



# **West Winch Housing Access Road**

## **Environmental Statement Chapter 10: Noise and Vibration: Appendix 2: Noise Survey Details**

Author: WSP

Document Reference: NCC/3.10.02

Version Number: 001

Date: October 2023



## Contents

1	Noise Survey Details .....	3
1.1	Equipment Details .....	3
1.2	Noise Survey Photographs.....	4
1.3	Noise Survey Results .....	9

### Tables

Table 1.1 – Noise survey equipment details.....	3
Table 1.2 – Full survey data from MP1.....	9
Table 1.3 – Full survey data from MP2.....	12
Table 1.4 – Full survey data from MP3.....	16
Table 1.5 – Full survey data from MP4.....	20

### Figures

Figure 1.1 – Site photograph of noise monitor at MP1 .....	5
Figure 1.2 – Site photograph of noise monitor at MP2 .....	6
Figure 1.3 – Site photograph of noise monitor at MP3 .....	7
Figure 1.4 – Site photograph of noise monitor at MP4 .....	8



# 1 Noise Survey Details

## 1.1 Equipment Details

1.1.1 Table 1-1 presents the details of the equipment used for the noise survey.

**Table 1.1 – Noise survey equipment details**

Measurement Position	Equipment Description	Serial Number
MP1	01dB-METRAVIB Black Solo 'Datalogging Integrating Sound Level Meter'	65811
MP1	01dB-Metravib PRE 21 S	16554
MP1	01dB Metravib MCE 212 Microphone	166394
MP1	01dB-Stell Cal 21	34634224
MP2	01dB-METRAVIB Blue Solo 'Datalogging Integrating Sound Level Meter'	60531
MP2	01dB-MATRAVIB PRE 21 S Preamplifier	16422
MP2	Microtech Gefell GmbH MCE212 Condenser Microphone	333438
MP2	01dB-Stell Cal 21	1558662
MP3	01dB-METRAVIB Blue Solo 'Datalogging Integrating Sound Level Meter'	060845
MP3	01dB-MATRAVIB PRE 21 S Preamplifier	13164
MP3	01dB MCE212 Condenser Microphone	182024
MP3	01dB-Stell Cal 21	51031216
MP4	01dB-Stell Duo 'Datalogging Integrating Sound Level Meter'	10618
MP4	01dB-Stell PRE 22 Preamplifier	10627
MP4	G.R.A.S Type 40CD Condenser Microphone	331635
MP4	01dB Cal 21	34924047

1.1.2 Each meter had been calibrated by an UKAS accredited laboratory within the previous 24 months. The equipment was also field calibrated at the



commencement and conclusion of the survey using the above calibrators, which had themselves been calibrated by an UKAS accredited laboratory within the previous 12 months. No significant drift in the calibration signal was noted.

## **1.2 Noise Survey Photographs**

- 1.2.1 The following site photographs show the sound level meters as installed on site at each position.



**Figure 1.1 – Site photograph of sound level meter at MP1**







**Figure 1.2 – Site photograph of sound level meter at MP2**







**Figure 1.3 – Site photograph of sound level meter at MP3**







**Figure 1.4 – Site photograph of sound level meter at MP4**







### 1.3 Noise Survey Results

**Table 1.2 – Full survey data from MP1**

<b>Period start</b>	<b>L<sub>Aeq</sub>, 1hr</b>	<b>L<sub>A10</sub>,1hr</b>
11/06/2019 14:00	53.9	57.1
11/06/2019 15:00	52.5	55.1
11/06/2019 16:00	51.8	54.2
11/06/2019 17:00	52.4	55.3
11/06/2019 18:00	49.8	51.9
11/06/2019 19:00	48.9	51.7
11/06/2019 20:00	45.6	47.9
11/06/2019 21:00	44.2	46.9
11/06/2019 22:00	46.7	49.2
11/06/2019 23:00	41.0	43.4
12/06/2019 00:00	39.2	41.7
12/06/2019 01:00	40.3	42.5
12/06/2019 02:00	38.0	40.6
12/06/2019 03:00	39.1	41.5
12/06/2019 04:00	42.8	44.7
12/06/2019 05:00	45.7	48.3
12/06/2019 06:00	48.6	51.8
12/06/2019 07:00	48.7	51.7
12/06/2019 08:00	48.0	52.0
12/06/2019 09:00	51.2	54.0
12/06/2019 10:00	44.8	46.9
12/06/2019 11:00	43.3	46.7
12/06/2019 12:00	51.4	53.2
12/06/2019 13:00	46.9	49.3
12/06/2019 14:00	51.9	54.6
12/06/2019 15:00	49.1	50.7
12/06/2019 16:00	51.6	55.0
12/06/2019 17:00	52.6	55.3
12/06/2019 18:00	52.4	53.5
12/06/2019 19:00	49.3	51.6
12/06/2019 20:00	46.0	47.5
12/06/2019 21:00	45.4	45.9
12/06/2019 22:00	42.3	43.8
12/06/2019 23:00	39.3	41.1
13/06/2019 00:00	38.1	41.1
13/06/2019 01:00	37.1	39.3
13/06/2019 02:00	38.3	41.1
13/06/2019 03:00	46.5	48.3
13/06/2019 04:00	50.1	52.6



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
13/06/2019 05:00	50.8	52.6
13/06/2019 06:00	56.6	55.5
13/06/2019 07:00	52.9	56.3
13/06/2019 08:00	54.6	58.1
13/06/2019 09:00	54.9	58.0
13/06/2019 10:00	58.6	58.6
13/06/2019 11:00	48.4	51.2
13/06/2019 12:00	49.6	52.9
13/06/2019 13:00	50.5	53.4
13/06/2019 14:00	49.5	52.6
13/06/2019 15:00	53.8	56.4
13/06/2019 16:00	52.7	55.8
13/06/2019 17:00	53.3	54.9
13/06/2019 18:00	51.3	54.6
13/06/2019 19:00	50.7	53.8
13/06/2019 20:00	52.0	54.3
13/06/2019 21:00	48.0	50.2
13/06/2019 22:00	45.5	48.5
13/06/2019 23:00	43.8	44.4
14/06/2019 00:00	36.1	39.4
14/06/2019 01:00	38.6	41.4
14/06/2019 02:00	38.5	40.6
14/06/2019 03:00	40.1	43.3
14/06/2019 04:00	46.2	49.4
14/06/2019 05:00	49.4	51.2
14/06/2019 06:00	51.0	52.4
14/06/2019 07:00	56.5	56.1
14/06/2019 08:00	52.6	56.3
14/06/2019 09:00	53.9	56.9
14/06/2019 10:00	52.6	55.6
14/06/2019 11:00	51.1	54.3
14/06/2019 12:00	55.1	57.5
14/06/2019 13:00	51.3	54.4
14/06/2019 14:00	50.8	53.5
14/06/2019 15:00	51.7	55.0
14/06/2019 16:00	54.9	58.2
14/06/2019 17:00	54.2	57.4
14/06/2019 18:00	48.8	52.1
14/06/2019 19:00	47.7	51.0
14/06/2019 20:00	46.4	49.0
14/06/2019 21:00	45.6	46.0
14/06/2019 22:00	45.7	45.6



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
14/06/2019 23:00	40.5	42.6
15/06/2019 00:00	40.2	40.1
15/06/2019 01:00	37.9	40.3
15/06/2019 02:00	37.0	40.3
15/06/2019 03:00	49.9	46.3
15/06/2019 04:00	45.1	48.1
15/06/2019 05:00	50.3	51.6
15/06/2019 06:00	55.0	51.1
15/06/2019 07:00	46.6	47.7
15/06/2019 08:00	53.5	52.8
15/06/2019 09:00	48.0	52.4
15/06/2019 10:00	46.7	49.8
15/06/2019 11:00	46.9	50.0
15/06/2019 12:00	60.2	56.8
15/06/2019 13:00	57.3	59.6
15/06/2019 14:00	59.2	59.5
15/06/2019 15:00	59.8	55.8
15/06/2019 16:00	49.4	52.6
15/06/2019 17:00	51.1	54.4
15/06/2019 18:00	50.2	53.3
15/06/2019 19:00	47.8	50.5
15/06/2019 20:00	43.8	46.2
15/06/2019 21:00	46.1	47.7
15/06/2019 22:00	42.7	44.2
15/06/2019 23:00	41.3	43.2
16/06/2019 00:00	40.4	42.5





**Table 1.3 – Full survey data from MP2**

<b>Period start</b>	<b>L<sub>Aeq</sub>, 1hr</b>	<b>L<sub>A10</sub>,1hr</b>
11/06/2019 15:00	54.0	57.0
11/06/2019 16:00	54.0	57.5
11/06/2019 17:00	51.6	53.7
11/06/2019 18:00	50.1	52.7
11/06/2019 19:00	50.2	53.1
11/06/2019 20:00	46.7	48.4
11/06/2019 21:00	44.7	47.5
11/06/2019 22:00	46.7	48.4
11/06/2019 23:00	41.5	43.5
12/06/2019 00:00	39.1	41.4
12/06/2019 01:00	39.5	42.6
12/06/2019 02:00	36.7	38.9
12/06/2019 03:00	40.3	43.5
12/06/2019 04:00	45.3	46.9
12/06/2019 05:00	45.4	45.7
12/06/2019 06:00	48.8	47.0
12/06/2019 07:00	47.2	46.7
12/06/2019 08:00	43.7	45.2
12/06/2019 09:00	51.1	53.8
12/06/2019 10:00	44.2	45.2
12/06/2019 11:00	43.3	45.2
12/06/2019 12:00	49.3	52.6
12/06/2019 13:00	44.8	44.5
12/06/2019 14:00	45.4	46.2
12/06/2019 15:00	42.5	44.2
12/06/2019 16:00	46.5	47.1
12/06/2019 17:00	49.7	50.6
12/06/2019 18:00	50.2	51.0
12/06/2019 19:00	46.3	47.8
12/06/2019 20:00	43.3	44.7
12/06/2019 21:00	44.5	46.6
12/06/2019 22:00	38.3	40.2
12/06/2019 23:00	35.0	37.4
13/06/2019 00:00	36.0	38.2
13/06/2019 01:00	33.8	36.6
13/06/2019 02:00	35.5	38.4
13/06/2019 03:00	45.6	48.6
13/06/2019 04:00	48.1	50.6
13/06/2019 05:00	47.4	48.8
13/06/2019 06:00	55.7	52.3
13/06/2019 07:00	50.2	51.9



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
13/06/2019 08:00	50.3	52.5
13/06/2019 09:00	53.3	55.6
13/06/2019 10:00	55.5	57.7
13/06/2019 11:00	53.7	55.4
13/06/2019 12:00	53.7	56.3
13/06/2019 13:00	54.5	57.5
13/06/2019 14:00	53.9	56.6
13/06/2019 15:00	57.3	60.2
13/06/2019 16:00	54.6	57.4
13/06/2019 17:00	52.3	54.5
13/06/2019 18:00	52.0	54.6
13/06/2019 19:00	51.6	53.7
13/06/2019 20:00	51.2	53.1
13/06/2019 21:00	46.8	49.5
13/06/2019 22:00	43.0	44.4
13/06/2019 23:00	42.9	43.4
14/06/2019 00:00	35.8	38.8
14/06/2019 01:00	35.2	38.2
14/06/2019 02:00	36.8	39.0
14/06/2019 03:00	48.7	50.5
14/06/2019 04:00	50.6	53.3
14/06/2019 05:00	48.2	49.6
14/06/2019 06:00	48.4	50.2
14/06/2019 07:00	49.6	51.2
14/06/2019 08:00	49.1	51.3
14/06/2019 09:00	53.9	56.4
14/06/2019 10:00	53.7	56.8
14/06/2019 11:00	51.5	54.6
14/06/2019 12:00	53.0	55.8
14/06/2019 13:00	49.0	51.8
14/06/2019 14:00	49.4	52.4
14/06/2019 15:00	51.3	54.2
14/06/2019 16:00	54.2	57.1
14/06/2019 17:00	53.1	56.1
14/06/2019 18:00	46.2	48.6
14/06/2019 19:00	48.1	50.4
14/06/2019 20:00	46.2	44.7
14/06/2019 21:00	43.7	44.3
14/06/2019 22:00	43.8	42.4
14/06/2019 23:00	37.9	40.2
15/06/2019 00:00	38.2	38.8
15/06/2019 01:00	36.4	39.2



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
15/06/2019 02:00	35.2	38.4
15/06/2019 03:00	45.6	46.0
15/06/2019 04:00	49.2	50.6
15/06/2019 05:00	45.2	45.7
15/06/2019 06:00	47.8	48.4
15/06/2019 07:00	47.7	49.1
15/06/2019 08:00	45.7	46.8
15/06/2019 09:00	46.6	46.1
15/06/2019 10:00	45.9	47.2
15/06/2019 11:00	53.2	50.2
15/06/2019 12:00	51.4	50.3
15/06/2019 13:00	46.4	47.8
15/06/2019 14:00	45.8	47.9
15/06/2019 15:00	46.1	48.8
15/06/2019 16:00	51.5	54.2
15/06/2019 17:00	52.7	55.4
15/06/2019 18:00	50.7	53.7
15/06/2019 19:00	46.4	49.1
15/06/2019 20:00	44.2	45.6
15/06/2019 21:00	42.5	43.2
15/06/2019 22:00	39.2	42.0
15/06/2019 23:00	39.3	41.6
16/06/2019 00:00	40.8	42.7
16/06/2019 01:00	39.8	42.2
16/06/2019 02:00	39.9	42.0
16/06/2019 03:00	46.1	48.0
16/06/2019 04:00	45.1	45.0
16/06/2019 05:00	49.1	49.4
16/06/2019 06:00	47.3	50.0
16/06/2019 07:00	58.2	48.9
16/06/2019 08:00	44.5	46.5
16/06/2019 09:00	45.2	47.5
16/06/2019 10:00	50.2	53.2
16/06/2019 11:00	50.6	53.5
16/06/2019 12:00	50.1	53.2
16/06/2019 13:00	57.5	61.2
16/06/2019 14:00	49.2	51.7
16/06/2019 15:00	53.4	56.3
16/06/2019 16:00	51.4	53.8
16/06/2019 17:00	51.9	54.8
16/06/2019 18:00	48.3	50.6
16/06/2019 19:00	49.0	51.1





Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
16/06/2019 20:00	48.3	50.8
16/06/2019 21:00	52.6	47.2
16/06/2019 22:00	48.8	51.5
16/06/2019 23:00	49.1	51.4
17/06/2019 00:00	49.0	51.6
17/06/2019 01:00	48.1	51.1
17/06/2019 02:00	46.8	49.7
17/06/2019 03:00	47.9	50.7
17/06/2019 04:00	53.8	57.1
17/06/2019 05:00	49.3	50.3
17/06/2019 06:00	50.3	52.7
17/06/2019 07:00	52.3	54.9
17/06/2019 08:00	54.5	57.4
17/06/2019 09:00	67.4	71.0
17/06/2019 10:00	60.2	60.0
17/06/2019 11:00	57.6	59.8
17/06/2019 12:00	55.0	56.7
17/06/2019 13:00	50.3	53.1
17/06/2019 14:00	53.2	52.2
17/06/2019 15:00	53.0	54.1
17/06/2019 16:00	51.7	52.1
17/06/2019 17:00	53.8	51.5
17/06/2019 18:00	48.4	50.4
17/06/2019 19:00	46.3	48.9
17/06/2019 20:00	43.7	45.6
17/06/2019 21:00	45.4	46.9
17/06/2019 22:00	40.8	43.3
17/06/2019 23:00	37.0	39.7
18/06/2019 00:00	36.0	39.3
18/06/2019 01:00	37.6	40.7
18/06/2019 02:00	35.6	38.7
18/06/2019 03:00	47.7	45.6
18/06/2019 04:00	50.3	46.3
18/06/2019 05:00	47.7	49.7
18/06/2019 06:00	46.0	47.2
18/06/2019 07:00	46.9	47.5
18/06/2019 08:00	44.8	48.7
18/06/2019 09:00	48.7	48.0
18/06/2019 10:00	42.3	44.6
18/06/2019 11:00	43.0	45.0
18/06/2019 12:00	49.3	45.6
18/06/2019 13:00	49.2	47.7



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
18/06/2019 14:00	51.7	49.1
18/06/2019 15:00	53.7	56.1
18/06/2019 16:00	50.4	52.6

**Table 1.4 – Full survey data from MP3**

Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
12/06/2019 11:00	71.4	75.1
12/06/2019 12:00	71.4	75.0
12/06/2019 13:00	71.6	75.0
12/06/2019 14:00	71.6	75.2
12/06/2019 15:00	71.5	74.9
12/06/2019 16:00	73.2	76.1
12/06/2019 17:00	73.5	76.5
12/06/2019 18:00	72.7	76.3
12/06/2019 19:00	71.2	75.4
12/06/2019 20:00	69.4	74.1
12/06/2019 21:00	68.2	73.5
12/06/2019 22:00	66.4	70.9
12/06/2019 23:00	65.1	65.6
13/06/2019 00:00	63.1	60.9
13/06/2019 01:00	63.6	60.3
13/06/2019 02:00	63.2	58.5
13/06/2019 03:00	66.1	62.8
13/06/2019 04:00	66.6	67.4
13/06/2019 05:00	70.3	75.0
13/06/2019 06:00	72.9	77.1
13/06/2019 07:00	73.9	77.1
13/06/2019 08:00	74.3	77.4
13/06/2019 09:00	73.3	76.6
13/06/2019 10:00	73.1	76.6
13/06/2019 11:00	72.7	76.2
13/06/2019 12:00	73.1	76.5
13/06/2019 13:00	72.3	75.9
13/06/2019 14:00	72.7	75.9
13/06/2019 15:00	72.4	75.6
13/06/2019 16:00	72.7	75.9
13/06/2019 17:00	72.4	75.4
13/06/2019 18:00	71.2	75.0
13/06/2019 19:00	70.2	74.6
13/06/2019 20:00	69.9	74.4



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
13/06/2019 21:00	68.5	73.5
13/06/2019 22:00	67.3	72.3
13/06/2019 23:00	66.0	68.3
14/06/2019 00:00	64.8	61.2
14/06/2019 01:00	64.4	60.7
14/06/2019 02:00	63.3	59.5
14/06/2019 03:00	65.1	61.8
14/06/2019 04:00	65.2	65.6
14/06/2019 05:00	70.0	74.9
14/06/2019 06:00	72.5	76.7
14/06/2019 07:00	73.3	76.8
14/06/2019 08:00	73.3	76.5
14/06/2019 09:00	72.2	75.6
14/06/2019 10:00	71.5	74.9
14/06/2019 11:00	71.7	74.8
14/06/2019 12:00	71.2	74.5
14/06/2019 13:00	71.4	74.5
14/06/2019 14:00	71.9	74.8
14/06/2019 15:00	71.8	74.8
14/06/2019 16:00	71.5	74.4
14/06/2019 17:00	71.6	74.7
14/06/2019 18:00	70.8	74.4
14/06/2019 19:00	70.3	73.9
14/06/2019 20:00	68.7	73.3
14/06/2019 21:00	67.6	72.5
14/06/2019 22:00	66.1	71.2
14/06/2019 23:00	63.9	66.9
15/06/2019 00:00	63.2	63.3
15/06/2019 01:00	61.5	59.0
15/06/2019 02:00	62.5	60.4
15/06/2019 03:00	62.6	59.8
15/06/2019 04:00	62.6	60.4
15/06/2019 05:00	65.5	69.3
15/06/2019 06:00	67.4	72.7
15/06/2019 07:00	68.2	73.3
15/06/2019 08:00	69.5	73.8
15/06/2019 09:00	69.9	73.7
15/06/2019 10:00	70.6	73.8
15/06/2019 11:00	70.7	74.0
15/06/2019 12:00	70.5	73.8
15/06/2019 13:00	70.5	74.0
15/06/2019 14:00	70.6	73.9





Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
15/06/2019 15:00	70.3	74.0
15/06/2019 16:00	69.6	73.7
15/06/2019 17:00	69.5	73.5
15/06/2019 18:00	69.1	73.5
15/06/2019 19:00	67.9	72.9
15/06/2019 20:00	67.3	72.5
15/06/2019 21:00	66.6	71.8
15/06/2019 22:00	65.3	70.9
15/06/2019 23:00	63.5	67.8
16/06/2019 00:00	62.9	65.9
16/06/2019 01:00	61.2	60.7
16/06/2019 02:00	60.5	57.9
16/06/2019 03:00	60.0	54.9
16/06/2019 04:00	61.3	58.2
16/06/2019 05:00	62.8	62.6
16/06/2019 06:00	64.2	67.8
16/06/2019 07:00	64.5	69.5
16/06/2019 08:00	66.3	71.9
16/06/2019 09:00	68.7	73.3
16/06/2019 10:00	69.4	73.3
16/06/2019 11:00	70.1	73.7
16/06/2019 12:00	70.7	73.7
16/06/2019 13:00	69.9	73.7
16/06/2019 14:00	70.4	74.2
16/06/2019 15:00	69.9	74.0
16/06/2019 16:00	70.0	73.9
16/06/2019 17:00	70.2	74.2
16/06/2019 18:00	69.6	73.9
16/06/2019 19:00	68.9	73.5
16/06/2019 20:00	68.1	73.1
16/06/2019 21:00	67.2	72.4
16/06/2019 22:00	64.8	69.9
16/06/2019 23:00	62.3	62.7
17/06/2019 00:00	60.5	57.0
17/06/2019 01:00	60.2	55.6
17/06/2019 02:00	59.5	53.7
17/06/2019 03:00	62.7	58.7
17/06/2019 04:00	64.4	65.9
17/06/2019 05:00	68.1	73.2
17/06/2019 06:00	70.7	74.9
17/06/2019 07:00	71.5	75.0
17/06/2019 08:00	71.1	74.4



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
17/06/2019 09:00	70.3	73.8
17/06/2019 10:00	70.3	73.6
17/06/2019 11:00	70.4	73.5
17/06/2019 12:00	70.1	73.5
17/06/2019 13:00	70.1	73.5
17/06/2019 14:00	69.8	73.1
17/06/2019 15:00	70.1	73.5
17/06/2019 16:00	70.5	73.7
17/06/2019 17:00	70.4	73.8
17/06/2019 18:00	69.2	73.0
17/06/2019 19:00	68.5	72.8
17/06/2019 20:00	67.1	71.8
17/06/2019 21:00	67.3	72.0
17/06/2019 22:00	65.5	70.6
17/06/2019 23:00	63.6	65.2
18/06/2019 00:00	62.4	59.4
18/06/2019 01:00	61.3	56.5
18/06/2019 02:00	61.9	57.2
18/06/2019 03:00	64.1	62.2
18/06/2019 04:00	64.8	66.3
18/06/2019 05:00	67.7	72.8
18/06/2019 06:00	70.2	74.4
18/06/2019 07:00	71.1	74.5
18/06/2019 08:00	71.4	74.6
18/06/2019 09:00	70.6	74.0
18/06/2019 10:00	70.4	73.6
18/06/2019 11:00	69.4	72.8
18/06/2019 12:00	69.7	73.2



**Table 1.5 – Full survey data from MP4**

<b>Period start</b>	<b>L<sub>Aeq</sub>, 1hr</b>	<b>L<sub>A10</sub>,1hr</b>
11/06/2019 15:00	72.7	75.5
11/06/2019 16:00	72.9	75.4
11/06/2019 17:00	72.8	75.1
11/06/2019 18:00	71.6	74.7
11/06/2019 19:00	68.9	73.0
11/06/2019 20:00	67.4	71.7
11/06/2019 21:00	66.4	71.3
11/06/2019 22:00	64.8	69.9
11/06/2019 23:00	63.3	67.2
12/06/2019 00:00	61.5	62.3
12/06/2019 01:00	63.0	63.2
12/06/2019 02:00	62.0	60.4
12/06/2019 03:00	63.9	65.6
12/06/2019 04:00	66.0	70.5
12/06/2019 05:00	68.9	73.3
12/06/2019 06:00	70.7	74.6
12/06/2019 07:00	71.1	74.3
12/06/2019 08:00	70.7	73.8
12/06/2019 09:00	70.1	73.4
12/06/2019 10:00	70.1	73.6
12/06/2019 11:00	70.2	73.5
12/06/2019 12:00	70.4	73.6
12/06/2019 13:00	70.2	73.5
12/06/2019 14:00	71.1	73.8
12/06/2019 15:00	70.7	73.6
12/06/2019 16:00	72.3	74.7
12/06/2019 17:00	73.0	75.3
12/06/2019 18:00	72.1	75.2
12/06/2019 19:00	70.6	74.4
12/06/2019 20:00	69.0	73.2
12/06/2019 21:00	67.5	72.2
12/06/2019 22:00	66.9	71.4
12/06/2019 23:00	62.6	66.6
13/06/2019 00:00	62.8	64.2
13/06/2019 01:00	62.2	60.5
13/06/2019 02:00	63.4	62.8
13/06/2019 03:00	65.0	66.5
13/06/2019 04:00	67.2	71.8
13/06/2019 05:00	70.1	74.5
13/06/2019 06:00	72.9	76.7
13/06/2019 07:00	73.5	76.5





Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
13/06/2019 08:00	71.1	74.3
13/06/2019 09:00	72.1	75.2
13/06/2019 10:00	72.6	75.7
13/06/2019 11:00	71.8	75.0
13/06/2019 12:00	72.4	75.5
13/06/2019 13:00	71.5	74.7
13/06/2019 14:00	72.2	75.2
13/06/2019 15:00	71.7	74.5
13/06/2019 16:00	72.5	73.9
13/06/2019 17:00	71.6	73.9
13/06/2019 18:00	70.2	73.1
13/06/2019 19:00	69.4	72.1
13/06/2019 20:00	69.6	73.8
13/06/2019 21:00	68.4	73.0
13/06/2019 22:00	67.4	72.1
13/06/2019 23:00	64.2	68.0
14/06/2019 00:00	63.4	64.5
14/06/2019 01:00	63.5	63.1
14/06/2019 02:00	63.6	65.4
14/06/2019 03:00	62.9	64.4
14/06/2019 04:00	66.1	70.4
14/06/2019 05:00	70.6	75.1
14/06/2019 06:00	73.0	76.6
14/06/2019 07:00	73.2	76.1
14/06/2019 08:00	72.5	75.8
14/06/2019 09:00	71.4	74.7
14/06/2019 10:00	71.2	73.6
14/06/2019 11:00	70.9	74.0
14/06/2019 12:00	70.5	73.3
14/06/2019 13:00	70.0	72.9
14/06/2019 14:00	70.5	73.2
14/06/2019 15:00	70.2	72.7
14/06/2019 16:00	71.0	72.7
14/06/2019 17:00	70.5	72.4
14/06/2019 18:00	69.3	72.2
14/06/2019 19:00	67.7	71.2
14/06/2019 20:00	66.9	70.8
14/06/2019 21:00	66.0	70.2
14/06/2019 22:00	65.3	69.8
14/06/2019 23:00	62.8	67.8
15/06/2019 00:00	60.9	63.7
15/06/2019 01:00	60.8	61.6



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
15/06/2019 02:00	60.0	59.6
15/06/2019 03:00	62.1	62.2
15/06/2019 04:00	62.6	65.1
15/06/2019 05:00	65.3	69.9
15/06/2019 06:00	66.1	71.2
15/06/2019 07:00	67.2	71.2
15/06/2019 08:00	68.5	72.1
15/06/2019 09:00	68.4	71.7
15/06/2019 10:00	69.0	71.8
15/06/2019 11:00	69.0	71.7
15/06/2019 12:00	69.3	72.0
15/06/2019 13:00	69.3	71.9
15/06/2019 14:00	69.2	72.1
15/06/2019 15:00	68.7	71.8
15/06/2019 16:00	68.9	71.3
15/06/2019 17:00	69.5	71.4
15/06/2019 18:00	67.3	70.9
15/06/2019 19:00	66.5	70.6
15/06/2019 20:00	65.5	70.1
15/06/2019 21:00	64.7	69.5
15/06/2019 22:00	63.7	68.8
15/06/2019 23:00	63.0	67.9
16/06/2019 00:00	62.0	67.1
16/06/2019 01:00	60.7	63.6
16/06/2019 02:00	58.8	60.1
16/06/2019 03:00	59.9	61.4
16/06/2019 04:00	60.2	61.8
16/06/2019 05:00	61.9	66.0
16/06/2019 06:00	63.4	68.2
16/06/2019 07:00	63.9	68.8
16/06/2019 08:00	64.9	69.8
16/06/2019 09:00	67.2	71.0
16/06/2019 10:00	68.7	71.5
16/06/2019 11:00	69.5	71.7
16/06/2019 12:00	68.7	71.5
16/06/2019 13:00	70.0	73.4
16/06/2019 14:00	70.8	73.1
16/06/2019 15:00	68.8	71.7
16/06/2019 16:00	69.6	71.5
16/06/2019 17:00	68.5	71.7
16/06/2019 18:00	67.9	71.5
16/06/2019 19:00	67.4	71.0



Period start	L <sub>Aeq</sub> , 1hr	L <sub>A10</sub> ,1hr
16/06/2019 20:00	66.0	70.4
16/06/2019 21:00	65.0	69.5
16/06/2019 22:00	62.8	67.7
16/06/2019 23:00	61.4	64.1
17/06/2019 00:00	58.4	59.8
17/06/2019 01:00	58.2	56.5
17/06/2019 02:00	60.2	60.7
17/06/2019 03:00	62.7	65.7
17/06/2019 04:00	65.5	70.3
17/06/2019 05:00	68.4	72.7
17/06/2019 06:00	70.0	73.7
17/06/2019 07:00	70.4	73.4
17/06/2019 08:00	70.2	73.2
17/06/2019 09:00	69.5	72.6
17/06/2019 10:00	69.1	72.2
17/06/2019 11:00	70.7	73.8
17/06/2019 12:00	69.0	72.2
17/06/2019 13:00	69.1	72.2
17/06/2019 14:00	69.7	72.5
17/06/2019 15:00	69.7	72.6
17/06/2019 16:00	70.3	72.6
17/06/2019 17:00	69.7	72.3
17/06/2019 18:00	68.8	72.1
17/06/2019 19:00	66.9	70.7
17/06/2019 20:00	65.6	69.9
17/06/2019 21:00	65.6	69.9
17/06/2019 22:00	64.7	69.7
17/06/2019 23:00	59.9	62.9
18/06/2019 00:00	59.1	57.7
18/06/2019 01:00	61.2	59.6
18/06/2019 02:00	59.8	57.2
18/06/2019 03:00	61.6	63.2
18/06/2019 04:00	65.7	70.5
18/06/2019 05:00	67.9	72.5
18/06/2019 06:00	71.1	74.1
18/06/2019 07:00	70.6	73.5
18/06/2019 08:00	70.0	73.3
18/06/2019 09:00	69.6	73.0
18/06/2019 10:00	69.4	72.7
18/06/2019 11:00	70.5	72.9
18/06/2019 12:00	69.3	72.7
18/06/2019 13:00	69.4	72.7