m/s2	07/08/2007	15:13:49	0:05:00	0.00011	0.00012	0.00023
m/s2	07/08/2007	15:18:49	0:05:00	0.00016	0.0002	0.00037
m/s2	07/08/2007	15:23:49	0:05:00	0.00012	0.00013	0.00028
m/s2	07/08/2007	15:28:49	0:05:00	0.00018	0.0002	0.00043
m/s2	07/08/2007	15:33:49	0:05:00	0.00016	0.00021	0.00039
m/s2	07/08/2007	15:38:49	0:05:00	0.00011	0.00013	0.00024
m/s2	07/08/2007	15:43:49	0:05:00	0.00013	0.00017	0.00033
m/s2	07/08/2007	15:48:49	0:05:00	0.00014	0.00018	0.00032
m/s2	07/08/2007	15:53:49	0:05:00	0.00012	0.00014	0.00026
m/s2	07/08/2007	15:58:49	0:05:00	0.00018	0.00022	0.00041
m/s2	07/08/2007	16:03:49	0:05:00	0.00014	0.00015	0.00027
m/s2	07/08/2007	16:08:49	0:05:00	0.00016	0.0002	0.00042
m/s2	07/08/2007	16:13:49	0:05:00	0.00011	0.00012	0.00023
m/s2	07/08/2007	16:18:49	0:05:00	0.00013	0.00015	0.0003
m/s2	07/08/2007	16:23:49	0:05:00	0.00016	0.00019	0.00033
m/s2	07/08/2007	16:28:49	0:05:00	0.00014	0.00017	0.00036
m/s2	07/08/2007	16:33:49	0:05:00	0.00016	0.00022	0.0004
m/s2	07/08/2007	16:38:49	0:05:00	0.00012	0.00013	0.00027
m/s2	07/08/2007	16:43:49	0:05:00	0.0001	0.00011	0.00021
m/s2	07/08/2007	16:48:49	0:05:00	0.00014	0.00016	0.00032
m/s2	07/08/2007	16:53:49	0:05:00	0.0001	0.00012	0.00024
m/s2	07/08/2007	16:58:49	0:05:00	0.00015	0.00018	0.00034
m/s2	07/08/2007	17:03:49	0:05:00	0.00016	0.0002	0.00042
m/s2	07/08/2007	17:08:49	0:05:00	0.00013	0.00016	0.00033
m/s2	07/08/2007	17:13:49	0:05:00	0.00009	0.0001	0.00022
m/s2	07/08/2007	17:18:49	0:05:00	0.00017	0.00019	0.00039
m/s2	07/08/2007	17:23:49	0:05:00	0.00015	0.0002	0.00039
m/s2	07/08/2007	17:28:49	0:05:00	0.00011	0.00013	0.00028
m/s2	07/08/2007	17:33:49	0:05:00	0.00016	0.00021	0.0004
m/s2	07/08/2007	17:38:49	0:05:00	0.00013	0.00016	0.00033
m/s2	07/08/2007	17:43:49	0:05:00	0.00009	0.00009	0.0002
m/s2	07/08/2007	17:48:49	0:05:00	0.00017	0.00022	0.00041
m/s2	07/08/2007	17:53:49	0:05:00	0.00013	0.00016	0.0003
m/s2	07/08/2007	17:58:49	0:05:00	0.00015	0.00019	0.00035
m/s2	07/08/2007	18:03:49	0:05:00	0.00015	0.00017	0.00032
m/s2	07/08/2007	18:08:49	0:05:00	0.00017	0.0002	0.00039
m/s2	07/08/2007	18:13:49	0:05:00	0.00011	0.00013	0.00027
m/s2	07/08/2007	18:18:49	0:05:00	0.00015	0.00018	0.00034
m/s2	07/08/2007	18:23:49	0:05:00	0.00017	0.00023	0.00044
m/s2	07/08/2007	18:28:49	0:05:00	0.00015	0.00019	0.00037
m/s2	07/08/2007	18:33:49	0:05:00	0.00013	0.00017	0.0003
m/s2	07/08/2007	18:38:49	0:05:00	0.00013	0.00016	0.00031
m/s2	07/08/2007	18:43:49	0:05:00	0.00013	0.00015	0.00034
m/s2	07/08/2007	18:48:49	0:05:00	0.00027	0.0004	0.00085
m/s2	07/08/2007	18:53:49	0:05:00	0.00011	0.00013	0.00025
m/s2	07/08/2007	18:58:49	0:05:00	0.00017	0.00018	0.00036
m/s2	07/08/2007	19:03:49	0:05:00	0.00013	0.00015	0.00034
m/s2	07/08/2007	19:08:49	0:05:00	0.00012	0.00014	0.00029
m/s2	07/08/2007	19:13:49	0:05:00	0.00012	0.00014	0.00029
m/s2	07/08/2007	19:18:49	0:05:00	0.00013	0.00017	0.00033
m/s2	07/08/2007	19:23:49	0:05:00	0.00013	0.00015	0.00027
m/s2	07/08/2007	19:28:49	0:05:00	0.00014	0.00019	0.00036
m/s2	07/08/2007	19:33:49	0:05:00	0.00012	0.00014	0.00028
m/s2	07/08/2007	19:38:49	0:05:00	0.00015	0.00018	0.00036

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X RMS (Wd)	Y RMS (Wd)	Z RMS (Wg)
m/s2	07/08/2007	19:43:49	0:05:00	0.00011	0.00015	0.00028
m/s2	07/08/2007	19:48:49	0:05:00	0.00007	0.00008	0.00015
m/s2	07/08/2007	19:53:49	0:05:00	0.00009	0.00011	0.00021
m/s2	07/08/2007	19:58:49	0:05:00	0.00017	0.0002	0.00038
m/s2	07/08/2007	20:03:49	0:05:00	0.00012	0.00015	0.0003
m/s2	07/08/2007	20:08:49	0:05:00	0.00009	0.0001	0.0002
m/s2	07/08/2007	20:13:49	0:05:00	0.0001	0.00012	0.00024
m/s2	07/08/2007	20:18:49	0:05:00	0.00011	0.00012	0.00021
m/s2	07/08/2007	20:23:49	0:05:00	0.00009	0.00011	0.00021
m/s2	07/08/2007	20:28:49	0:05:00	0.00015	0.00017	0.00032
m/s2	07/08/2007	20:33:49	0:05:00	0.0001	0.00011	0.00023
m/s2	07/08/2007	20:38:49	0:05:00	0.0001	0.00013	0.00027
m/s2	07/08/2007	20:43:49	0:05:00	0.0001	0.00014	0.00025
m/s2	07/08/2007	20:48:49	0:05:00	0.00007	0.00007	0.00014
m/s2	07/08/2007	20:53:49	0:05:00	0.00011	0.00013	0.00022
m/s2	07/08/2007	20:58:49	0:05:00	0.00012	0.00012	0.00025
m/s2	07/08/2007	21:03:49	0:05:00	0.00014	0.00016	0.00028
m/s2	07/08/2007	21:08:49	0:05:00	0.00009	0.00011	0.00019
m/s2	07/08/2007	21:13:49	0:05:00	0.00007	0.00007	0.00013
m/s2	07/08/2007	21:18:49	0:05:00	0.00007	0.00008	0.00015
m/s2	07/08/2007	21:23:49	0:05:00	0.0001	0.00012	0.00019
m/s2	07/08/2007	21:28:49	0:05:00	0.00012	0.00013	0.00027
m/s2	07/08/2007	21:33:49	0:05:00	0.00013	0.00018	0.00032
m/s2	07/08/2007	21:38:49	0:05:00	0.00017	0.00024	0.00043
m/s2	07/08/2007	21:43:49	0:05:00	0.00007	0.00007	0.00013
m/s2	07/08/2007	21:48:49	0:05:00	0.00015	0.00021	0.00041
m/s2	07/08/2007	21:53:49	0:05:00	0.00015	0.0002	0.00037
m/s2	07/08/2007	21:58:49	0:05:00	0.00015	0.00021	0.00048
m/s2	07/08/2007	22:03:49	0:05:00	0.00011	0.00012	0.00024
m/s2	07/08/2007	22:08:49	0:05:00	0.00014	0.00019	0.00031
m/s2	07/08/2007	22:13:49	0:05:00	0.00014	0.00019	0.00035
m/s2	07/08/2007	22:18:49	0:05:00	0.00007	0.00007	0.00013
m/s2	07/08/2007	22:23:49	0:05:00	0.00026	0.00035	0.00058
m/s2	07/08/2007	22:28:49	0:05:00	0.00038	0.00054	0.00097
m/s2	07/08/2007	22:33:49	0:05:00	0.00013	0.00015	0.00028
m/s2	07/08/2007	22:38:49	0:05:00	0.00008	0.0001	0.00018
m/s2	07/08/2007	22:43:49	0:05:00	0.0001	0.00014	0.00022
m/s2	07/08/2007	22:48:49	0:05:00	0.00011	0.00013	0.00022
m/s2	07/08/2007	22:53:49	0:05:00	0.0001	0.00012	0.00022
m/s2	07/08/2007	22:58:49	0:05:00	0.00007	0.00007	0.00012
m/s2	07/08/2007	23:03:49	0:05:00	0.00006	0.00007	0.0001
m/s2	07/08/2007	23:08:49	0:05:00	0.00011	0.00015	0.00026
m/s2	07/08/2007	23:13:49	0:05:00	0.00007	0.00007	0.00012
m/s2	07/08/2007	23:18:49	0:05:00	0.00011	0.00015	0.00022
m/s2	07/08/2007	23:23:49	0:05:00	0.0001	0.00013	0.00023
m/s2	07/08/2007	23:28:49	0:05:00	0.00009	0.00008	0.00022
m/s2	07/08/2007	23:33:49	0:05:00	0.00007	0.00007	0.00012
m/s2	07/08/2007	23:38:49	0:05:00	0.0001	0.00013	0.00026
m/s2	07/08/2007	23:43:49	0:05:00	0.00007	0.00007	0.00012
m/s2	07/08/2007	23:48:49	0:05:00	0.00007	0.00007	0.00011
m/s2	07/08/2007	23:53:49	0:05:00	0.00008	0.0001	0.00018
m/s2	07/08/2007	23:58:49	0:05:00	0.00008	0.00008	0.00017
m/s2	08/08/2007	00:03:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	00:08:49	0:05:00	0.00011	0.00014	0.00028
m/s2	08/08/2007	00:13:49	0:05:00	0.00006	0.00006	0.0001
m/s2	08/08/2007	00:18:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	00:23:49	0:05:00	0.00006	0.00007	0.00011
m/s2	08/08/2007	00:28:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	00:33:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	00:38:49	0:05:00	0.00007	0.00008	0.00011
m/s2	08/08/2007	00:43:49	0:05:00	0.00007	0.00007	0.00014
m/s2	08/08/2007	00:48:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	00:53:49	0:05:00	0.0001	0.00013	0.00022

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X RMS (Wd)	Y RMS (Wd)	Z RMS (Wg)
m/s2	08/08/2007	00:58:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	01:03:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	01:08:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	01:13:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	01:18:49	0:05:00	0.00006	0.00006	0.0001
m/s2	08/08/2007	01:23:49	0:05:00	0.00009	0.00013	0.00021
m/s2	08/08/2007	01:28:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	01:33:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	01:38:49	0:05:00	0.00007	0.00008	0.00013
m/s2	08/08/2007	01:43:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	01:48:49	0:05:00	0.00007	0.00008	0.00012
m/s2	08/08/2007	01:53:49	0:05:00	0.00006	0.00007	0.00009
m/s2	08/08/2007	01:58:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	02:03:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	02:08:49	0:05:00	0.00008	0.00013	0.0002
m/s2	08/08/2007	02:13:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	02:18:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	02:23:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	02:28:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	02:33:49	0:05:00	0.00021	0.00032	0.00067
m/s2	08/08/2007	02:38:49	0:05:00	0.00026	0.00036	0.00081
m/s2	08/08/2007	02:43:49	0:05:00	0.00006	0.00006	0.00004
m/s2	08/08/2007	02:48:49	0:05:00	0.00006	0.00006	0.00007
m/s2	08/08/2007	02:53:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	02:58:49	0:05:00	0.00006	0.00006	0.00004
m/s2	08/08/2007	03:03:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	03:08:49	0:05:00	0.00006	0.00006	0.00004
m/s2	08/08/2007	03:13:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	03:18:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	03:23:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	03:28:49	0:05:00	0.00008	0.00011	0.00018
m/s2	08/08/2007	03:33:49	0:05:00	0.00007	0.00009	0.00015
m/s2	08/08/2007	03:38:49	0:05:00	0.00006	0.00006	0.00009
m/s2	08/08/2007	03:43:49	0:05:00	0.00006	0.00006	0.00004
m/s2	08/08/2007	03:48:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	03:53:49	0:05:00	0.00007	0.00007	0.00011
m/s2	08/08/2007	03:58:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	04:03:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	04:08:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	04:13:49	0:05:00	0.00007	0.00007	0.0001
m/s2	08/08/2007	04:18:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	04:23:49	0:05:00	0.00007	0.00008	0.00012
m/s2	08/08/2007	04:28:49	0:05:00	0.0001	0.00013	0.00023
m/s2	08/08/2007	04:33:49	0:05:00	0.00006	0.00006	0.00005
m/s2	08/08/2007	04:38:49	0:05:00	0.00006	0.00007	0.00009
m/s2	08/08/2007	04:43:49	0:05:00	0.00006	0.00008	0.0001
m/s2	08/08/2007	04:48:49	0:05:00	0.00007	0.00007	0.0001
m/s2	08/08/2007	04:53:49	0:05:00	0.00026	0.00036	0.00067
m/s2	08/08/2007	04:58:49	0:05:00	0.00009	0.00012	0.00022
m/s2	08/08/2007	05:03:49	0:05:00	0.00006	0.00007	0.00011
m/s2	08/08/2007	05:08:49	0:05:00	0.00006	0.00006	0.00006
m/s2	08/08/2007	05:13:49	0:05:00	0.00006	0.00007	0.00011
m/s2	08/08/2007	05:18:49	0:05:00	0.00008	0.00009	0.00017
m/s2	08/08/2007	05:23:49	0:05:00	0.00006	0.00006	0.00008
m/s2	08/08/2007	05:28:49	0:05:00	0.00007	0.00007	0.00014
m/s2	08/08/2007	05:33:49	0:05:00	0.00009	0.00013	0.00023
m/s2	08/08/2007	05:38:49	0:05:00	0.00008	0.00008	0.00017
m/s2	08/08/2007	05:43:49	0:05:00	0.00011	0.00014	0.00024
m/s2	08/08/2007	05:48:49	0:05:00	0.00007	0.00008	0.00013
m/s2	08/08/2007	05:53:49	0:05:00	0.00006	0.00006	0.0001
m/s2	08/08/2007	05:58:49	0:05:00	0.00012	0.00015	0.00029
m/s2	08/08/2007	06:03:49	0:05:00	0.00007	0.0001	0.00015
m/s2	08/08/2007	06:08:49	0:05:00	0.0001	0.00012	0.00022

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X RMS (Wd)	Y RMS (Wd)	Z RMS (Wg)
m/s2	08/08/2007	06:13:49	0:05:00	0.00009	0.0001	0.00021
m/s2	08/08/2007	06:18:49	0:05:00	0.00011	0.00012	0.00023
m/s2	08/08/2007	06:23:49	0:05:00	0.00009	0.0001	0.00024
m/s2	08/08/2007	06:28:49	0:05:00	0.0001	0.00012	0.00022
m/s2	08/08/2007	06:33:49	0:05:00	0.0001	0.00011	0.00021
m/s2	08/08/2007	06:38:49	0:05:00	0.00011	0.00011	0.00025
m/s2	08/08/2007	06:43:49	0:05:00	0.00013	0.00017	0.00035
m/s2	08/08/2007	06:48:49	0:05:00	0.00011	0.00013	0.00025
m/s2	08/08/2007	06:53:49	0:05:00	0.00012	0.00013	0.00026
m/s2	08/08/2007	06:58:49	0:05:00	0.0001	0.00011	0.00025
m/s2	08/08/2007	07:03:49	0:05:00	0.00012	0.00013	0.00027
m/s2	08/08/2007	07:08:49	0:05:00	0.0001	0.00011	0.00023
m/s2	08/08/2007	07:13:49	0:05:00	0.00015	0.0002	0.0004
m/s2	08/08/2007	07:18:49	0:05:00	0.00012	0.00015	0.00031
m/s2	08/08/2007	07:23:49	0:05:00	0.00016	0.00022	0.00037
m/s2	08/08/2007	07:28:49	0:05:00	0.00016	0.0002	0.0004
m/s2	08/08/2007	07:33:49	0:05:00	0.00016	0.00023	0.00042
m/s2	08/08/2007	07:38:49	0:05:00	0.00011	0.00013	0.00027
m/s2	08/08/2007	07:43:49	0:05:00	0.00015	0.0002	0.00041
m/s2	08/08/2007	07:48:49	0:05:00	0.00017	0.00023	0.00046
m/s2	08/08/2007	07:53:49	0:05:00	0.00014	0.00018	0.00034
m/s2	08/08/2007	07:58:49	0:05:00	0.00013	0.00015	0.00031
m/s2	08/08/2007	08:03:49	0:05:00	0.00019	0.00026	0.00044
m/s2	08/08/2007	08:08:49	0:05:00	0.00012	0.00013	0.0003
m/s2	08/08/2007	08:13:49	0:05:00	0.00014	0.00019	0.00035
m/s2	08/08/2007	08:18:49	0:05:00	0.00013	0.00015	0.00031
m/s2	08/08/2007	08:23:49	0:05:00	0.00012	0.00014	0.00028
m/s2	08/08/2007	08:28:49	0:05:00	0.00018	0.00022	0.00046
m/s2	08/08/2007	08:33:49	0:05:00	0.00011	0.00011	0.00026
m/s2	08/08/2007	08:38:49	0:05:00	0.00016	0.00022	0.00044
m/s2	08/08/2007	08:43:49	0:05:00	0.00015	0.0002	0.00038
m/s2	08/08/2007	08:48:49	0:05:00	0.0001	0.0001	0.00026
m/s2	08/08/2007	08:53:49	0:05:00	0.00019	0.00024	0.00043
m/s2	08/08/2007	08:58:49	0:05:00	0.00016	0.00019	0.00041
m/s2	08/08/2007	09:03:49	0:05:00	0.00017	0.00021	0.00041
m/s2	08/08/2007	09:08:49	0:05:00	0.00015	0.00019	0.00032
m/s2	08/08/2007	09:13:49	0:05:00	0.00017	0.00023	0.00045
m/s2	08/08/2007	09:18:49	0:05:00	0.00015	0.00016	0.00035
m/s2	08/08/2007	09:23:49	0:05:00	0.00013	0.00017	0.00032
m/s2	08/08/2007	09:28:49	0:05:00	0.00016	0.00019	0.00037
m/s2	08/08/2007	09:33:49	0:05:00	0.00018	0.00021	0.00042
m/s2	08/08/2007	09:38:49	0:05:00	0.00015	0.0002	0.00036
m/s2	08/08/2007	09:43:49	0:05:00	0.00012	0.00014	0.00027
m/s2	08/08/2007	09:48:49	0:05:00	0.00016	0.0002	0.00037
m/s2	08/08/2007	09:53:49	0:05:00	0.00013	0.00017	0.0003
m/s2	08/08/2007	09:58:49	0:05:00	0.00016	0.00021	0.00041
m/s2	08/08/2007	10:03:49	0:05:00	0.00017	0.00022	0.00041
m/s2	08/08/2007	10:08:49	0:05:00	0.00013	0.00016	0.00026
m/s2	08/08/2007	10:13:49	0:05:00	0.00021	0.00028	0.00052
m/s2	08/08/2007	10:18:49	0:05:00	0.00015	0.0002	0.00033
m/s2	08/08/2007	10:23:49	0:05:00	0.00016	0.00021	0.00048
m/s2	08/08/2007	10:28:49	0:05:00	0.00018	0.00023	0.00041
m/s2	08/08/2007	10:33:49	0:05:00	0.00017	0.00019	0.00039
m/s2	08/08/2007	10:38:49	0:05:00	0.00013	0.00014	0.00024
m/s2	08/08/2007	10:43:49	0:05:00	0.00017	0.0002	0.00037
m/s2	08/08/2007	10:48:49	0:05:00	0.00013	0.00016	0.0003
m/s2	08/08/2007	10:53:49	0:05:00	0.00022	0.00027	0.00052
m/s2	08/08/2007	10:58:49	0:05:00	0.00021	0.00024	0.00044
m/s2	08/08/2007	11:03:49	0:05:00	0.00022	0.00029	0.00049
m/s2	08/08/2007	11:08:49	0:05:00	0.00015	0.00017	0.00033
m/s2	08/08/2007	11:13:49	0:05:00	0.00018	0.00022	0.00044
m/s2	08/08/2007	11:18:49	0:05:00	0.00013	0.00016	0.00023
m/s2	08/08/2007	11:23:49	0:05:00	0.00013	0.00016	0.00024

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X RMS (Wd)	Y RMS (Wd)	Z RMS (Wg)
m/s2	08/08/2007	11:28:49	0:05:00	0.00017	0.0002	0.00034
m/s2	08/08/2007	11:33:49	0:05:00	0.00014	0.00016	0.0003
m/s2	08/08/2007	11:38:49	0:05:00	0.00011	0.00013	0.0002
m/s2	08/08/2007	11:43:49	0:05:00	0.00015	0.0002	0.00035
m/s2	08/08/2007	11:48:49	0:05:00	0.00017	0.00023	0.00041
m/s2	08/08/2007	11:53:49	0:05:00	0.00013	0.00016	0.00029
m/s2	08/08/2007	11:58:49	0:05:00	0.00017	0.0002	0.00035
m/s2	08/08/2007	12:03:49	0:05:00	0.00018	0.00022	0.00036
m/s2	08/08/2007	12:08:49	0:05:00	0.00012	0.00013	0.0003
m/s2	08/08/2007	12:13:49	0:05:00	0.00015	0.0002	0.00036
m/s2	08/08/2007	12:18:49	0:05:00	0.00022	0.00027	0.00051
m/s2	08/08/2007	12:23:49	0:05:00	0.00014	0.00017	0.00032
m/s2	08/08/2007	12:28:49	0:05:00	0.00016	0.00019	0.00034
m/s2	08/08/2007	12:33:49	0:05:00	0.00017	0.0002	0.00033
m/s2	08/08/2007	12:38:49	0:05:00	0.00016	0.0002	0.00037
m/s2	08/08/2007	12:43:49	0:05:00	0.00014	0.00017	0.00033
m/s2	08/08/2007	12:48:49	0:05:00	0.00015	0.00016	0.00029
m/s2	08/08/2007	12:53:49	0:05:00	0.00013	0.00014	0.00026
m/s2	08/08/2007	12:58:49	0:05:00	0.00018	0.00023	0.00038
m/s2	08/08/2007	13:03:49	0:05:00	0.00014	0.00015	0.00027
m/s2	08/08/2007	13:08:49	0:05:00	0.00014	0.00017	0.0003
m/s2	08/08/2007	13:13:49	0:05:00	0.00015	0.00018	0.00027
m/s2	08/08/2007	13:18:49	0:05:00	0.00012	0.00012	0.00021
m/s2	08/08/2007	13:23:49	0:05:00	0.00015	0.00018	0.00034
m/s2	08/08/2007	13:28:49	0:05:00	0.00019	0.0002	0.00038
m/s2	08/08/2007	13:33:49	0:05:00	0.00014	0.00016	0.00031
m/s2	08/08/2007	13:38:49	0:05:00	0.00013	0.00016	0.00028
m/s2	08/08/2007	13:43:49	0:05:00	0.00013	0.00016	0.00028
m/s2	08/08/2007	13:48:49	0:05:00	0.00015	0.00018	0.0003
m/s2	08/08/2007	13:53:49	0:05:00	0.00014	0.00015	0.00028
m/s2	08/08/2007	13:58:49	0:05:00	0.00018	0.0002	0.00039
m/s2	08/08/2007	14:03:49	0:05:00	0.00016	0.00019	0.00032
m/s2	08/08/2007	14:08:49	0:05:00	0.00016	0.00021	0.00036
m/s2	08/08/2007	14:13:49	0:05:00	0.00012	0.00013	0.00025
m/s2	08/08/2007	14:18:49	0:05:00	0.00014	0.00018	0.00032
m/s2	08/08/2007	14:23:49	0:05:00	0.00013	0.00015	0.00027
m/s2	08/08/2007	14:28:49	0:05:00	0.00017	0.00022	0.00039
m/s2	08/08/2007	14:33:49	0:05:00	0.00013	0.00015	0.00029
m/s2	08/08/2007	14:38:49	0:05:00	0.00018	0.00025	0.00044
m/s2	08/08/2007	14:43:49	0:05:00	0.00014	0.00016	0.00025
m/s2	08/08/2007	14:48:49	0:05:00	0.00015	0.00017	0.00033
m/s2	08/08/2007	14:53:49	0:05:00	0.00013	0.00015	0.00028
m/s2	08/08/2007	14:58:49	0:05:00	0.00018	0.00022	0.00039
m/s2	08/08/2007	15:03:49	0:05:00	0.00014	0.00017	0.00031
m/s2	08/08/2007	15:08:49	0:05:00	0.00011	0.00013	0.00023
m/s2	08/08/2007	15:13:49	0:05:00	0.00015	0.00017	0.0003
m/s2	08/08/2007	15:18:49	0:05:00	0.00016	0.0002	0.00034
m/s2	08/08/2007	15:23:49	0:05:00	0.00023	0.0003	0.00061
m/s2	08/08/2007	15:28:49	0:05:00	0.00019	0.00023	0.0004
m/s2	08/08/2007	15:33:49	0:05:00	0.00021	0.00027	0.00049
m/s2	08/08/2007	15:38:49	0:05:00	0.00012	0.00014	0.00021
m/s2	08/08/2007	15:43:49	0:05:00	0.00015	0.00019	0.00036
m/s2	08/08/2007	15:48:49	0:05:00	0.00016	0.0002	0.00036
m/s2	08/08/2007	15:53:49	0:05:00	0.00011	0.00013	0.00024
m/s2	08/08/2007	15:58:49	0:05:00	0.00017	0.00021	0.00041
m/s2	08/08/2007	16:03:49	0:05:00	0.00014	0.00016	0.00031
m/s2	08/08/2007	16:08:49	0:05:00	0.00013	0.00016	0.00028
m/s2	08/08/2007	16:13:49	0:05:00	0.00015	0.00017	0.00033
m/s2	08/08/2007	16:18:49	0:05:00	0.00016	0.00018	0.00032
m/s2	08/08/2007	16:23:49	0:05:00	0.00013	0.00015	0.00027
m/s2	08/08/2007	16:28:49	0:05:00	0.00019	0.00026	0.00045
m/s2	08/08/2007	16:33:49	0:05:00	0.00015	0.00017	0.00031
m/s2	08/08/2007	16:38:49	0:05:00	0.00013	0.00014	0.00028

Vibration Logging at 1 Mill Lane						
Units	Beginning time		Duration	X RMS (Wd)	Y RMS (Wd)	Z RMS (Wg)
m/s2	08/08/2007	16:43:49	0:05:00	0.00013	0.00015	0.00027
m/s2	08/08/2007	16:48:49	0:05:00	0.00016	0.00019	0.00033
m/s2	08/08/2007	16:53:49	0:05:00	0.00012	0.00013	0.00025