

HS2

March 2026

Construction noise and vibration Monthly Report – March 2026

London Borough of Camden

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Non-Technical Summary

This Noise and Vibration Monitoring Report fulfils HS2 Limited's commitment detailed in the Environmental Minimum Requirements (EMRs), Annex 1, Code of Construction Practice, to present the results of noise and vibration monitoring carried out within London Borough of Camden during the month of Mar 2026.

Within this period noise and vibration monitoring were undertaken at the following worksites:

- Adelaide Road Ventilation Shaft (ref.: ARVS) where no works were undertaken.
- Vehicle Holding Area worksite (ref.: VHA), where deliveries, site maintenance and surveys were underway.
- Mornington Street Bridge worksite (ref.: MSB), Park Village East worksite (ref.: PVE), Euston Scissor Box worksite (ref.: ESB), Euston Throat Retained Cut worksite (ref.: ETRC), Euston Throat Retained Cut worksite (ref.: ETRC), Granby Terrace Bridge worksite (ref.: GTB), Hampstead Road Bridge worksite (ref.: HRB), Euston Cavern worksite (ref.: ECAV) where deliveries, site maintenance, surveys, utility works, earthworks, retaining wall removal, scaffolding works, concrete works, formwork installation, steel fixing, hydro scabbling and abnormal load traffic were underway.
- Former National Temperance Hospital - Euston North, Maria Fidelis worksite (ref.: NTH-EN, MF) where fitout works, landscaping, mechanical and electrical works, attenuation tank installation, exhumations, stockpile management and pile capping were underway.
- Traction Substation worksite (ref.: TSS) where enabling works, pile mat construction, wall construction, piling works, remedial works and snagging works were underway.
- Former Two Tower Site and Western Taxi Rank (ref.: ETD & WRT) where deliveries and collections and pile mat construction were underway.

Further works, where monitoring did not take place, were also undertaken at:

- Utilities works on Lidlington Place, Parkway, Hampstead Road and Stanhope Street where trial holes, joint bays, utility diversions and cable pulling activities were underway.

The HS2 threshold levels for significant noise impacts, which are defined in Information Paper E23 (<https://www.gov.uk/government/publications/hs2-information-papers/environment>) were exceeded three (3) times during the reporting period.

There were one (1) exceedance of trigger levels as defined in section 61 consents during the reporting period.

4 complaints were received during the monitoring period. A description of complaints, the results of investigations and any actions taken are detailed in Table 8 of this report.

Abbreviations and Descriptions

The abbreviations, descriptions and project terminology used within this report can be found in Table 1.

Table 1: Table of Abbreviations

| Acronym/Term | Definition |
|---|--|
| L _{Aeq,T} | See equivalent continuous sound pressure level. |
| Ambient Sound | A description of the all-encompassing sound at a given location and time which will include sound from many sources near and far. Ambient sound can be quantified in terms of the equivalent continuous sound pressure level, L _{pAeq,T} |
| Decibel(s), or dB | Between the quietest audible sound and the loudest tolerable sound there is a million to one ratio in sound pressure (measured in Pascal (Pa)). Because of this wide range, a level scale called the decibel (dB) scale, based on a logarithmic ratio, is used in sound measurement. Audibility of sound covers a range of approximately 0-140dB. |
| Decibel(s) A-weighted, or dB(A) | The human ear system does not respond uniformly to sound across the detectable frequency range and consequently instrumentation used to measure sound is weighted to represent the performance of the ear. This is known as the 'A weighting' and is written as 'dB(A)'. |
| Equivalent continuous sound pressure level, or L _{Aeq,T} | An index used internationally for the assessment of environmental sound impacts. It is defined as the notional unchanging level that would, over a given period of time (T), deliver the same sound energy as the actual time-varying sound over the same period. Hence fluctuating sound levels can be described in terms of an equivalent single figure value, typically expressed as a decibel level. |
| Exclusion of data | Measurement of noise levels can be affected by weather conditions such as prolonged periods of rain, winds speeds higher than 5m/s and snow/ice ground cover. Noise levels measured during these periods are considered not representative of normal noise conditions at the site and, for the purposes of this report, are excluded from the assessment of exceedances and calculation of typical noise levels and are also greyed out in charts. Identifiable incongruous noise and vibration events not attributable to HS2 construction noise are also excluded. |
| Façade | A facade noise level is the noise level 1m in front of a large reflecting surface. The effect of reflection, is to produce a slightly higher (typically +2.5 to +3 dB) sound level than it would be if the reflecting surface was not there. |
| Free-field | A free-field noise level is the noise level measured at a location where no reflective surfaces, other than the ground, lies within 3.5 metres of the microphone position. |
| LOAEL | Lowest Observed Adverse Effect Level - the level above which adverse effects on health and quality of life can be detected. |
| Peak particle velocity, or PPV | Instantaneous maximum velocity reached by a vibrating element as it oscillates about its rest position. The PPV is a simple indicator of perceptibility and risk of damage to structures due to vibration. It is usually measured in mm/s. |
| SOAEL | Significant Observed Adverse Effect Level - the level above which significant adverse effects on health and quality of life occur. |

| | |
|------------------------------|---|
| Sound pressure level | The parameter by which sound levels are measured in air. It is measured in decibels. The threshold of hearing has been set at 0dB, while the threshold of pain is approximately 120dB. Normal speech is approximately 60dB at a distance of 1 metre and a change of 3dB in a time varying sound signal is commonly regarded as being just detectable. A change of 10dB is subjectively twice, or half, as loud. |
| Vibration dose value, or VDV | An index used to evaluate human exposure to vibration in buildings. While the PPV provides information regarding the magnitude of single vibration events, the VDV provides a measure of the total vibration experienced over a specified period of time (typically 16h daytime and 8h night-time). It takes into account the magnitude, the number and the duration of vibration events and can be used to quantify exposure to continuous, impulsive, occasional and intermittent vibration. The vibration dose value is measured in $m/s^{1.75}$. |

1 Introduction

1.1.1 HS2 is required to undertake noise (and vibration) monitoring as necessary to comply with the requirements of the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, including specifically Annex 1: Code of Construction Practice, in addition to any monitoring requirements arising from conditions imposed through consents under Section 61 of the Control of Pollution Act, 1974 or through Undertakings & Assurances given to third parties. Such monitoring may be undertaken for the following purposes:

- monitoring the impact of construction works;
- to investigate complaints, incidents and exceedance of trigger levels; or
- monitoring the effectiveness of noise and vibration control measures.

Monitoring data and interpretive reports are to be provided to each relevant local authority on a monthly basis and shall include a summary of the construction activities occurring, the data recorded over the monitoring period, any complaints received, any periods in exceedance of agreed trigger levels, the results of any investigations and any actions taken or mitigation measures implemented. This report provides noise data, and interpretation thereof, for monitoring carried out by HS2 within the London Borough of Camden (LBC) area for the period 1-31 March 2026.

1.1.2 Active construction sites in the local authority area during this period include:

- The Adelaide Road ventilation shaft, Ref.: ARVS (See plan 1 in Appendix A), where no works were undertaken.
- Vehicle Holding Area worksite ref.: VHA (see plan 1 in Appendix A), where work activities included:
 - Deliveries
 - Site maintenance including haul roads and drainage
 - Surveys
- Mornington Street Bridge worksite ref.: MSB, Park Village East worksite ref.: PVE, Euston Scissor Box worksite ref.: ESB, Euston Throat Retained Cut worksite ref.: ETRC, Granby Terrace Bridge worksite ref.: GTB (see plan 2 in Appendix A), Euston Cavern worksite ref.: ECAV, Hampstead Road Bridge worksite ref.: HRB (see plan 3 in Appendix A) where work activities included:
 - Deliveries
 - Site maintenance including haul roads, drainage and hoarding
 - Surveys
 - Utility works
 - Earthworks including excavations
 - Retaining wall removal
 - Concrete works including pouring, repairs and reinforcement
 - Formwork installation

- Steel fixing
- Hydro scabbling
- Abnormal load traffic
- Scaffolding works including adjustments and removals
- Former National Temperance Hospital – Euston North, Maria Fidelis worksite ref.: NTH-EN, MF (see plan 4 in Appendix A), where work activities included:
 - Fitout works
 - Landscaping
 - Mechanical and electrical works
 - Haul road construction
 - Attenuation tank installation
 - Exhumations
 - Stockpile management
 - Pile capping
- Traction Substation worksite ref.: TSS (see plan 4 in Appendix A), where work activities included:
 - Enabling works
 - Pile mat construction
 - Wall construction
 - Piling works
 - Remedial and snagging works
- Former Two Tower Site and Western Taxi Rank worksite ref.: WTD & WTR (see plan 4 in Appendix A), where work activities included:
 - Deliveries and collections
 - Pile mat construction

Further works, where monitoring did not take place, were also undertaken at:

- Lidlington Place, Parkway, Hampstead Road and Stanhope Street, where trial holes, joint bays, utility diversions and cable pulling activities were underway.

1.1.3 The applicable standards, guidance, and monitoring methodology is outlined in the construction noise and vibration monitoring methodology report which can be found at the following location <https://www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2>. Noise and vibration monitoring reports for previous months can also be found at this location.

1.2 Measurement Locations

1.2.1 33 noise and 10 vibration monitoring installations were active in March in the London Borough of Camden area. Tables 2a and 2b summarise the position of noise and vibration monitoring installations within the London Borough of Camden area in March 2026.

1.2.2 Maps showing the position of noise and vibration monitoring installations are presented in Appendix B.

Table 2a: Noise Monitoring Locations

| Worksite Reference | Measurement Reference | Address |
|--------------------|-----------------------|--|
| ESB & GTB, PVE | N001 | Park Village East Lamppost #1 Outside Cubitt Court |
| | N001b | Park Village East Adjacent to Cubitt Court |
| | N002 | Park Village East Lamppost #2 Outside Richmond House |
| | N003 | Park Village East Lamppost #15 Outside Silsoe House |
| | N004 | Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row |
| | N005 | Euston Approaches – Xavier House site office external staircase |
| HRB & ETRC, NTH-EN | N018 | Outside Lindale, Hampstead Road |
| | N019 | Euston Approaches site hoarding – north facing façade of Cartmel House |
| | N026a | Euston Approaches site hoarding – east facing façade of Cartmel House |
| ETRC & HRB | N020 | Lamppost on corner of Mackworth Street and Harrington Street |
| | N021 | Lamppost on Stanhope Street, west of Stephenson House site office |
| | N023 | Lamppost #21 on Hampstead Road - opposite Xavier House site office |
| | N023B | Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge |
| | N044 | Euston Approaches site hoarding – between Stephenson House site office and Langdale, Regent's Park Estate |
| | N045 | Euston Approaches site hoarding – east of Coniston, Regent's Park Estate |
| MSB & ECAV, PVE | N046 | Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub |
| | N024 | Lamppost outside Park Village Studios, Park Village East |
| | N022 | Lamppost #34 on Mornington Terrace, between Mornington Street Bridge and Edinboro Castle pub |
| | N047 | Lamppost #3 on corner of Park Village East and Mornington Street Bridge |
| | PVS-N001 | Park Village Studios |
| TSS | N006 | Roof of RCGP, facing north |
| | N008 | Outside RCGP, Stephenson Way |
| | N010 | East façade of Wesley Hotel |
| | N011 | Outside 82 Euston Street |
| NTH-EN, TSS | N012 | Outside 96 Drummond Street |
| ETD & WTR | N007 | Outside RCGP, Melton Street |
| NTH-EN, MF | N014 | Opposite 27-28 Starcross Street |
| | N016 | Roof of Margarete Centre |
| | N017 | Outside Mardale, Hampstead Road |
| VHA | N025 | Lamppost #3 on Prince Albert Road opposite the Vehicle Holding Area (VHA) site |
| ARVS | N051 | Outside 70 Adelaide Road |
| | N052 | Adelaide Road-Beaumont Walk |

Table 2b: Vibration Monitoring Locations

| Worksite Reference | Measurement Reference | Address |
|---------------------------|------------------------------|---|
| MSB & ECAV, PVE | PVS-V001 | Park Village Studios |
| ESB & GTB, PVE | SH-V001 | Basement of Silsoe House |
| ETRC & HRB | V039 | Euston Approaches site – east of Coniston, Regent’s Park Estate |
| | V043 | Euston Approaches site – Cartmel House, Regents Park Estate |
| TSS | V002 | RCGP basement boiler room, Stephenson Way |
| | V003 | RCGP basement vaults, Melton Street |
| | V037 | Magic Circle basement, Stephenson Way |
| | V038 | Wesley Hotel basement, Regnart Buildings |
| | V060 | Prankerd House Basement, North Gower St |
| NTH-EN, MF | V021 | 42 Cobourg Street, ground level |

2 Summary of Results

2.1 Summary of Measured Noise and Vibration Levels

2.1.1 Table 3 presents a summary of the measured noise levels at each monitoring location over the reporting period. The LAeq,T is presented for each of the relevant time periods averaged over the calendar month, along with the highest single period LAeq,T that was found to occur within the month.

Table 3: Summary of Measured dB LAeq Data over the Monitoring Period

| Worksite Reference. | Measurement Reference | Site Address | Free-Field or Façade Measurement | Weekday Average LAeq,T (Highest Day LAeq,T) | | | | | Saturday Average LAeq,T (Highest Day LAeq,T) | | | | | Sunday / Public Holiday LAeq,T (Highest Day LAeq,T) | |
|---------------------|-----------------------|--|----------------------------------|---|----------------|----------------|----------------|----------------|--|----------------|----------------|----------------|----------------|---|----------------|
| | | | | 0700 - 0800 | 0800 - 1800 | 1800 - 1900 | 1900 - 2200 | 2200 - 0700 | 0700 - 0800 | 0800 - 1300 | 1300 - 1400 | 1400 - 2200 | 2200 - 0700 | 0700 - 2200 | 2200 - 0700 |
| ARVS | N051 | Outside 70 Adelaide Road | Free field | 66.8 (69.5) | 67.6 (68.8) | 67.0 (69.0) | 66.0 (69.2) | 64.1 (70.0) | 64.3 (65.1) | 66.0 (66.3) | 66.9 (69.2) | 67.0 (69.7) | 65.0 (71.9) | 66.3 (69.9) | 63.0 (69.1) |
| | N052 | Adelaide Road-Beaumont Walk | Free field | 66.0 (67.4) | 66.8 (68.3) | 65.9 (68.4) | 65.2 (69.5) | 63.5 (68.0) | 64.0 (64.8) | 65.9 (66.4) | 66.0 (68.3) | 65.6 (68.8) | 65.1 (73.9) | 65.3 (68.8) | 62.8 (67.5) |
| ESB & GTB, PVE | N001* | Park Village East Lamppost #1 Outside Cubitt Court | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| | N001b | Park Village East Adjacent to Cubitt Court | Free-field | 60.6 (66.2) | 64.1 (69.7) | 58.0 (60.4) | 57.0 (63.8) | 53.5 (72.4) | 56.2 (57.2) | 64.2 (67.0) | 58.2 (59.9) | 57.2 (61.1) | 52.4 (61.6) | 59.9 (75.5) | 53.1 (63.8) |
| | N002* | Park Village East Lamppost #2 Outside Richmond House | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| | N003 | Park Village East Lamppost #15 Outside Silsoe House | Free-field | 60.3 (69.7) | 62.1 (65.0) | 60.9 (63.2) | 59.7 (63.6) | 55.4 (60.5) | 56.4 (57.2) | 58.5 (59.5) | 58.9 (58.9) | 59.8 (61.0) | 55.0 (58.8) | 59.6 (62.0) | 54.9 (60.2) |
| | N004* | Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| | N005 | Euston Approaches - Xavier House site office | Free-field | 63.4 (66.3) | 65.3 (70.0) | 64.1 (65.9) | 63.0 (66.6) | 60.1 (68.3) | 62.3 (64.3) | 63.2 (64.3) | 62.4 (63.5) | 62.8 (64.7) | 59.1 (62.5) | 62.4 (70.3) | 59.5 (68.8) |

| | | | | | | | | | | | | | | | |
|--------------------|-------|---|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | external staircase | | | | | | | | | | | | | |
| HRB & ETRC, NTH-EN | N018 | Outside Lindale, Hampstead Road | Free-field | 66.0 (68.5) | 71.6 (78.3) | 66.6 (79.3) | 67.0 (75.8) | 65.0 (72.7) | 64.7 (66.6) | 68.4 (71.8) | 68.8 (72.9) | 67.3 (73.5) | 65.5 (71.7) | 66.1 (72.5) | 64.5 (71.6) |
| | N019 | Euston Approaches site hoarding – north facing façade of Cartmel House | Façade | 54.5 (56.3) | 59.2 (62.0) | 54.1 (57.9) | 54.7 (64.4) | 53.1 (65.5) | 53.7 (54.8) | 56.4 (57.8) | 54.5 (55.5) | 54.5 (57.5) | 53.5 (56.7) | 53.9 (59.1) | 51.8 (59.8) |
| | N026a | Euston Approaches site hoarding – east facing façade of Cartmel House | Façade | 57.2 (60.3) | 62.3 (64.7) | 56.8 (61.3) | 57.8 (68.2) | 55.7 (66.5) | 55.7 (57.4) | 59.3 (61.5) | 57.3 (59.8) | 56.7 (59.8) | 57.0 (67.0) | 57.0 (63.5) | 55.1 (63.0) |
| ETRC & HRB | N020 | Lamppost on corner of Mackworth Street and Harrington Street | Free-field | 56.2 (68.2) | 58.9 (73.9) | 53.5 (64.9) | 52.4 (64.5) | 51.9 (64.1) | 54.6 (56.7) | 52.6 (53.3) | 52.2 (53.8) | 51.8 (56.5) | 52.1 (64.2) | 53.9 (68.2) | 52.2 (67.4) |
| | N021 | Lamppost on Stanhope Street, west of Stephenson House site office | Free-field | 57.4 (67.5) | 60.2 (64.7) | 58.8 (63.0) | 56.8 (63.3) | 53.0 (65.1) | 54.3 (55.2) | 55.8 (56.4) | 56.5 (57.2) | 57.5 (63.9) | 53.2 (62.9) | 56.7 (60.7) | 53.0 (62.8) |
| | N023* | Lamppost #21 on Hampstead Road - opposite Xavier House site office | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| | N023B | Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge | Free-field | 64.0 (65.5) | 66.7 (70.3) | 63.3 (65.9) | 64.4 (70.2) | 63.1 (70.3) | 64.2 (65.2) | 64.0 (64.3) | 64.8 (66.3) | 64.3 (69.6) | 64.2 (69.6) | 63.9 (69.2) | 62.7 (69.6) |
| | N044 | Regents Park Estate west, near Langdale | | 57.6 (58.7) | 64.4 (71.4) | 56.2 (60.1) | 55.3 (63.7) | 52.5 (61.8) | 55.0 (56.5) | 59.5 (61.6) | 56.4 (61.9) | 54.1 (57.0) | 50.9 (57.3) | 55.1 (64.5) | 51.3 (56.1) |
| | N045 | Euston Approaches site hoarding – east of Coniston | | 57.3 (61.1) | 64.9 (68.9) | 55.5 (58.2) | 55.5 (66.9) | 53.8 (74.7) | 54.2 (55.7) | 58.9 (62.4) | 54.7 (57.7) | 54.6 (57.9) | 53.6 (56.9) | 55.9 (66.9) | 52.2 (59.9) |
| MSB & ECAV, PVE | N022* | Lamppost #34 on Mornington | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |

| | | | | | | | | | | | | | | | |
|------------|----------|--|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | Terrace, between Mornington Street Bridge and Edinboro Castle pub | | | | | | | | | | | | | |
| | N024* | Lamppost outside Park Village Studios, Park Village East | Free-field | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) | - (-) |
| | N046 | Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub | Free-field | 61.6 (64.4) | 63.2 (66.9) | 61.2 (62.6) | 60.7 (63.1) | 56.6 (62.3) | 60.4 (62.0) | 61.1 (61.8) | 60.5 (61.2) | 60.9 (66.0) | 53.8 (61.5) | 59.8 (62.5) | 56.0 (62.1) |
| | N047 | Lamppost #3 on corner of Park Village East and Mornington Street Bridge | Free-field | 59.3 (68.9) | 62.6 (75.7) | 59.7 (61.3) | 58.8 (66.3) | 54.6 (65.6) | 56.2 (56.9) | 57.7 (58.1) | 59.1 (59.9) | 58.8 (61.8) | 54.9 (64.2) | 57.5 (60.4) | 56.1 (73.5) |
| | PVS-N001 | Park Village Studios | Facade | 64.2 (67.0) | 67.2 (71.4) | 64.8 (65.8) | 63.8 (65.8) | 58.8 (64.3) | 63.8 (64.8) | 65.9 (68.8) | 63.9 (65.1) | 63.4 (65.7) | 56.9 (70.4) | 62.5 (67.1) | 57.4 (63.6) |
| TSS | N006 | Roof of RCGP, facing north | Free field | 53.5 (56.6) | 67.1 (73.5) | 53.3 (67.2) | 52.7 (66.9) | 51.7 (65.4) | 54.3 (60.3) | 67.2 (72.4) | 65.3 (68.1) | 57.4 (65.8) | 49.2 (51.6) | 52.2 (63.3) | 53.2 (62.9) |
| | N008 | Outside RCGP, Stephenson Way | Façade | 61.1 (68.7) | 67.3 (83.2) | 56.9 (63.4) | 55.6 (63.0) | 55.9 (69.8) | 55.6 (57.7) | 59.9 (60.8) | 59.5 (63.9) | 55.3 (59.0) | 55.9 (73.6) | 54.7 (60.5) | 55.0 (63.4) |
| | N010 | East façade of Wesley Hotel | Façade | 66.9 (72.2) | 69.0 (71.8) | 65.0 (70.6) | 63.2 (70.7) | 58.2 (70.6) | 61.0 (63.2) | 64.8 (66.4) | 62.2 (65.0) | 56.8 (65.3) | 57.4 (70.6) | 63.9 (70.6) | 61.6 (70.5) |
| | N011 | Outside 82 Euston Street | Free field | 56.4 (63.3) | 63.7 (71.0) | 53.6 (56.1) | 53.2 (62.9) | 50.8 (59.8) | 53.7 (55.7) | 56.4 (58.6) | 54.8 (56.8) | 52.6 (55.3) | 49.9 (53.9) | 52.9 (63.4) | 52.7 (63.1) |
| NTH-EN, MF | N012 | Outside 96 Drummond Street | Free field | 56.2 (61.1) | 63.2 (78.3) | 58.3 (70.2) | 57.6 (71.4) | 55.2 (72.0) | 54.8 (57.4) | 56.6 (58.1) | 56.8 (57.6) | 56.8 (60.3) | 53.0 (55.7) | 57.3 (65.0) | 53.5 (57.2) |
| ETD & WTR | N007 | Outside RCGP, Melton Street | Free field | 64.1 (66.2) | 70.7 (73.7) | 62.4 (65.7) | 63.4 (72.0) | 63.5 (80.0) | 61.1 (62.4) | 65.5 (67.8) | 65.1 (69.8) | 62.2 (64.6) | 60.1 (65.2) | 63.6 (76.7) | 65.2 (78.9) |
| NTH-EN, MF | N014 | Opposite 27-28 Starcross Street | Free field | 54.5 (65.1) | 61.5 (66.7) | 59.6 (67.1) | 57.5 (68.7) | 53.0 (78.2) | 52.3 (55.1) | 57.2 (60.2) | 58.6 (61.4) | 59.7 (68.0) | 50.8 (64.4) | 59.0 (70.5) | 54.3 (75.9) |
| | N016 | Roof of Margarete Centre | Free field | 56.2 (70.8) | 63.4 (74.3) | 58.0 (75.5) | 57.0 (76.4) | 55.1 (77.1) | 53.8 (60.0) | 56.7 (60.4) | 57.8 (60.0) | 56.0 (63.7) | 51.2 (56.9) | 59.5 (71.9) | 54.7 (68.7) |
| | N017 | Outside Mardale, Hampstead Road | Free field | 66.9 (70.3) | 70.1 (74.0) | 67.0 (74.3) | 68.8 (76.1) | 66.5 (76.2) | 65.6 (68.6) | 69.4 (72.6) | 67.5 (71.5) | 67.4 (73.7) | 67.5 (75.2) | 68.1 (76.9) | 65.9 (75.6) |

| | | | | | | | | | | | | | | | |
|-----|------|-----------------------------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| VHA | N025 | Lamppost #3 on Prince Albert Road | Free-field | 67.2 (69.6) | 67.1 (69.5) | 66.3 (69.2) | 65.5 (74.2) | 64.4 (68.9) | 64.7 (65.7) | 66.0 (67.5) | 65.1 (66.2) | 65.8 (68.6) | 65.4 (74.3) | 65.8 (71.6) | 63.8 (68.7) |
|-----|------|-----------------------------------|------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|

*Note: No data measured during this period due to loss of power to the lighting column which powers the monitoring station.

2.1.2 Table 4: Summary of Measured PPV Data over the Monitoring Period presents a summary of the measured vibration levels at each monitoring location over the reporting period. The highest PPV measured during the monitoring along any axis is presented in the table.

Table 4: Summary of Measured PPV Data over the Monitoring Period

| Worksite Reference | Measurement Reference | Monitor Address | Highest PPV measured in any axis, mm/s |
|--------------------|-----------------------|---|--|
| MSB & ECAV, PVE | PVS-V001 | Park Village Studios | 1.54 (X-axis) |
| ESB & GTB, PVE | SH-V001 | Basement of Silsoe House | 0.73 (Y-axis) |
| ETRC & HRB | V039 | Euston Approaches site – east of Coniston, Regent's Park Estate | 1.16 (X-axis) |
| | V043 | Euston Approaches site – Cartmel House, Regents Park Estate | 0.53 (Z-axis) |
| NTH-EN, MF | V021 | 42 Cobourg Street, ground level | 0.97 (Z-axis) |
| TSS | V002 | RCGP basement boiler room, Stephenson Way | 1.74 (Z-axis) |
| | V003 | RCGP basement vaults, Melton Street | 0.90 (Z-axis) |
| | V037 | Magic Circle basement, Stephenson Way | 1.07 (Z-axis) |
| | V038 | Wesley Hotel basement, Regnard Buildings | 2.02 (Z-axis) |
| | V060 | Prankerd House Basement, North Gower St | 0.44 (Y-axis) |

2.1.3 Appendix C presents graphs of the noise and vibration monitoring data over the month for each of the measurement locations. Noise data presented consists of the hourly LAeq values and, where relevant, the LAeq,T values (where the time period T has been taken to be the averaging period as specified in Table 1 of HS2 Information Paper E23). Vibration data presented consist of hourly PPV values. The full data set for the monitoring equipment can be found at the following location: <https://data.gov.uk/dataset/24542ae7-dd44-444f-b259-871c4cc43b5e/environmental-monitoring-data>.

2.2 Exceedances of the SOAEL

2.2.1 The significant observed adverse effect level (SOAEL) is defined in the 'Planning Practice Guidance – Noise' as the level above which "noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area."

- 2.2.2 HS2 Phase One Information Paper E23: Control of Construction Noise and Vibration sets out the SOAELs for construction noise.
- 2.2.3 Where construction noise levels exceed the SOAEL, relevant periods will be identified, and summary statistics provided in order to evaluate ongoing qualification for noise insulation and temporary rehousing.
- 2.2.4 Table 5 presents a summary of recorded exceedances of the SOAEL at each measurement location over the reporting period, including the number of exceedances during each time period.

Table 5: Summary of Exceedances of SOAEL

| Worksite Reference | Measurement Reference | Site Address | Day (Weekday, Saturday, Sunday, Night) | Time period | Number of exceedances of SOAEL |
|--------------------|-----------------------|--|--|-------------|--------------------------------|
| ARVS | N051 | Outside 70 Adelaide Road | All days | All periods | No exceedances |
| | N052 | Adelaide Road-Beaumont Walk | All days | All periods | No exceedances |
| ETD & WTR | N007 | North of Euston Road and East of Melton St | All days | All periods | No exceedances |
| Euston Approaches | N001 | Park Village East Lamppost #1 Outside Cubitt Court | All days | All periods | No exceedances |
| | N001b | Park Village East Adjacent to Cubitt Court | All days | All periods | No exceedances |
| | N002 | Park Village East Lamppost #2 Outside Richmond House | All days | All periods | No exceedances |
| | N003 | Park Village East Lamppost #15 Outside Silsoe House | All days | All periods | No exceedances |
| | N004 | Mornington Terrace Lamppost #7 Junction of Mornington Terrace, Mornington Place & Clarkson Row | All days | All periods | No exceedances |
| | N005 | Euston Approaches - Xavier House site office external staircase | All days | All periods | No exceedances |
| HRB & ETRC, NTH-EN | N018 | Outside replacement housing, Hampstead Road | Weekday | 0800 - 1800 | 2 |
| | N019 | Euston Approaches site hoarding - north facing façade of Cartmel House | All days | All periods | No exceedances |
| | N026a | Euston Approaches site hoarding - east facing façade of Cartmel House | All days | All periods | No exceedances |
| ETRC & HRB | N020 | Lamppost on corner of Mackworth Street and Harrington Street | All days | All periods | No exceedances |

| | | | | | |
|-----------------|----------|--|----------|-------------|----------------|
| | | | | | |
| | N021 | Lamppost on Stanhope Street, west of Stephenson House site office | All days | All periods | No exceedances |
| | N023 | Lamppost #21 on Hampstead Road - opposite Xavier House site office | All days | All periods | No exceedances |
| | N023B | Euston Throat Retained Cut site hoarding south of Hampstead Road Bridge | All days | All periods | No exceedances |
| | N044 | Euston Approaches site hoarding – between Stephenson House site office and Langdale, Regent’s Park Estate | All days | All periods | No exceedances |
| | N045 | Euston Approaches site hoarding – east of Coniston, Regent’s Park Estate | All days | All periods | No exceedances |
| MSB & ECAV, PVE | N024 | Lamppost outside Park Village Studios, Park Village East | All days | All periods | No exceedances |
| | N022 | Lamppost #34 on Mornington Terrace, between Mornington Street Bridge and Edinboro Castle pub | All days | All periods | No exceedances |
| | N046 | Lamppost on Mornington Terrace, between Mornington Street Bridge and Delancey Street, near Edinboro Castle pub | All days | All periods | No exceedances |
| | N047 | Lamppost #3 on corner of Park Village East and Mornington Street Bridge | All days | All periods | No exceedances |
| | PVS-N001 | Park Village Studios | All days | All periods | No exceedances |
| VHA | N025 | Lamppost #3 on Prince Albert Road opposite the Vehicle Holding Area (VHA) site | All days | All periods | No exceedances |
| NTH-EN, MF | N014 | Opposite 27-28 Starcross Street | All days | All periods | No exceedances |
| | N016 | Roof of Margarete Centre | All days | All periods | No exceedances |
| | N017 | Outside Mardale, Hampstead Road | All days | All periods | No exceedances |
| TSS | N006 | Roof of RCGP, facing north | All days | All periods | No exceedances |
| | N008 | Outisde RCGP, Stephenson Way | All days | All periods | No exceedances |
| | N010 | East façade of Wesley Hotel | All days | All periods | No exceedances |

| | | | | | |
|-------------|------|--------------------------------|----------|-------------|----------------|
| | N011 | Outside 82 Euston Street | All days | All periods | No exceedances |
| NTH-EN, TSS | N012 | Opposite 92-94 Drummond Street | All days | All periods | No exceedances |

2.2.5 For the purpose of assessing eligibility for noise insulation or temporary rehousing, multiple exceedances of the SOAEL in a 24-hour period would be counted as a single exceedance during that day. Over the reporting period, the overall number of SOAEL exceedances at each measurement location is shown in Table 6 and may be lower than the total sum of individual exceedances reported in Table 5 for each location.

Table 6: Summary of Total Exceedances of SOAEL

| Worksite Reference | Measurement Reference | Monitor Address | Total of SOAEL exceedances in the month |
|--------------------|-----------------------|---|---|
| Euston Approaches | N001b | Park Village East adjacent to Cubitt Court | 1 |
| | N018 | Outside replacement housing, Hampstead Road | 2 |

2.3 Exceedances of Trigger Level

2.3.1 Table 7 provides a summary of exceedances of the S61 trigger noise levels determined to be due to HS2 related construction noise measured during the reporting period, along with the findings of any investigation.

Table 7: Summary of Exceedances of Trigger Levels

| Complaint Reference Number (if applicable) | Worksite Reference | Date and Time Period | Identified Source | Results of Investigation (including noise monitoring results) | Actions Taken |
|--|--------------------|----------------------|---|--|--|
| - | ETD, WTR | 02/03/2026 20:00 | Evening and Night-time hoarding alteration works at ITR area. | Hoarding alteration works near to N007, hourly noise levels between 69 and 80 dB during night-time period. | Review modelling assumptions for future night-time piling and hoarding installation works. |

2.4 Complaints

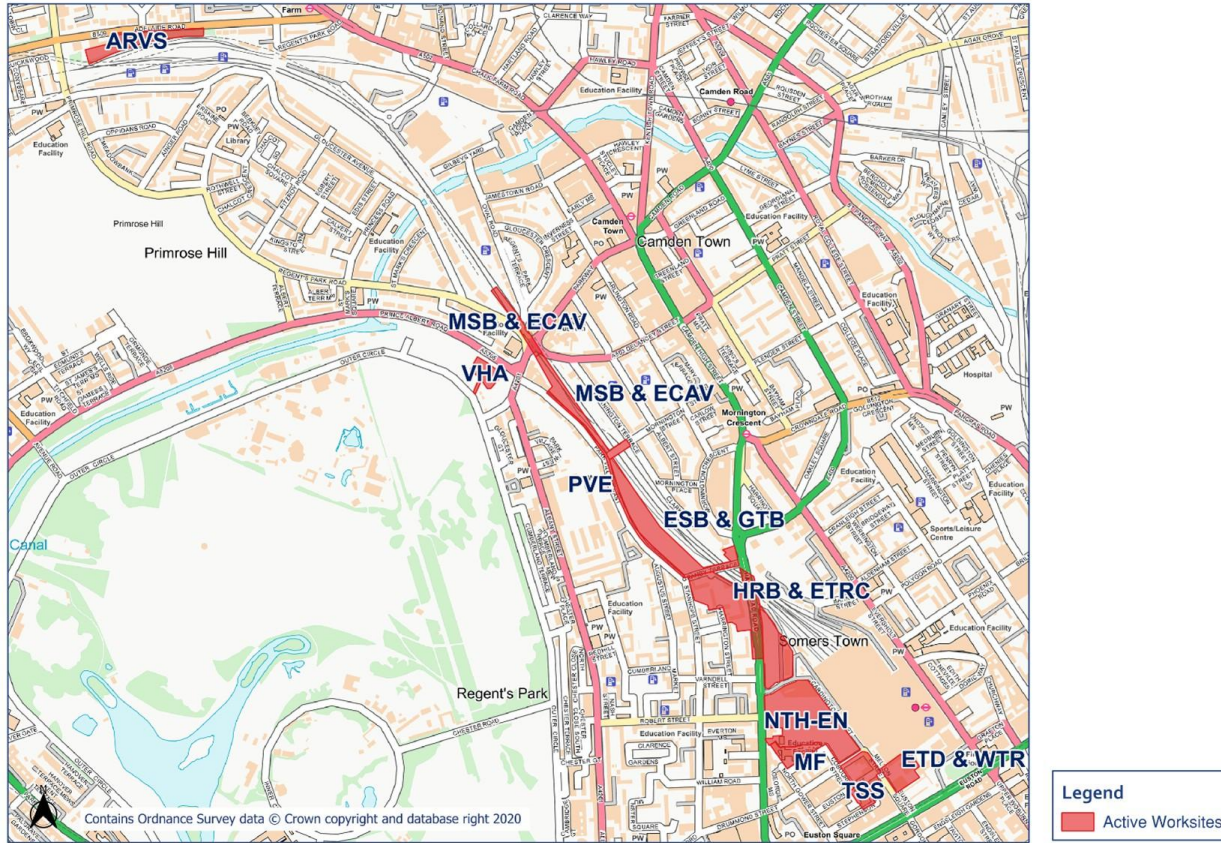
2.4.1 Table 8 provides a summary of complaint information related to noise and vibration received during the reporting period, along with the findings of any investigation.

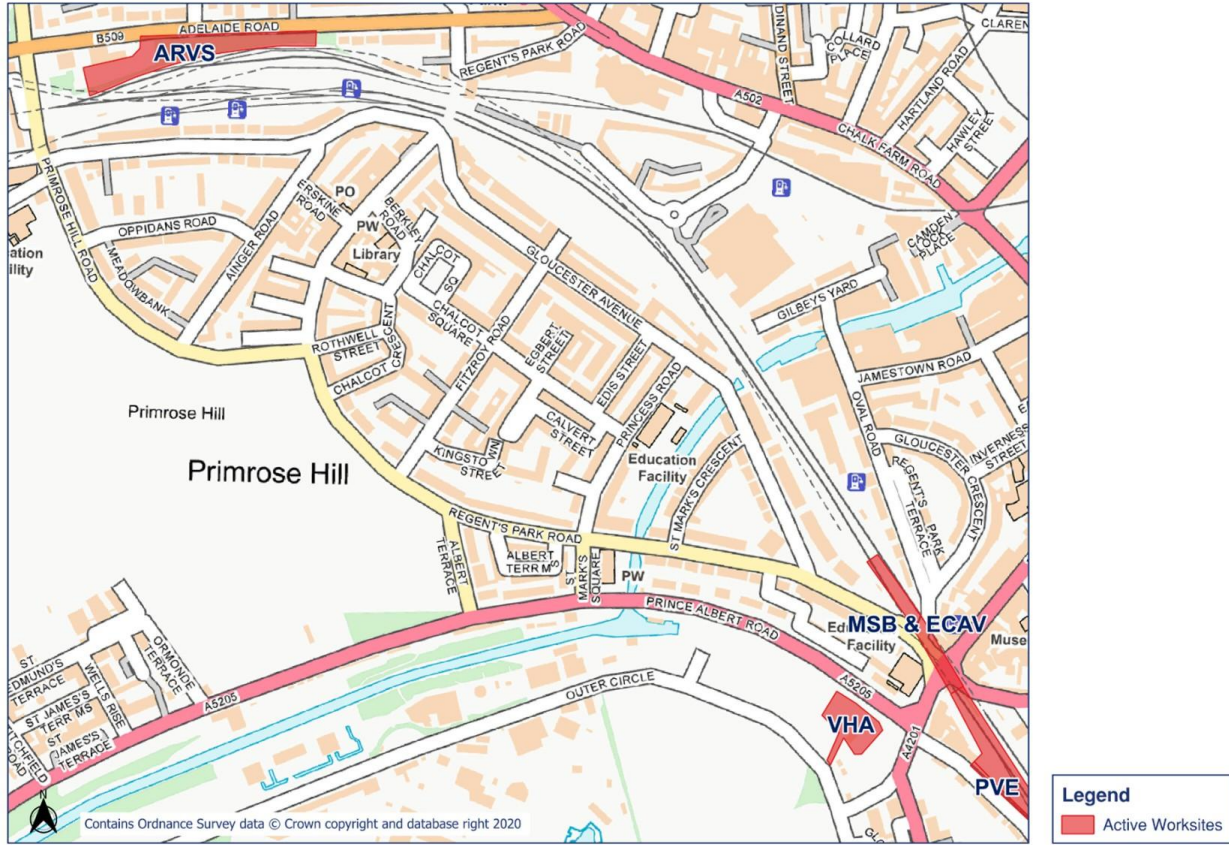
Table 8: Summary of Complaints

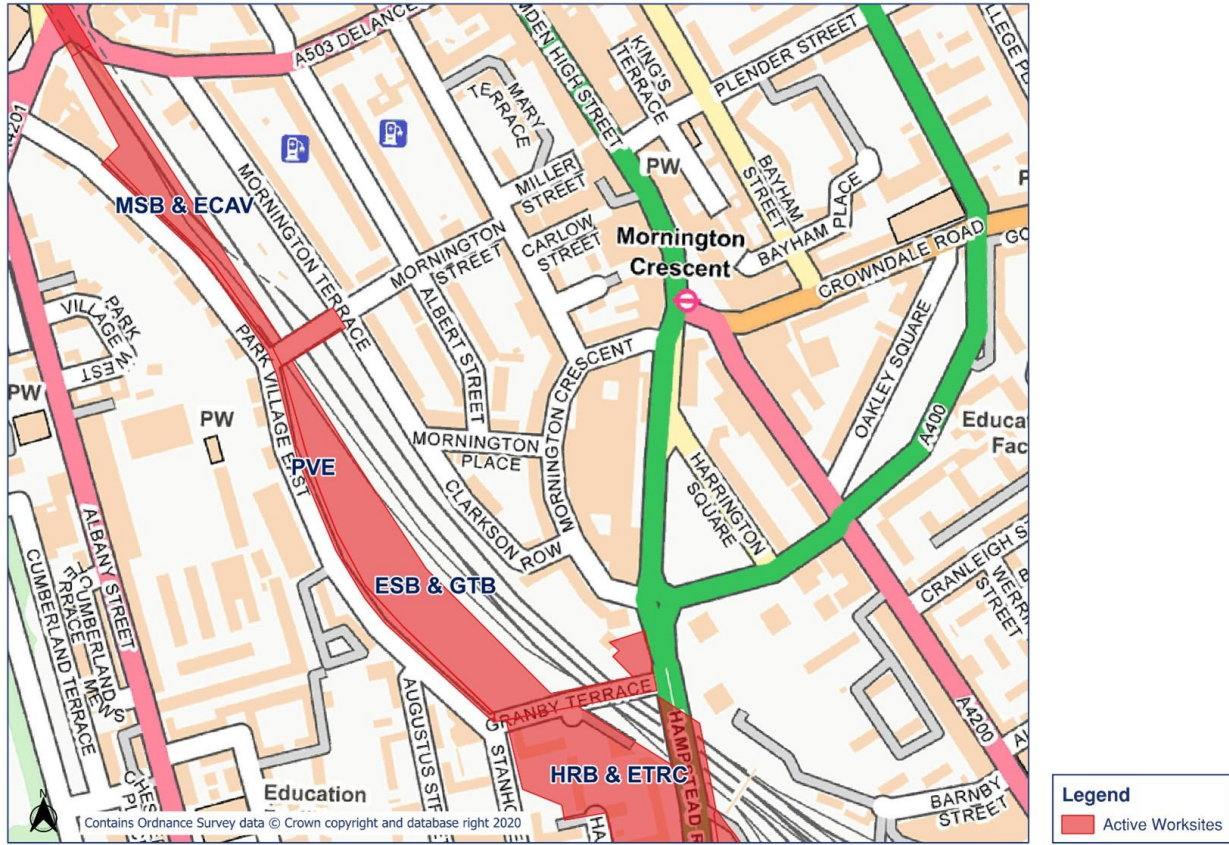
| Complaint Reference Number | Worksite Reference | Description of Complaint | Results of Investigation | Actions Taken |
|----------------------------------|--------------------|---|--|--|
| HS2-26-131377-E | ESB & GTB, PVE | The stakeholder reported being adversely affected by HS2 Euston works, citing ongoing noise, vibration, dust, and concerns about air pollution, which made it difficult to ventilate their older social housing property and worsened condensation issues. The stakeholder expressed distress about the proximity of works, including discomfort from crane activity, difficulty navigating roadworks, and a perceived lack of understanding of the resident impact. They also sought information about potential rehousing eligibility due to medical needs and requested formal confirmation that their tenancy had been impacted by the works. | N/A | A response was provided explaining that dust and noise impacts were actively monitored and mitigated through agreed controls, including restricted working hours and the use of quieter equipment and acoustic measures. It was acknowledged that some disruption was unavoidable due to the proximity of construction, but efforts have made to minimise impacts through planning and mitigation. The response advised that eligible properties could access a noise insulation scheme and a referral had been made, rehousing enquiries should be made to the housing officer. |
| HS2-26-47200-C HS2-26-47201-C | NTH-EN | Complaint regarding the wall demolition on Starcross Street. | Review of noise levels at N014 between 11:00 and 14:00 on the 17 th of March 2026 show 10-hour levels to be below the LOAEL (64.5 dB) and within tolerance of the levels consented within the Section 61. | The noise levels did not exceed levels consented levels within the Section 61. |
| HS2-26-47218-C | TSS | Complaints relating to the use of the Vacuum Excavator near the TSS entrance on Drummond St | Review of noise levels at N012 between 12:30 and 14:30 on the 24 th of March 2026 show 10-hour levels to be 78.3 dB. Noise levels a result of the proximity Vacuum Excavator to the noise monitor caused the 10-hour noise level to rise quickly. Measured levels within tolerance of those consented within the relevant Section 61. | Review of working methods and location of plant undertaken resulting in lower noise levels on subsequent days. |

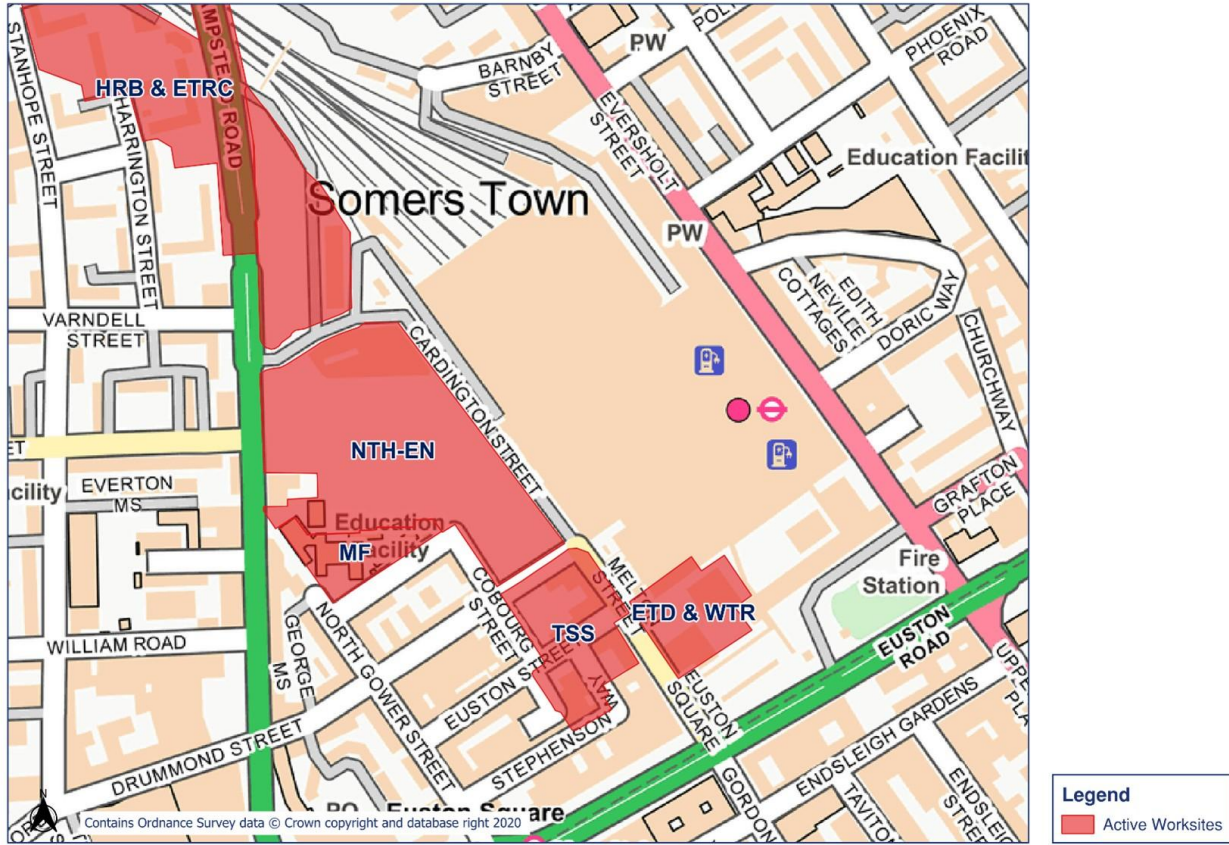
Appendix A Site Locations

HS2 Worksite Identification Plan - Overview





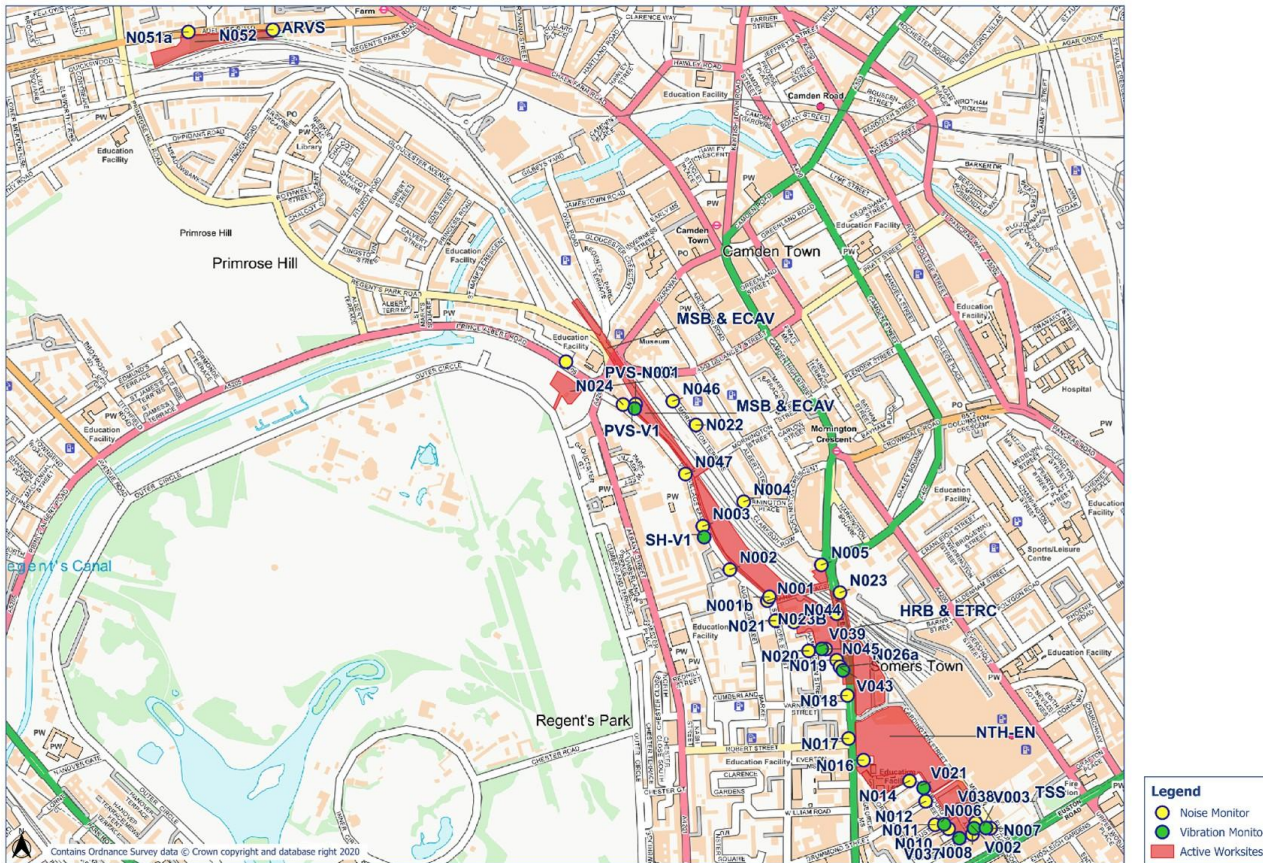




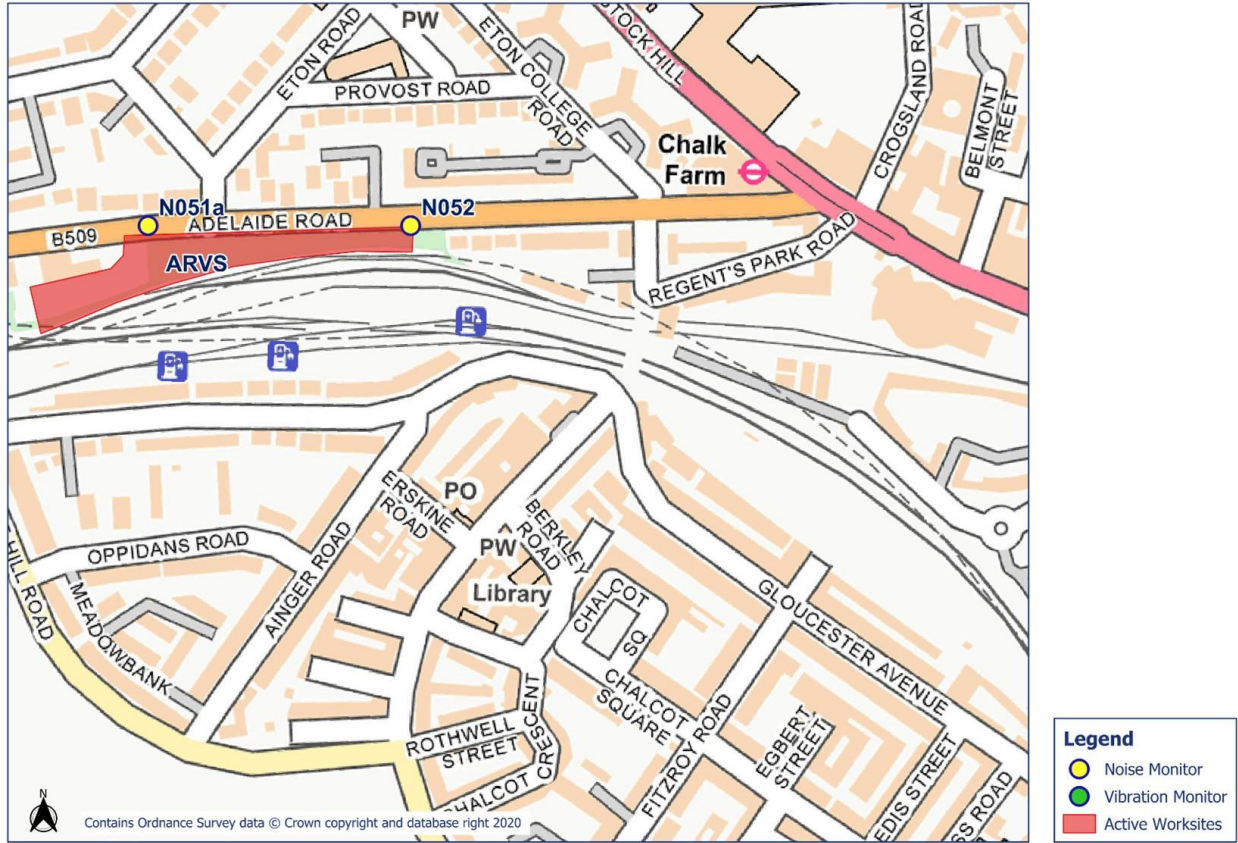
Appendix B Monitoring Locations

HS2

Noise and Vibration Monitoring Plan - Overview



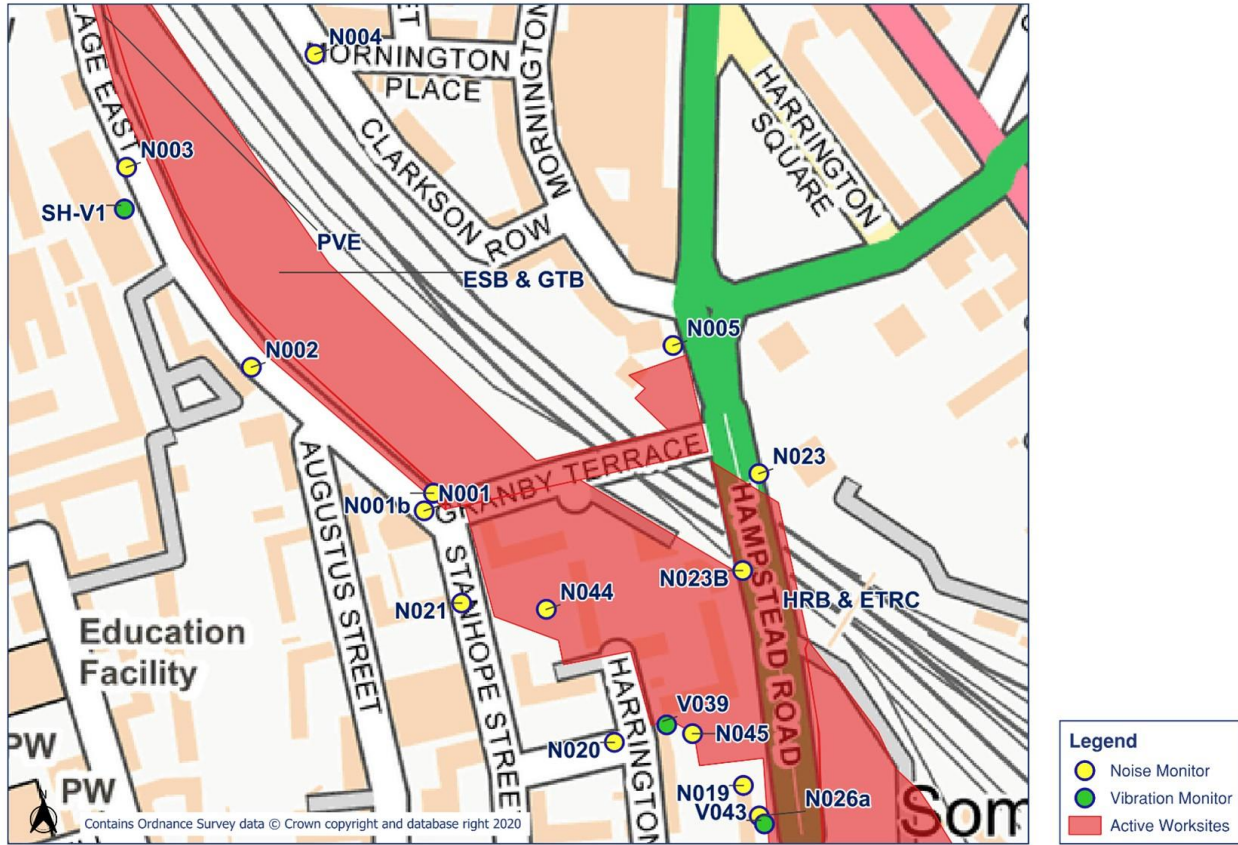
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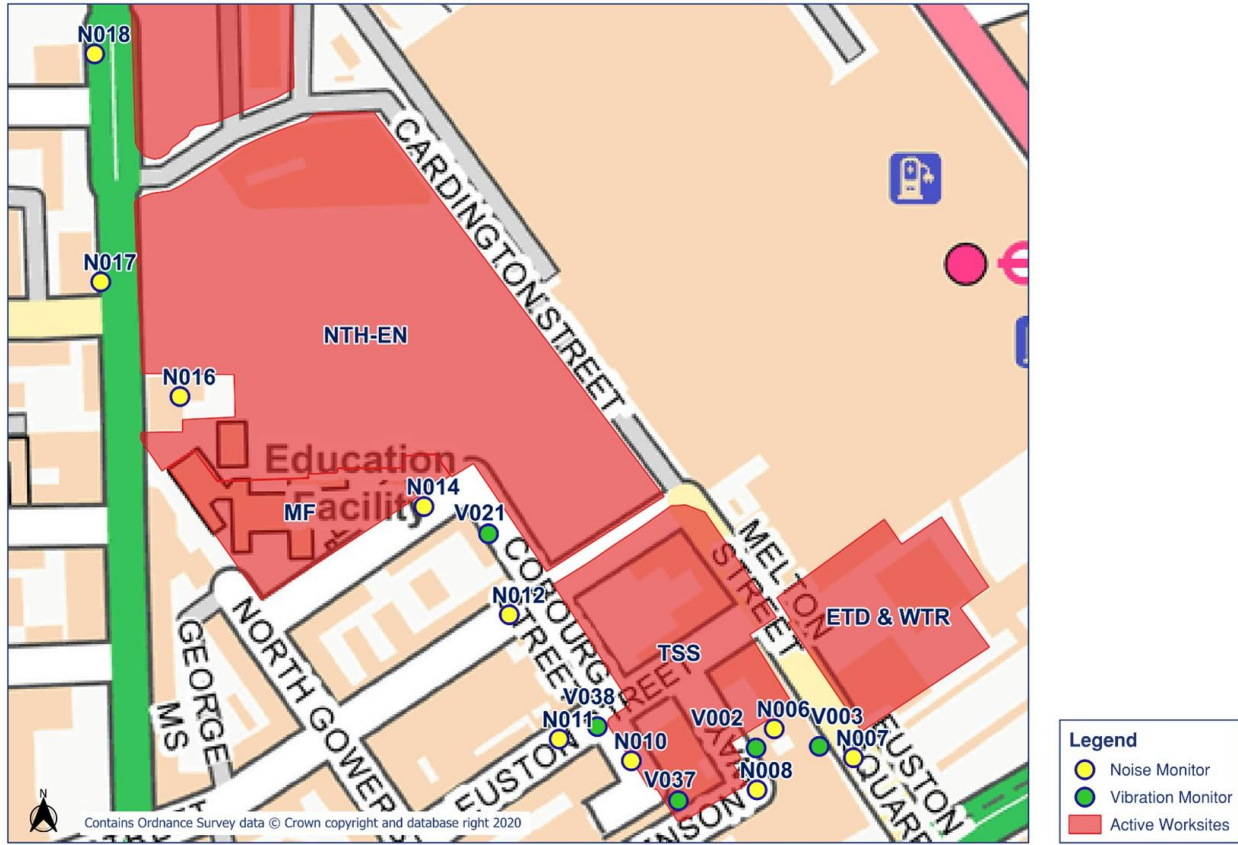
HS2 Noise and Vibration Monitoring Plan - 2



HS2 Noise and Vibration Monitoring Plan - 3



HS2 Noise and Vibration Monitoring Plan - 4



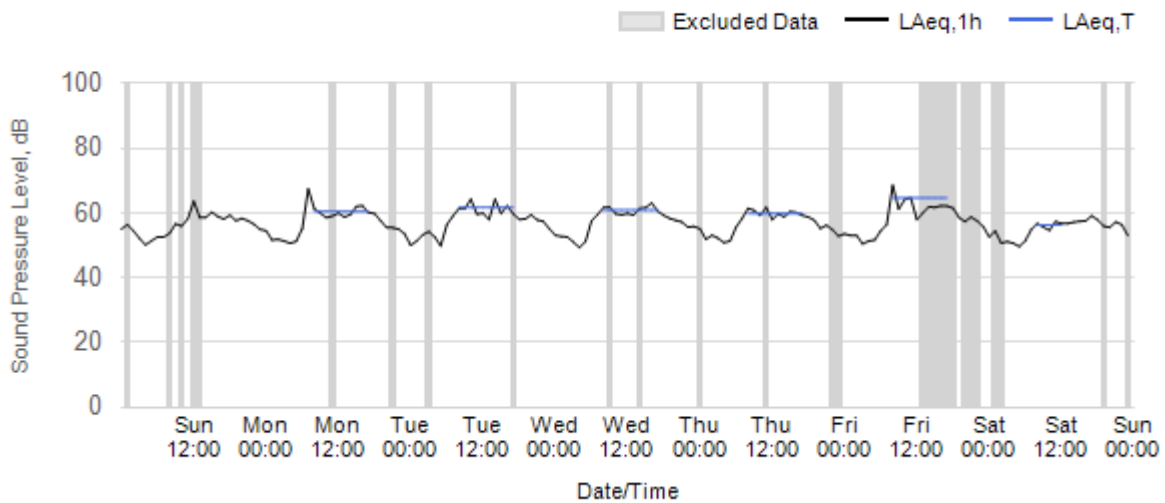
Appendix C Data

Noise

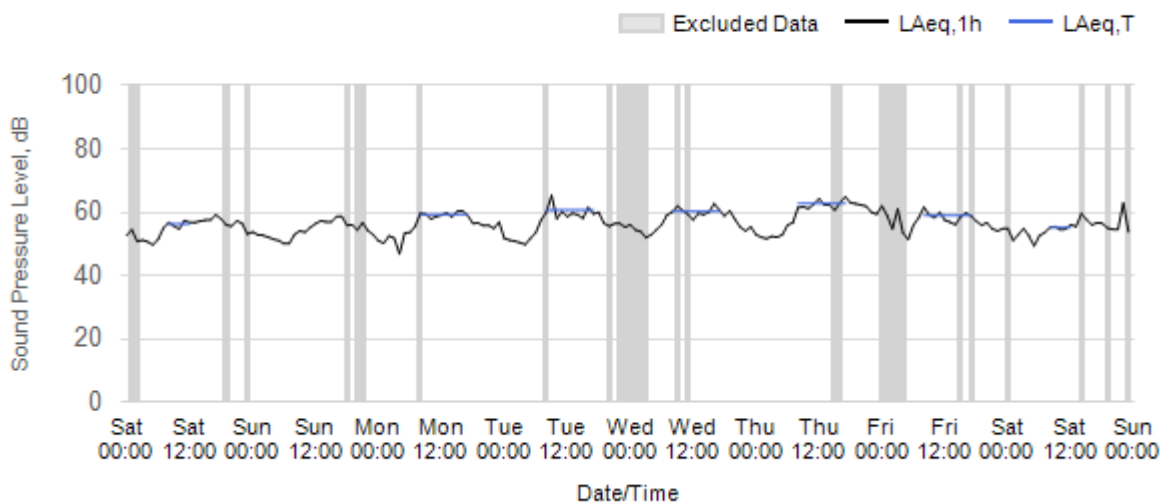
The following graphs show the hourly measured ambient noise level LAeq,1h and, where relevant, the averaged noise level LAeq,T values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part of the period, which are not representative of HS2 construction works, have been greyed out and excluded from the calculation of the LAeq,T values in in Table 3 of the main report.

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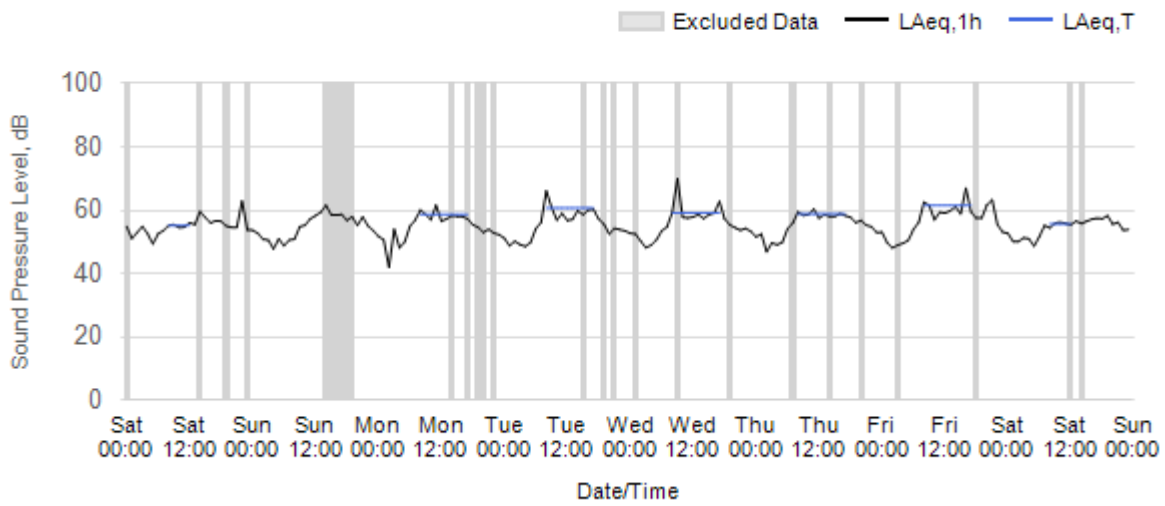
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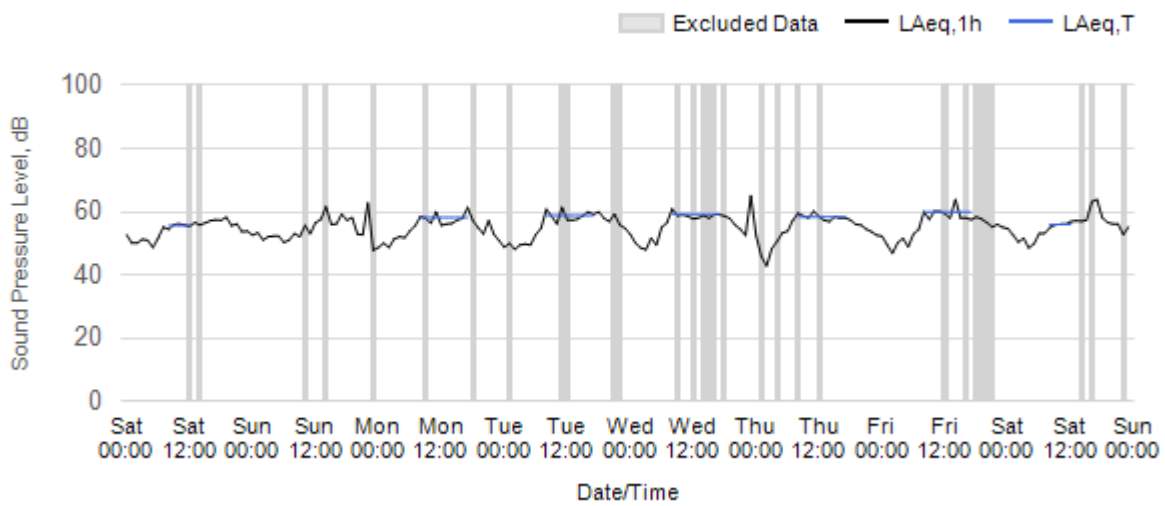
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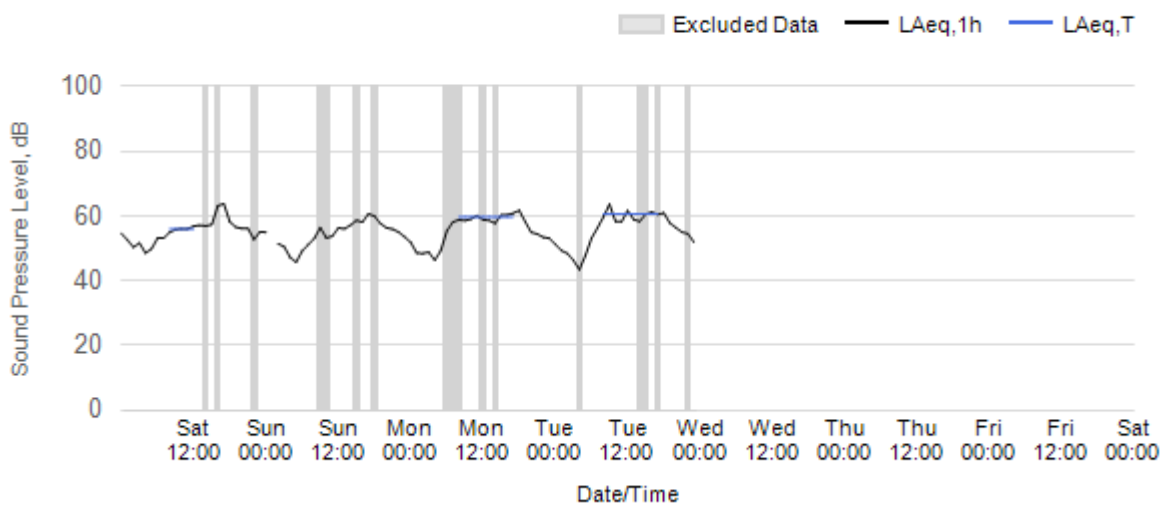
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Worksite: Euston Approaches Monitoring Ref: N021 22 March 2026 to 28 March 2026



Worksite: Euston Approaches Monitoring Ref: N021 29 March 2026 to 4 April 2026

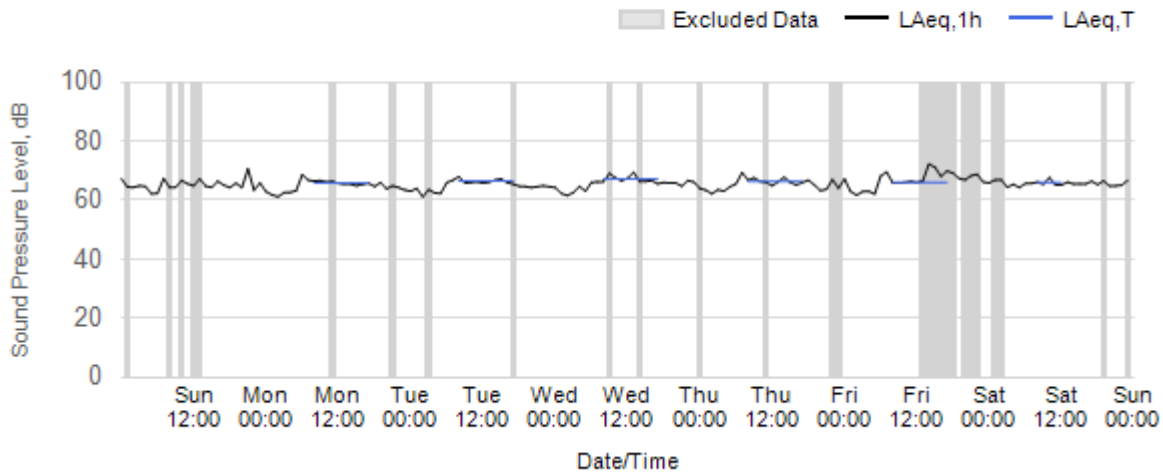


Worksite: Euston Approaches - Monitoring Ref: N004

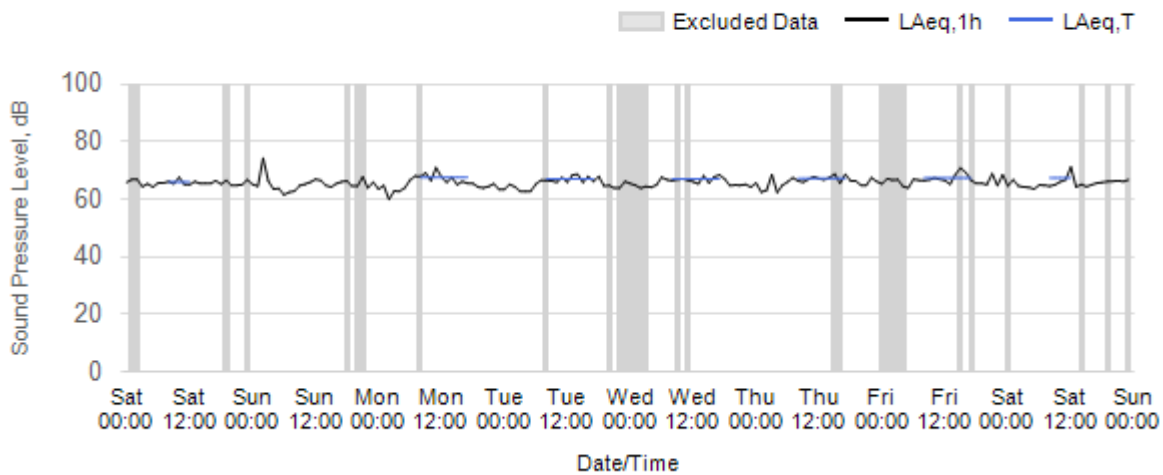
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches Vehicle Holding Area - Monitoring Ref: N025

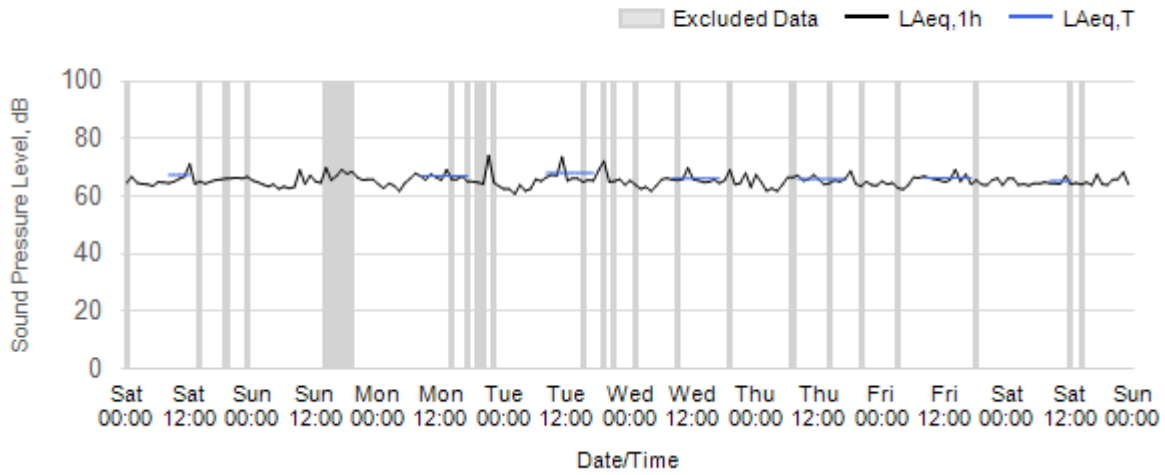
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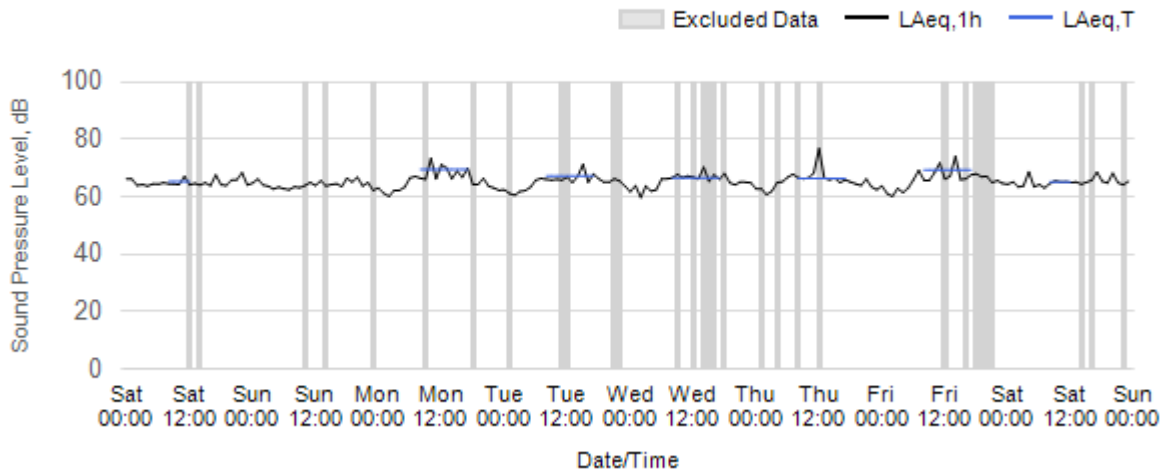
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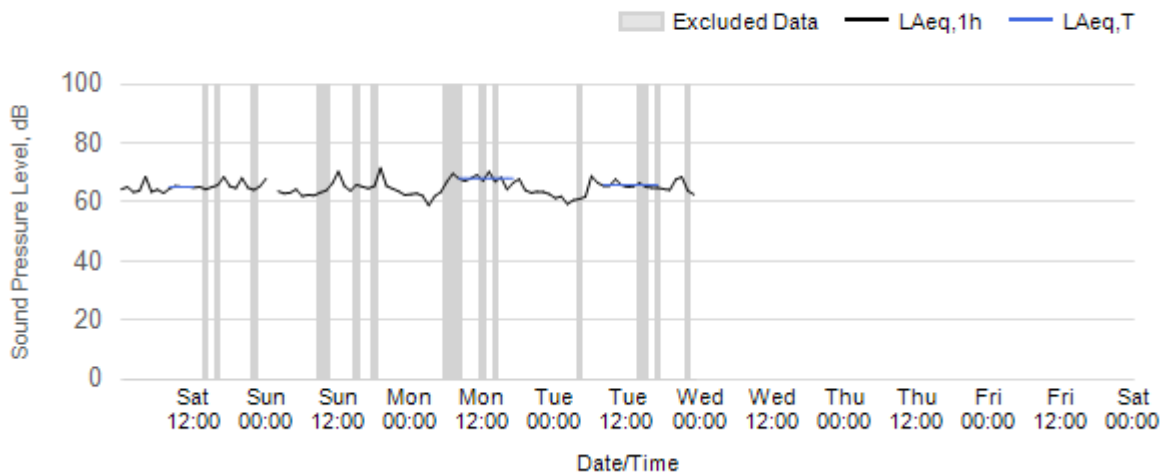
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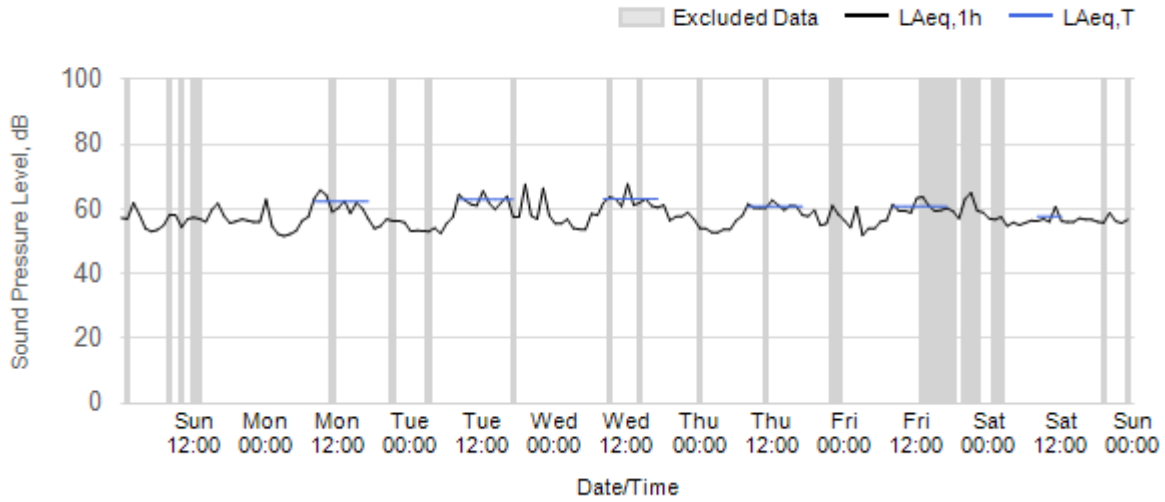


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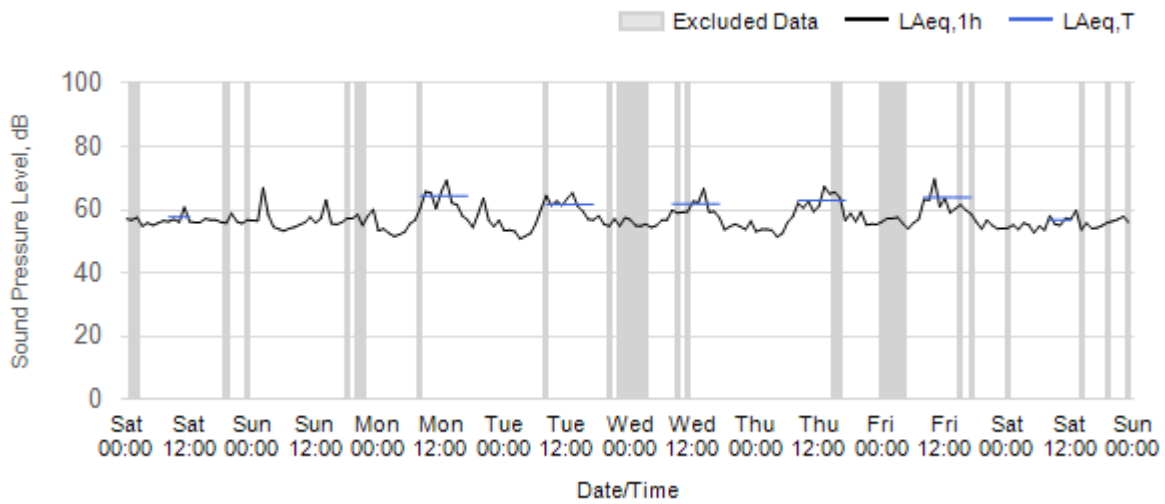


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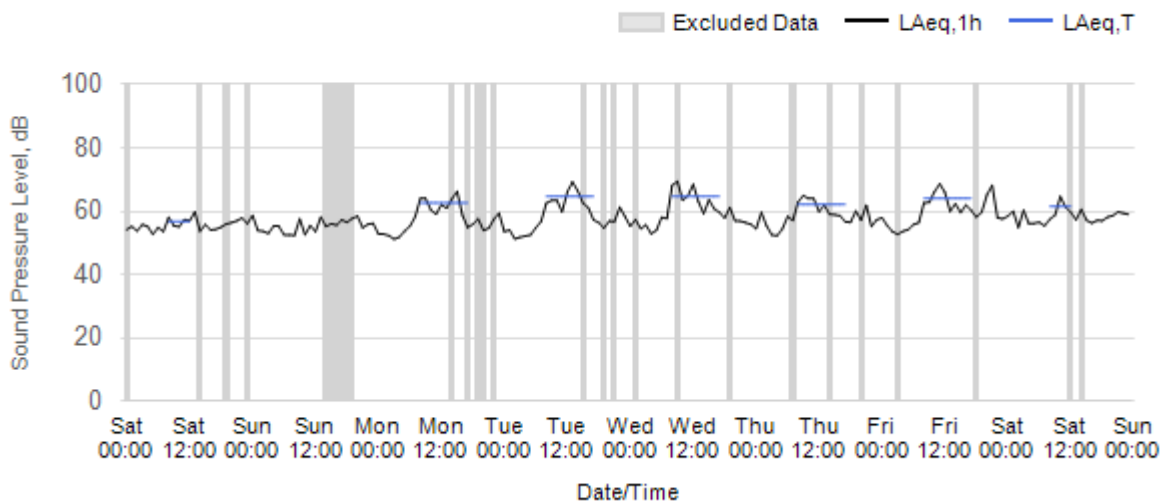
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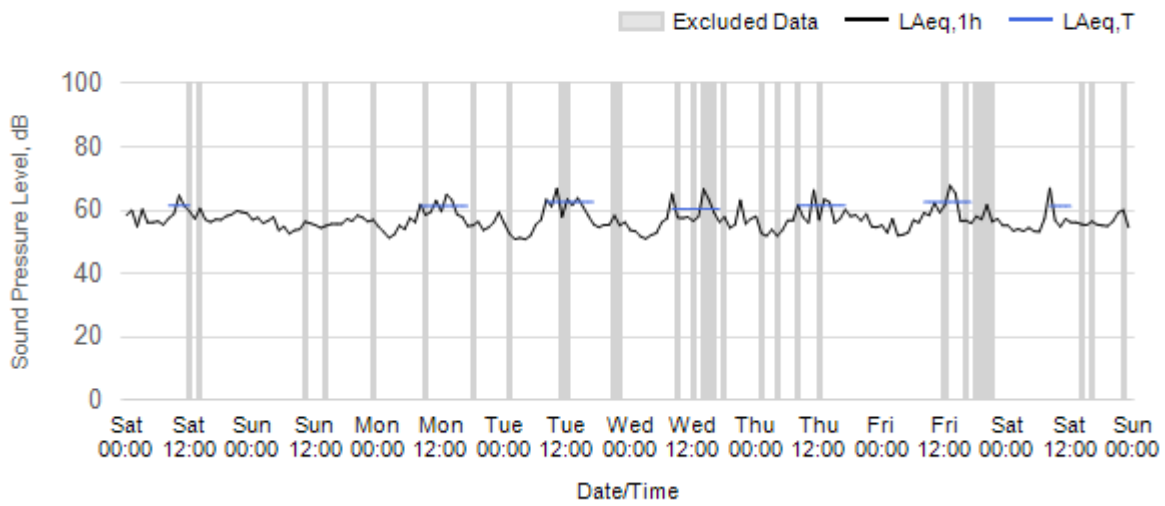
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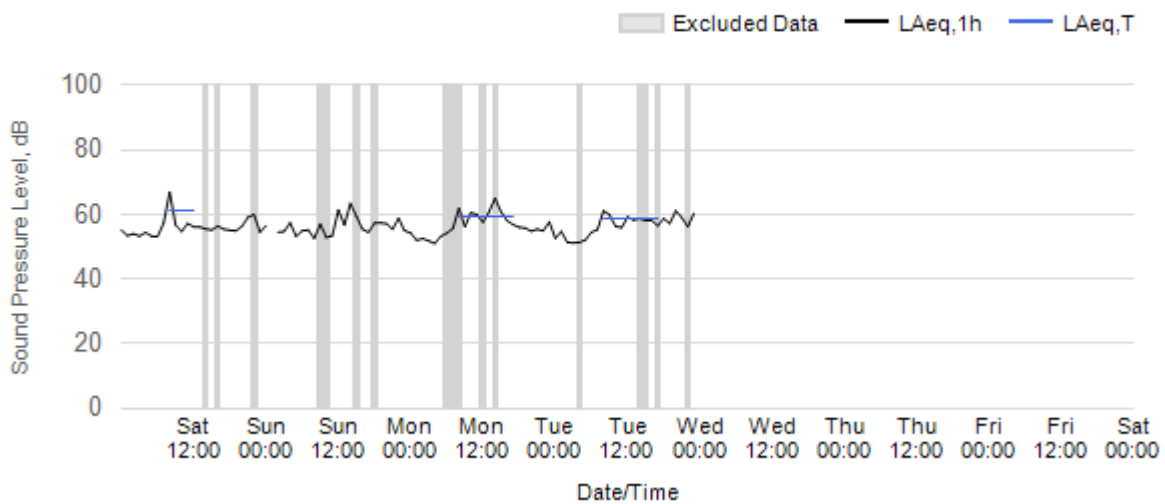
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Worksite: Euston Approaches Monitoring Ref: N026a 22 March 2026 to 28 March 2026



Worksite: Euston Approaches Monitoring Ref: N026a 29 March 2026 to 4 April 2026



Worksite: Euston Approaches - Monitoring Ref: N023

Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N024

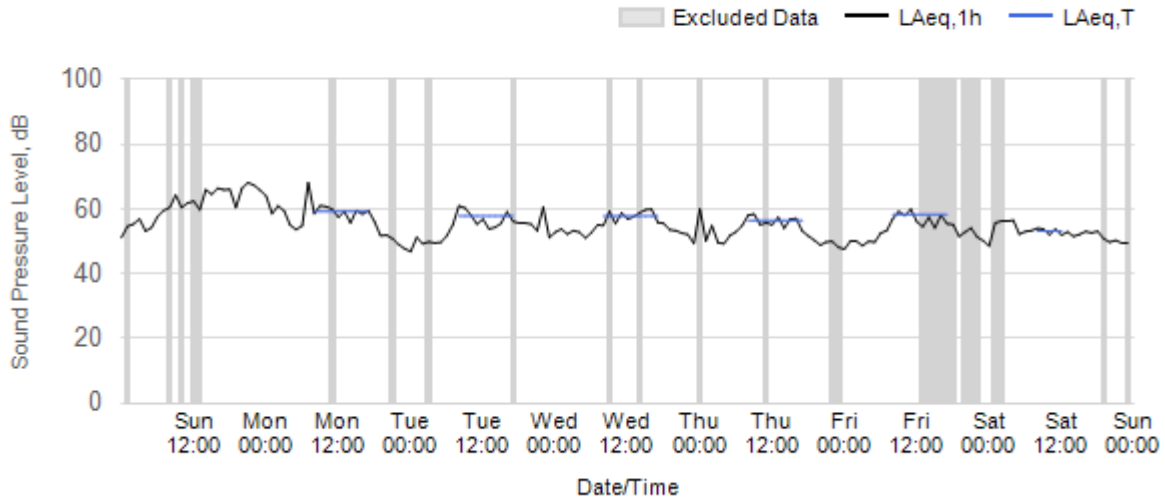
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

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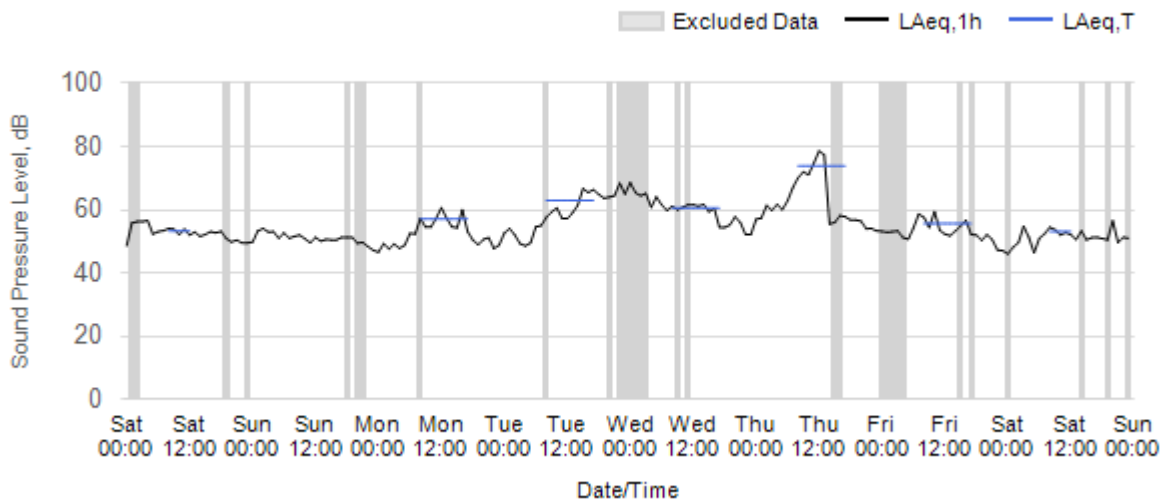
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

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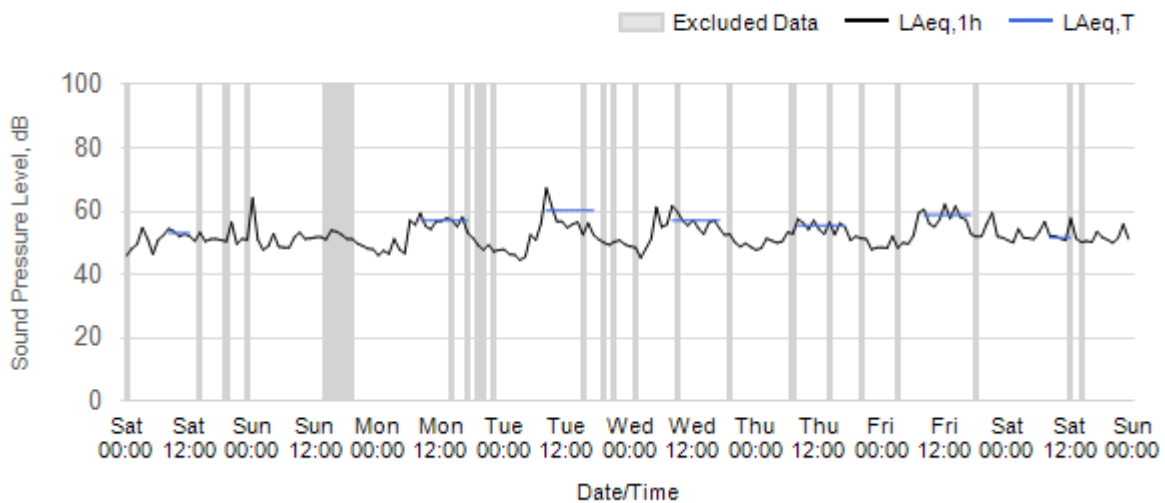
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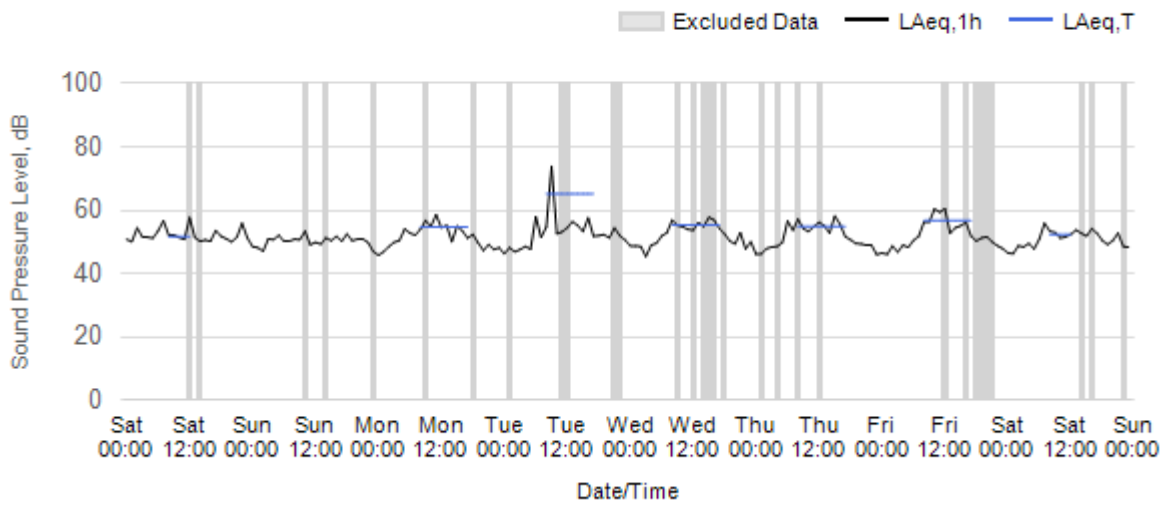
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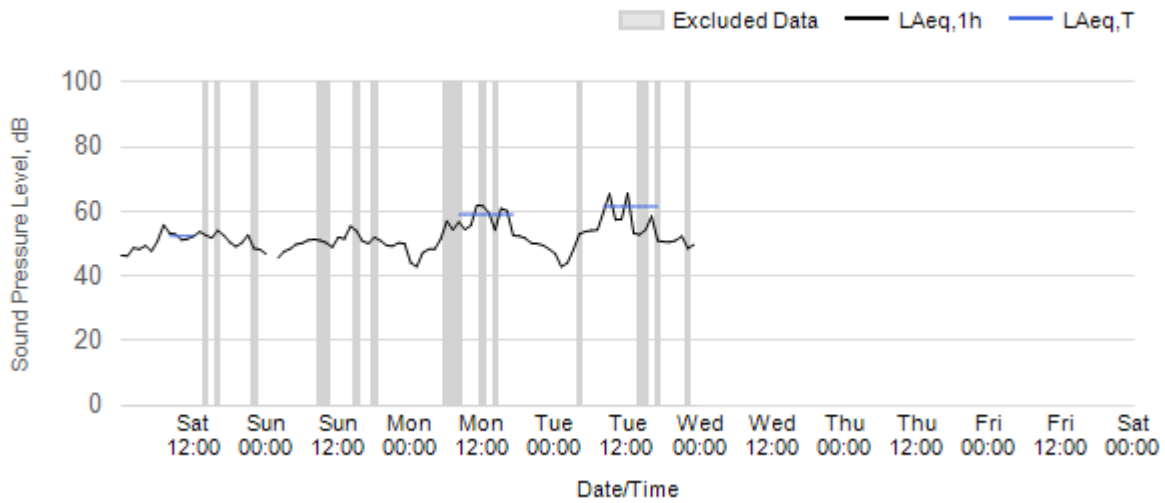
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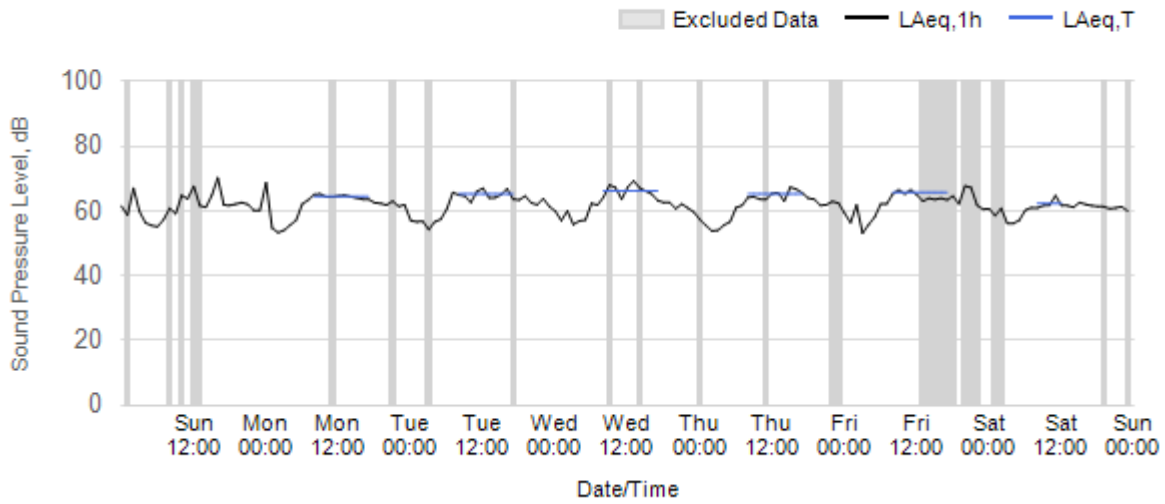


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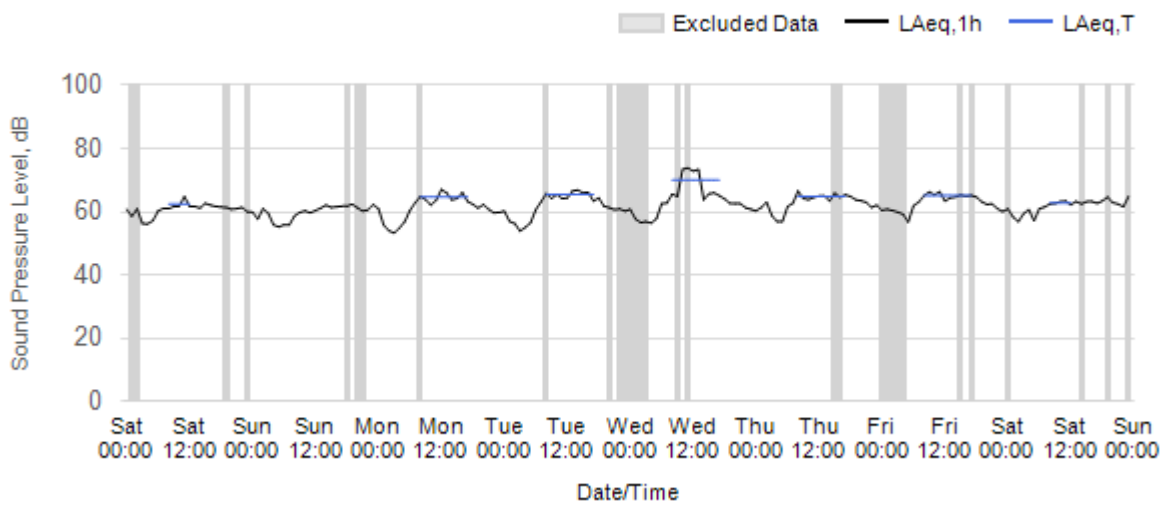
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N005

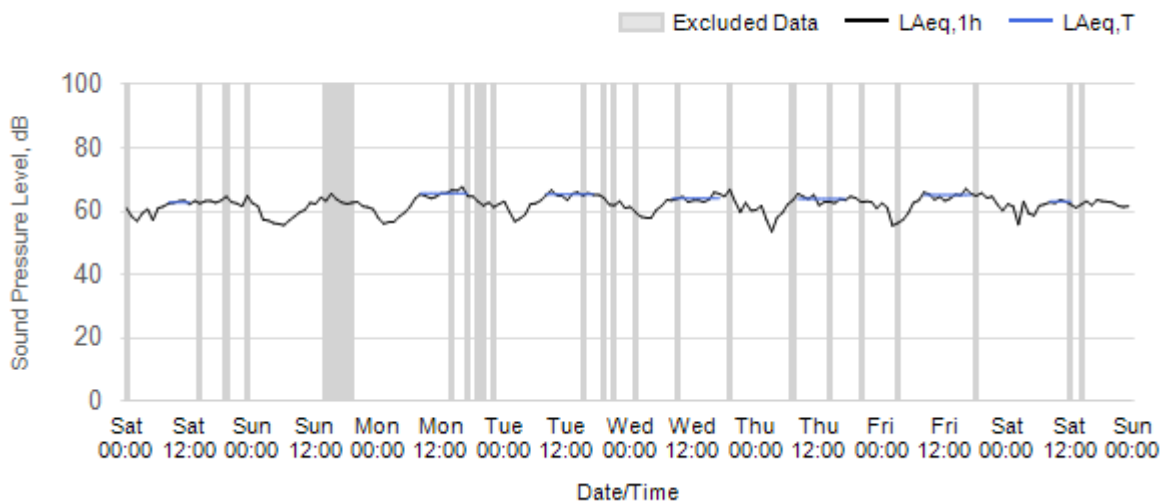
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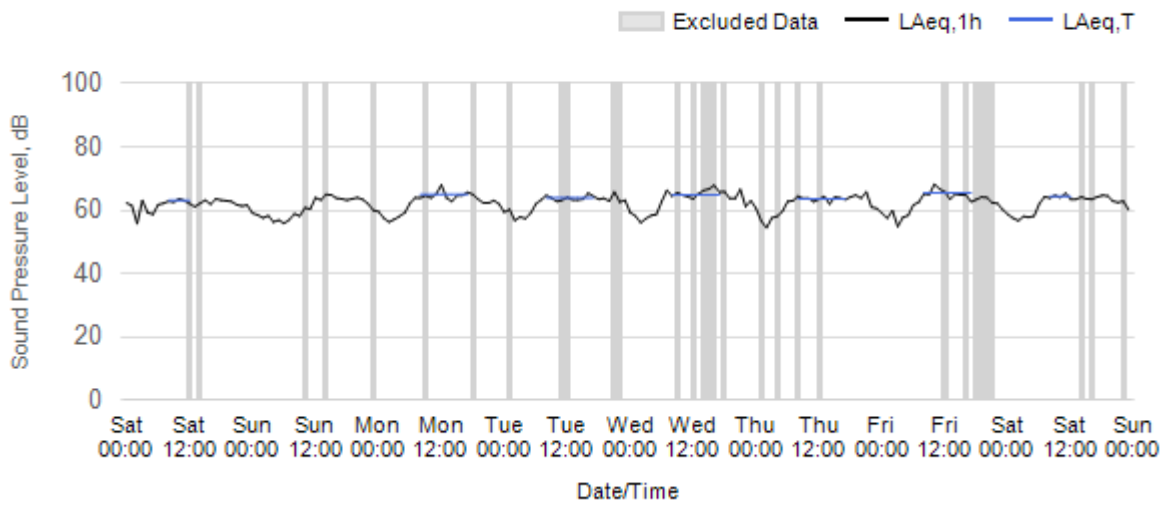
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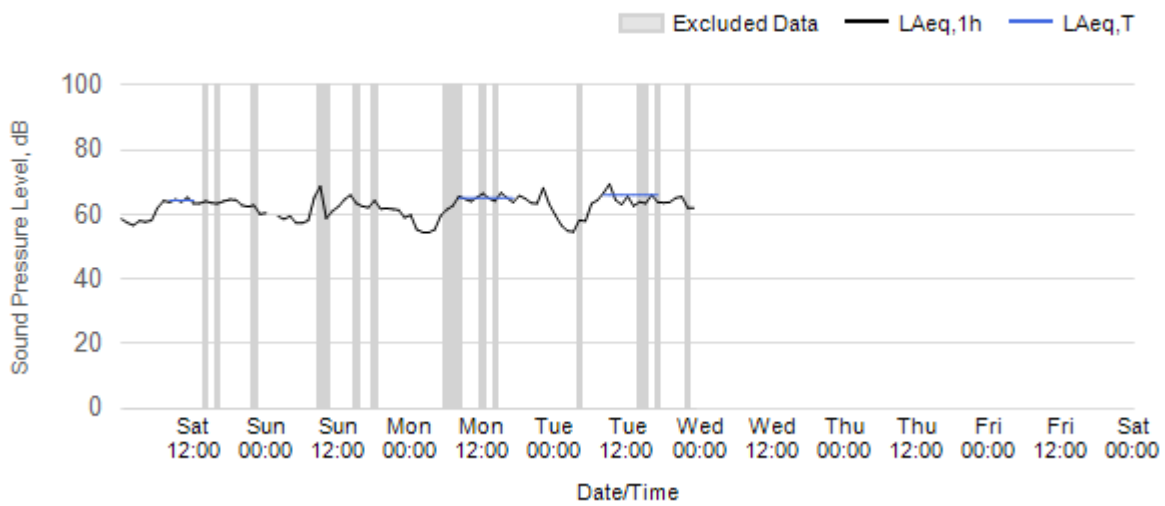
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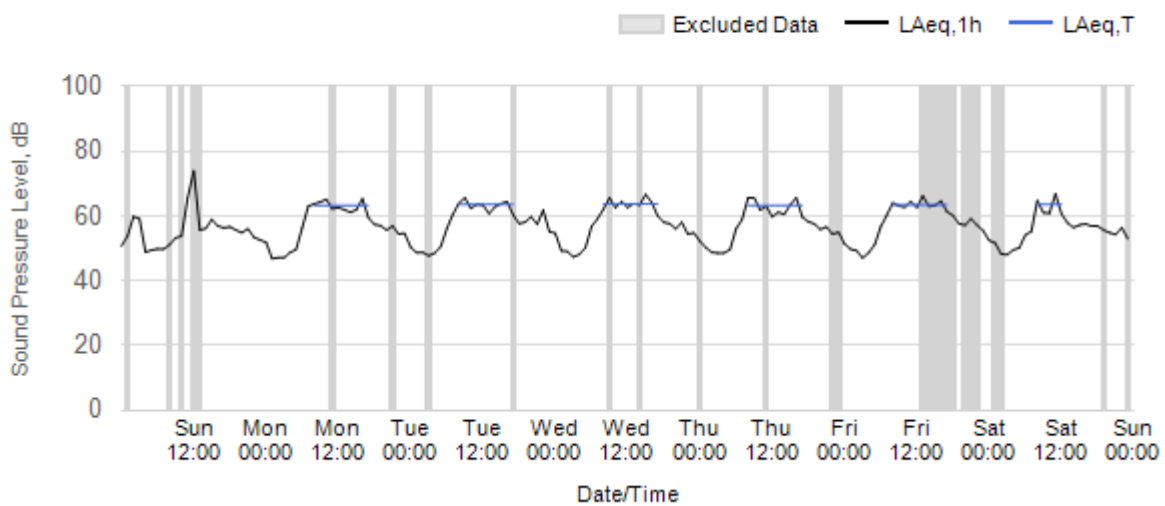


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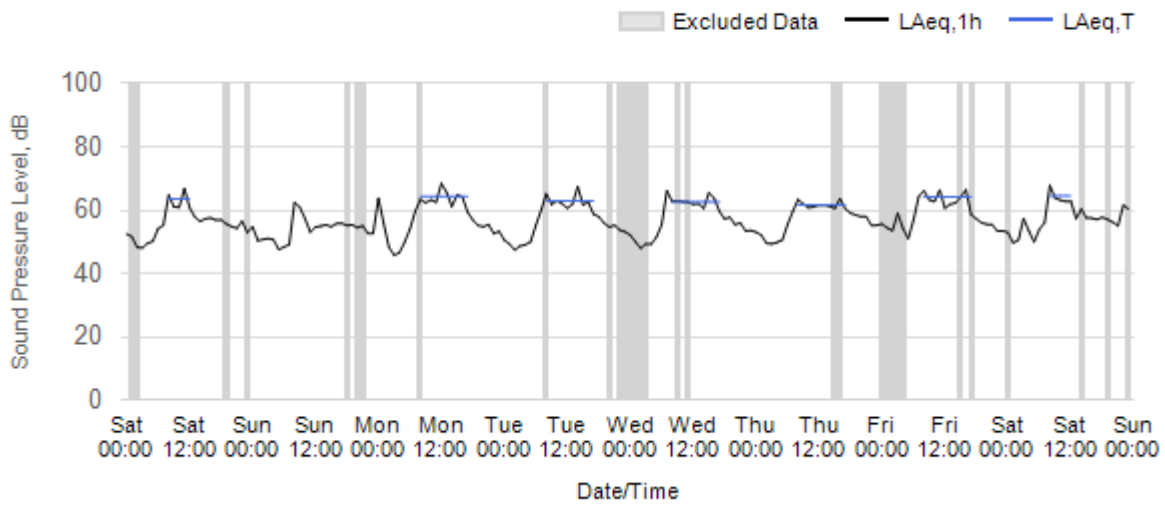


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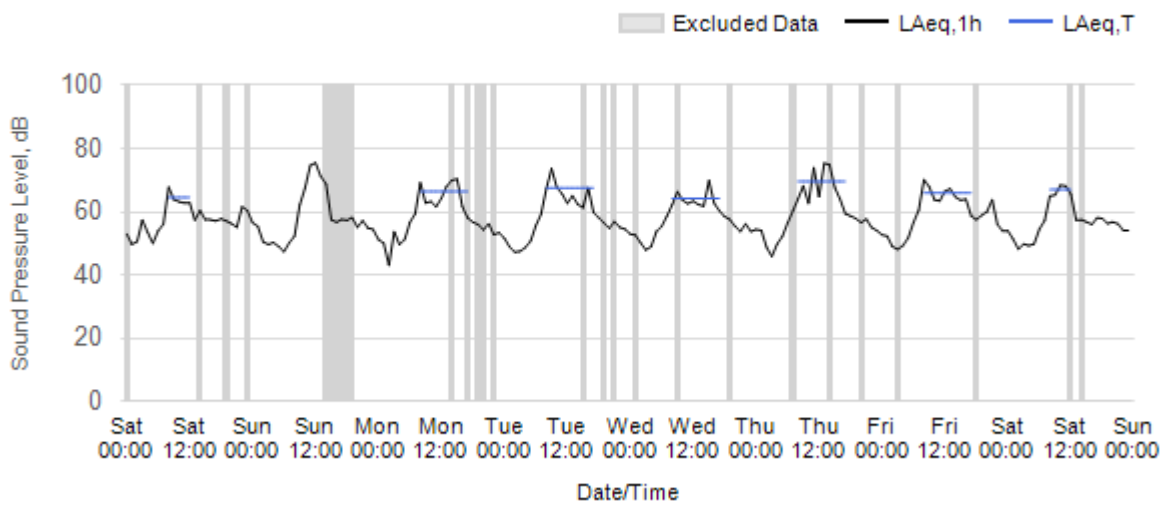
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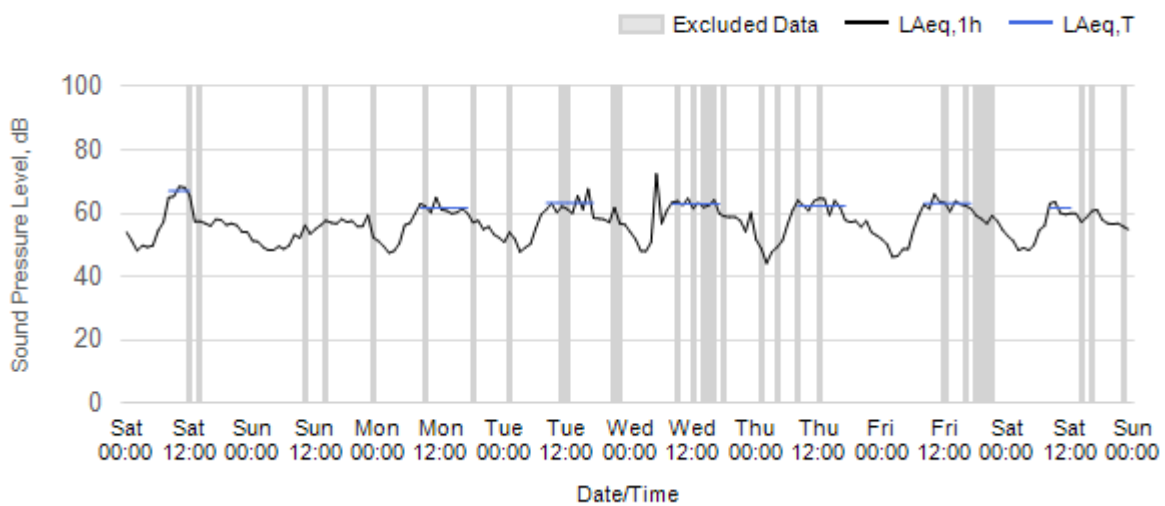
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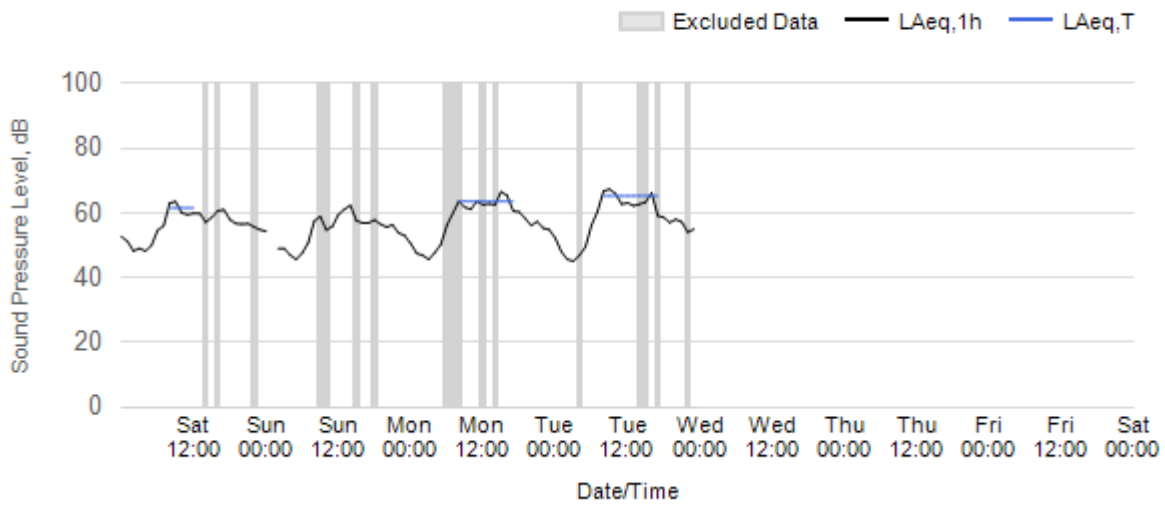
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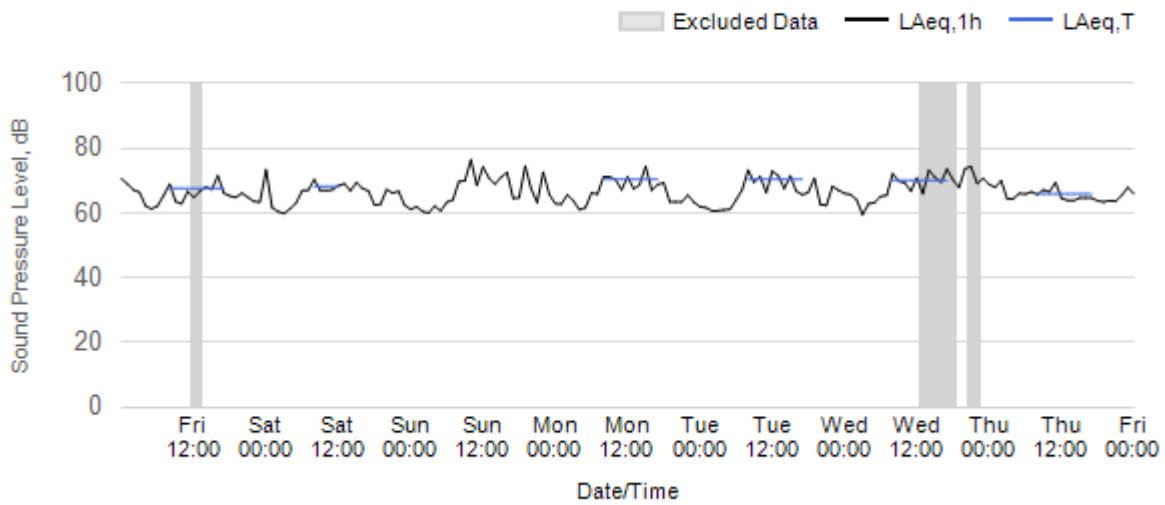


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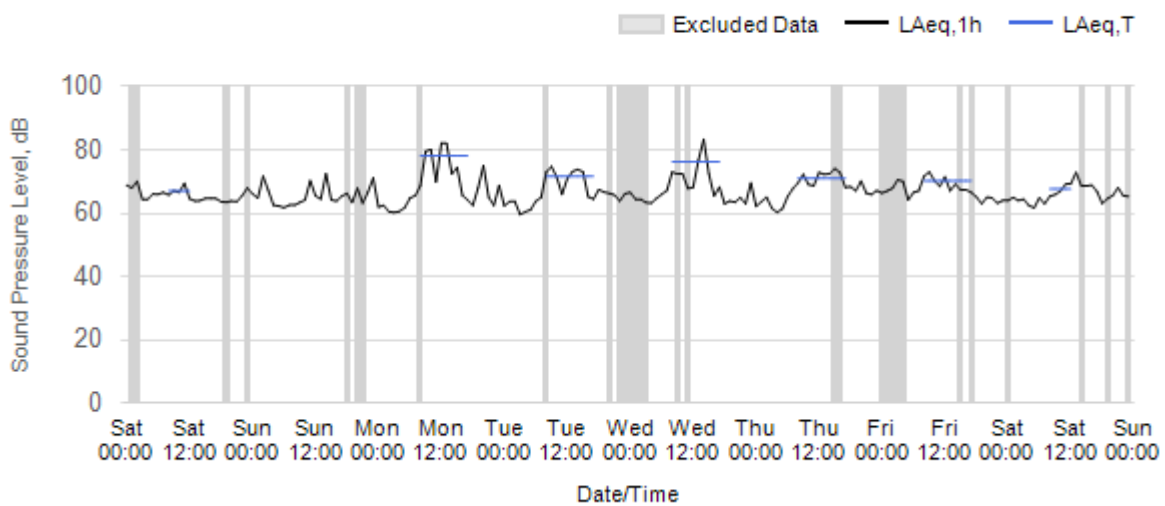


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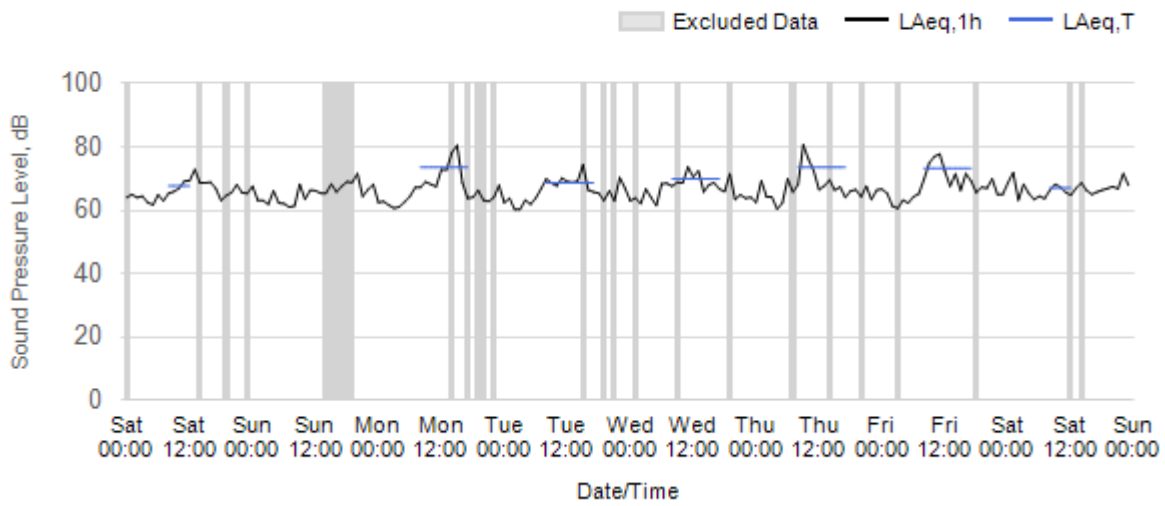
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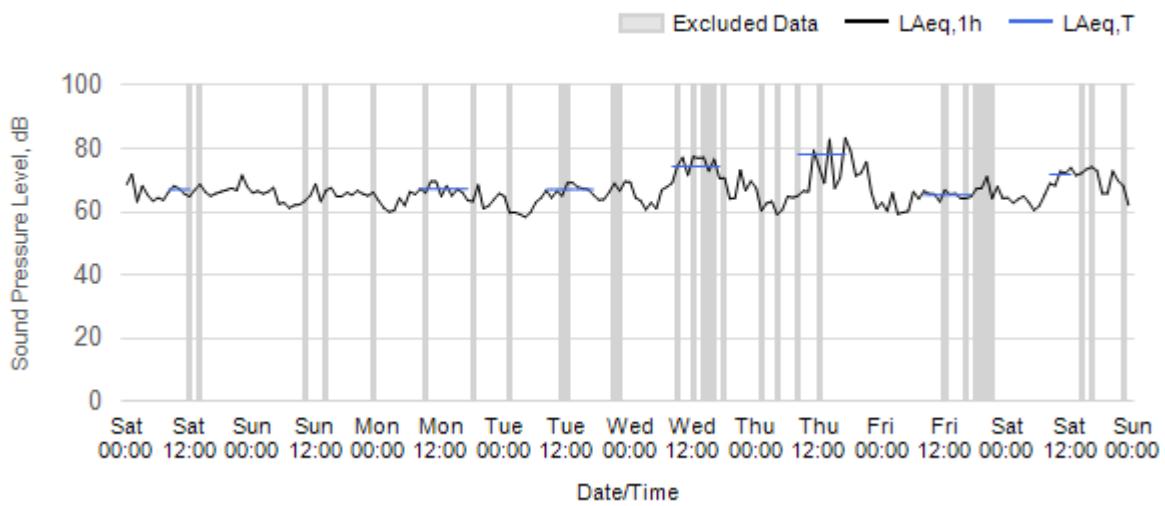
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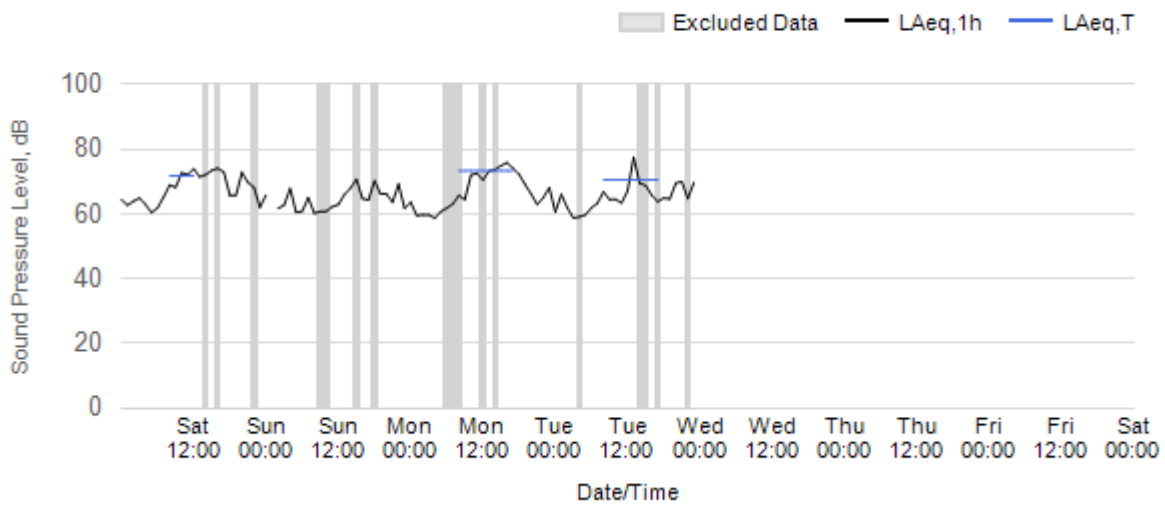
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Worksite: Euston Approaches Monitoring Ref: N018 22 March 2026 to 28 March 2026

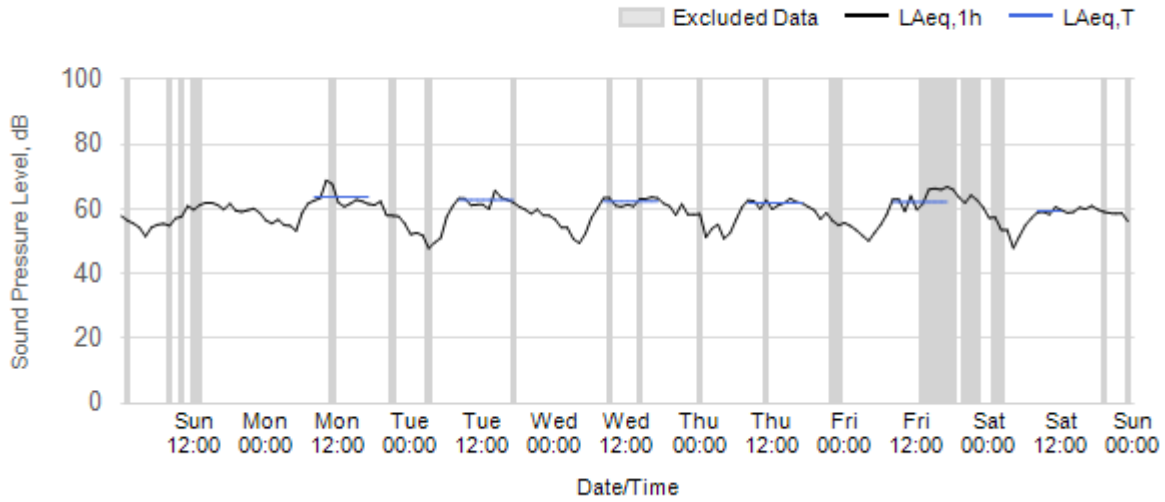


Worksite: Euston Approaches Monitoring Ref: N018 29 March 2026 to 4 April 2026

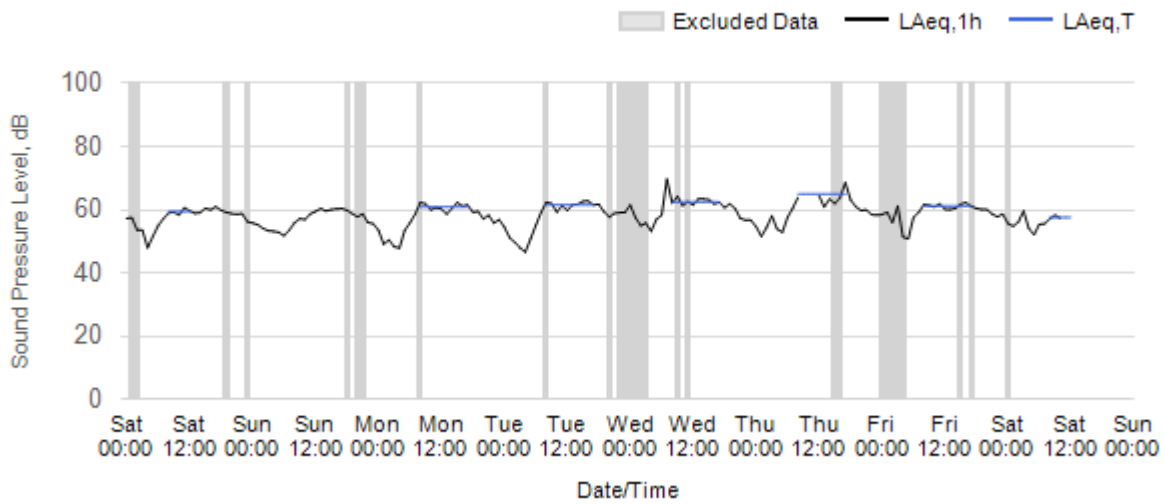


Worksite: Euston Approaches - Monitoring Ref: N003

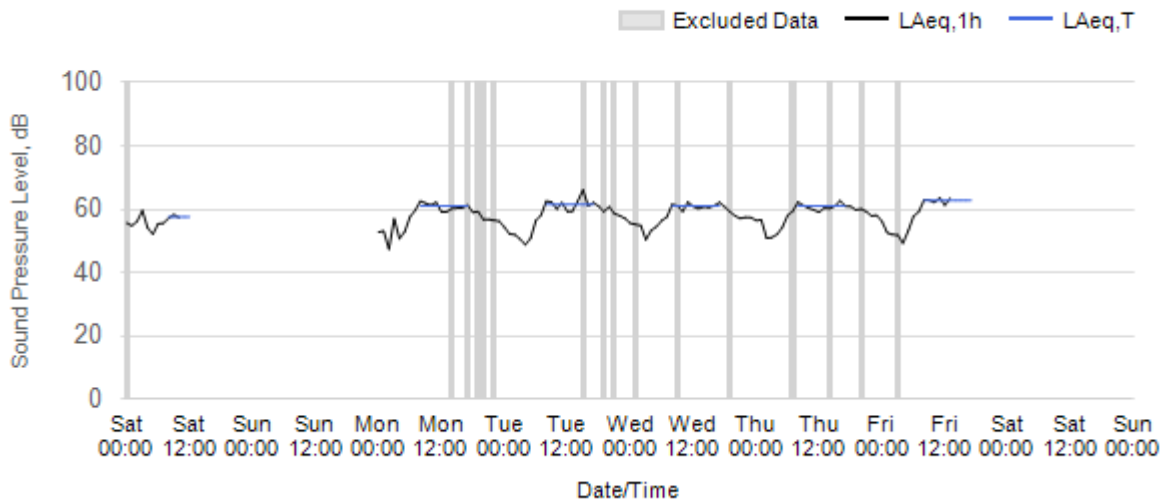
Worksite: Euston Approaches Monitoring Ref: N003 01 March 2026 to 07 March 2026



Worksite: Euston Approaches Monitoring Ref: N003 08 March 2026 to 14 March 2026

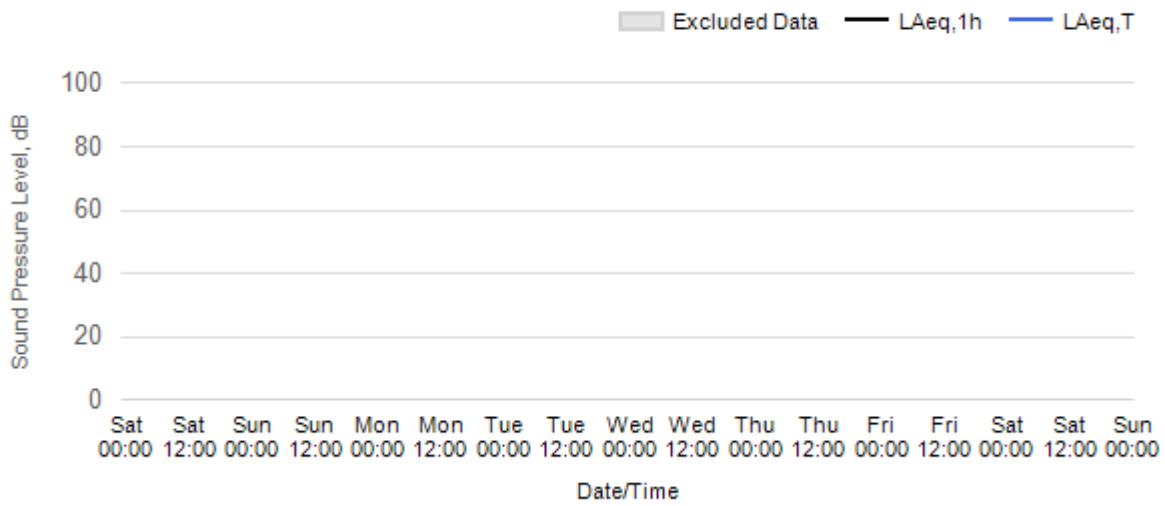


Worksite: Euston Approaches Monitoring Ref: N003 15 March 2026 to 21 March 2026



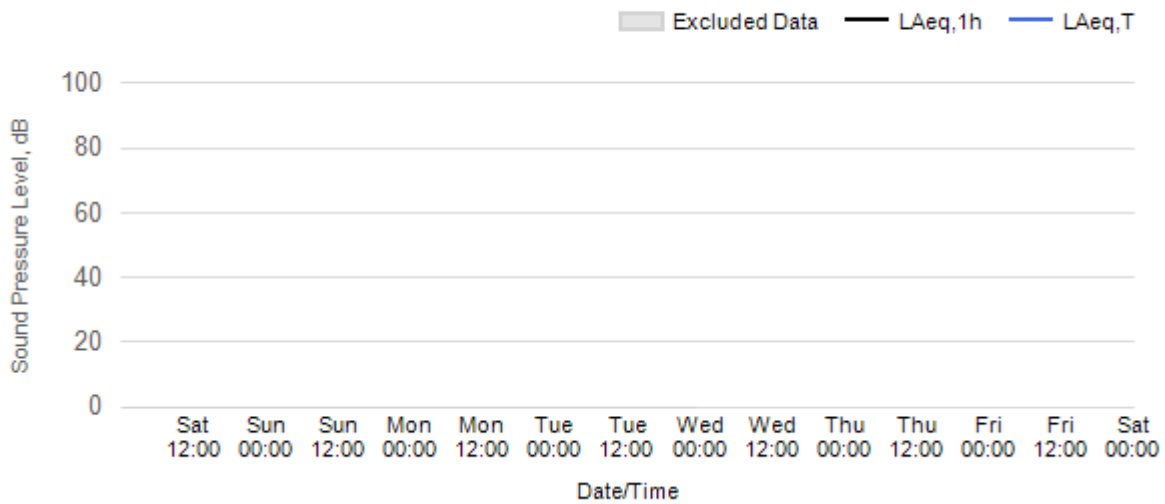
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches Monitoring Ref: N003 22 March 2026 to 28 March 2026



Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

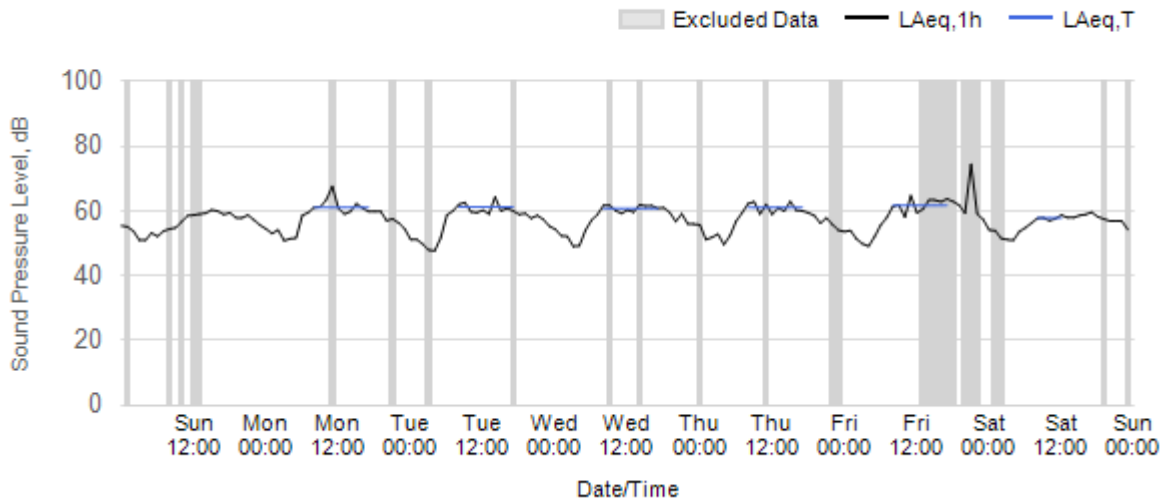
Worksite: Euston Approaches Monitoring Ref: N003 29 March 2026 to 4 April 2026



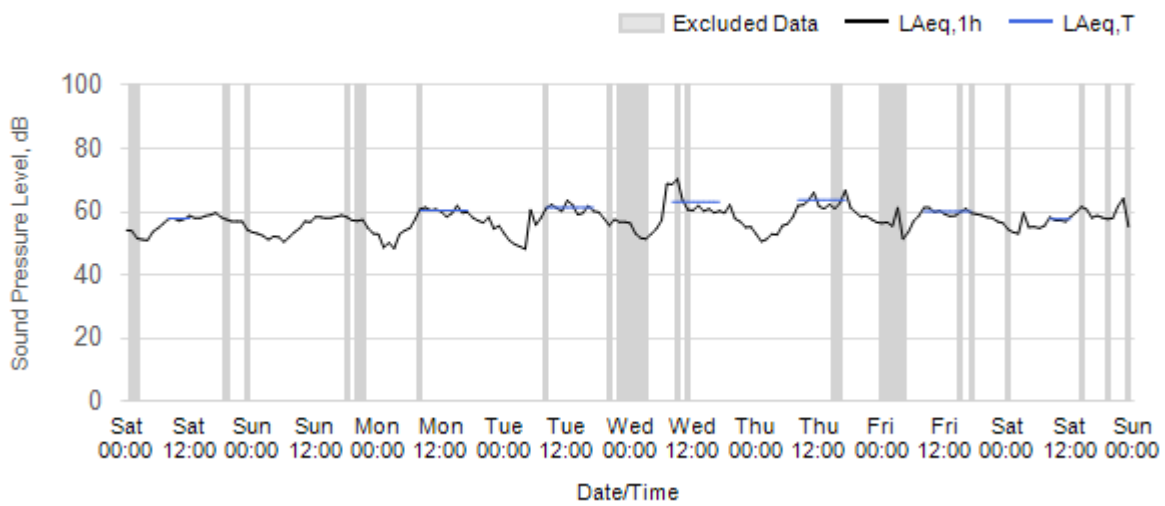
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N047

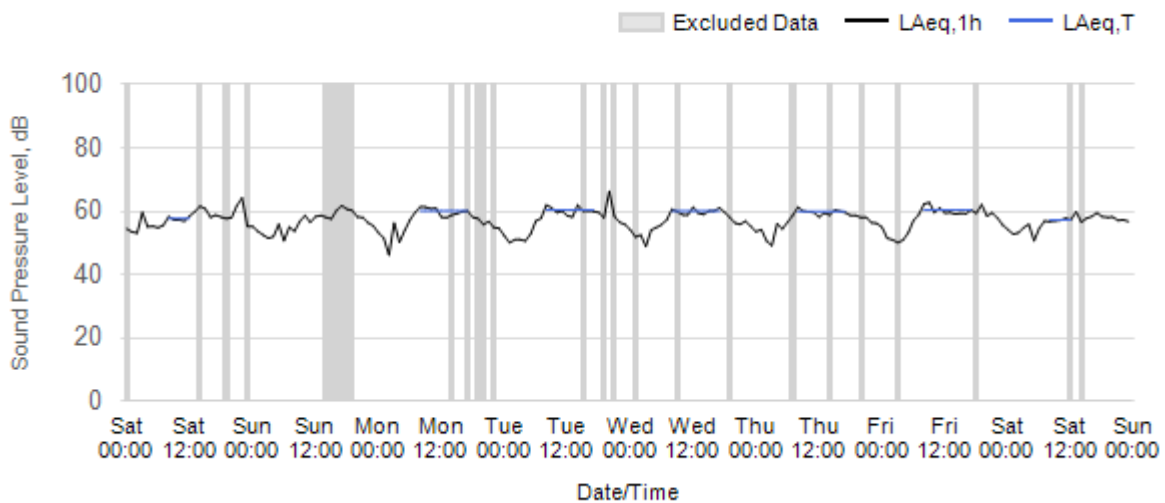
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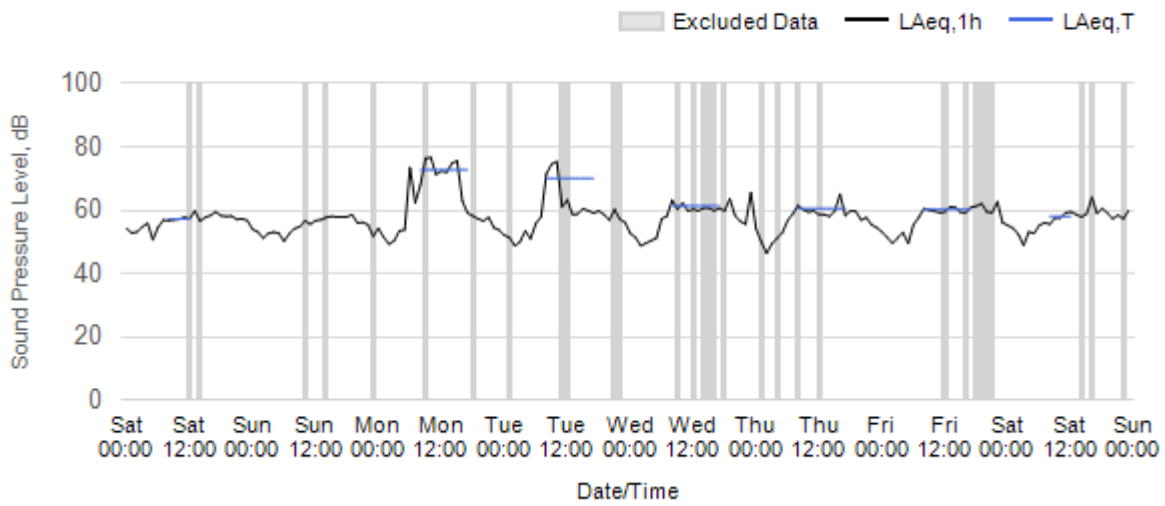
Worksite: Euston Approaches Monitoring Ref: N047 08 March 2026 to 14 March 2026



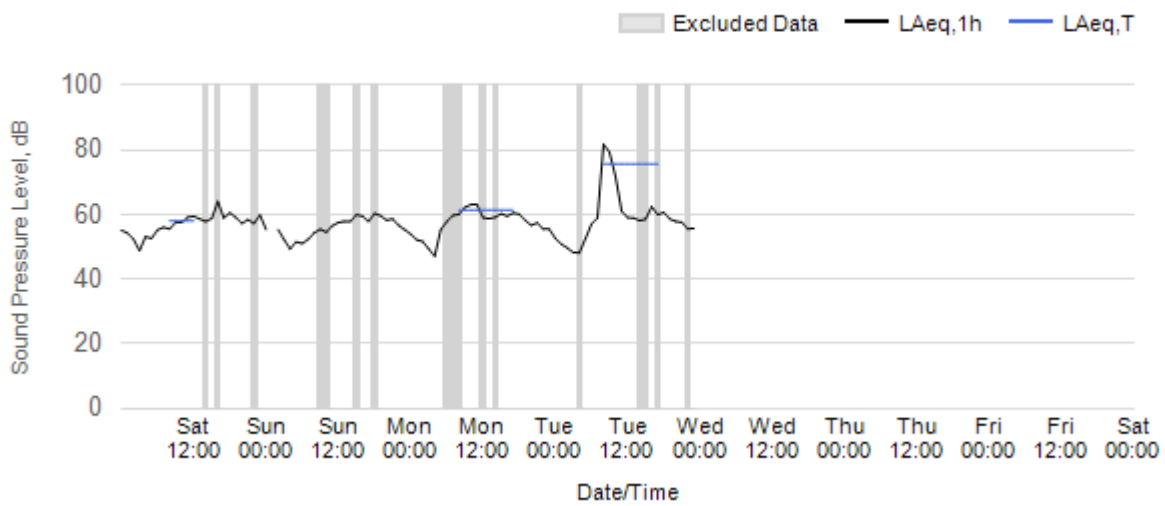
Worksite: Euston Approaches Monitoring Ref: N047 15 March 2026 to 21 March 2026



Worksite: Euston Approaches Monitoring Ref: N047 22 March 2026 to 28 March 2026

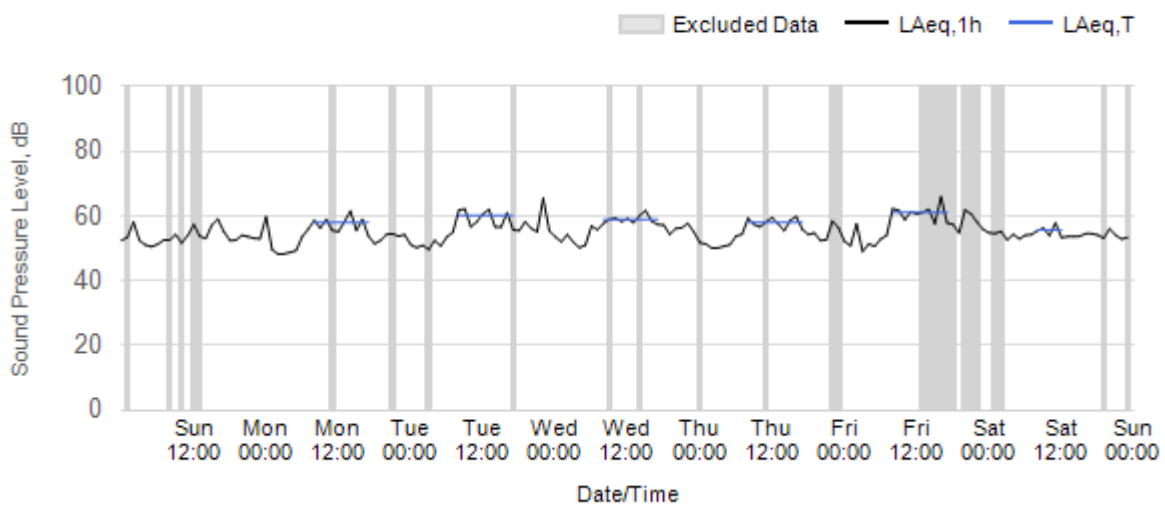


Worksite: Euston Approaches Monitoring Ref: N047 29 March 2026 to 4 April 2026

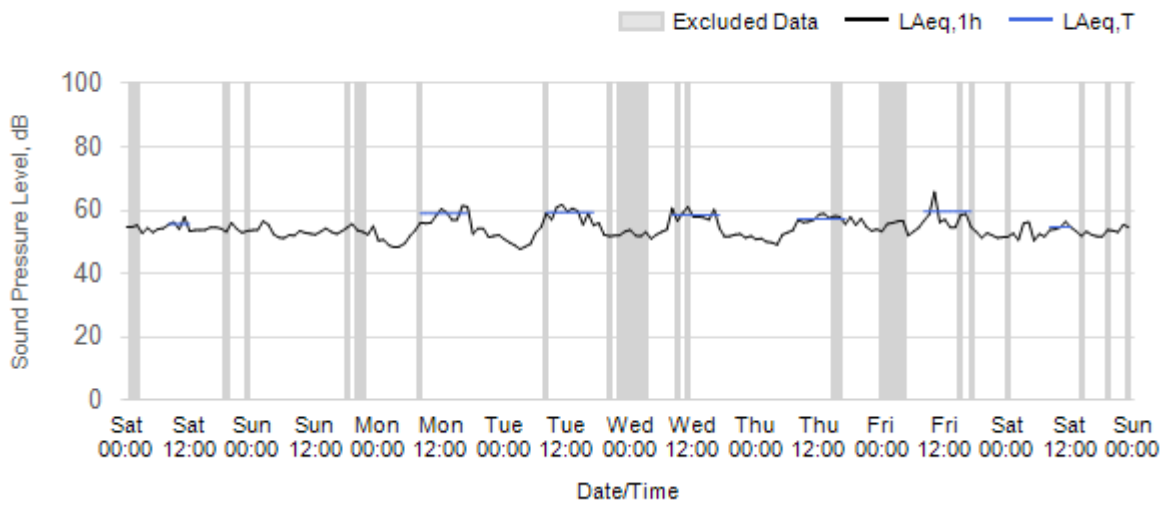


Worksite: Euston Approaches - Monitoring Ref: N019

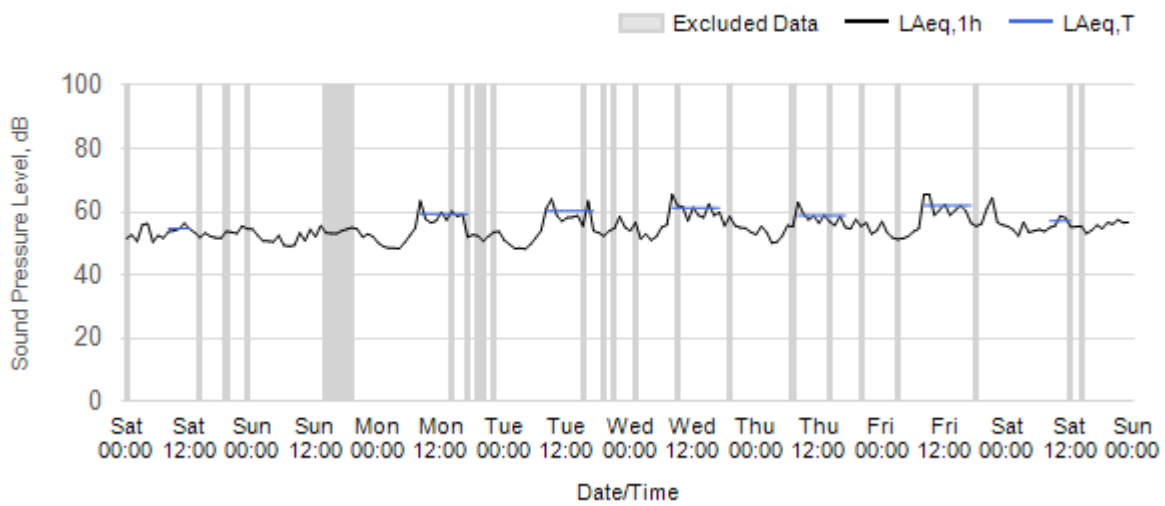
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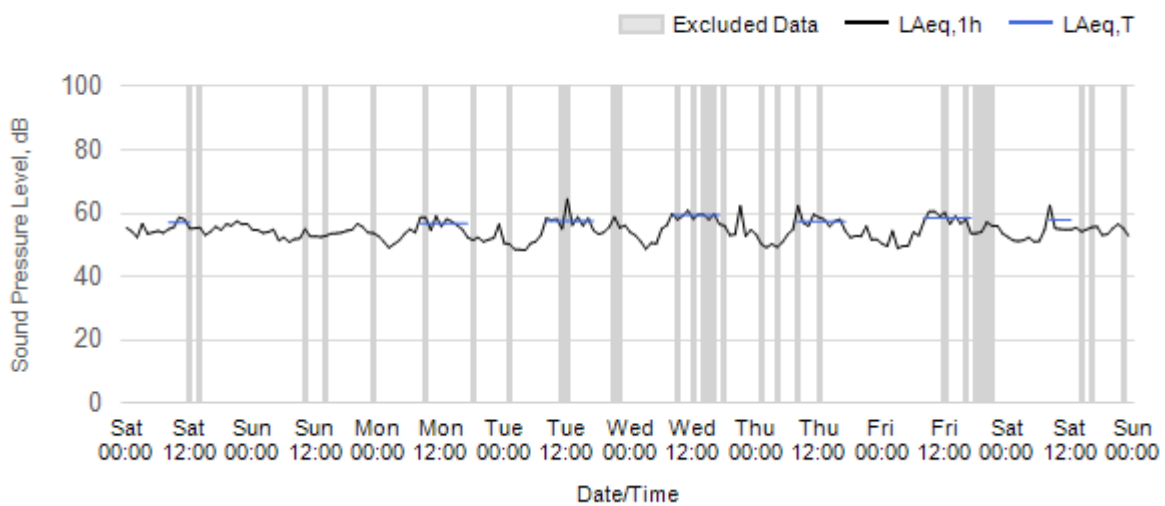
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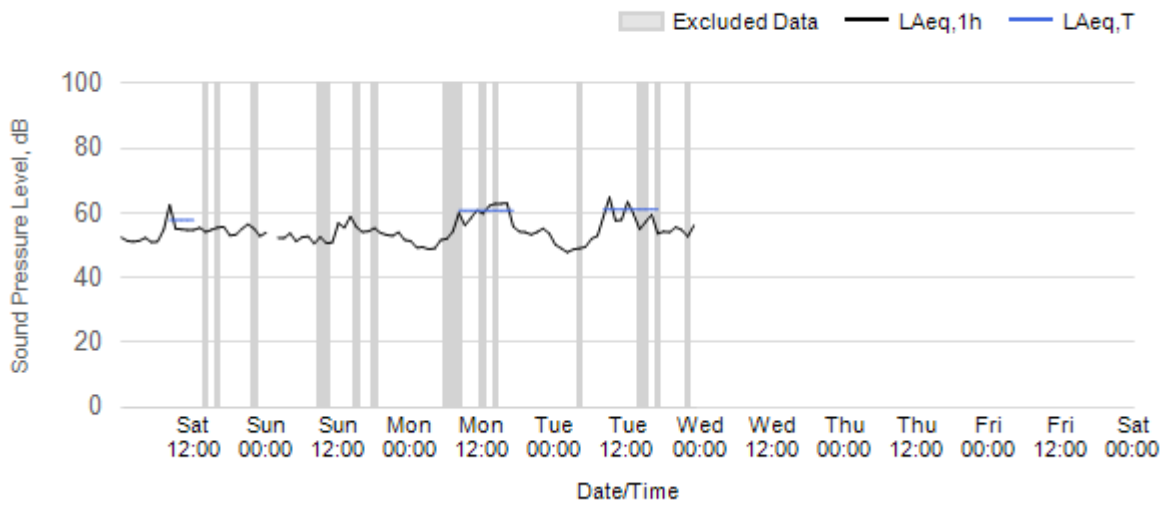
Worksite: Euston Approaches Monitoring Ref: N019 15 March 2026 to 21 March 2026



Worksite: Euston Approaches Monitoring Ref: N019 22 March 2026 to 28 March 2026



Worksite: Euston Approaches Monitoring Ref: N019 29 March 2026 to 4 April 2026

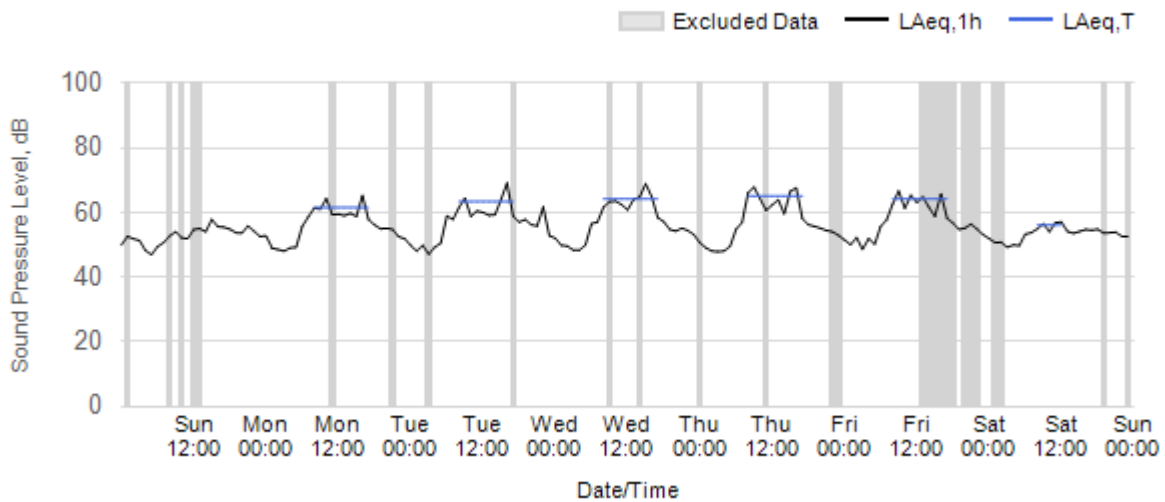


Worksite: Euston Approaches - Monitoring Ref: N001

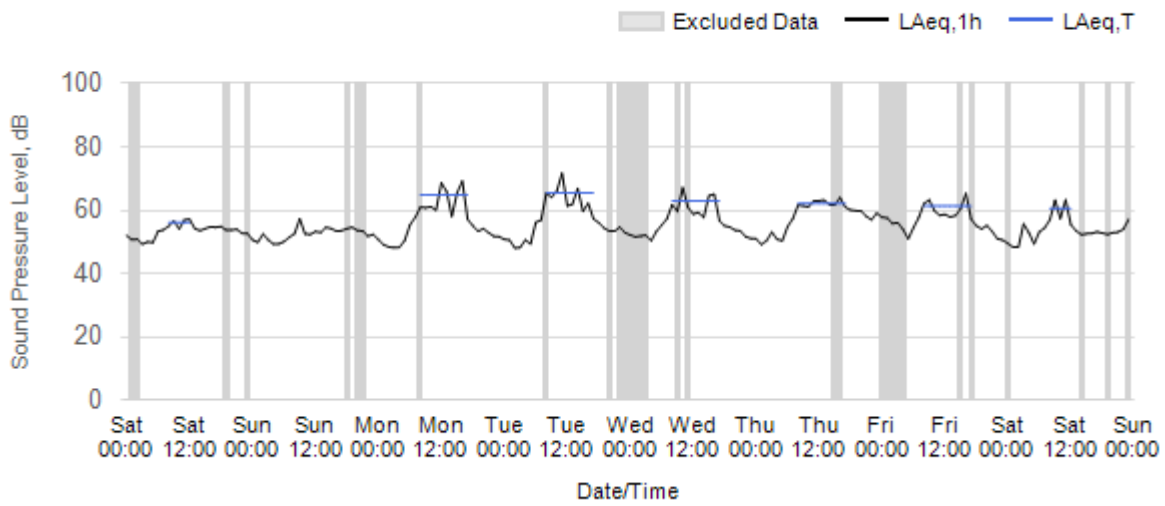
Note: No data measured throughout the month due to loss of power to the lighting column which supplies power to the monitoring station.

Worksite: Euston Approaches - Monitoring Ref: N044

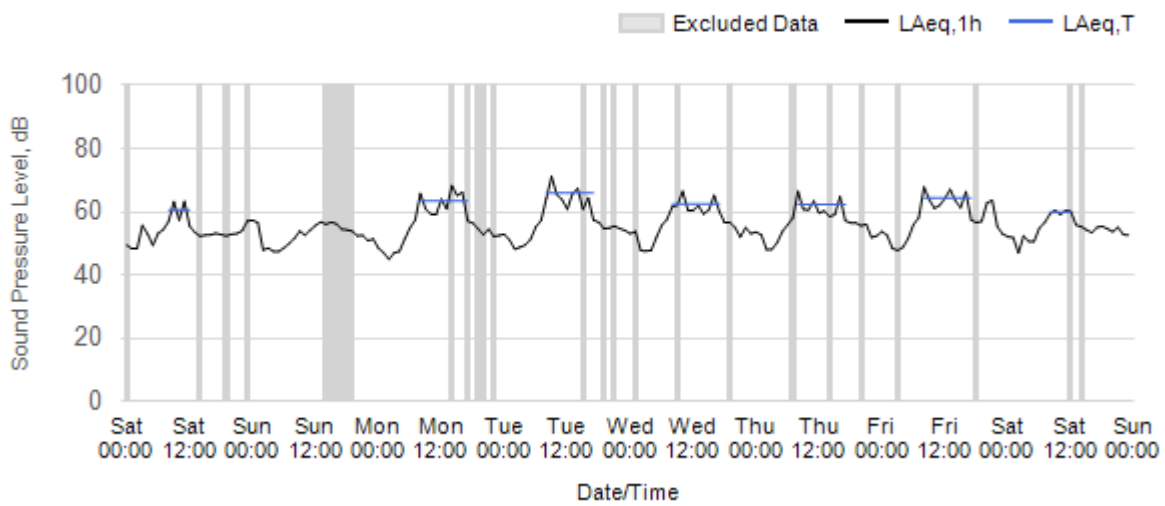
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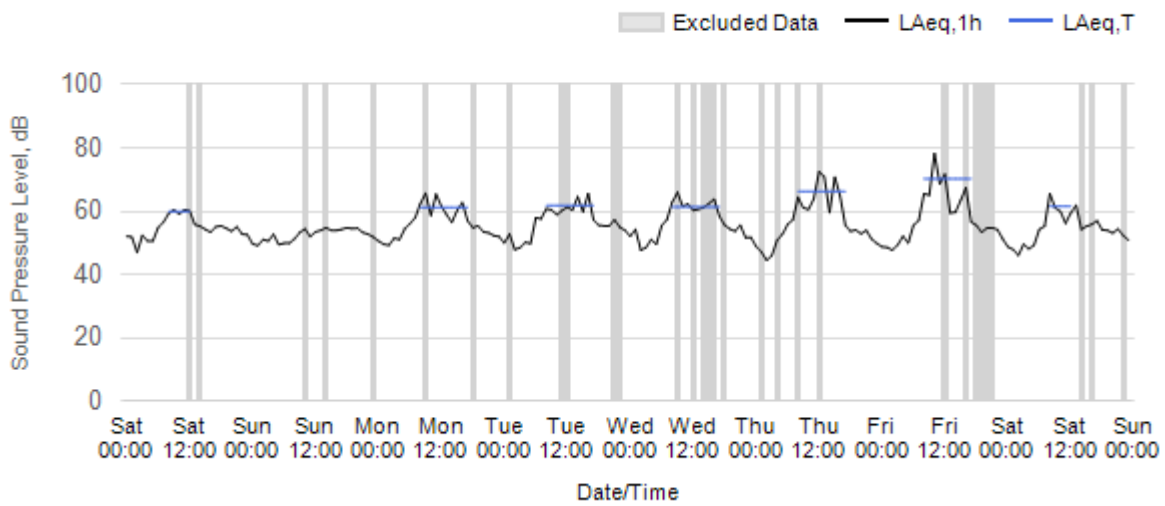
Worksite: Euston Approaches Monitoring Ref: N044 08 March 2026 to 14 March 2026



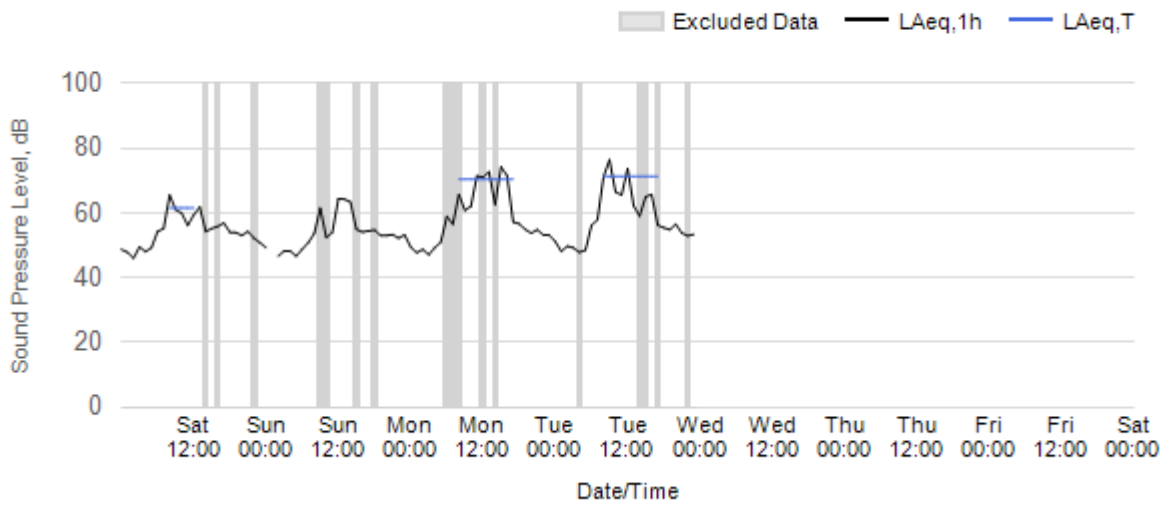
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Worksite: Euston Approaches Monitoring Ref: N044 22 March 2026 to 28 March 2026

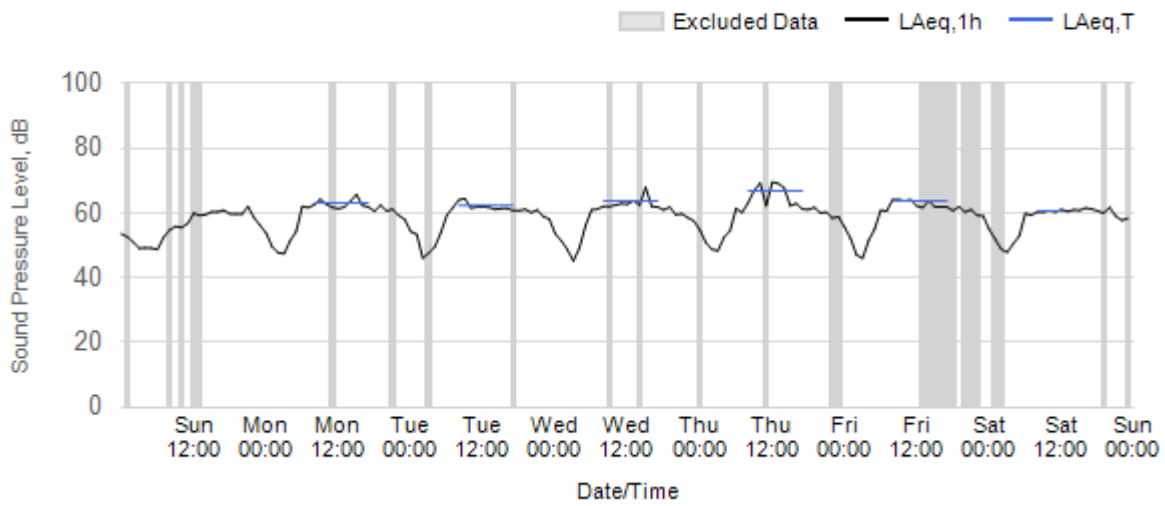


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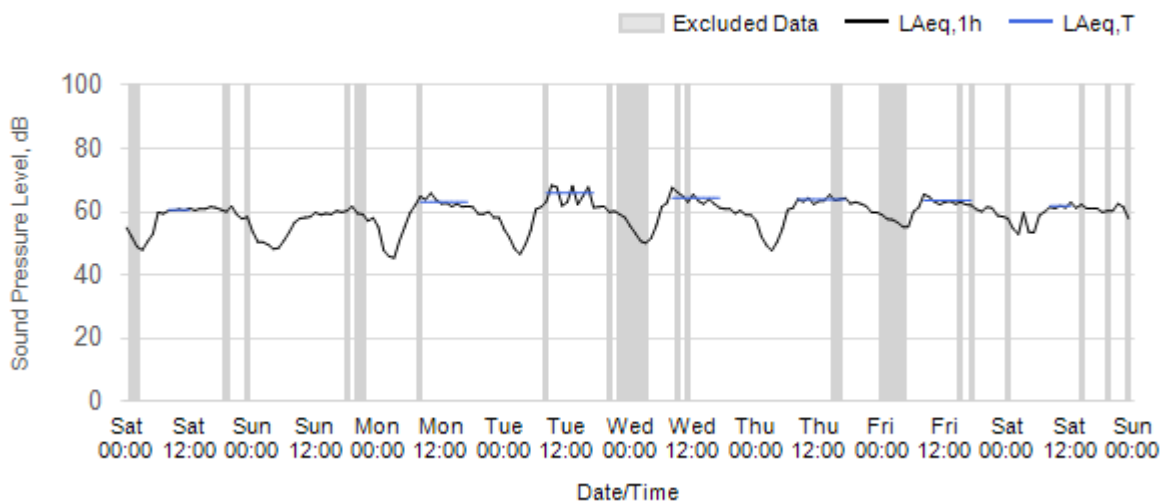


Worksite: Euston Approaches - Monitoring Ref: N046

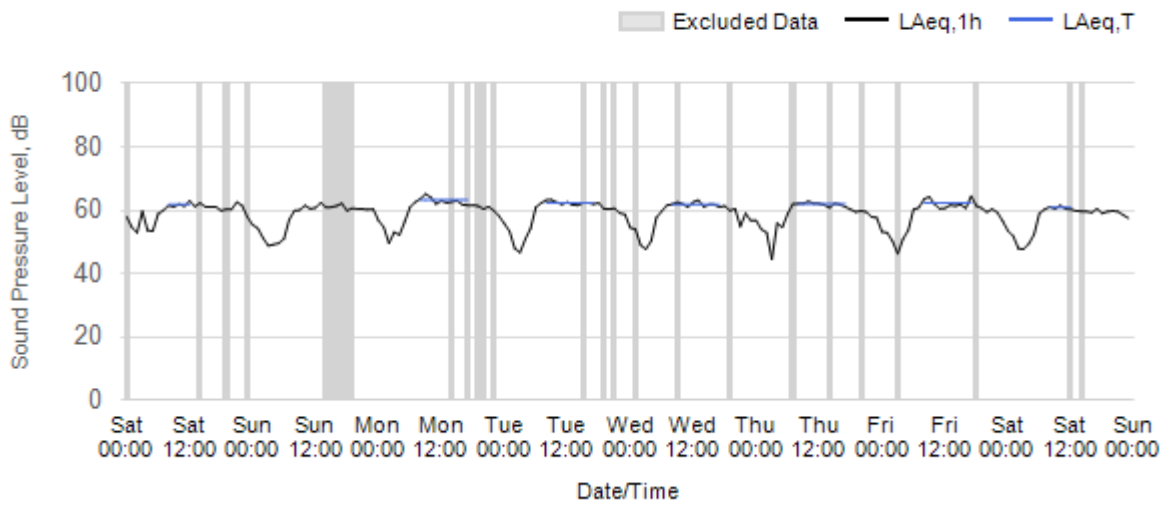
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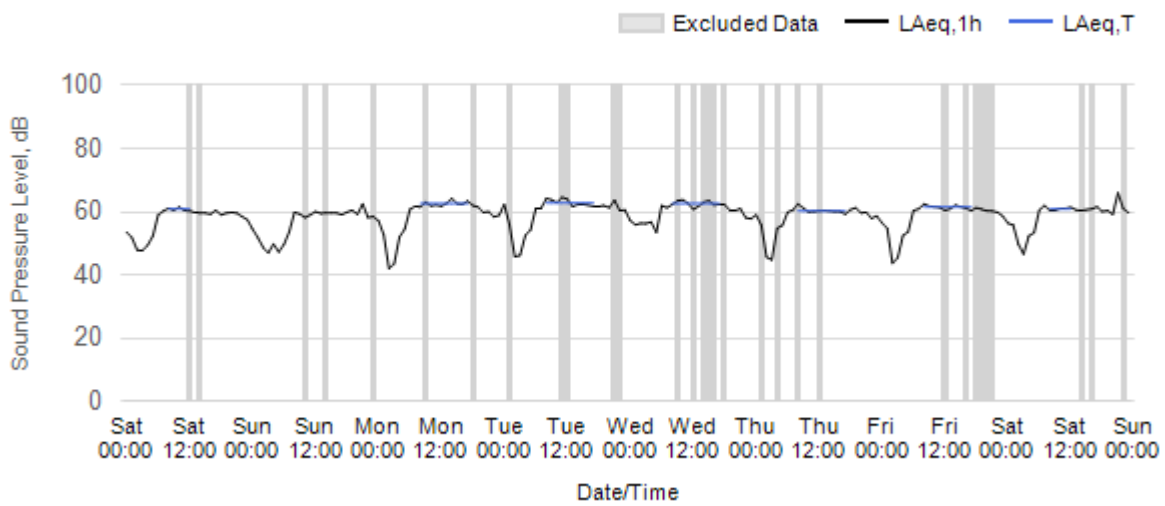
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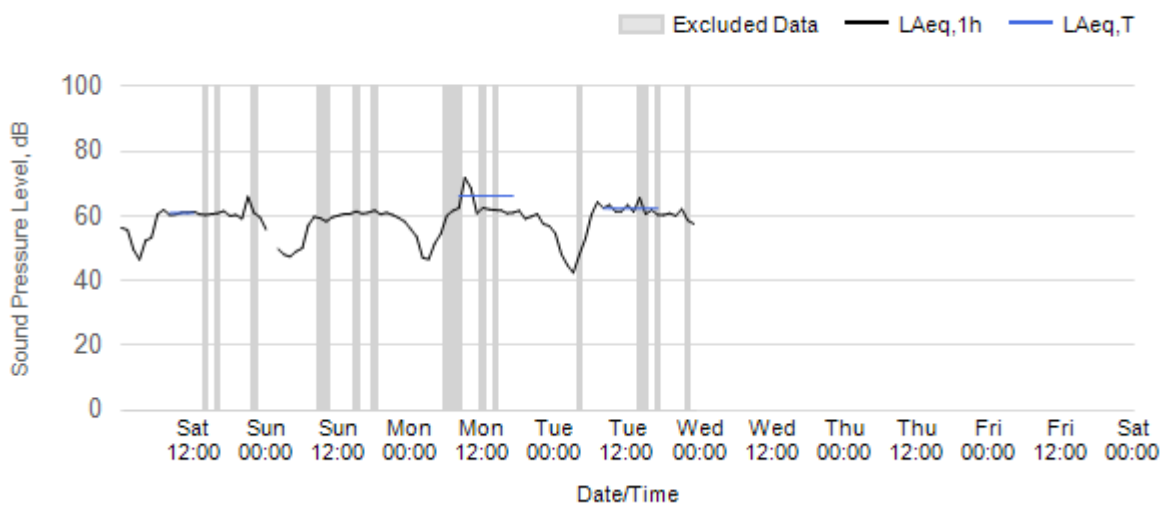
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Worksite: Euston Approaches Monitoring Ref: N046 22 March 2026 to 28 March 2026

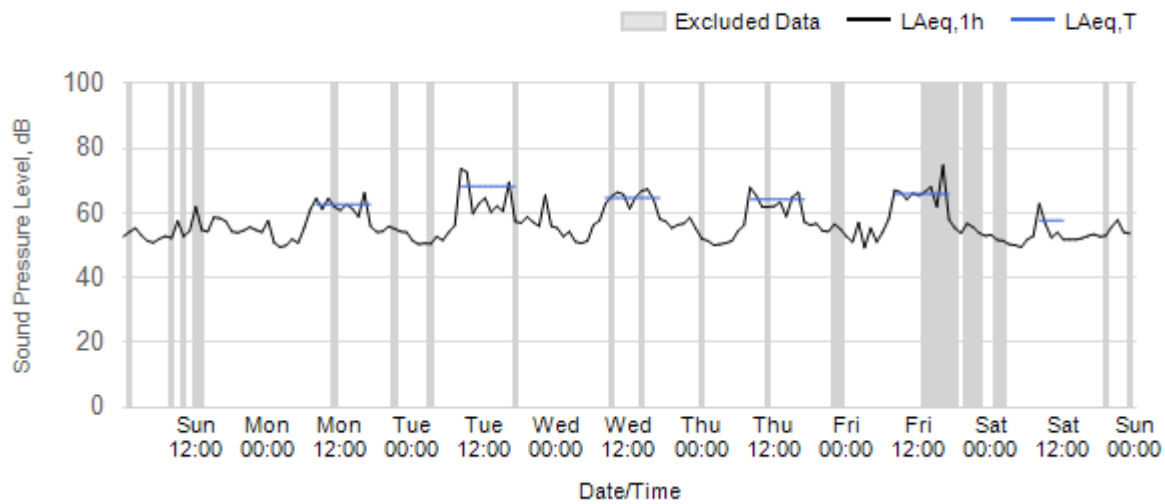


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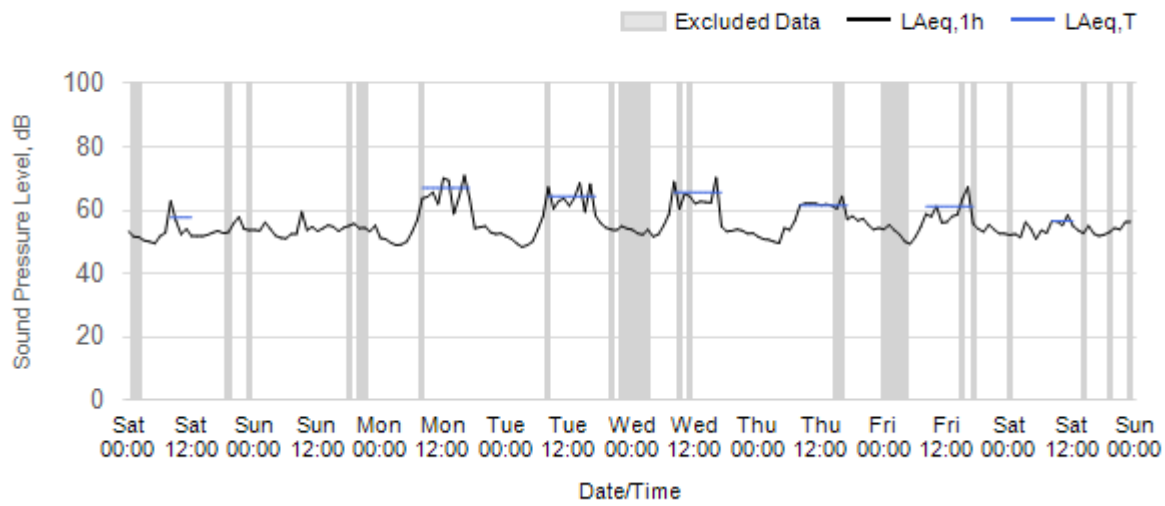


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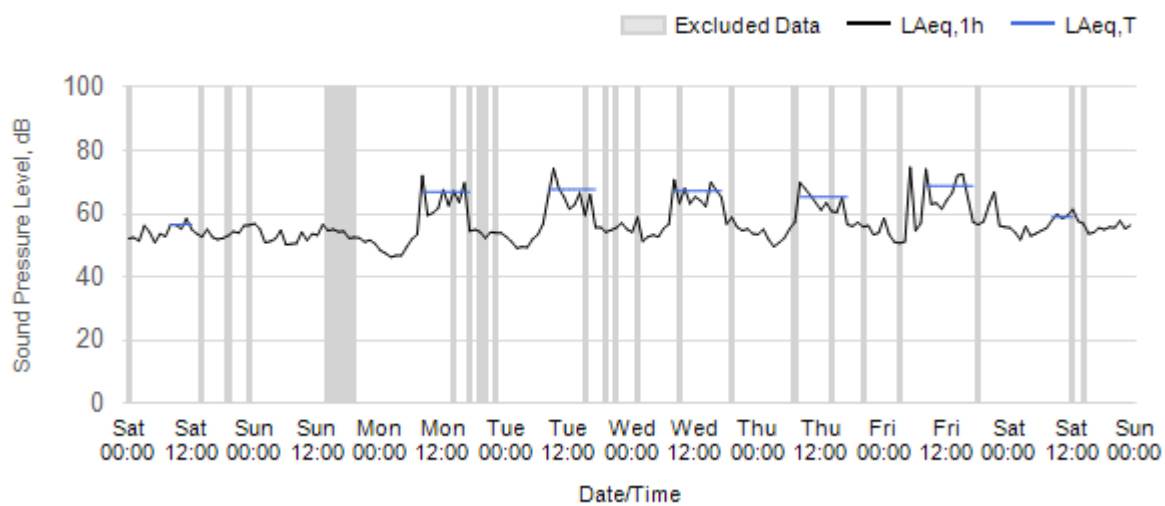
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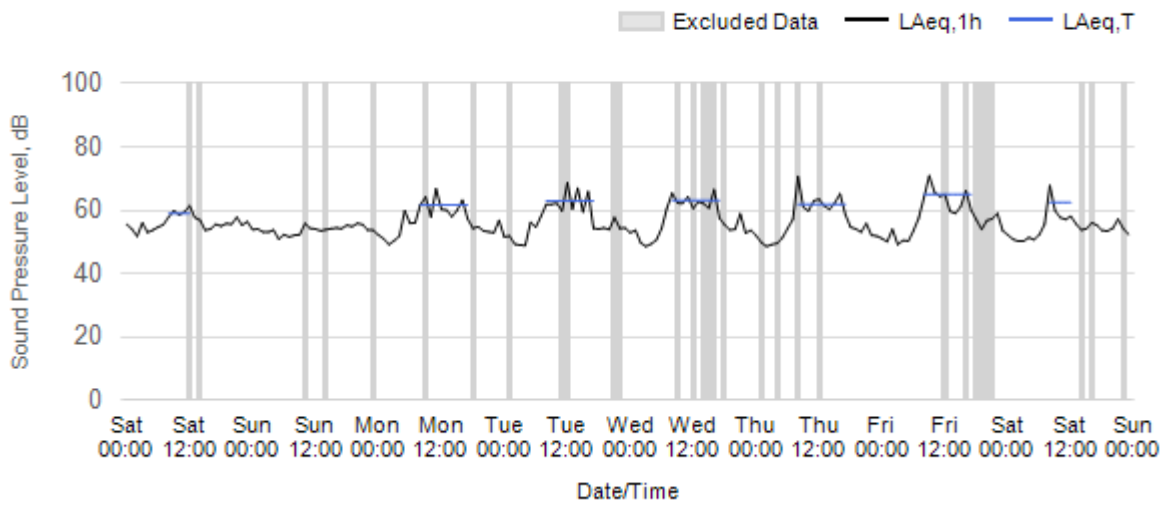
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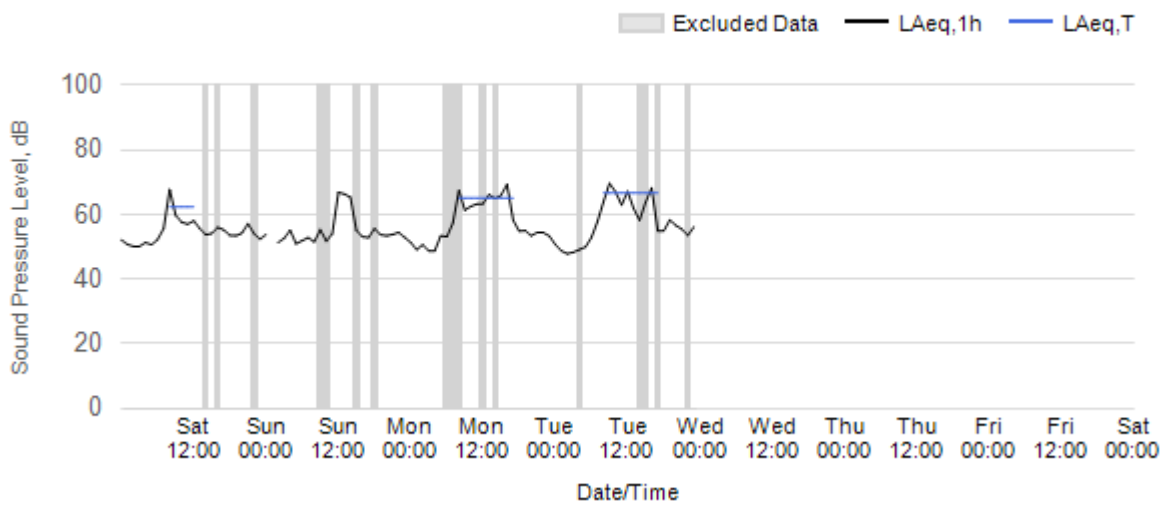
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Worksite: Euston Approaches Monitoring Ref: N045 22 March 2026 to 28 March 2026

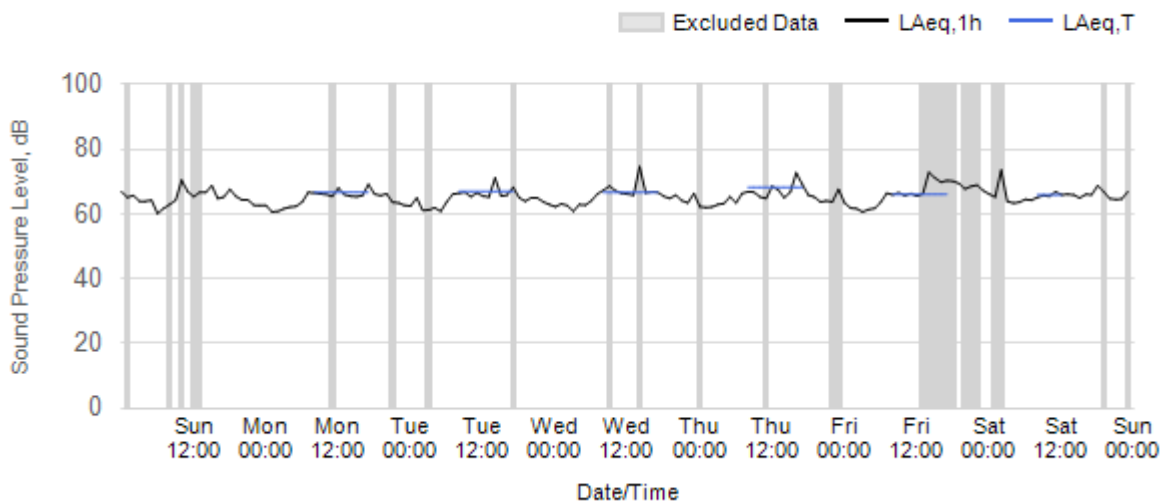


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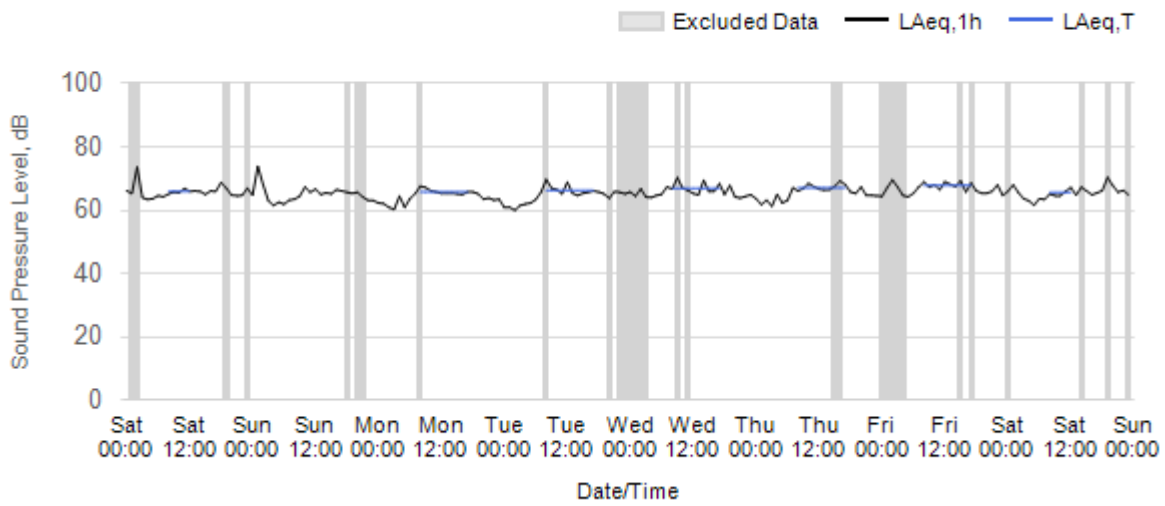


Worksite: ARVS - Monitoring Ref: N052

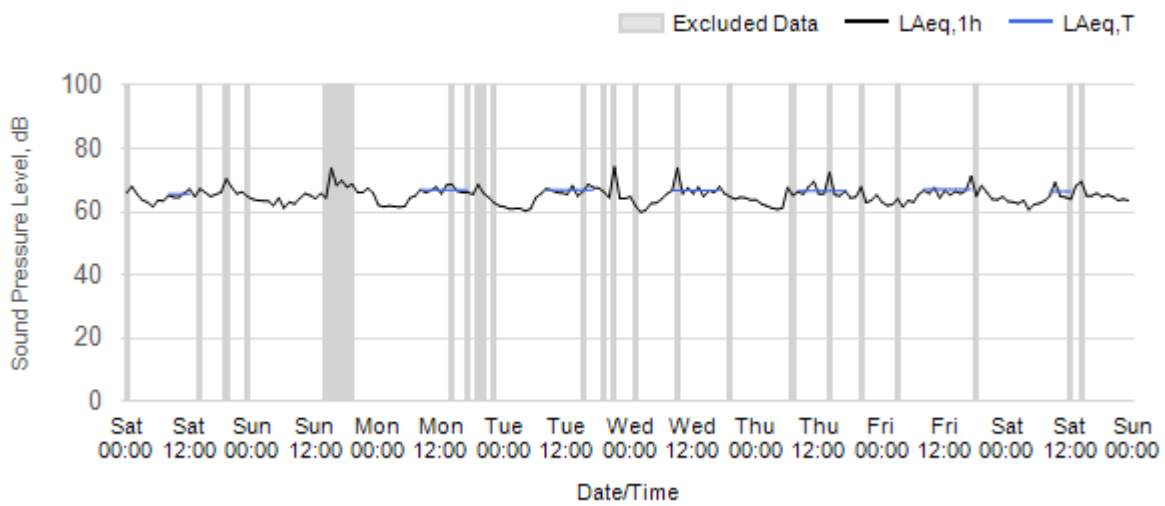
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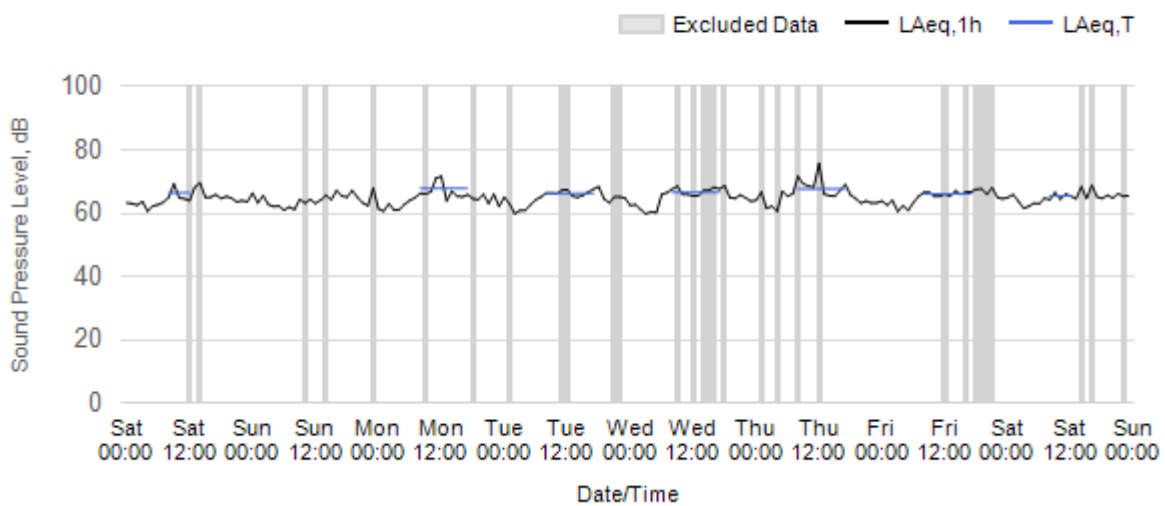
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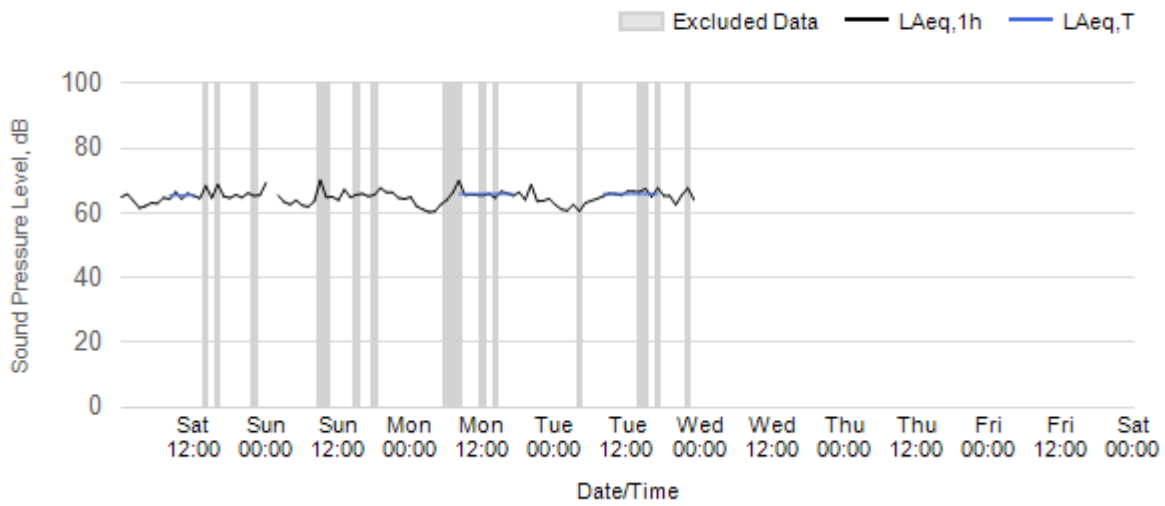
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Worksite: ARVS Monitoring Ref: N052 22 March 2026 to 28 March 2026

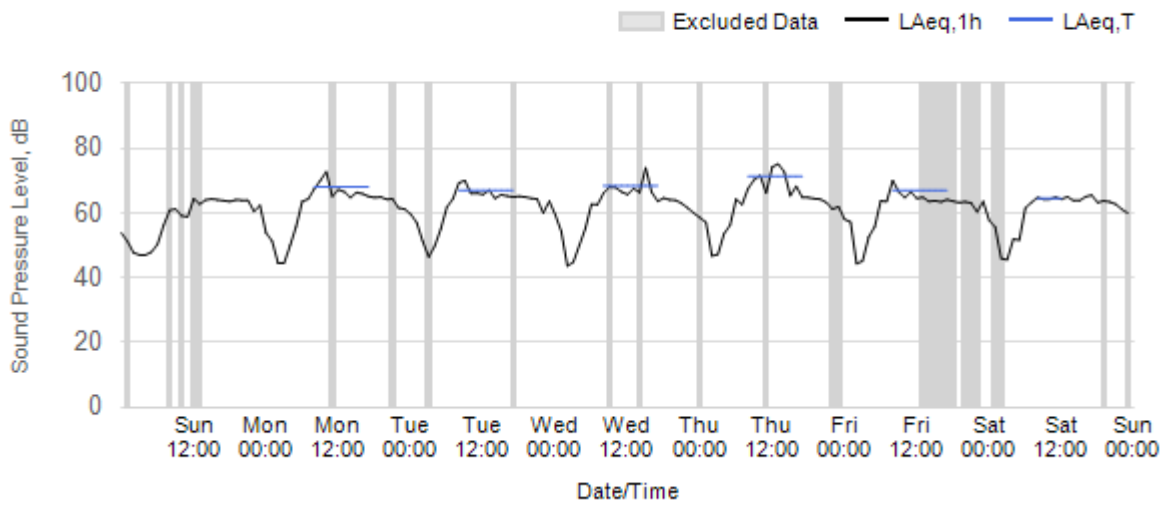


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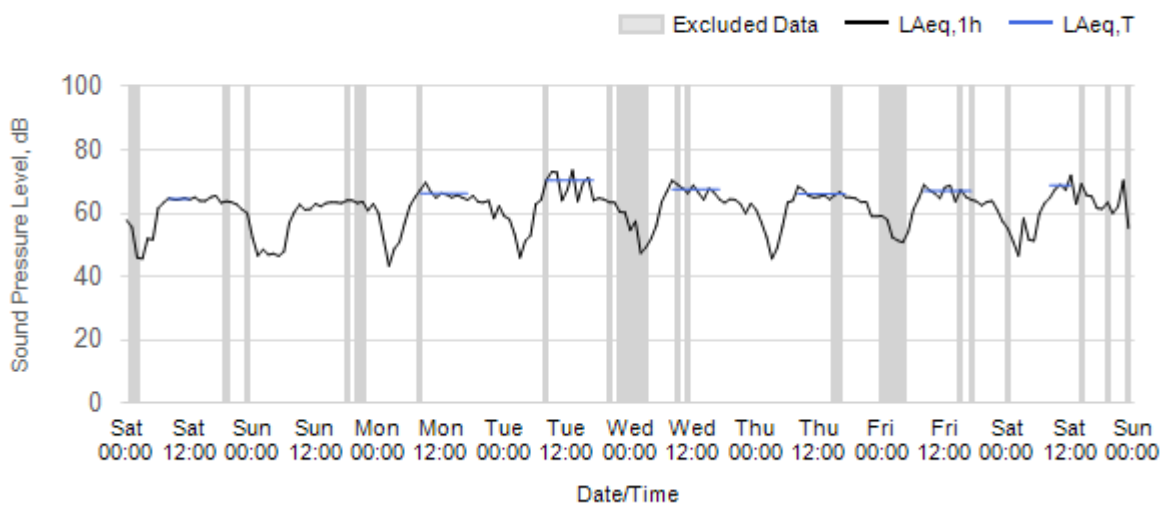


Worksite: Euston Approaches - Monitoring Ref: PVS-N001

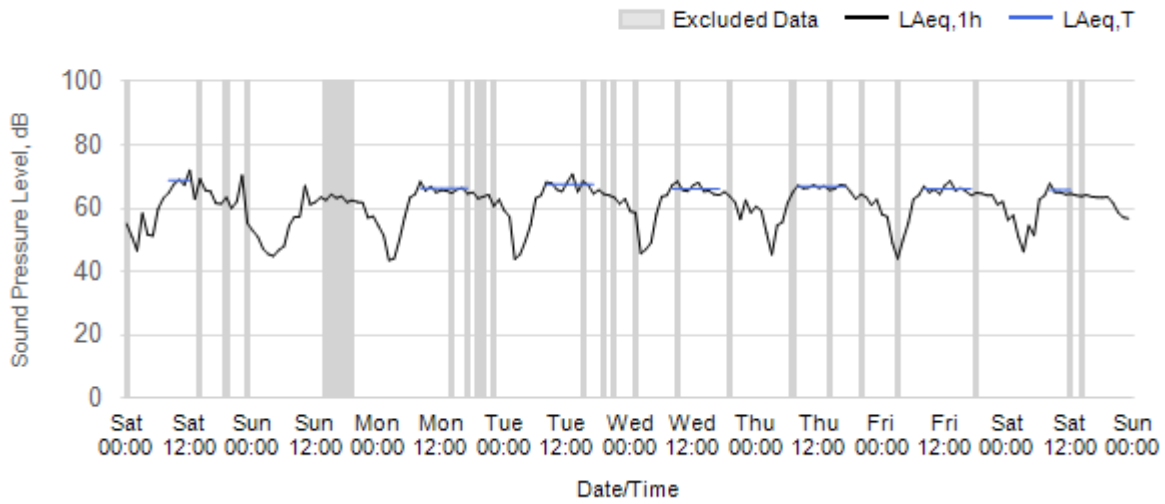
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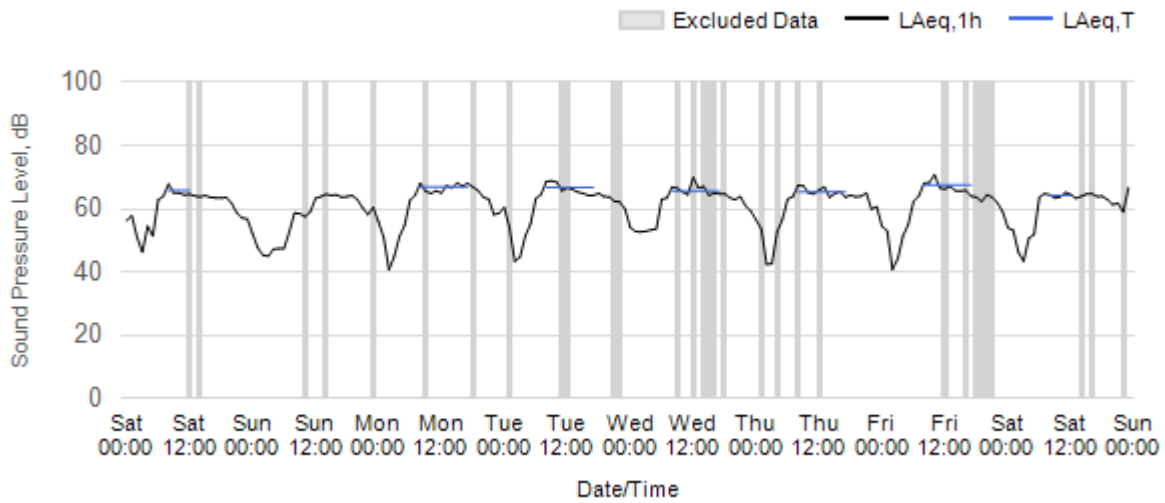
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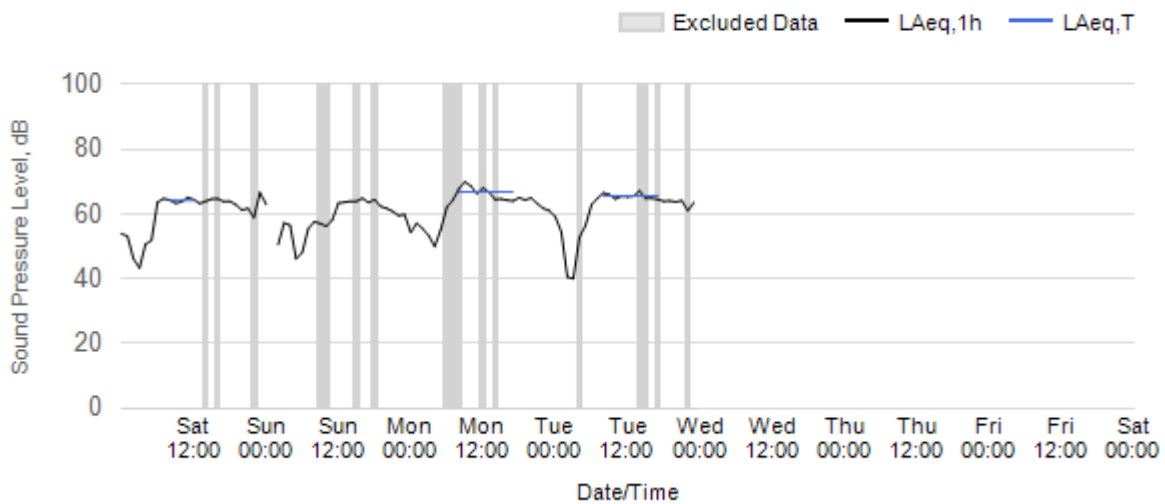
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Worksite: Euston Approaches Monitoring Ref: PVS-N001 22 March 2026 to 28 March 2026

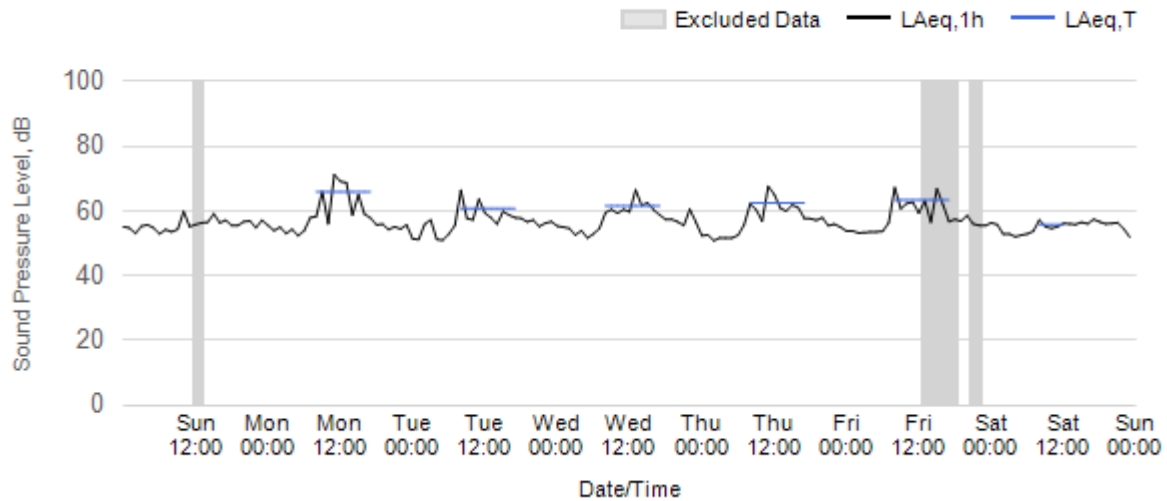


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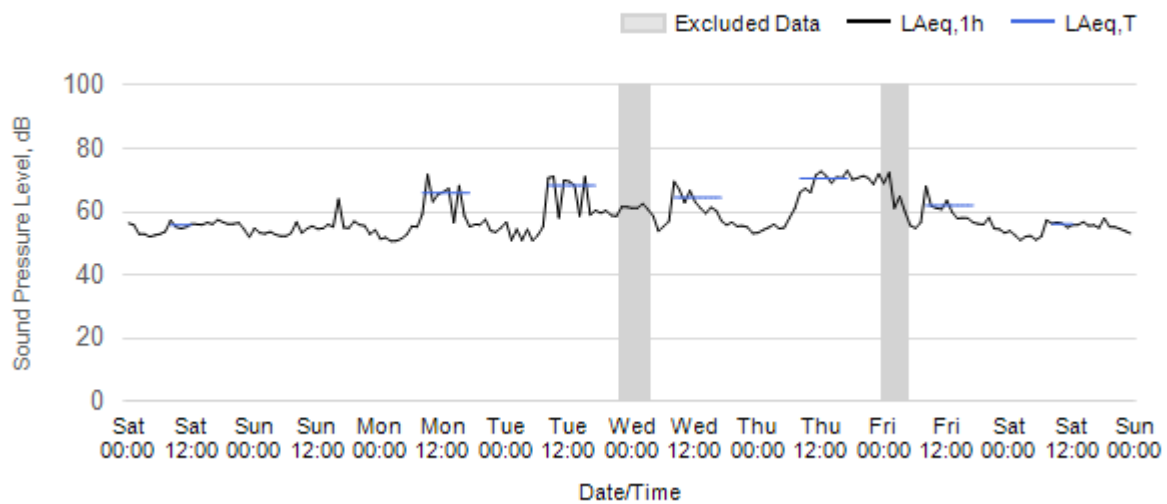


Worksite: TSS - Monitoring Ref: N012

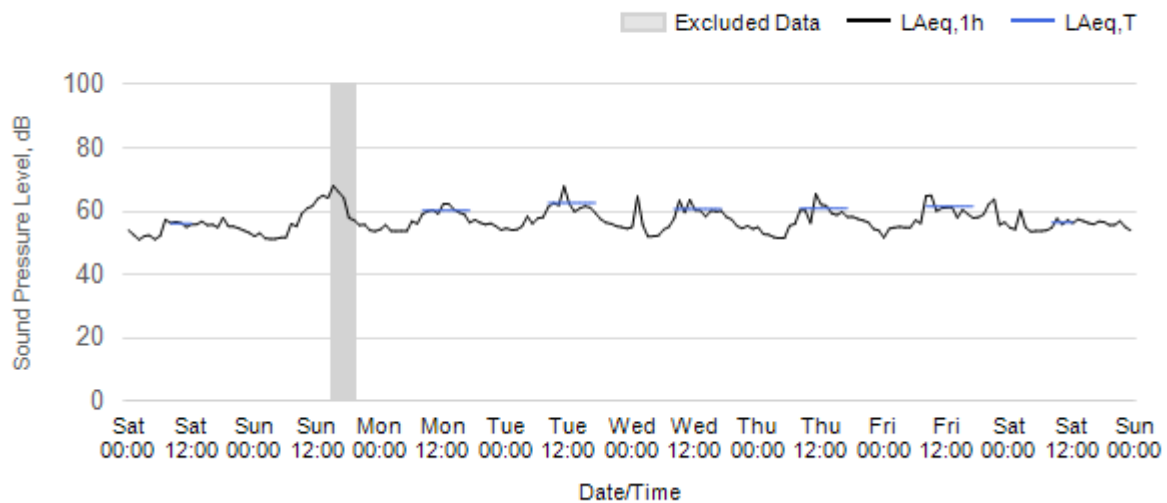
Worksite: TSS Monitoring Ref: N012 01 March 2026 to 07 March 2026



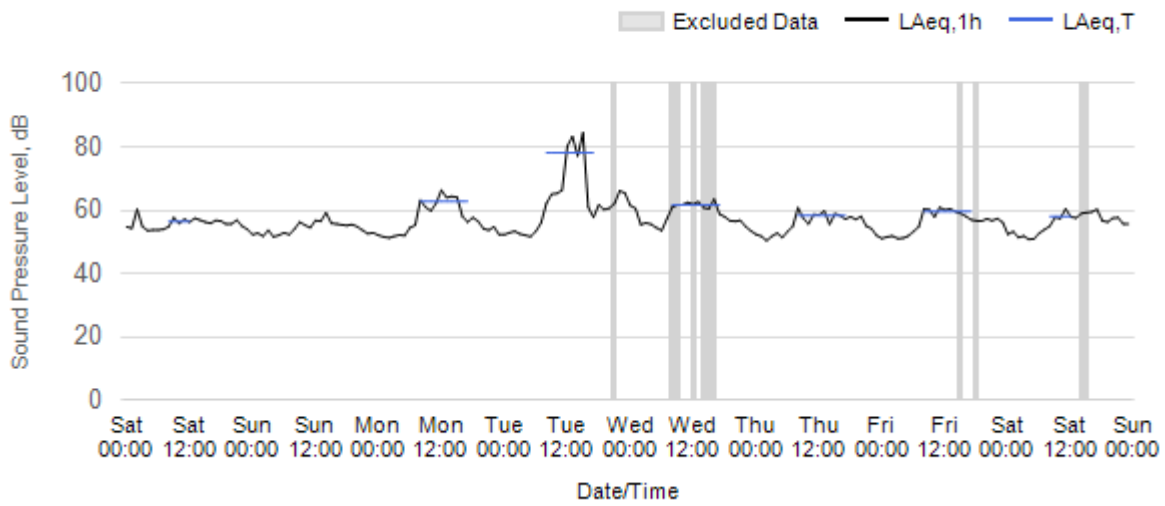
Worksite: TSS Monitoring Ref: N012 08 March 2026 to 14 March 2026



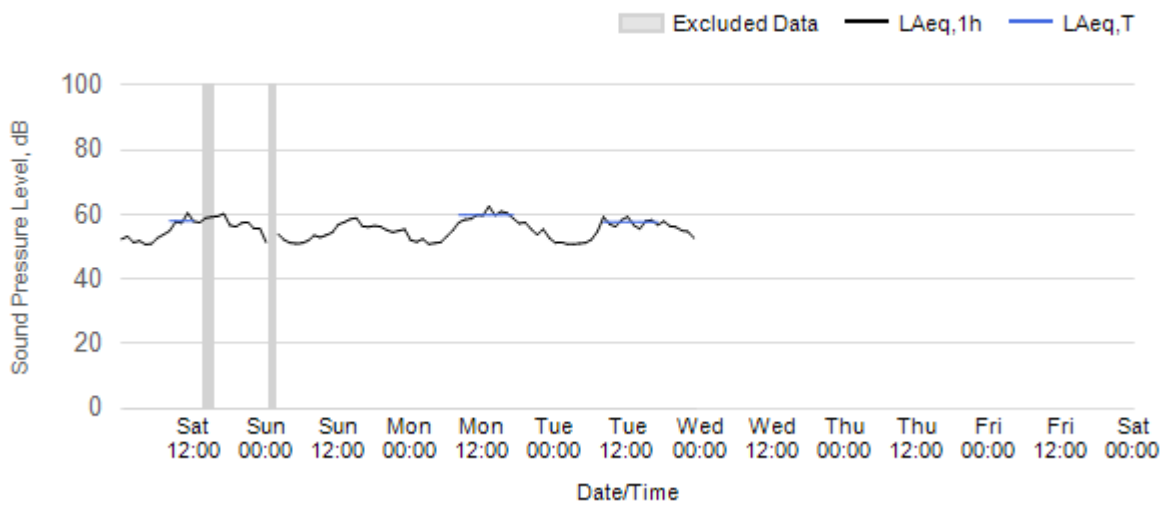
Worksite: TSS Monitoring Ref: N012 15 March 2026 to 21 March 2026



Worksite: TSS Monitoring Ref: N012 22 March 2026 to 28 March 2026

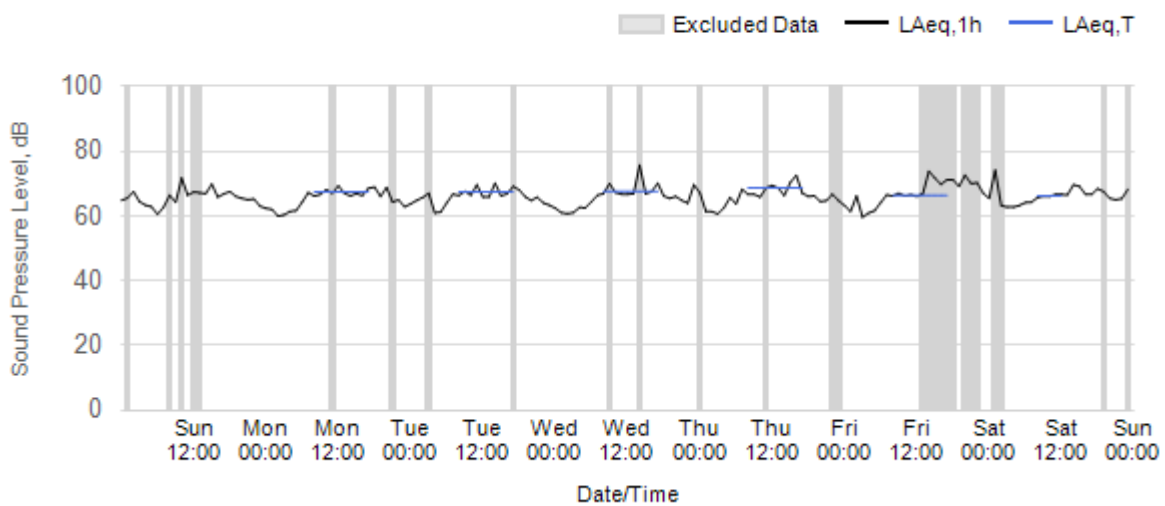


Worksite: TSS Monitoring Ref: N012 29 March 2026 to 4 April 2026

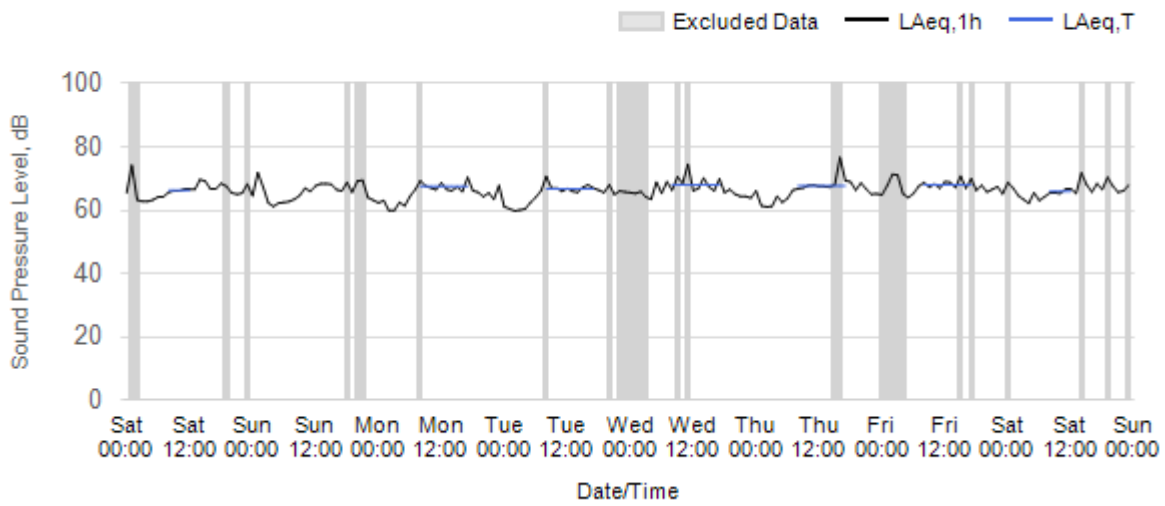


Worksite: ARVS - Monitoring Ref: N051

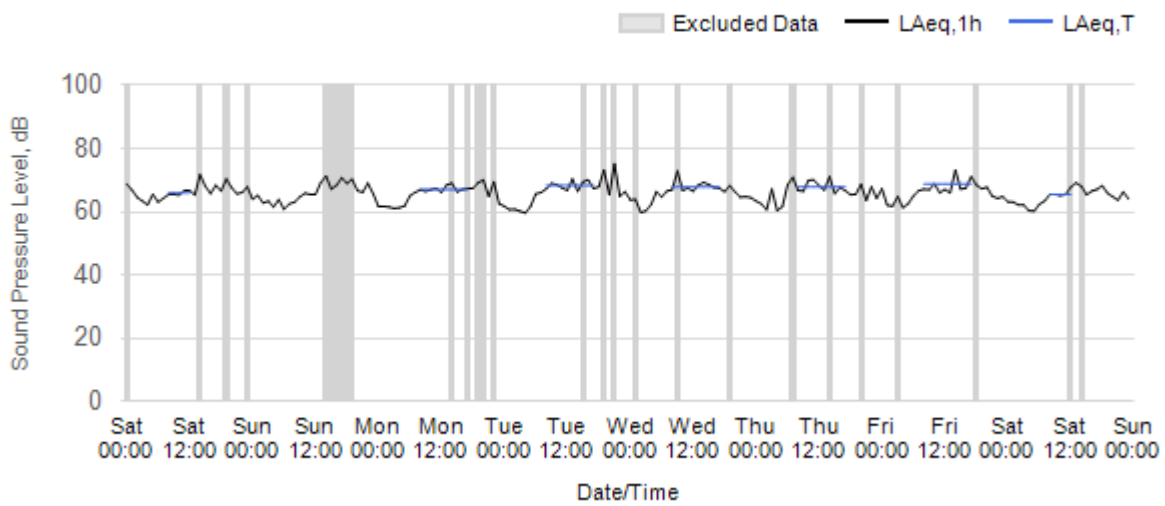
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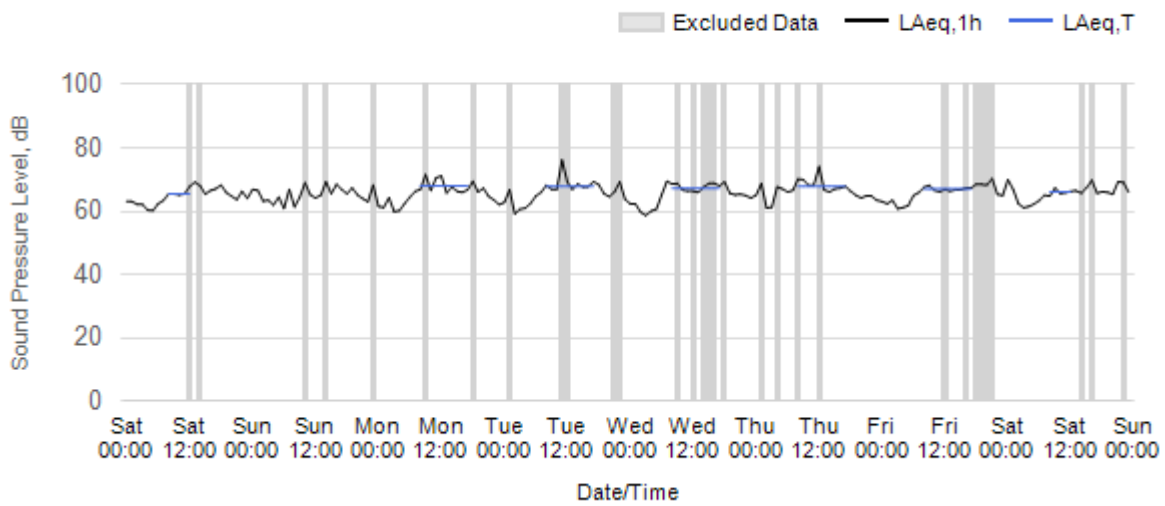
Worksite: ARVS Monitoring Ref: N051 08 March 2026 to 14 March 2026



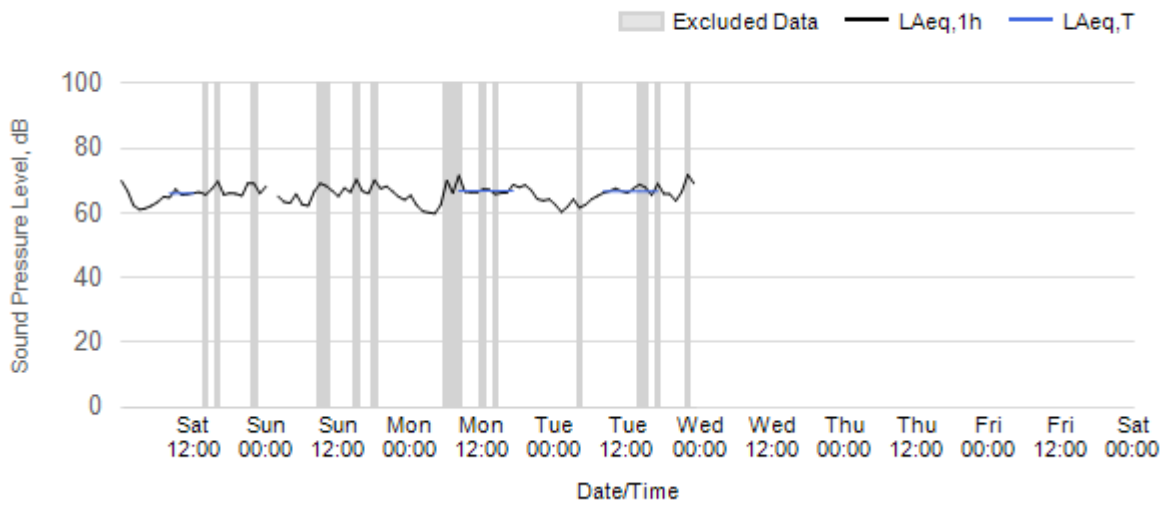
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Worksite: ARVS Monitoring Ref: N051 22 March 2026 to 28 March 2026

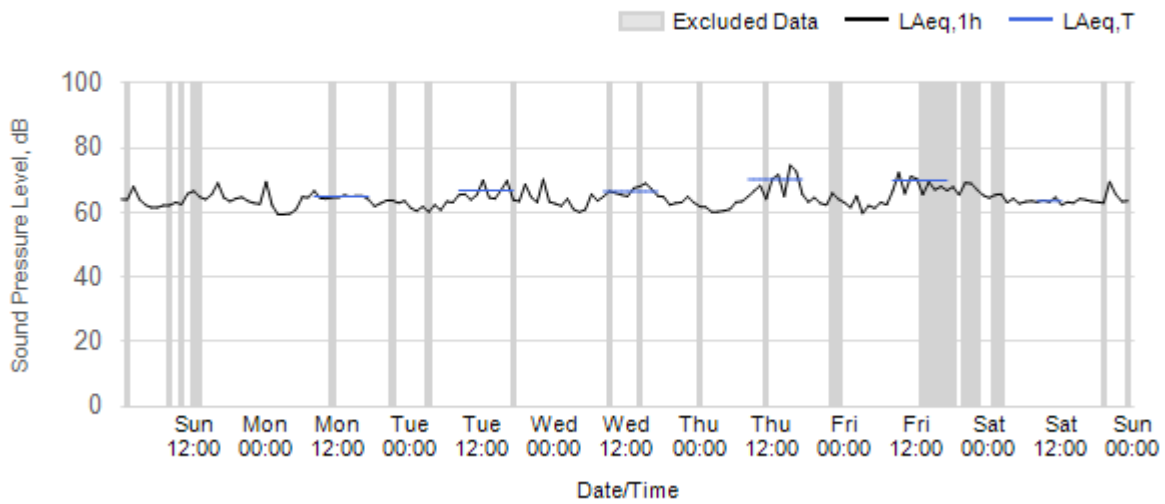


Worksite: ARVS Monitoring Ref: N051 29 March 2026 to 4 April 2026

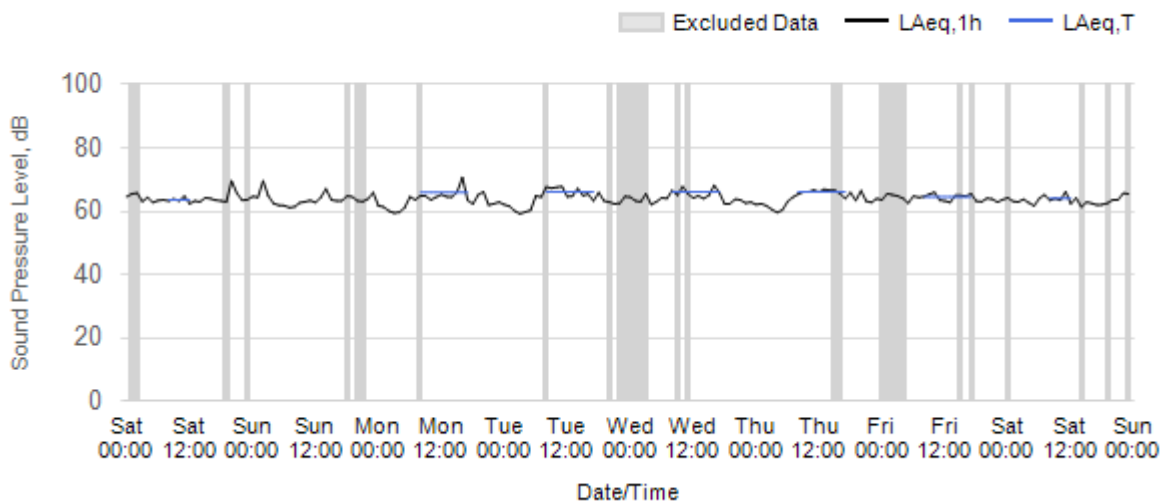


Worksite: Euston Approaches - Monitoring Ref: N023B

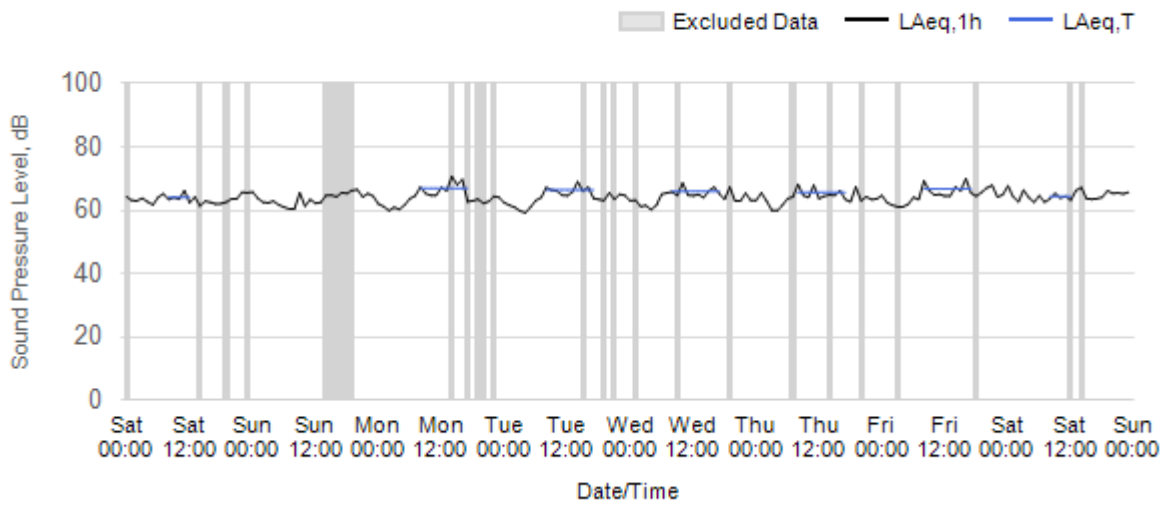
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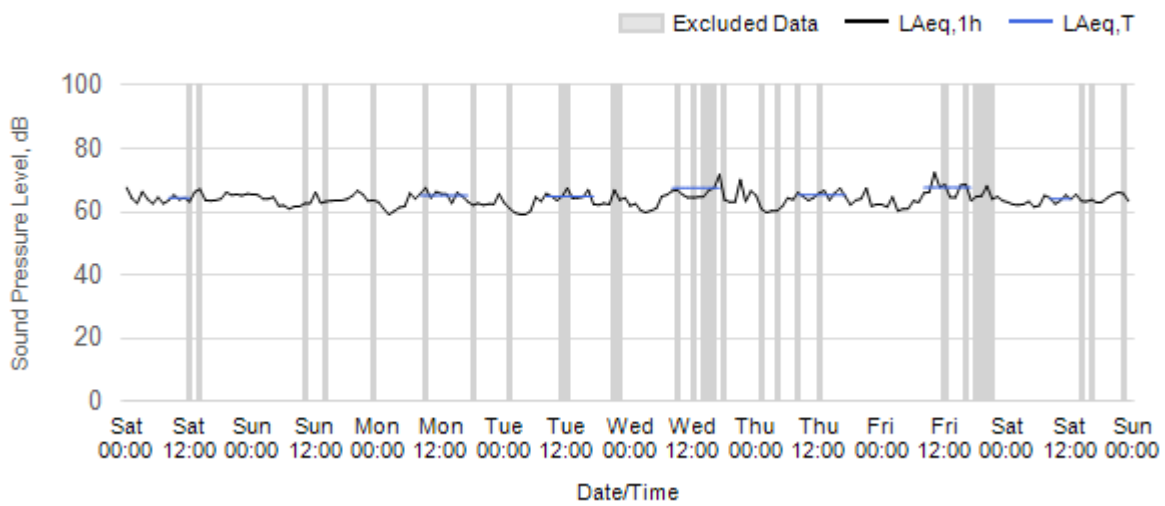
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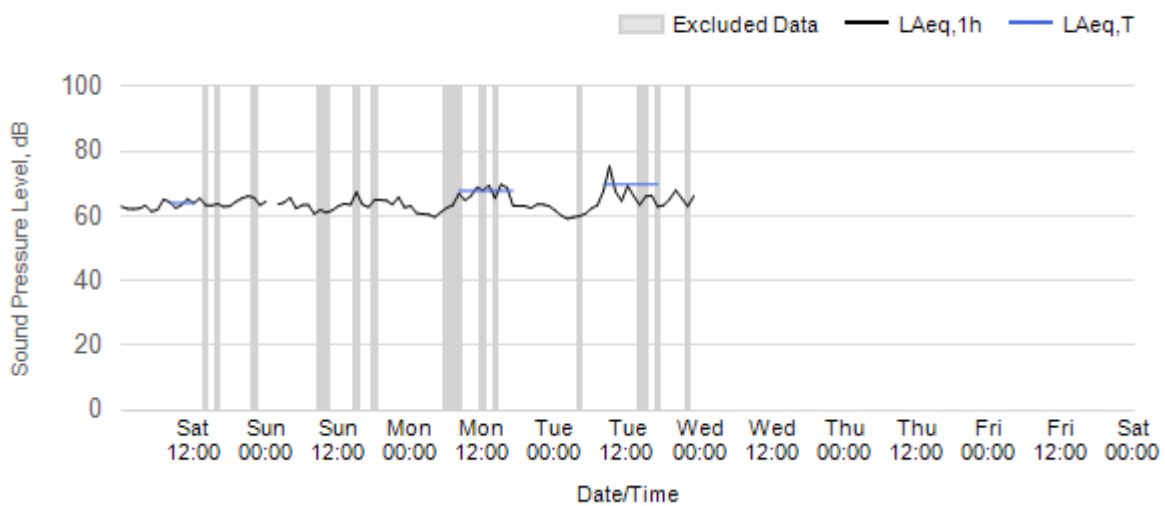
Worksite: Euston Approaches Monitoring Ref: N023B 15 March 2026 to 21 March 2026



Worksite: Euston Approaches Monitoring Ref: N023B 22 March 2026 to 28 March 2026

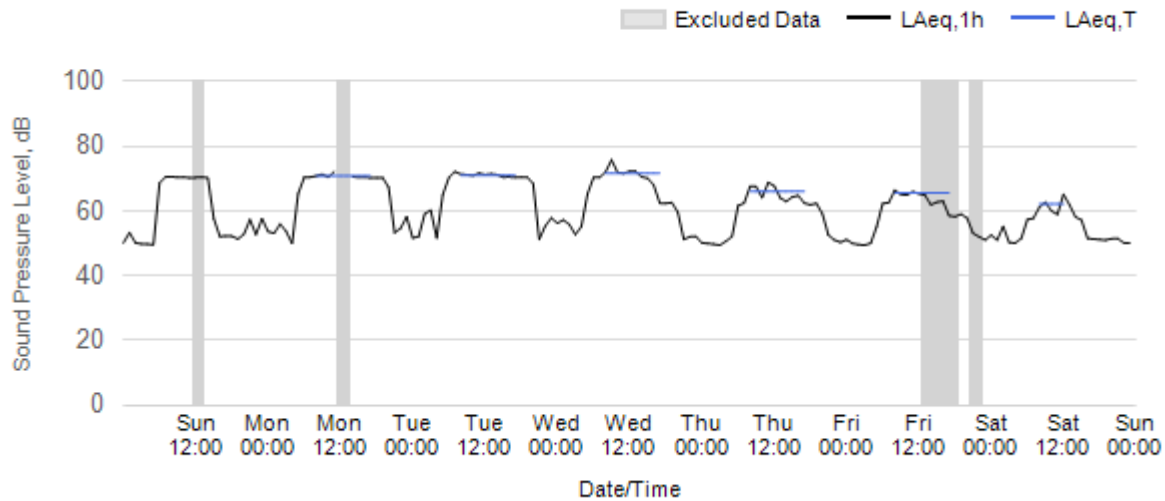


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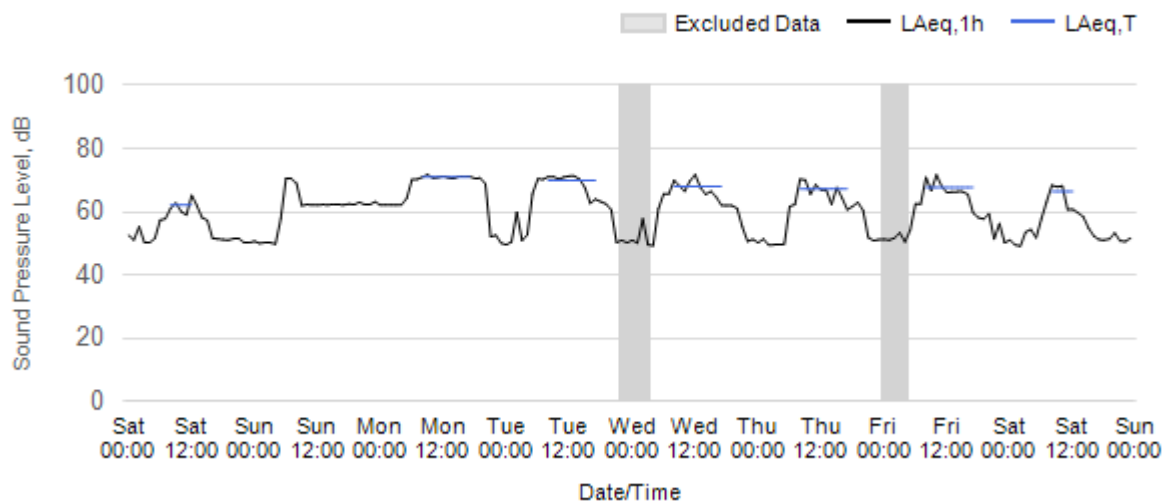


Worksite: TSS - Monitoring Ref: N010

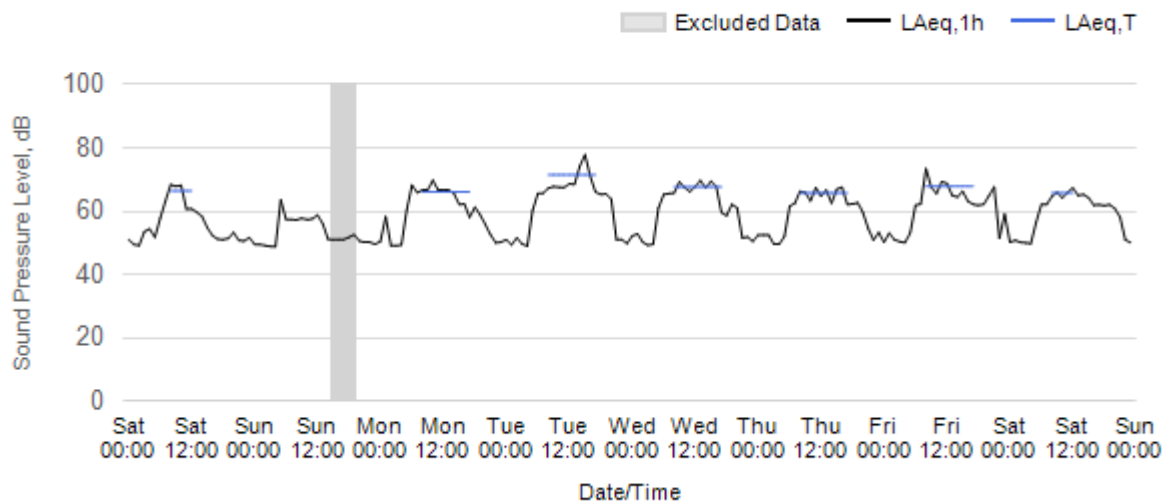
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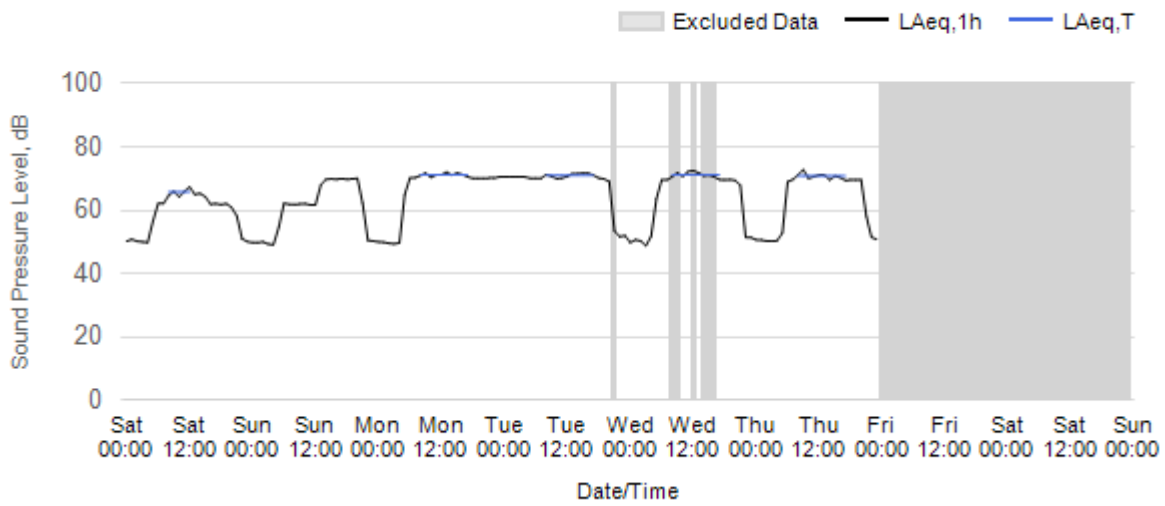
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Worksite: TSS Monitoring Ref: N010 15 March 2026 to 21 March 2026

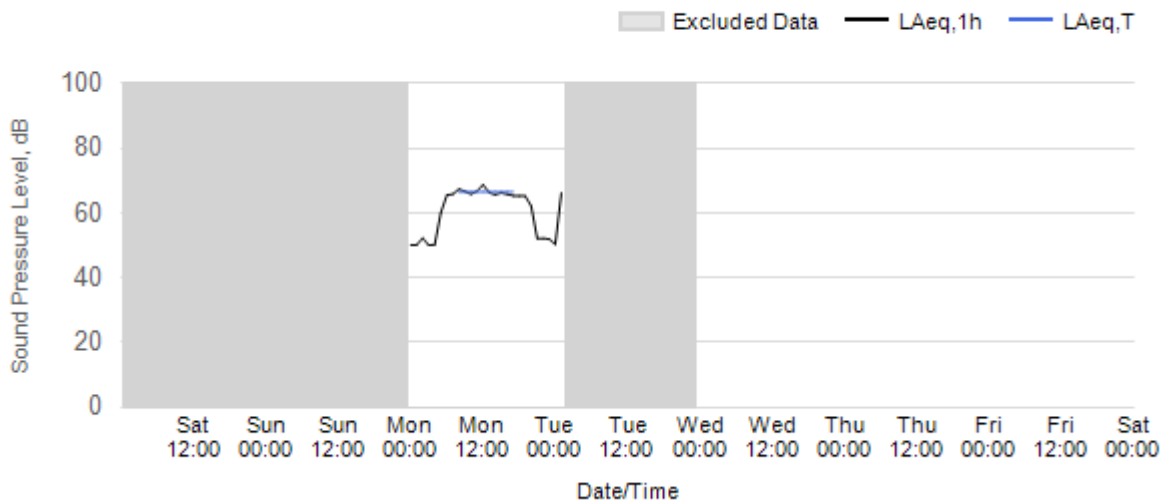


Worksite: TSS Monitoring Ref: N010 22 March 2026 to 28 March 2026



Note: Missing data was due to a communication error with the monitor

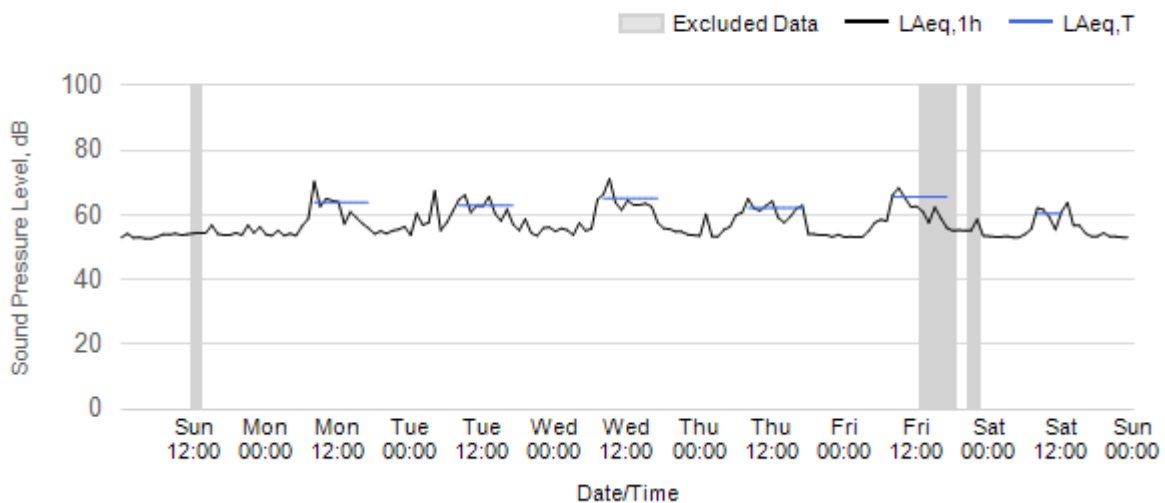
Worksite: TSS Monitoring Ref: N010 29 March 2026 to 4 April 2026



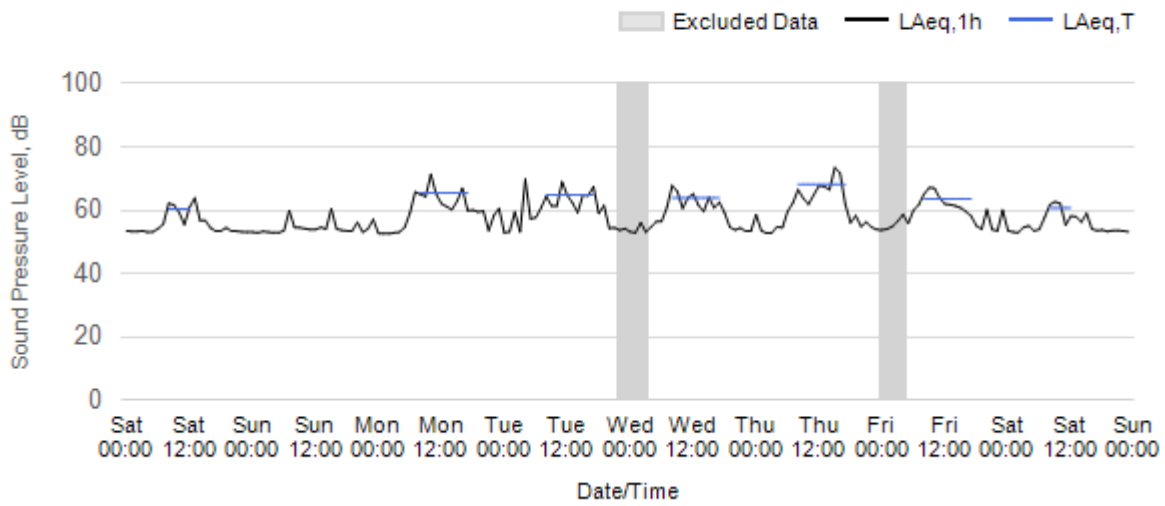
Note: Missing data was due to a communication error with the monitor

Worksite: TSS - Monitoring Ref: N008

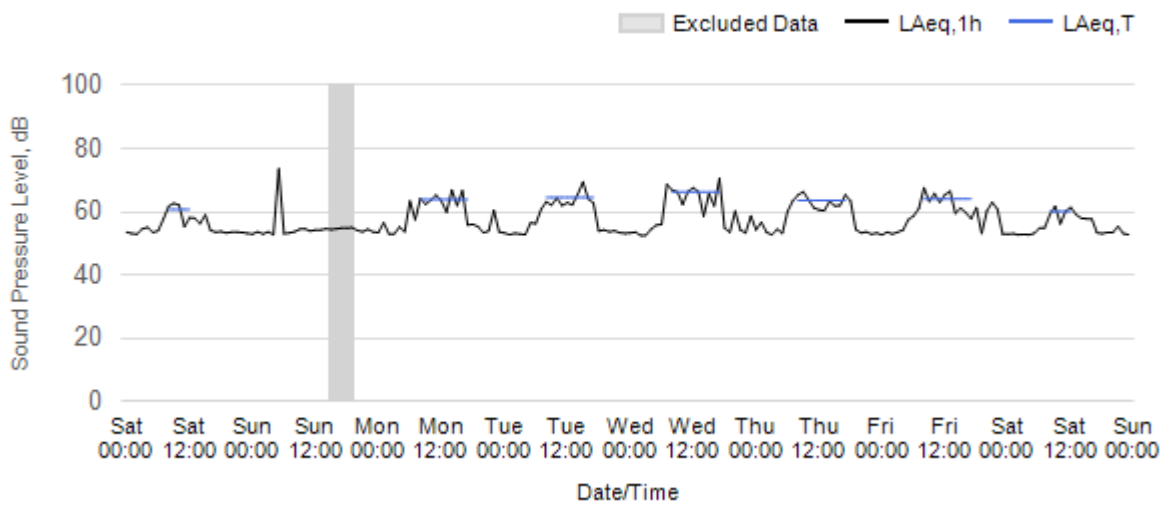
Worksite: TSS Monitoring Ref: N008 01 March 2026 to 07 March 2026



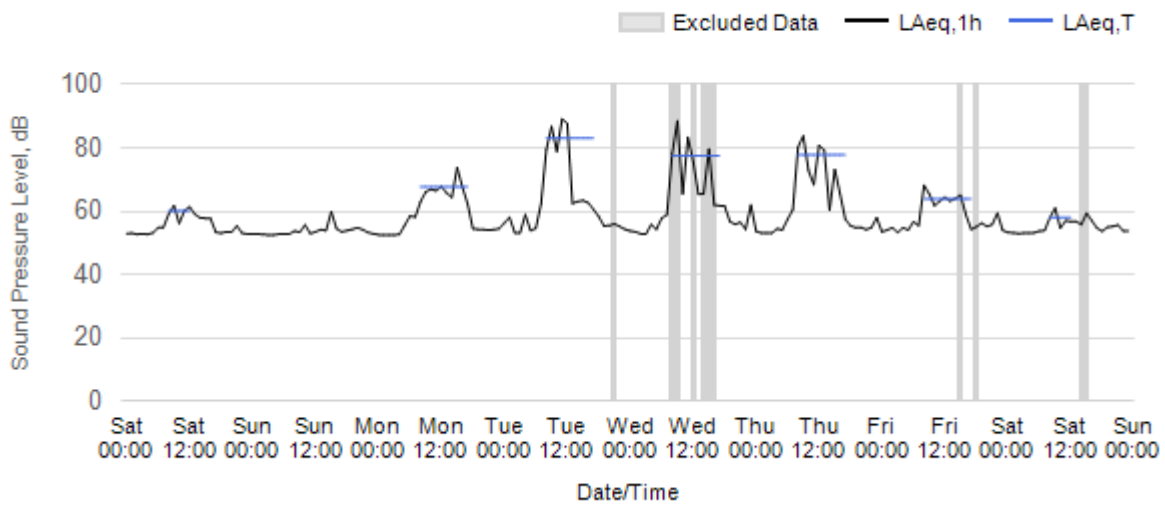
Worksite: TSS Monitoring Ref: N008 08 March 2026 to 14 March 2026



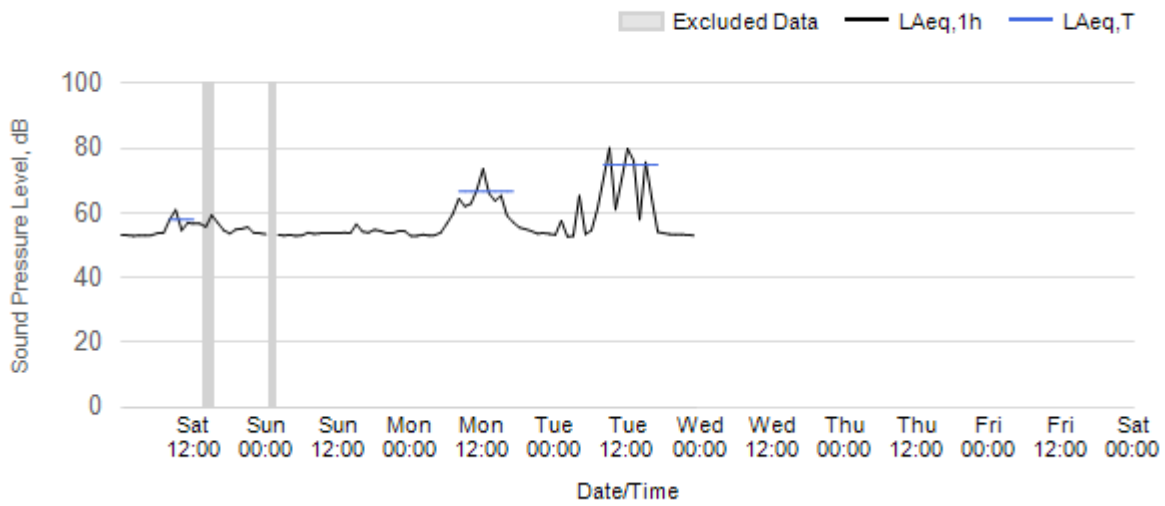
Worksite: TSS Monitoring Ref: N008 15 March 2026 to 21 March 2026



Worksite: TSS Monitoring Ref: N008 22 March 2026 to 28 March 2026

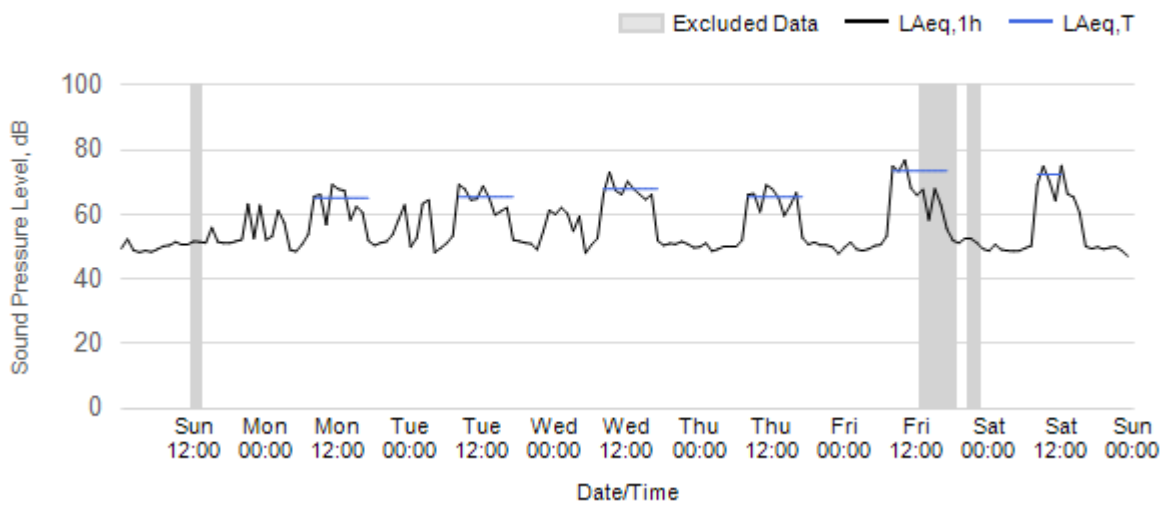


Worksite: TSS Monitoring Ref: N008 29 March 2026 to 4 April 2026

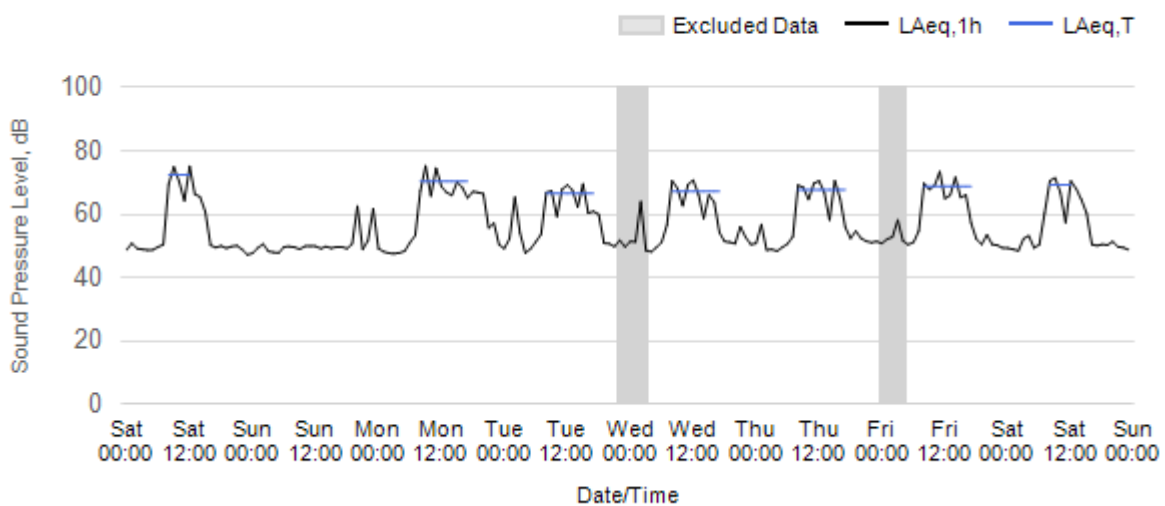


Worksite: TSS - Monitoring Ref: N006

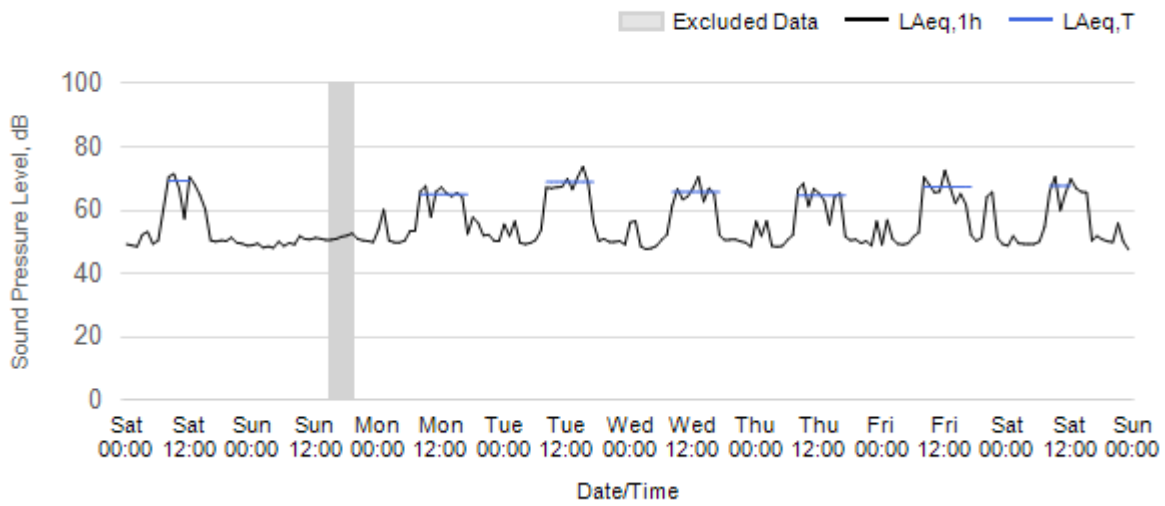
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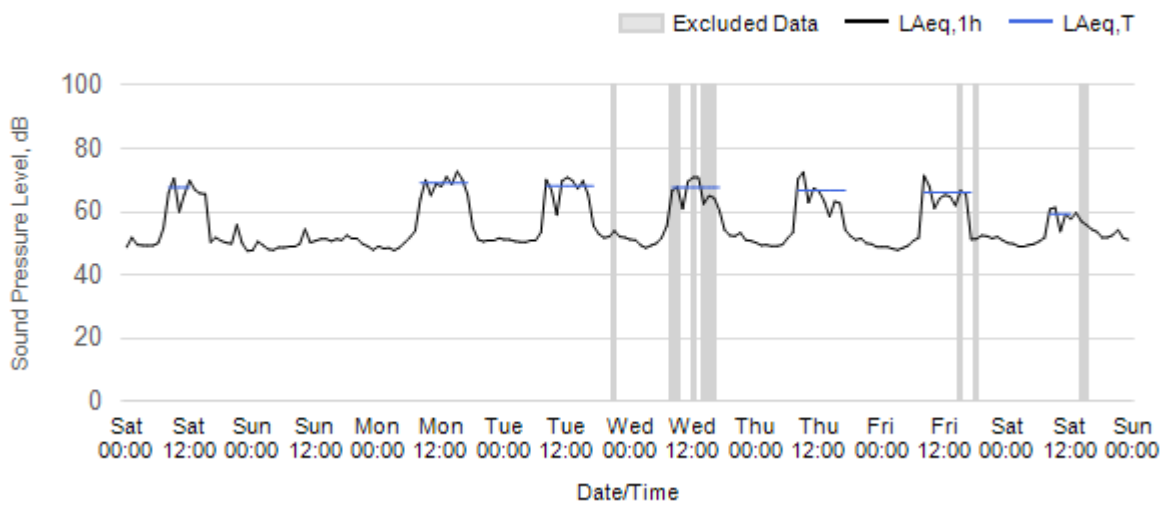
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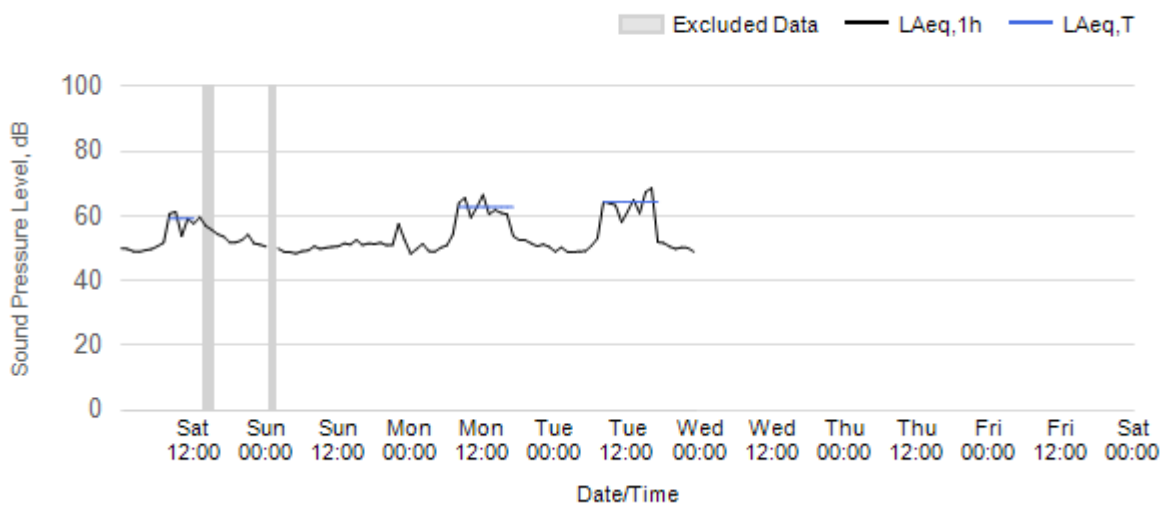
Worksite: TSS Monitoring Ref: N006 15 March 2026 to 21 March 2026



Worksite: TSS Monitoring Ref: N006 22 March 2026 to 28 March 2026

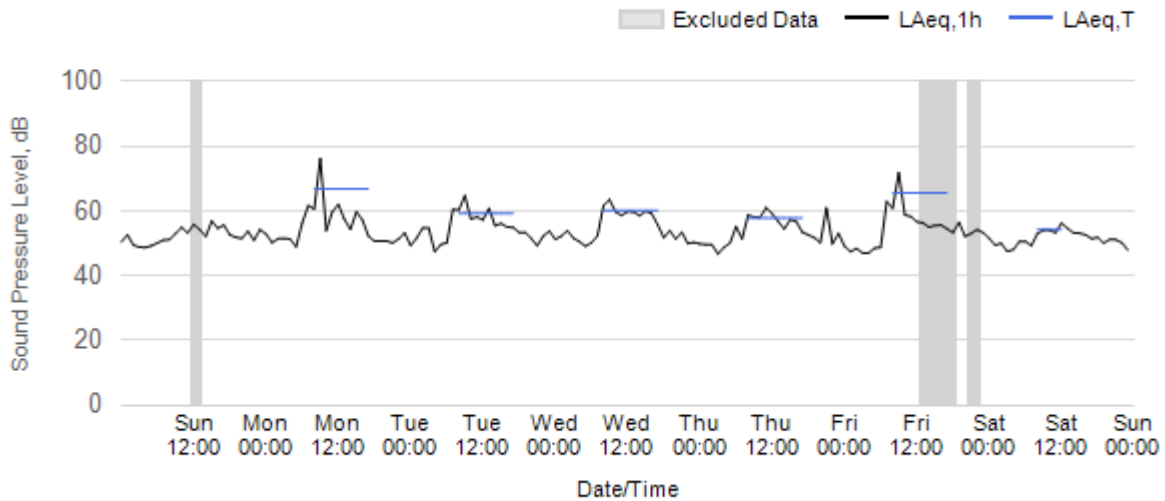


Worksite: TSS Monitoring Ref: N006 29 March 2026 to 4 April 2026

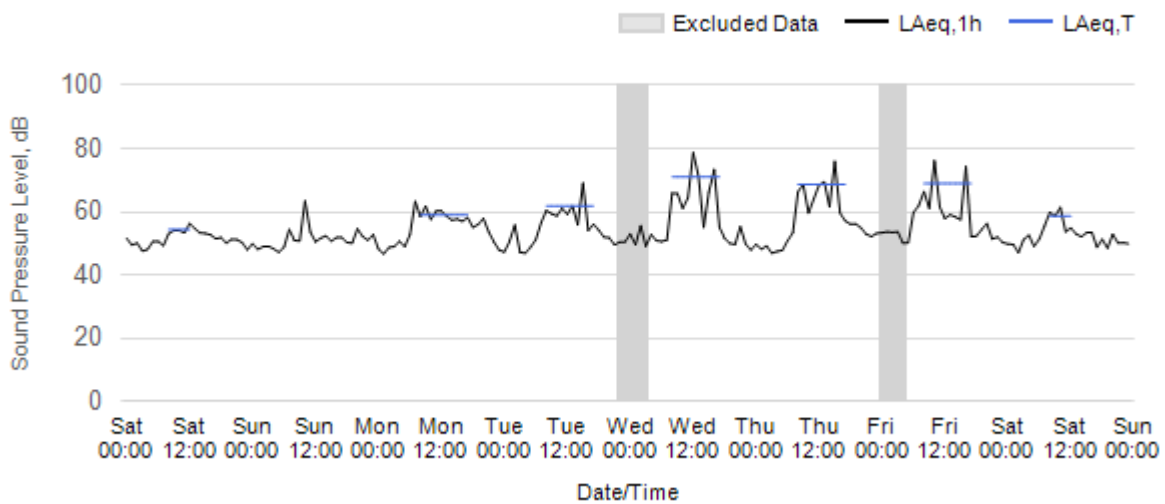


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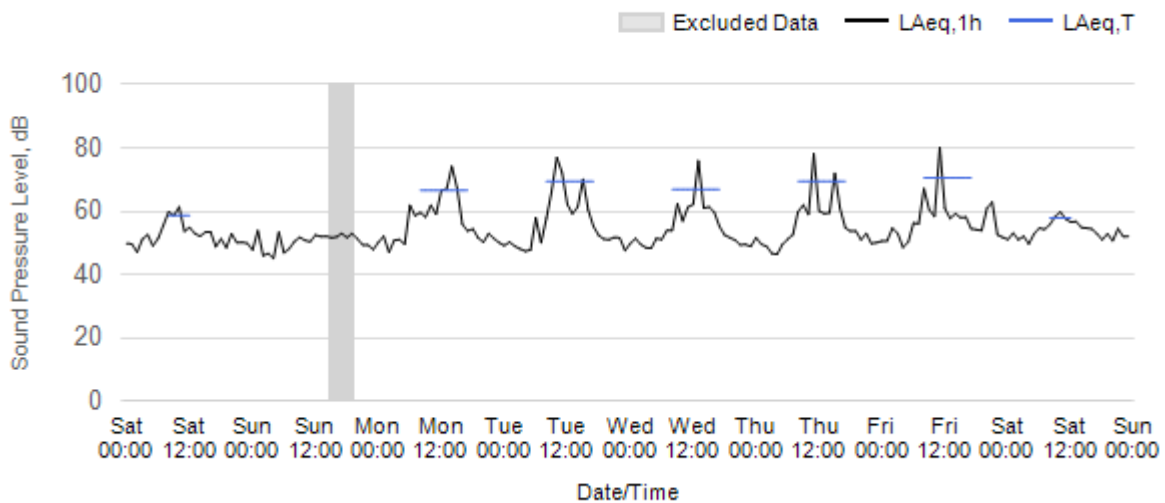
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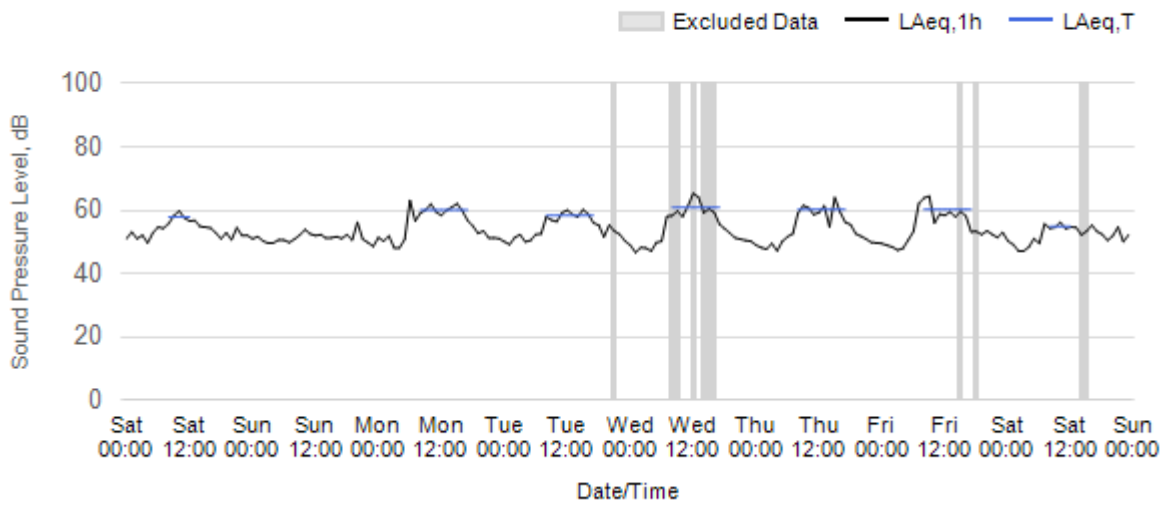
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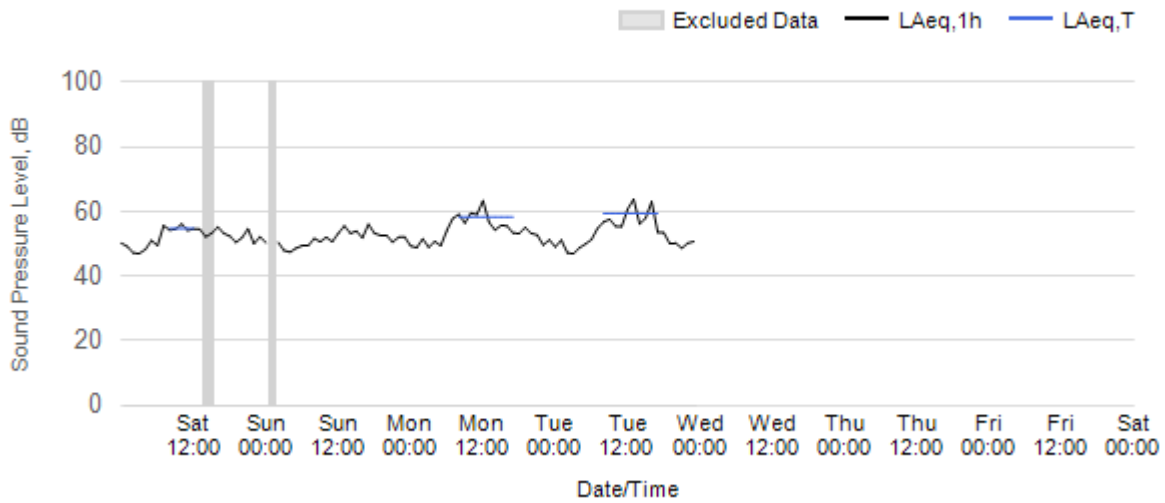
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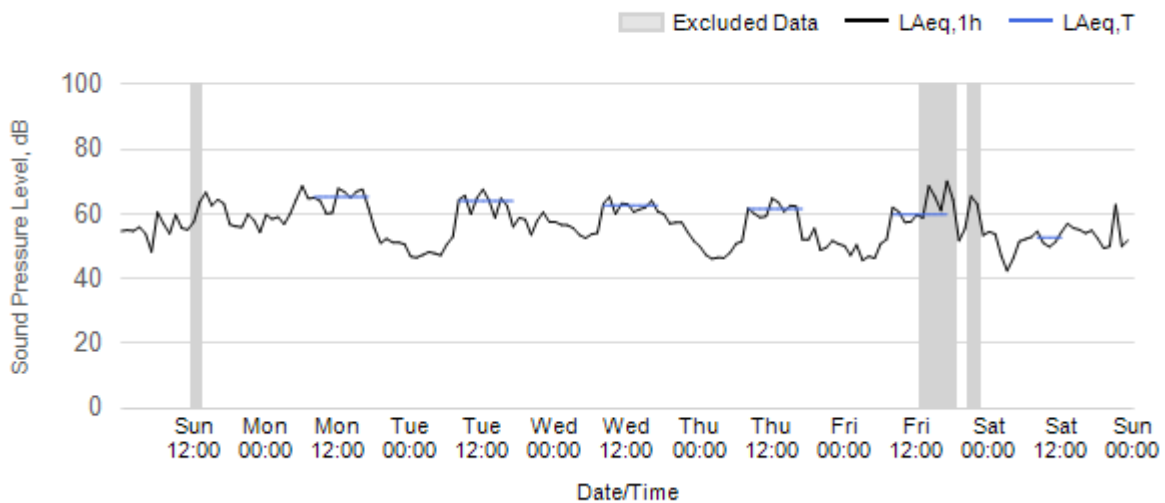


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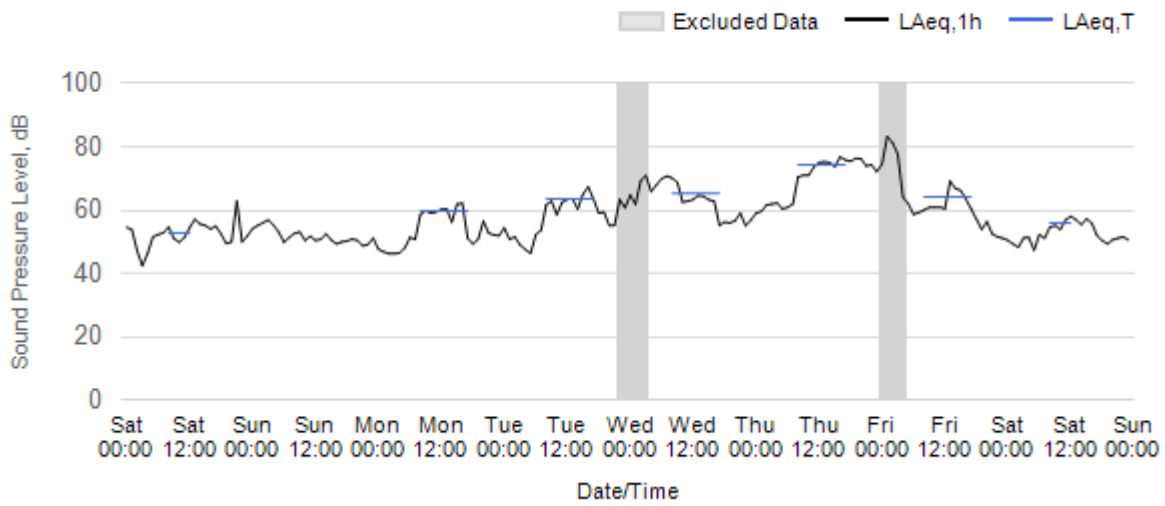


Worksite: NTH-EN - Monitoring Ref: N016

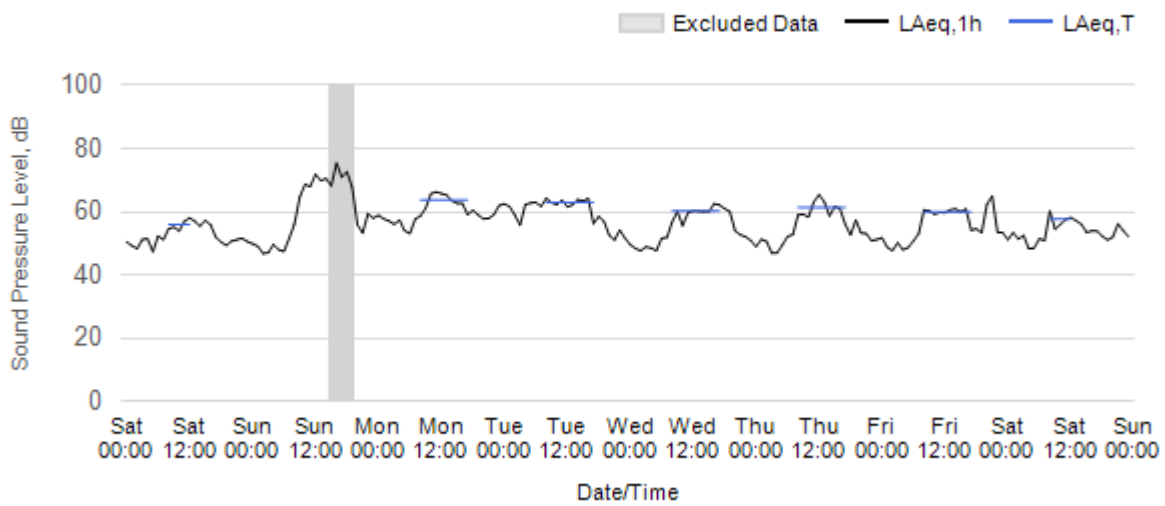
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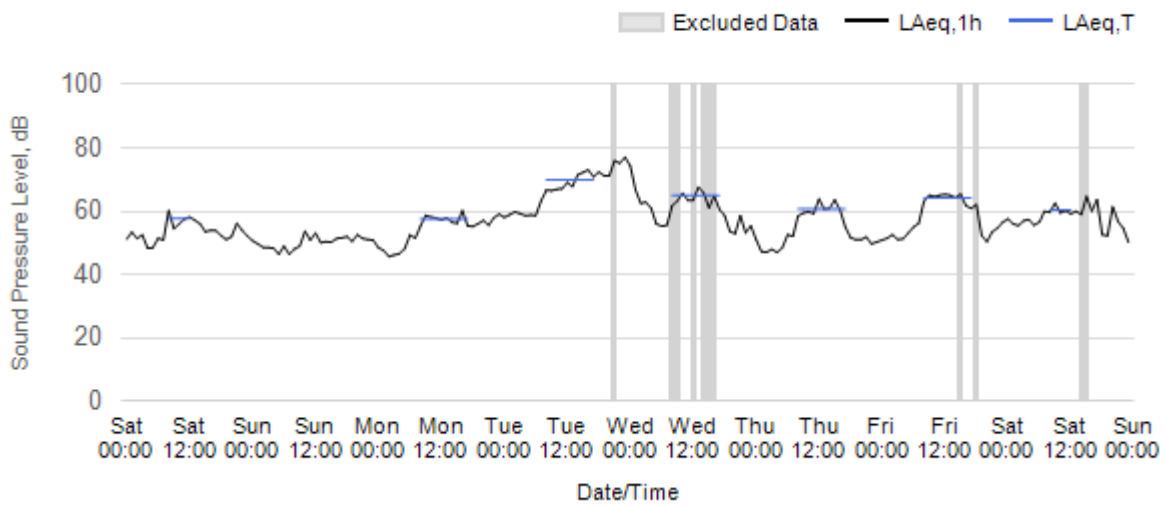
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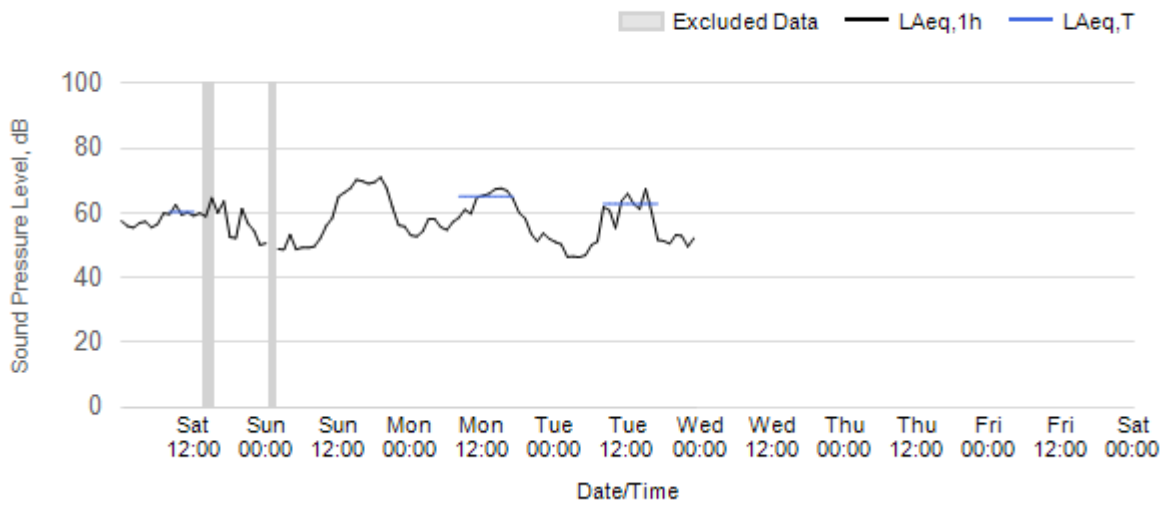
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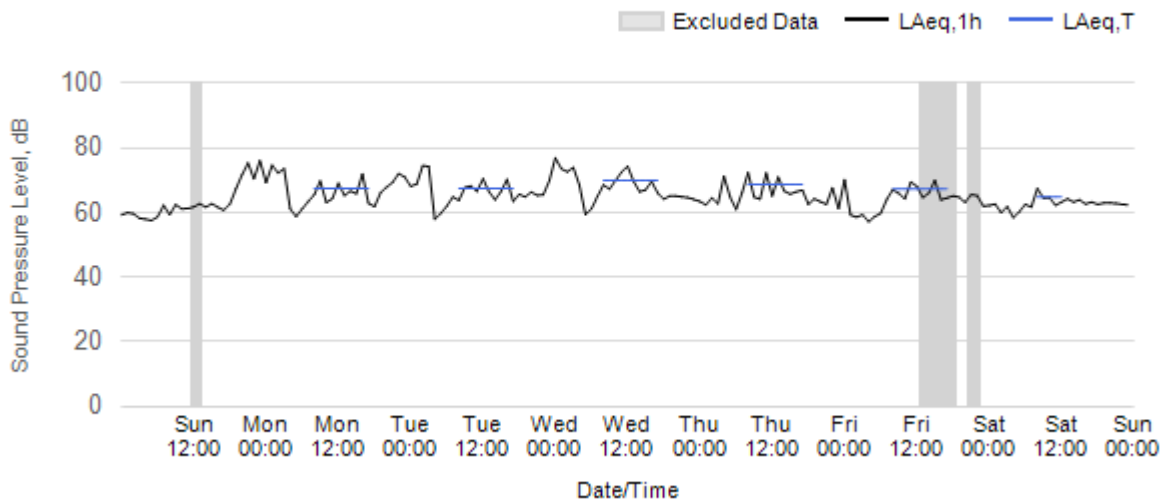


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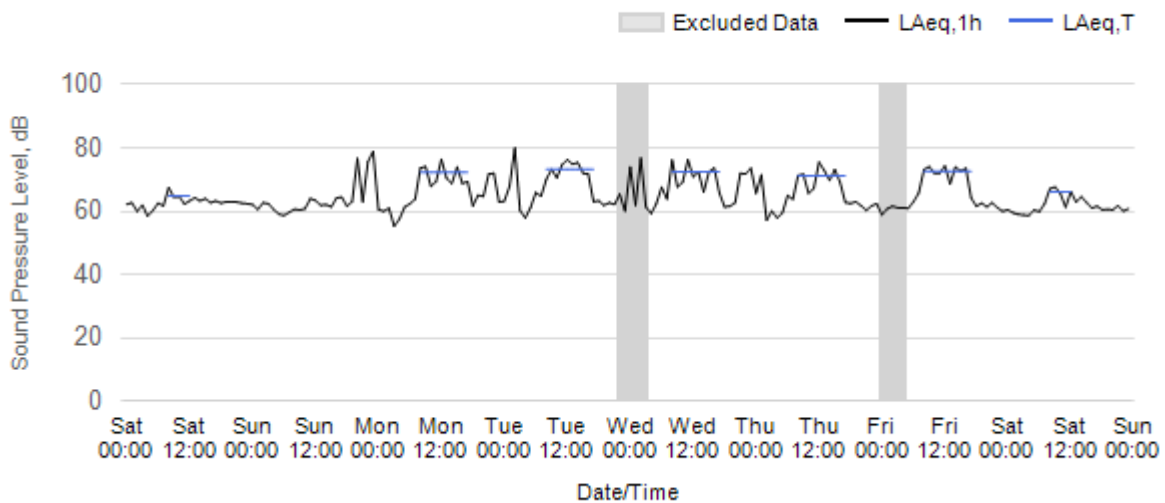


Worksite: ETD, ITR - Monitoring Ref: N007

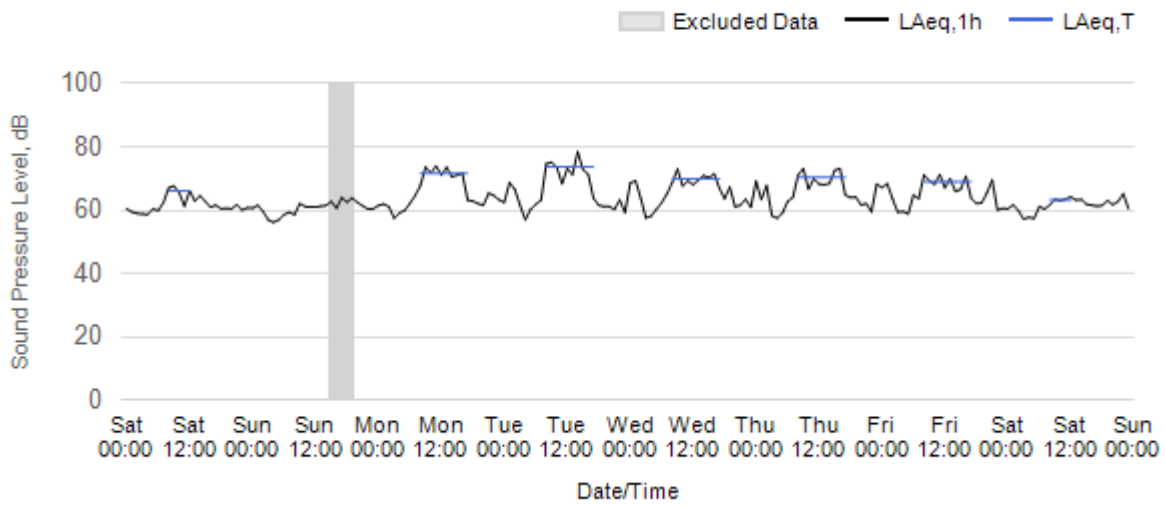
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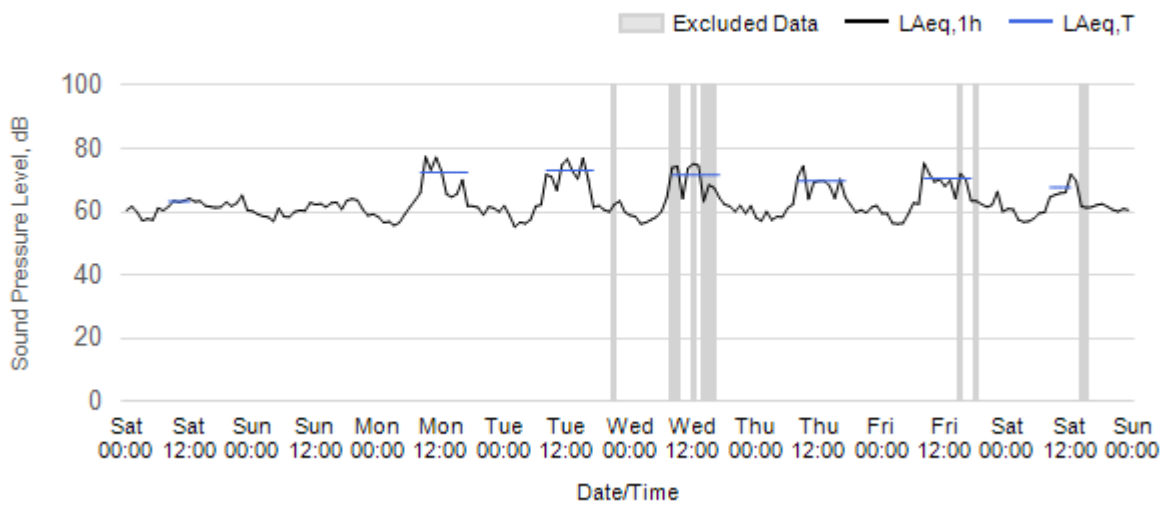
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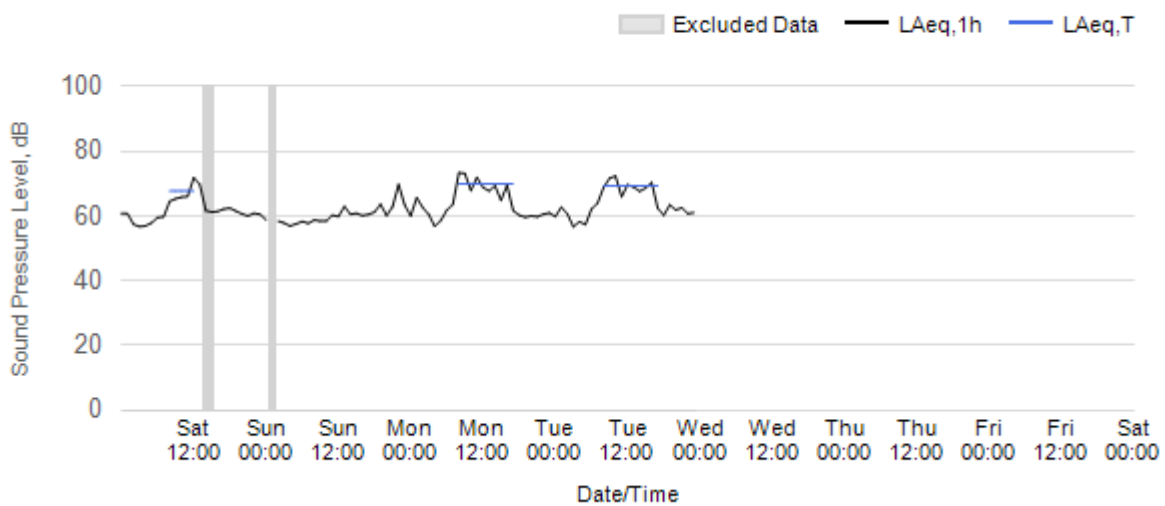
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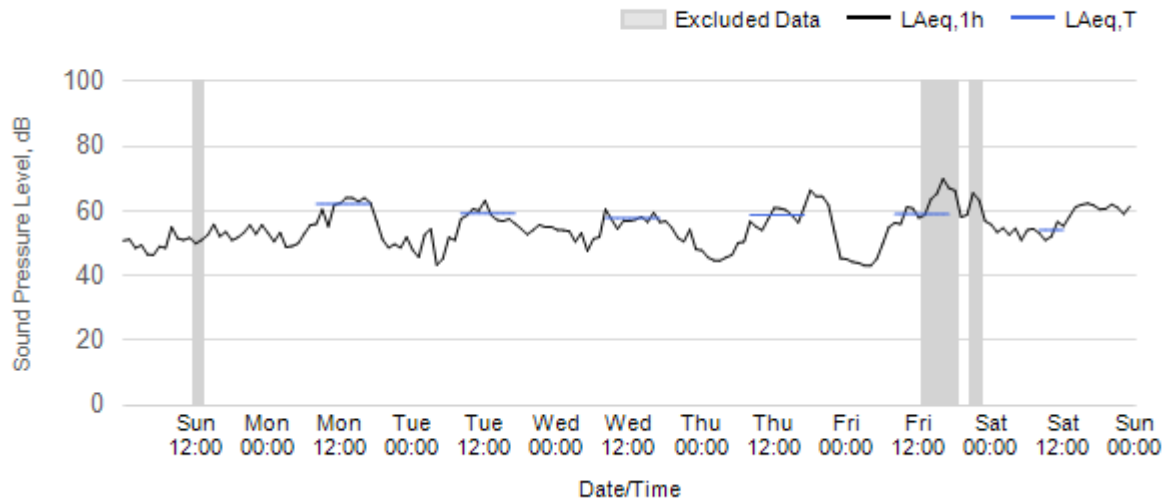


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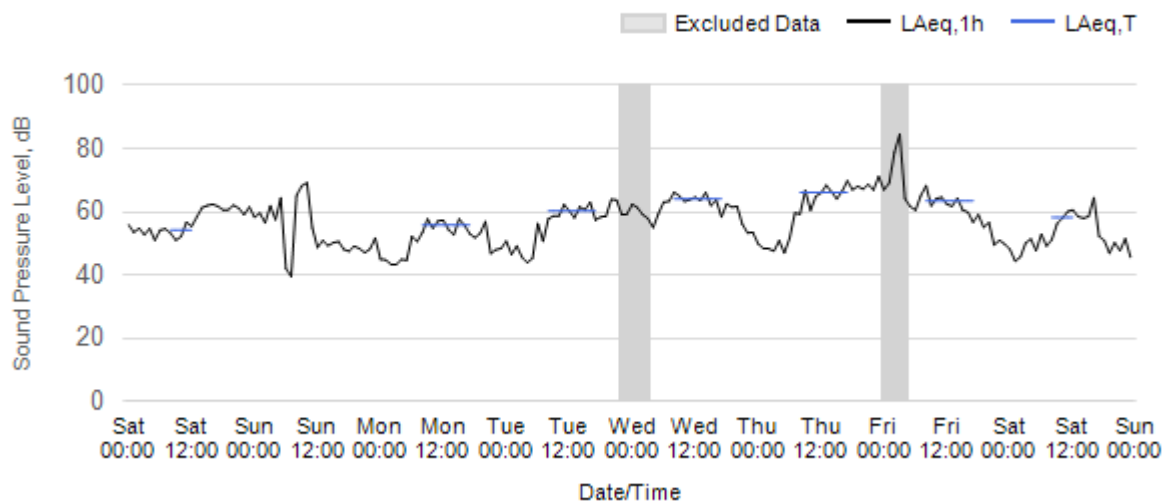


Worksite: MFOS - Monitoring Ref: N014

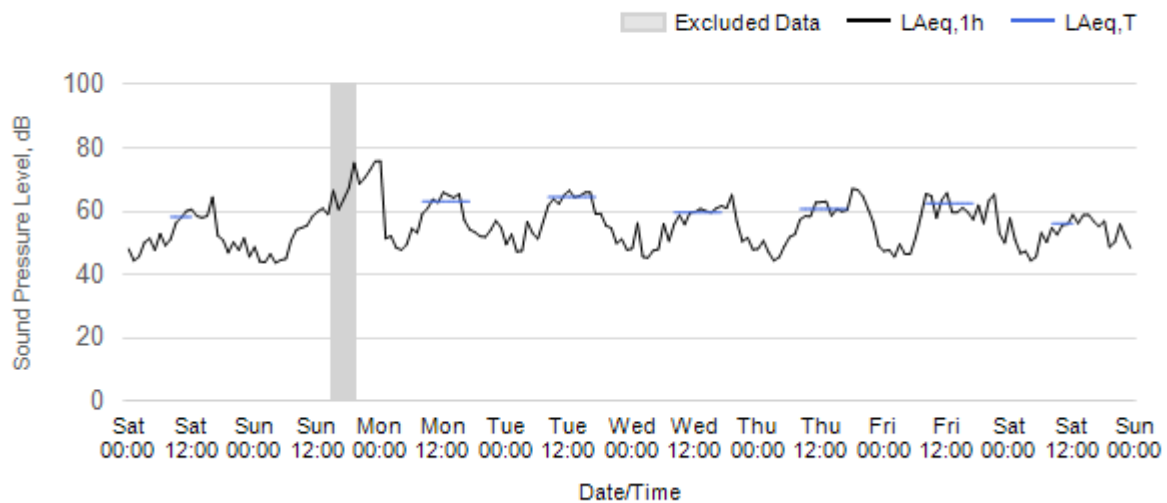
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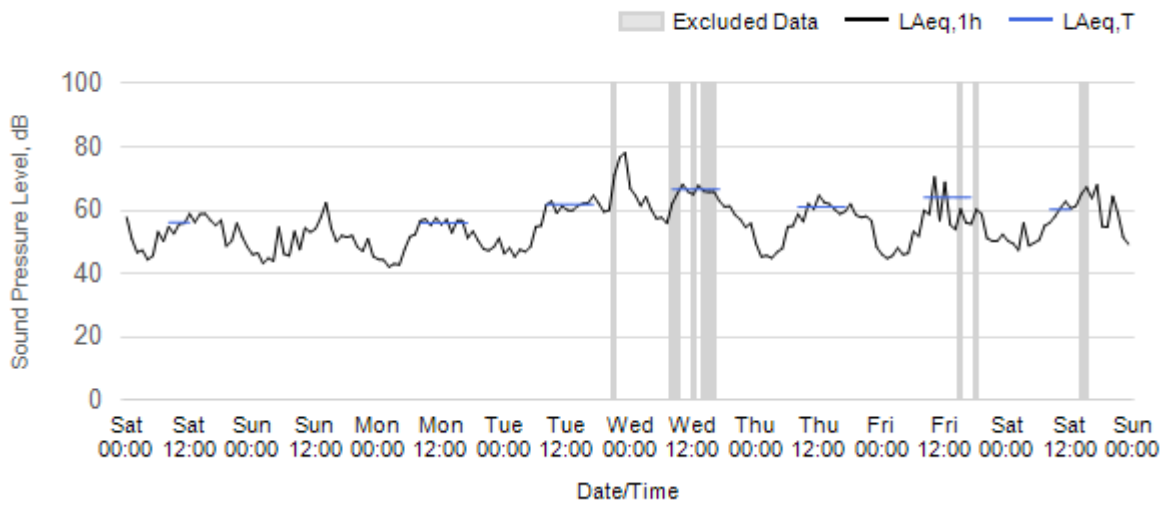
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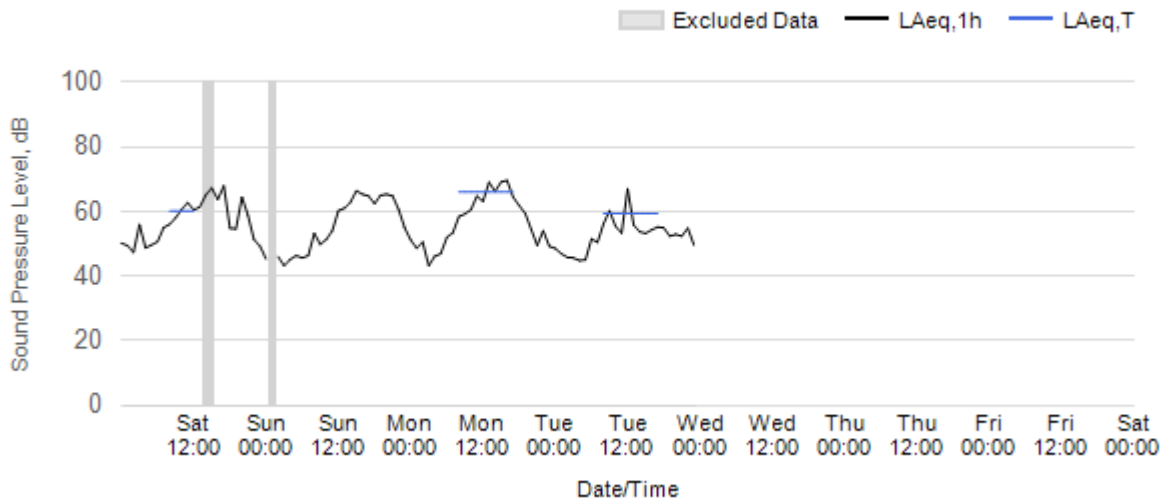
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Worksite: MFOS Monitoring Ref: N014 22 March 2026 to 28 March 2026

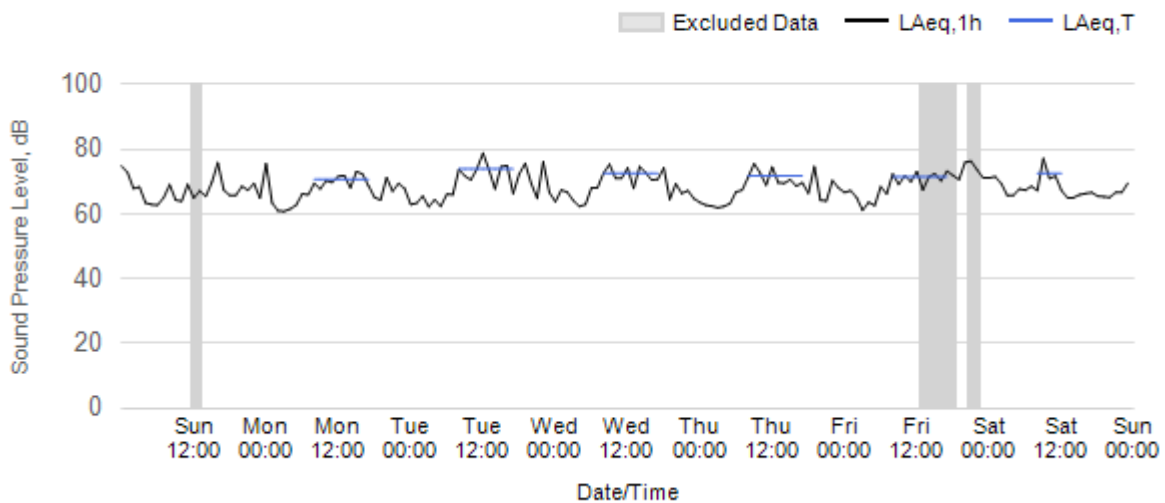


Worksite: MFOS Monitoring Ref: N014 29 March 2026 to 4 April 2026

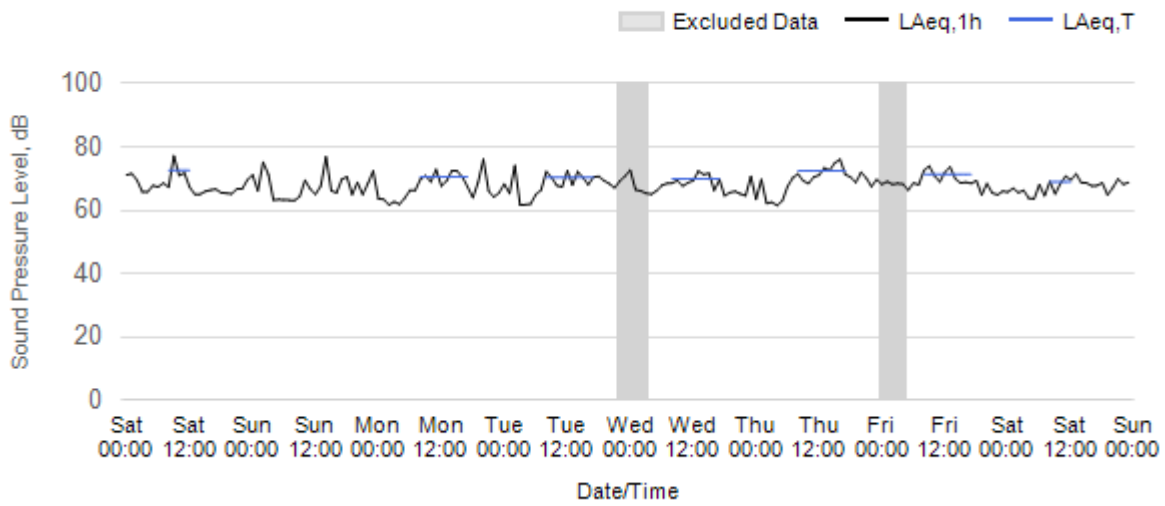


Worksite: NTH-EN - Monitoring Ref: N017

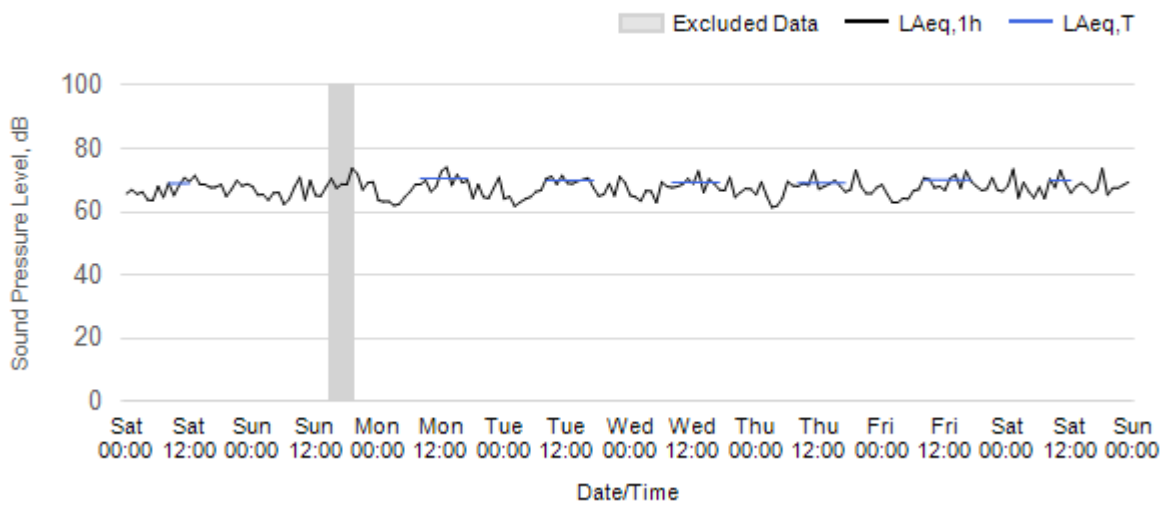
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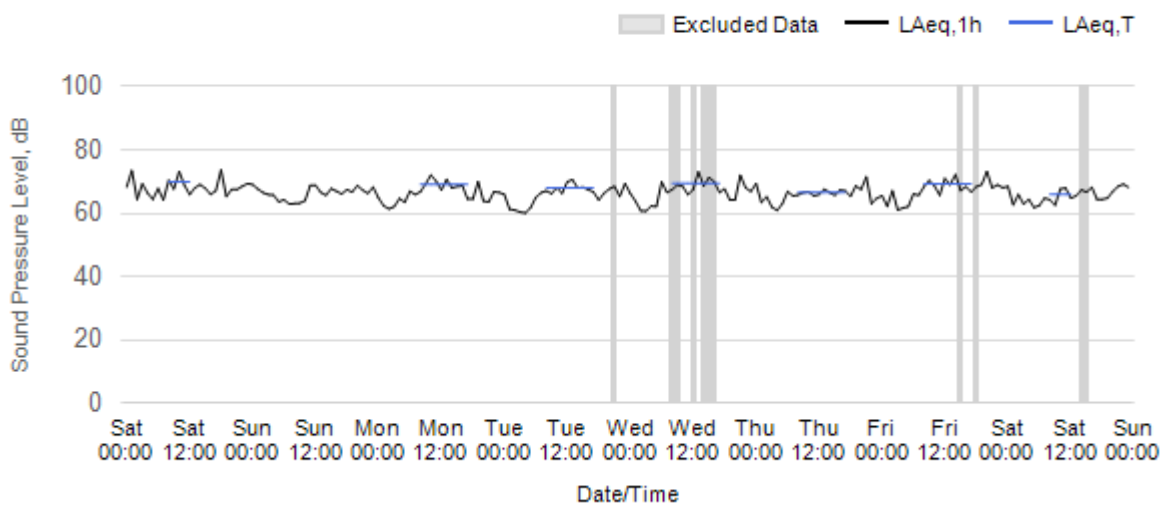
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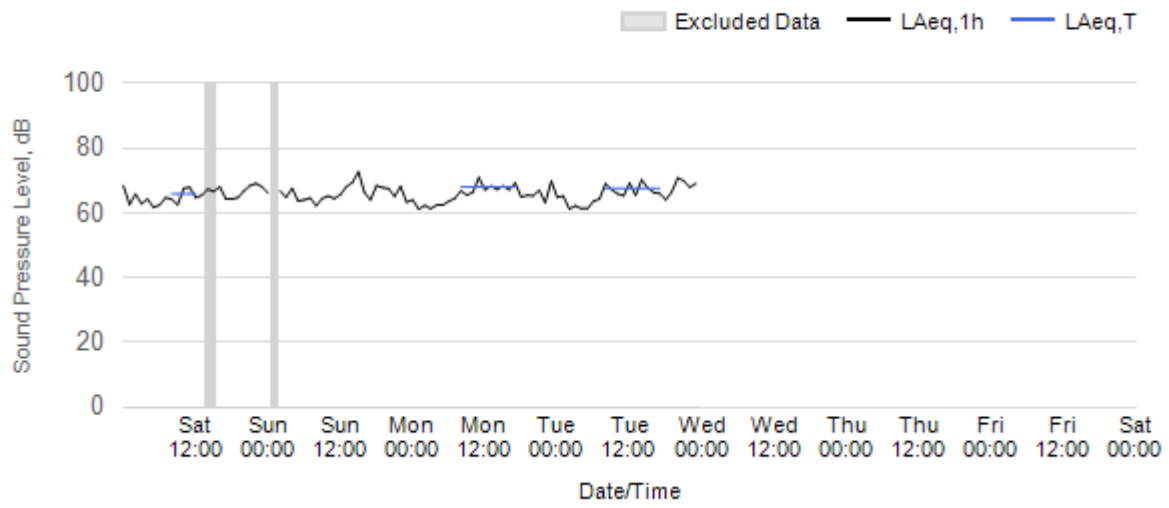
Worksite: NTH-EN Monitoring Ref: N017 15 March 2026 to 21 March 2026



Worksite: NTH-EN Monitoring Ref: N017 22 March 2026 to 28 March 2026



Worksite: NTH-EN Monitoring Ref: N017 29 March 2026 to 4 April 2026

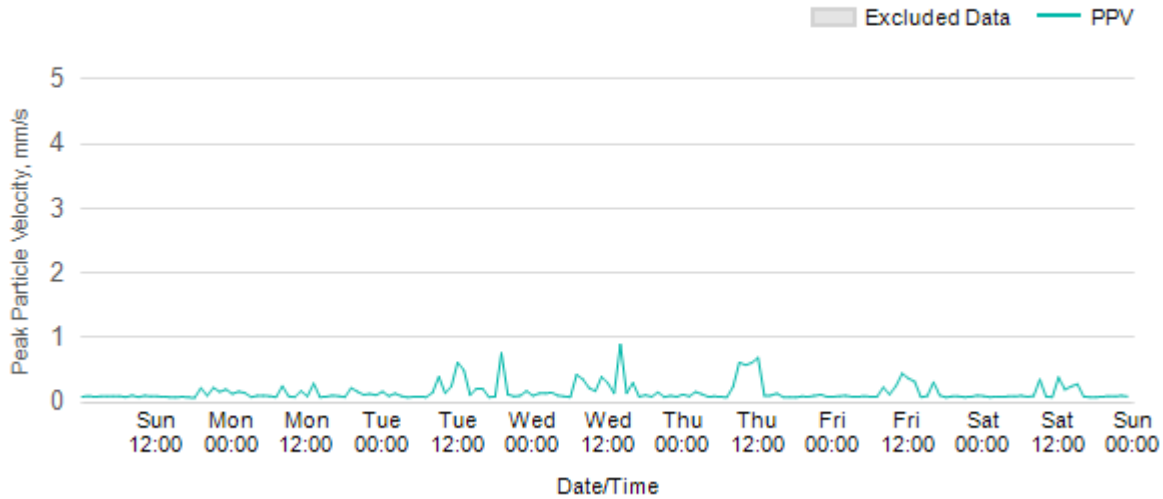


Vibration

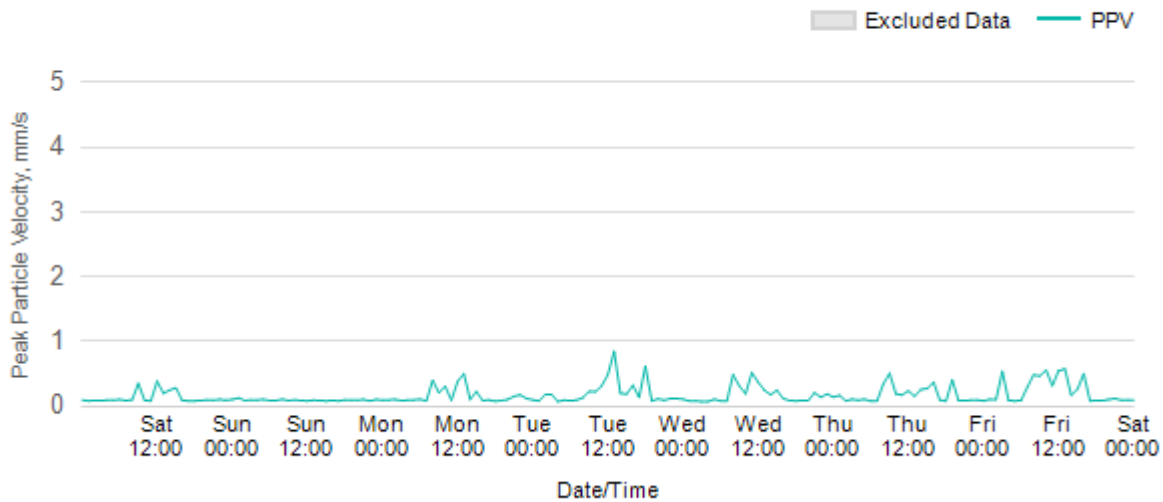
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the resultant PPV due to vibration components on three orthogonal axis x, y and z. Where high values of PPV were caused by local interference with the vibration monitor, which are not representative of HS2 construction works, these values have been greyed out in the following charts and have been excluded to calculate values in Table 4 of the main report.

Worksite: TSS - Monitoring Ref: V002

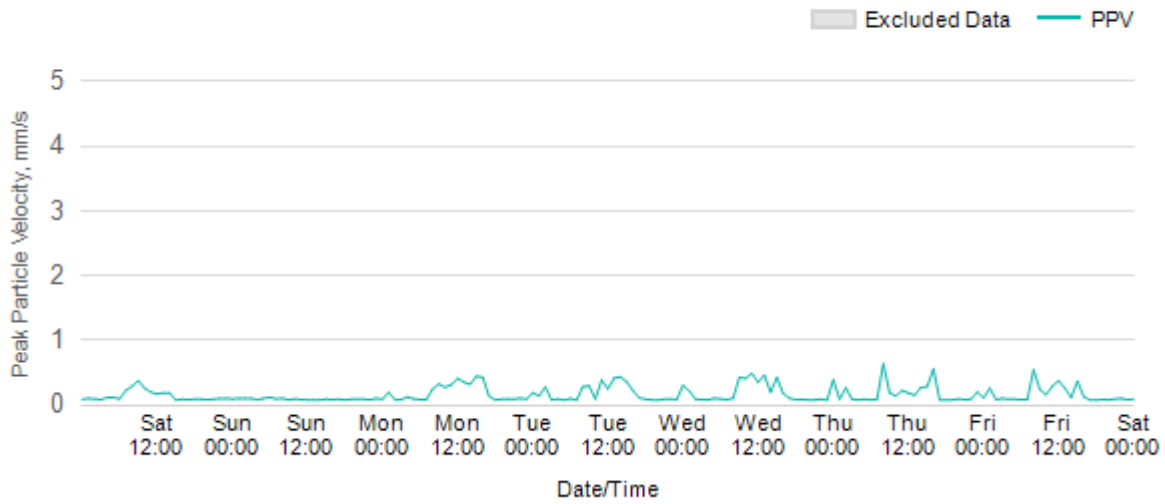
Worksite: TSS Monitoring Ref: V002 01 March 2026 to 07 March 2026



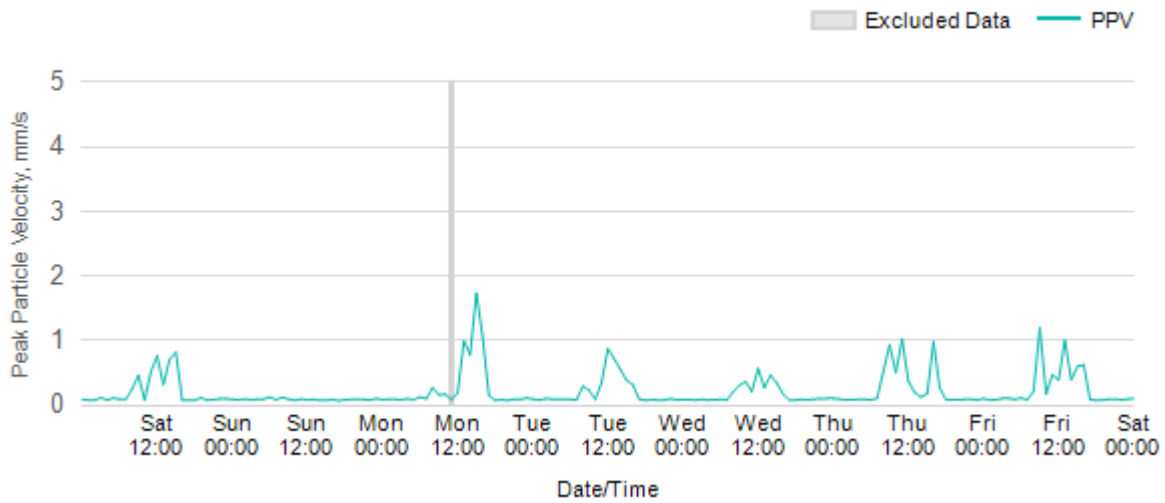
Worksite: TSS Monitoring Ref: V002 08 March 2026 to 14 March 2026



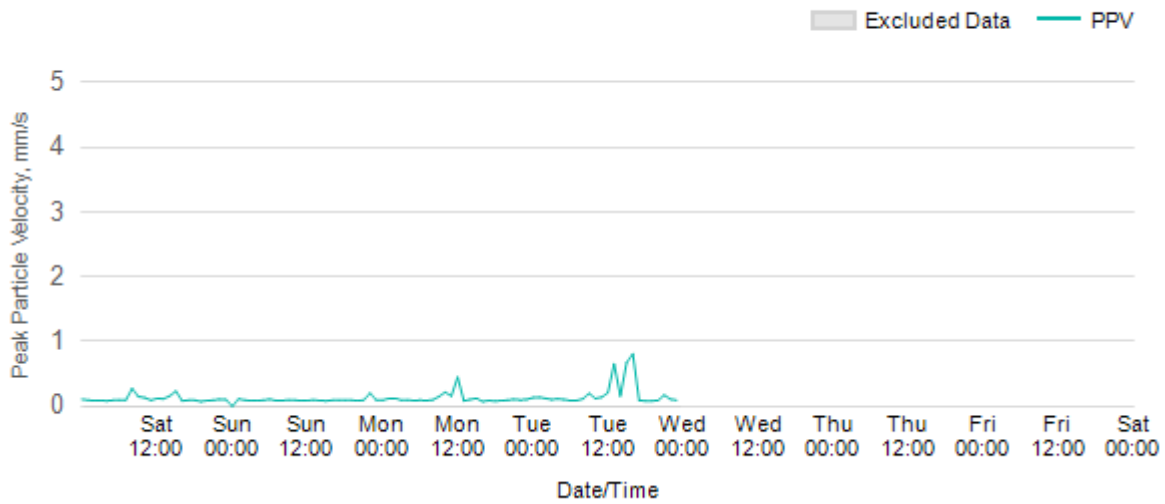
Worksite: TSS Monitoring Ref: V002 15 March 2026 to 21 March 2026



Worksite: TSS Monitoring Ref: V002 22 March 2026 to 28 March 2026

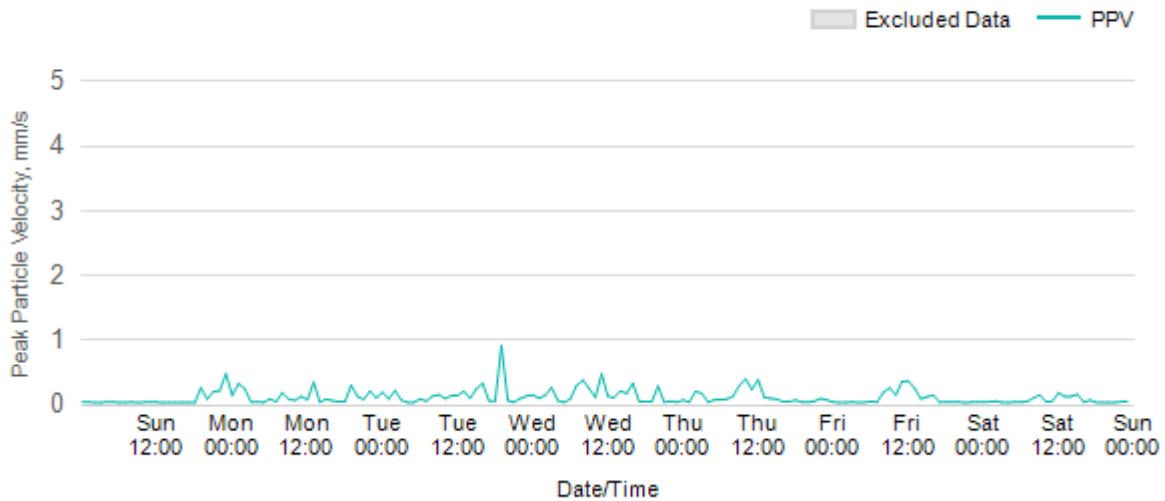


Worksite: TSS Monitoring Ref: V002 29 March 2026 to 4 April 2026

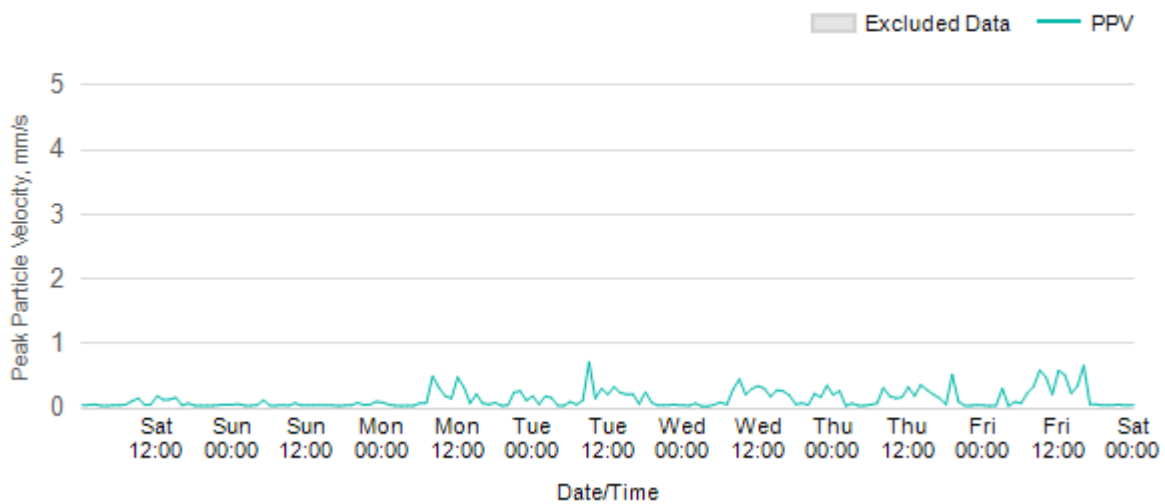


Worksite: ETD, ITR - Monitoring Ref: V003

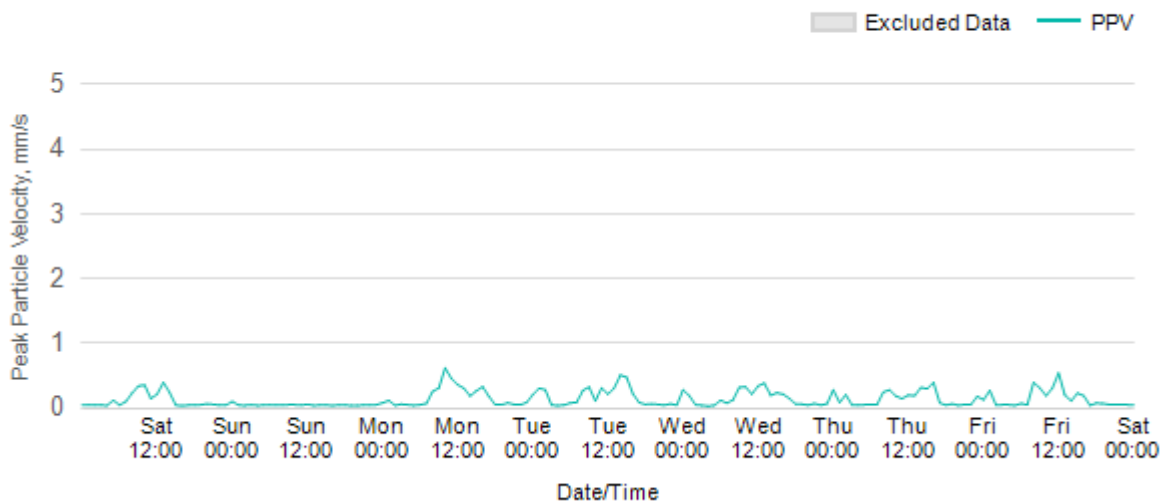
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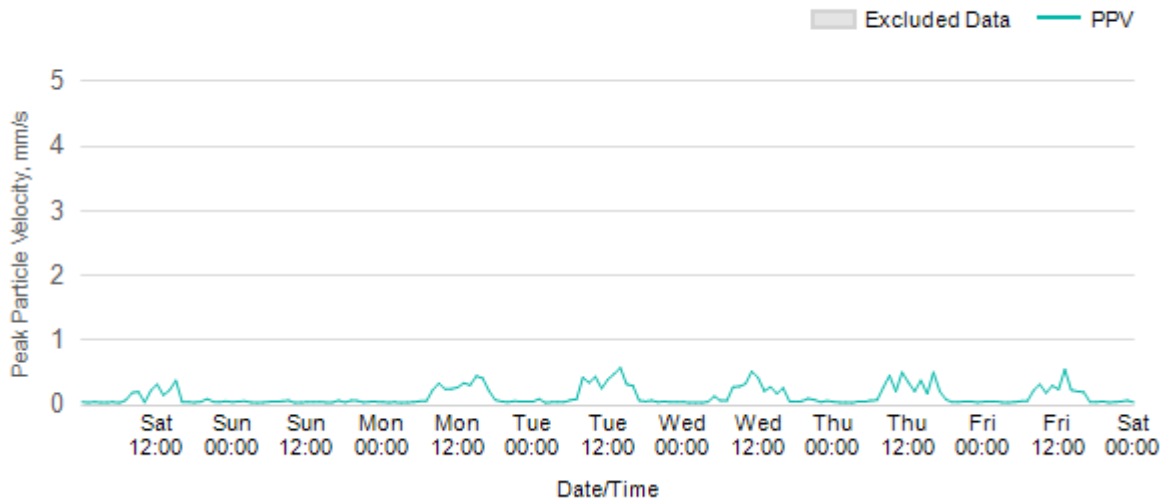
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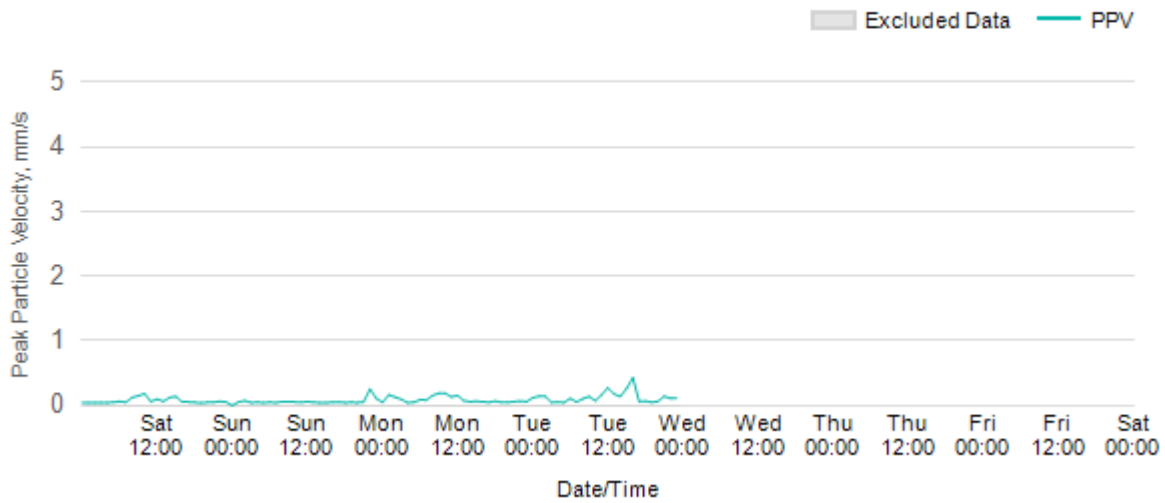
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Worksite: ETD, ITR Monitoring Ref: V003 22 March 2026 to 28 March 2026

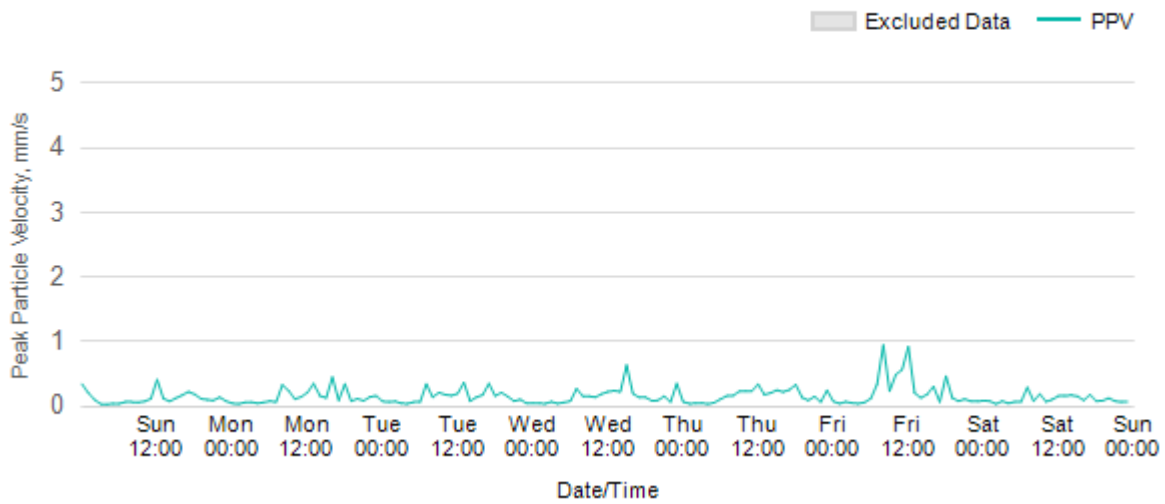


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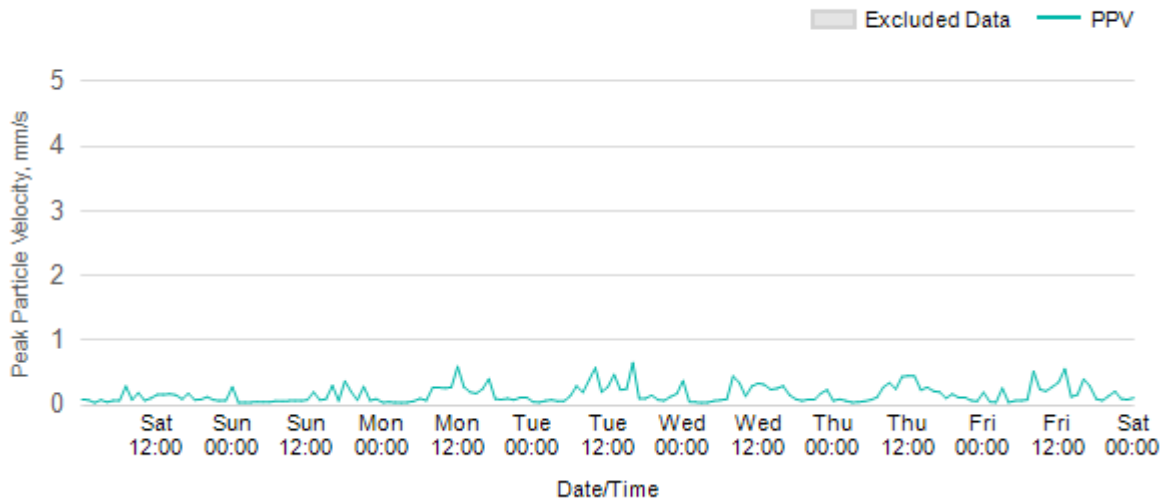


Worksite: NTH-EN - Monitoring Ref: V021

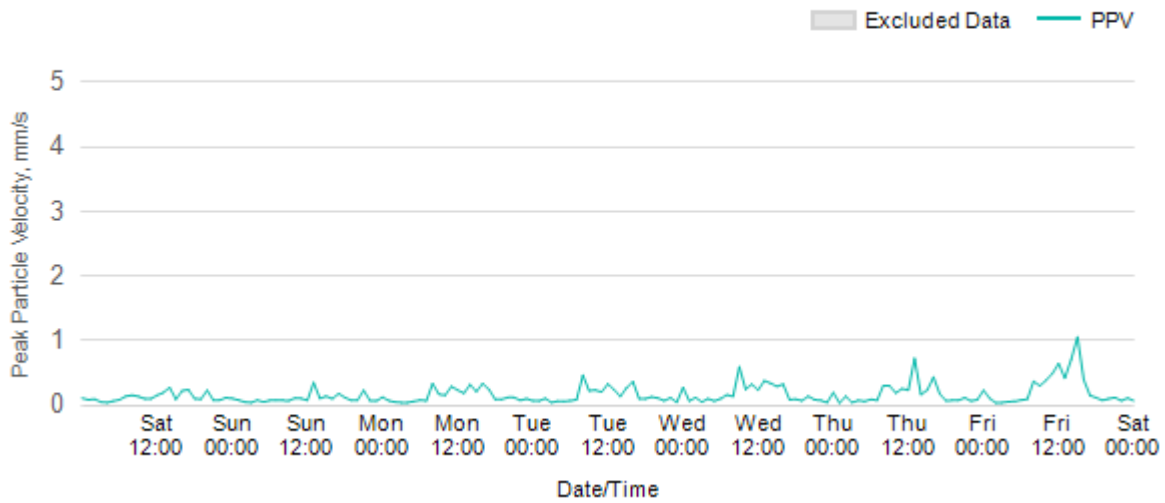
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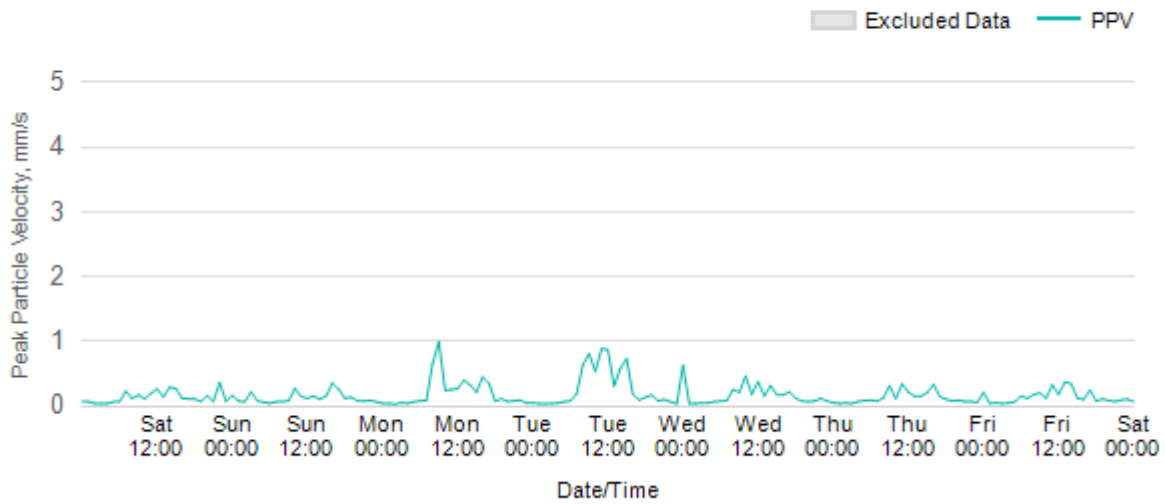
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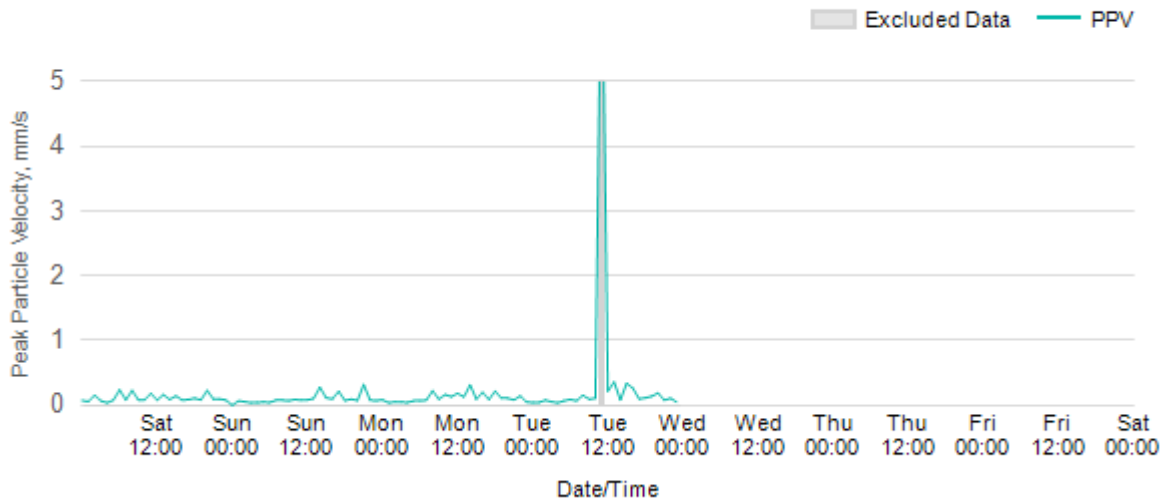
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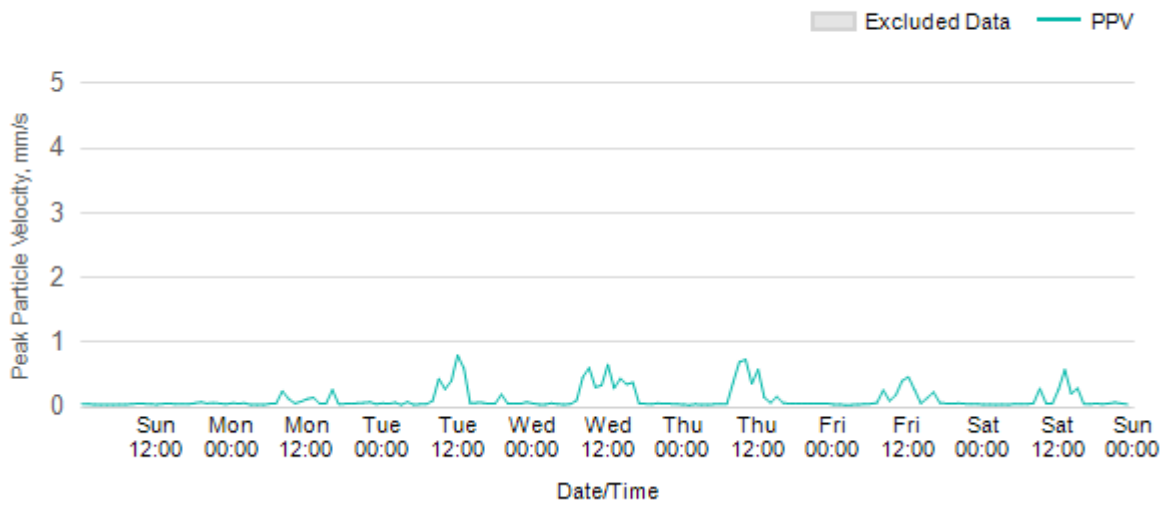


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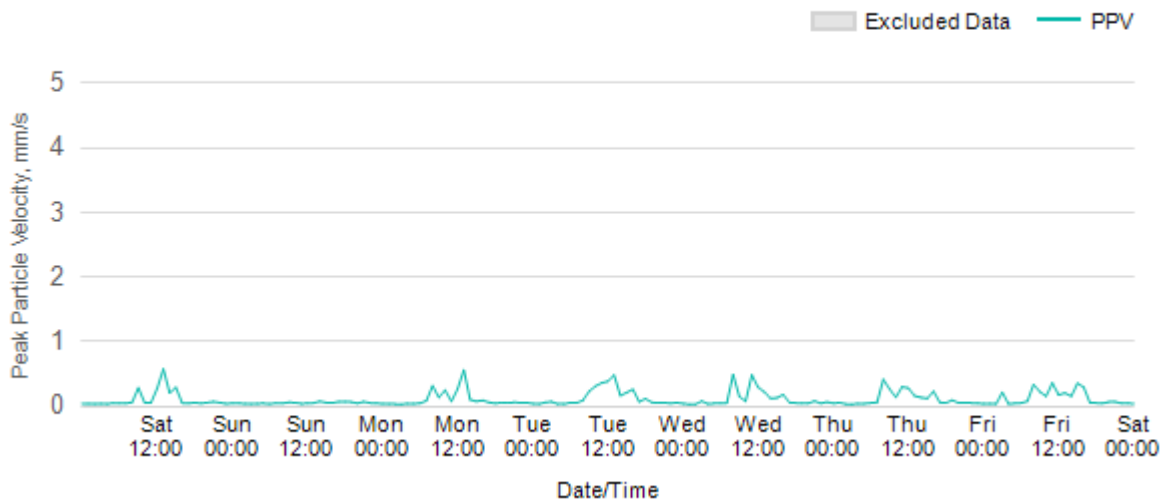


Worksite: TSS - Monitoring Ref: V037

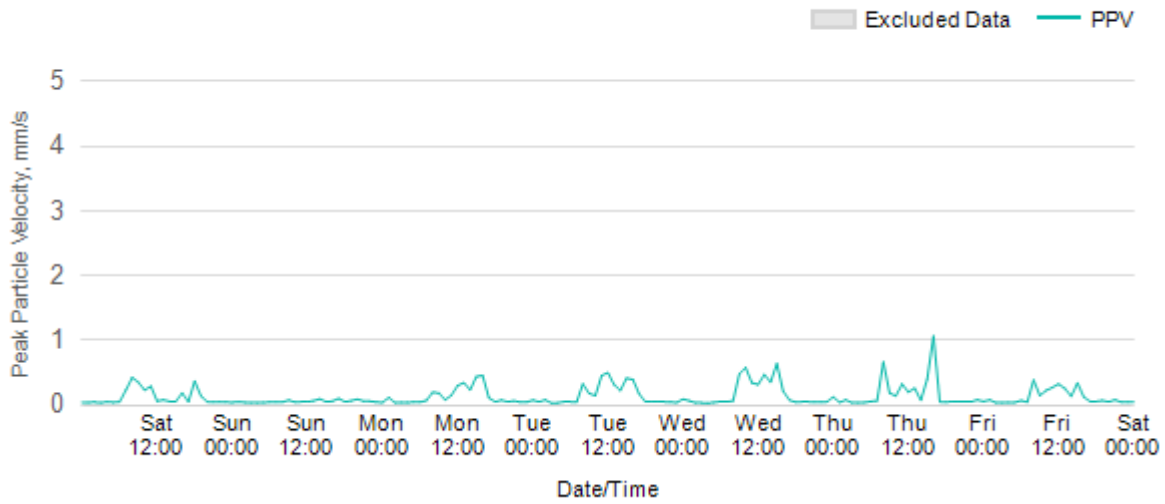
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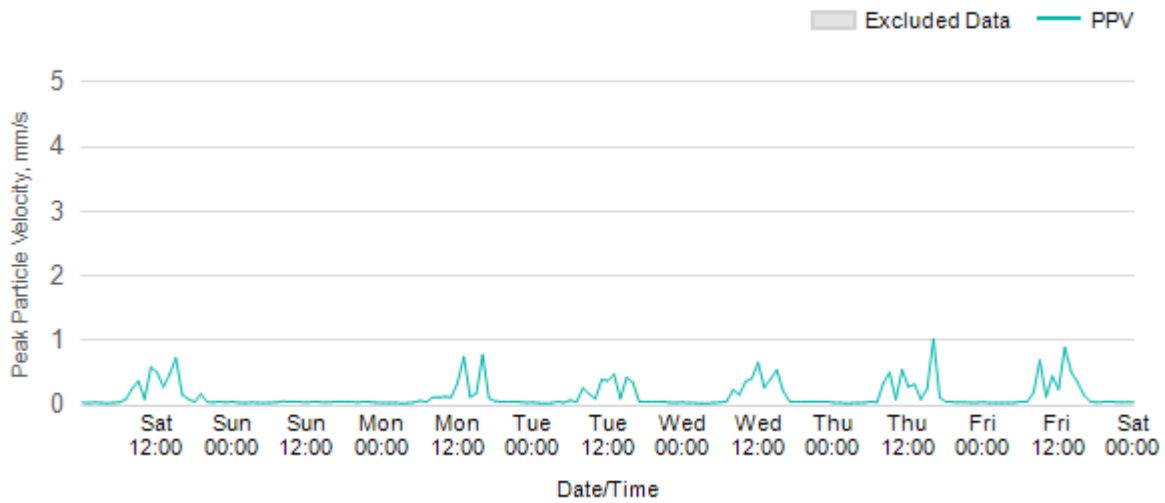
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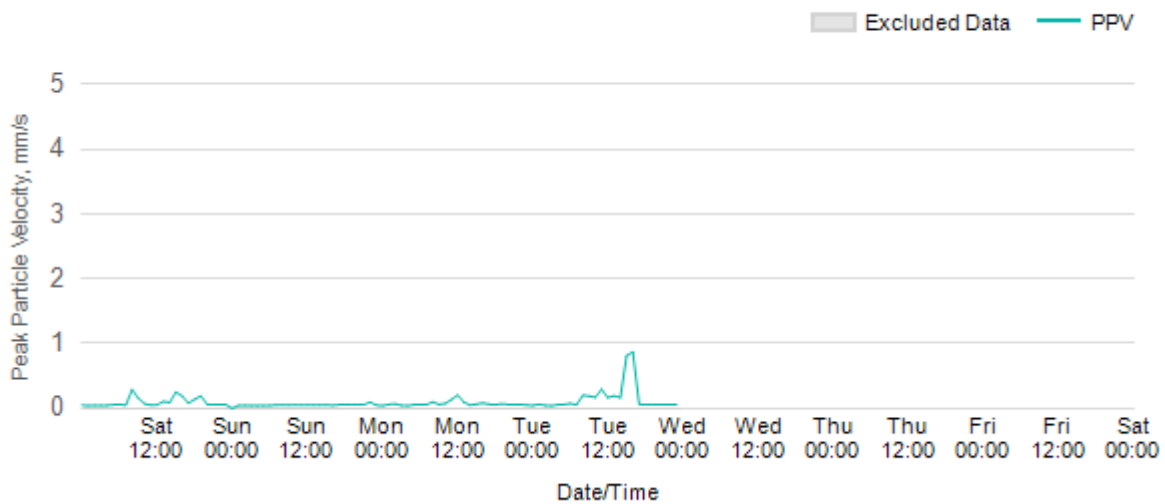
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Worksite: TSS Monitoring Ref: V037 22 March 2026 to 28 March 2026

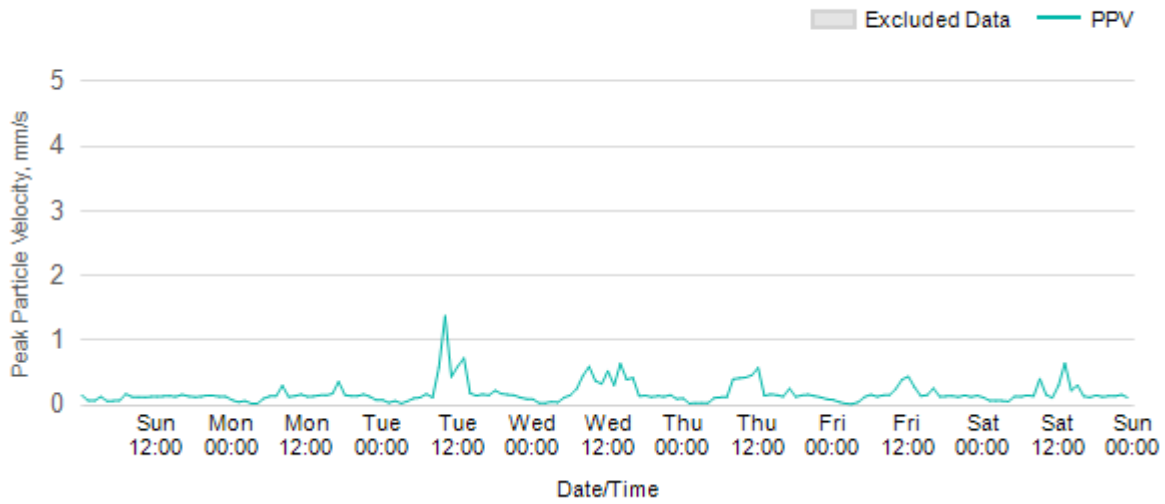


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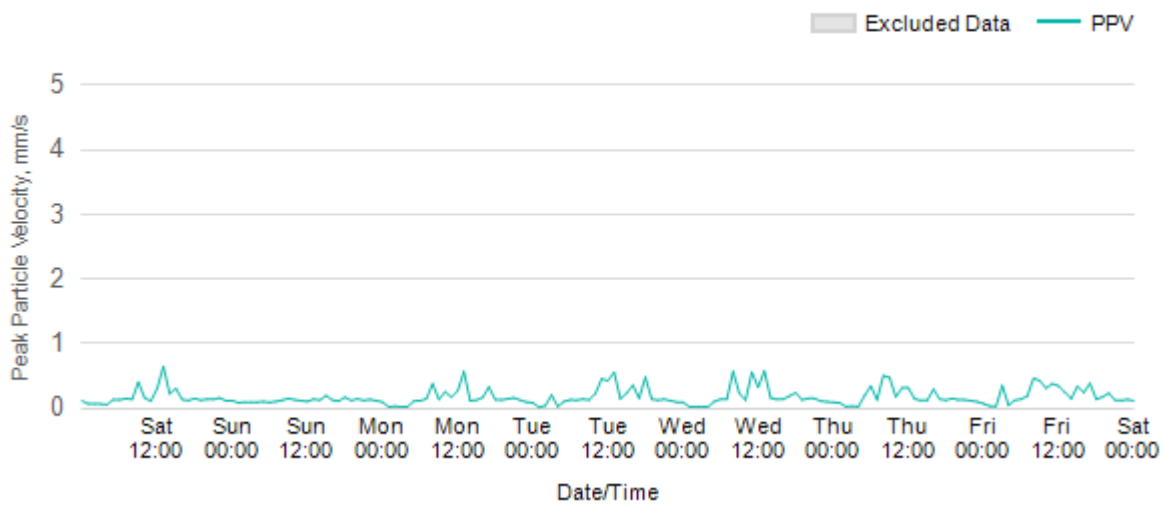


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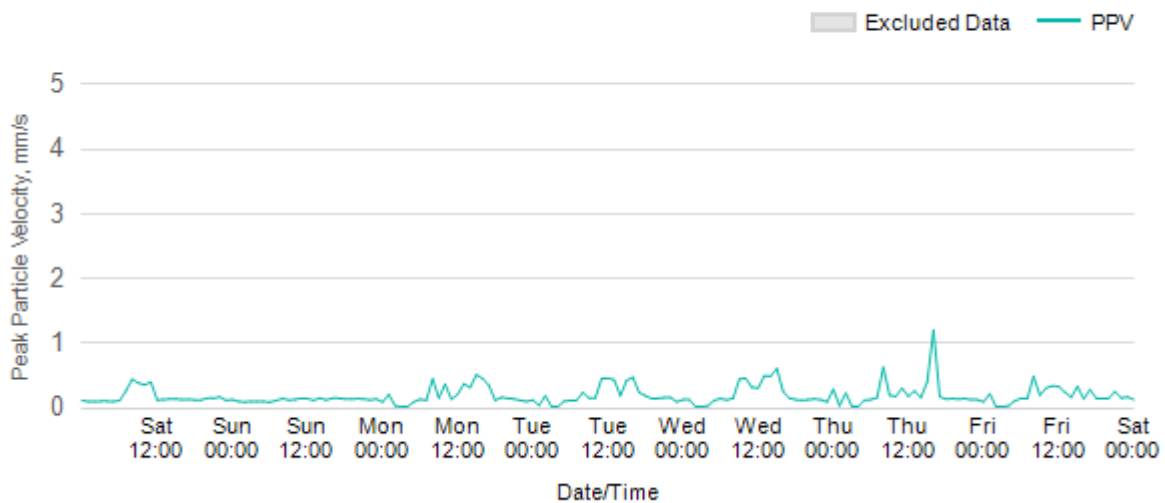
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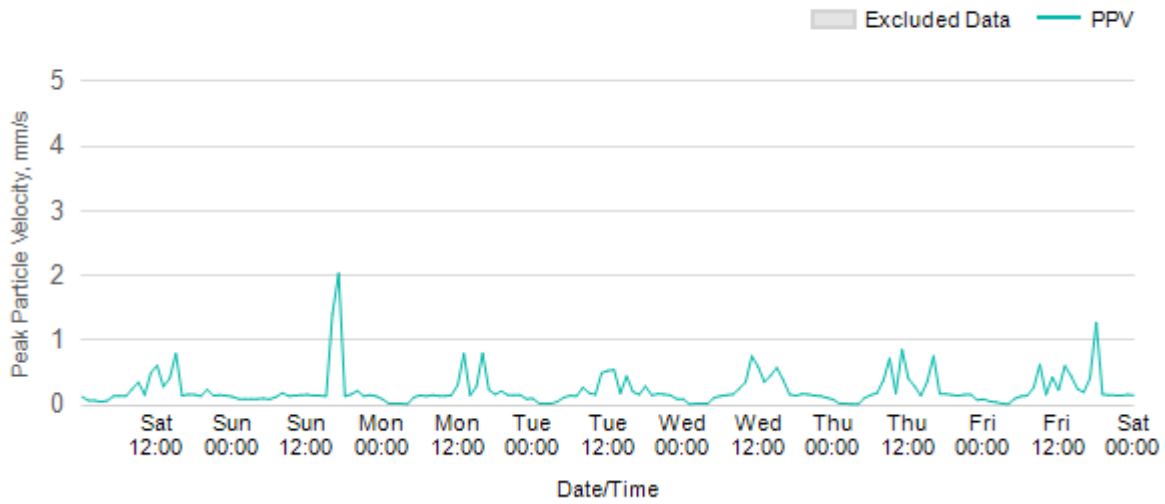
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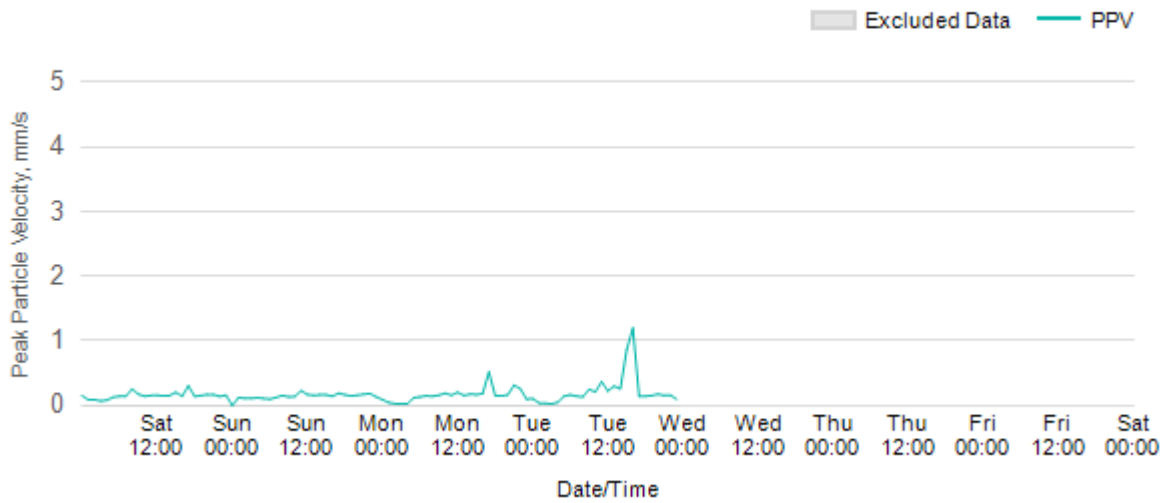
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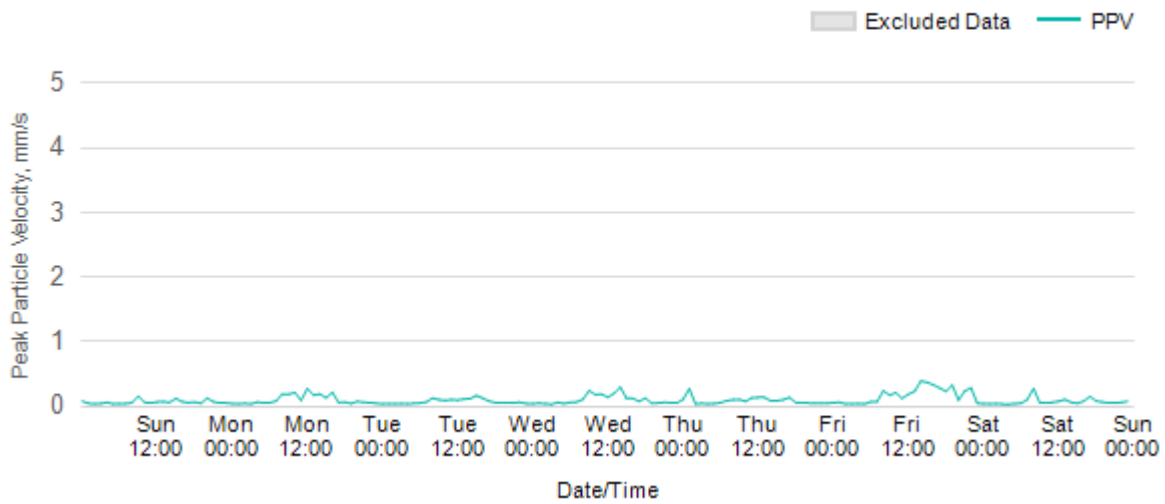


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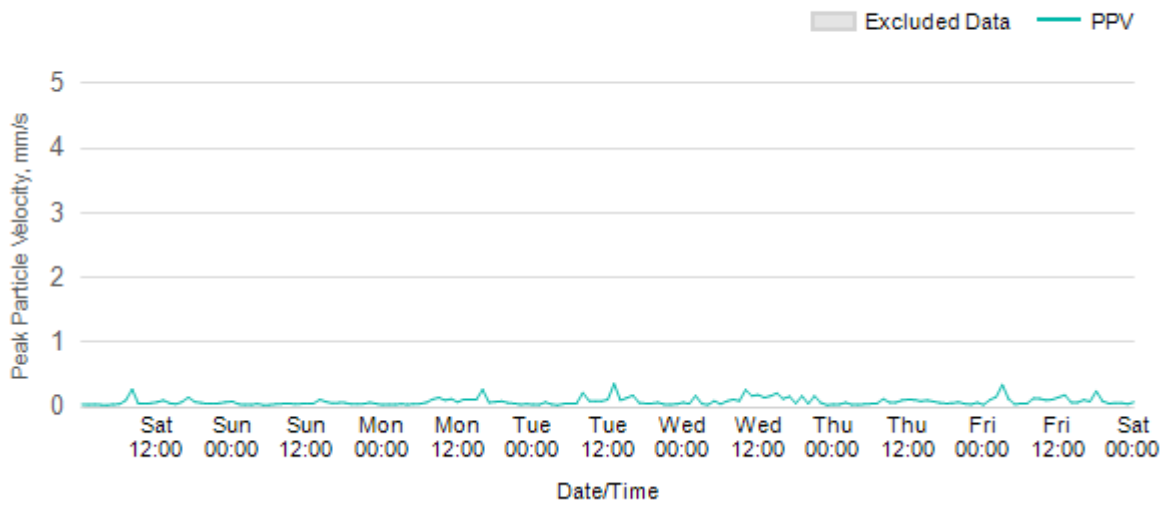


Worksite: Euston Approaches - Monitoring Ref: V039

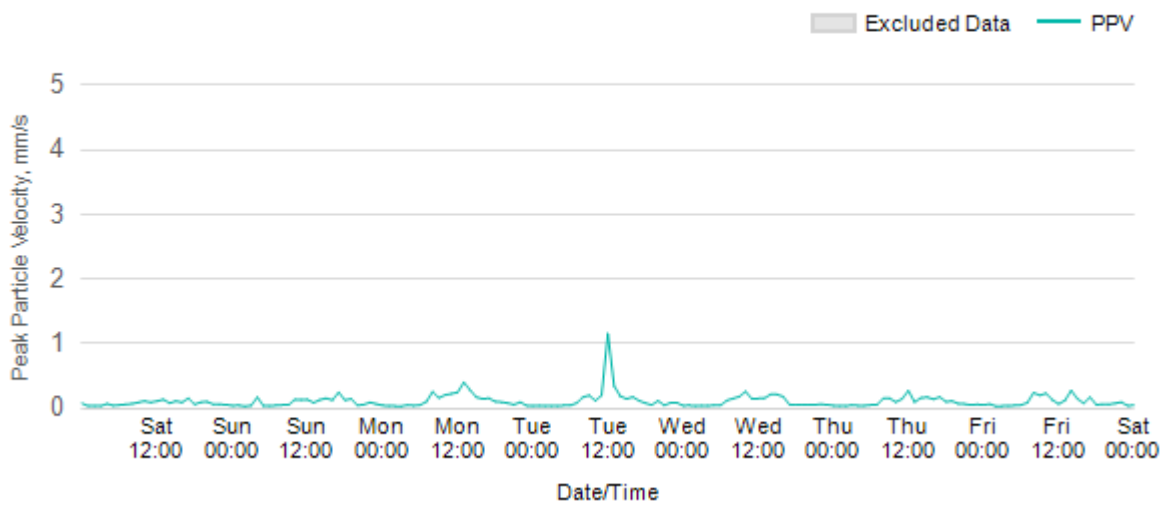
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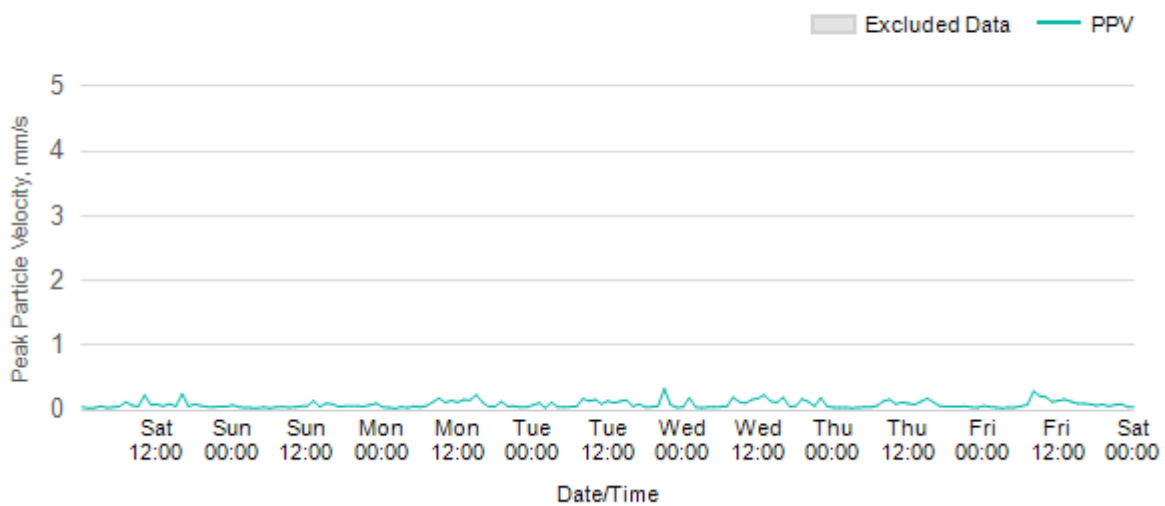
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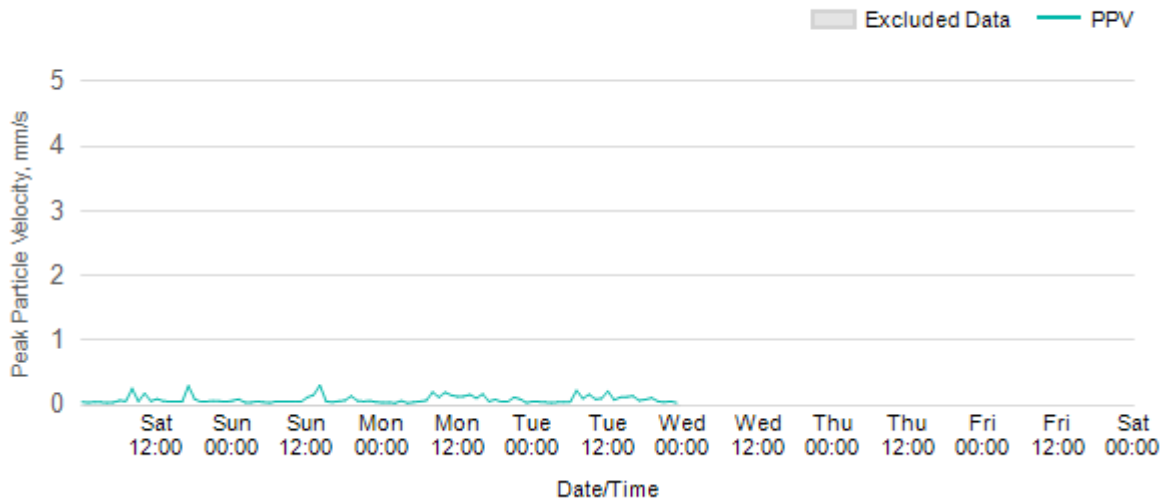
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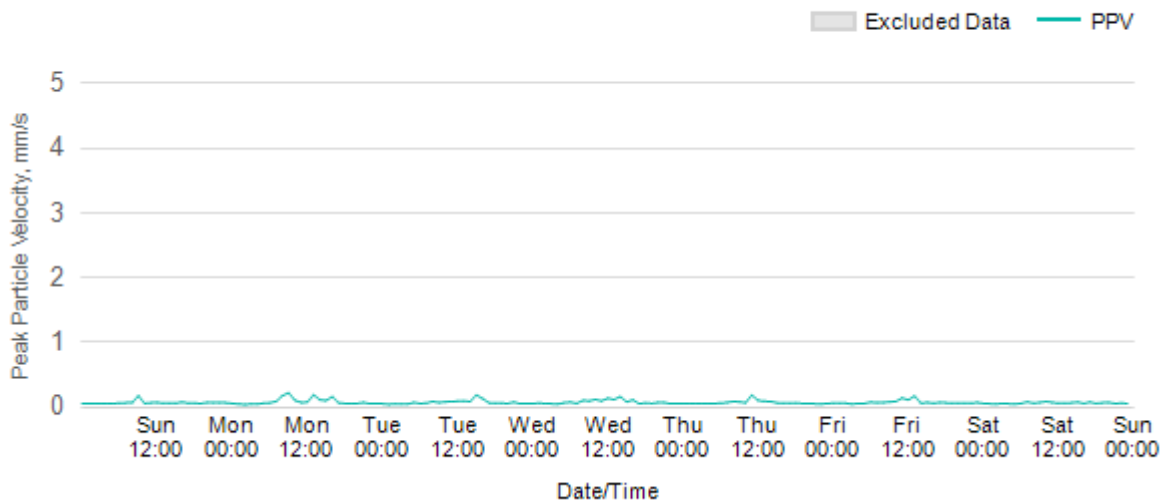


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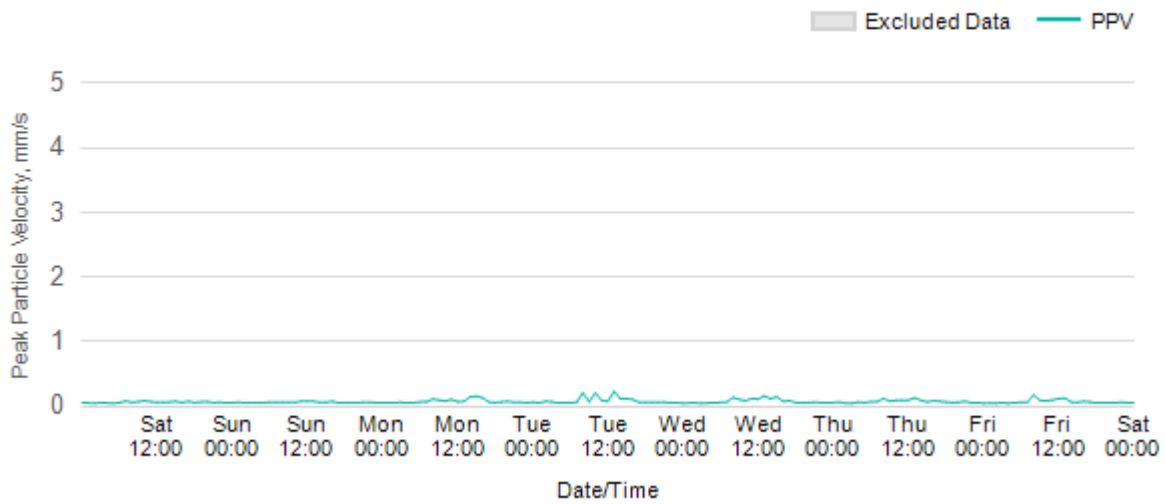


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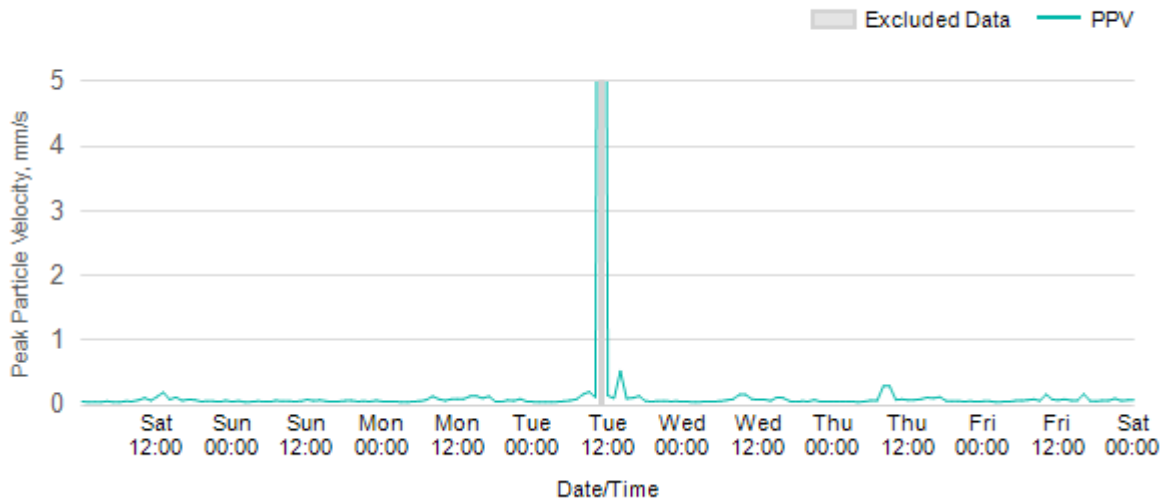
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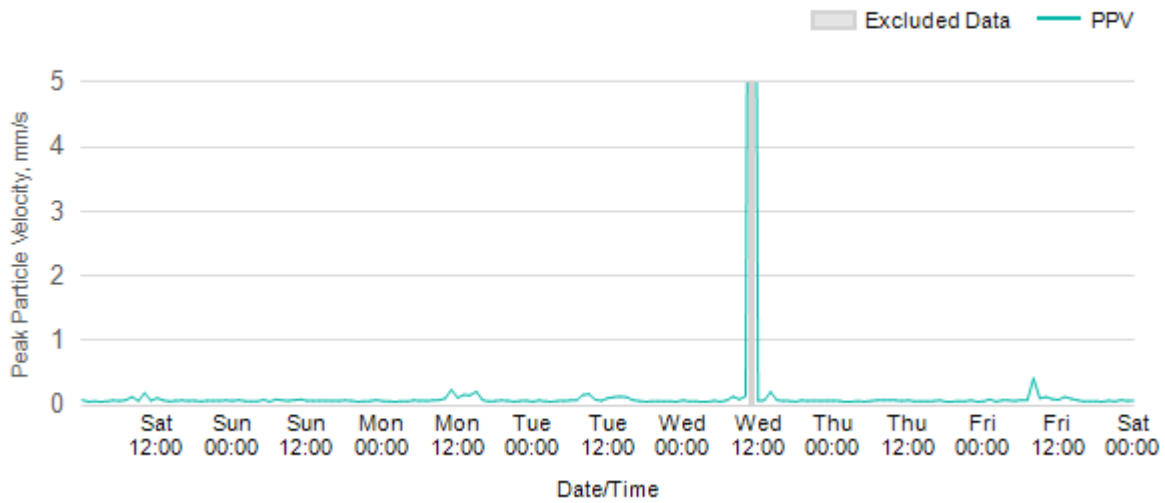
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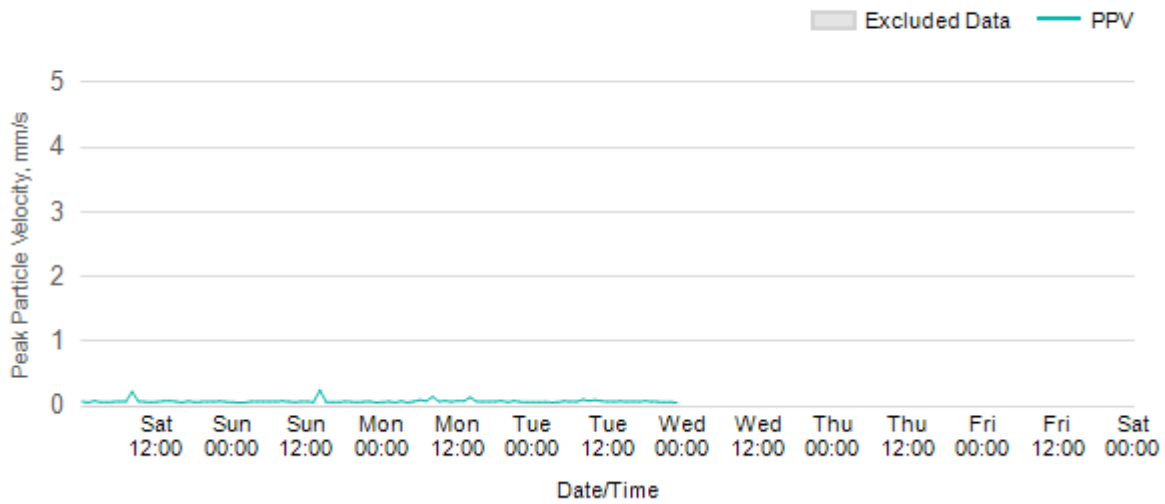
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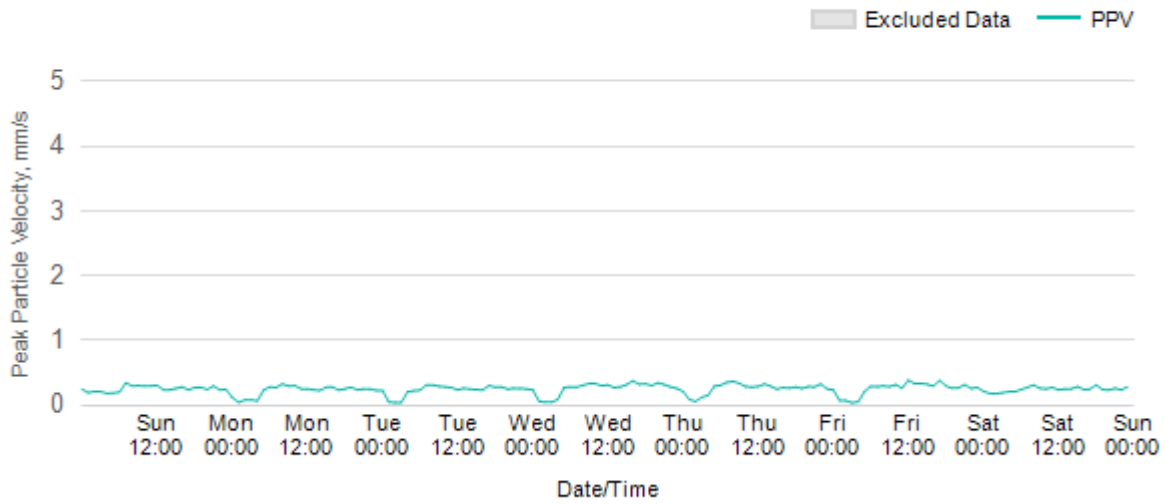


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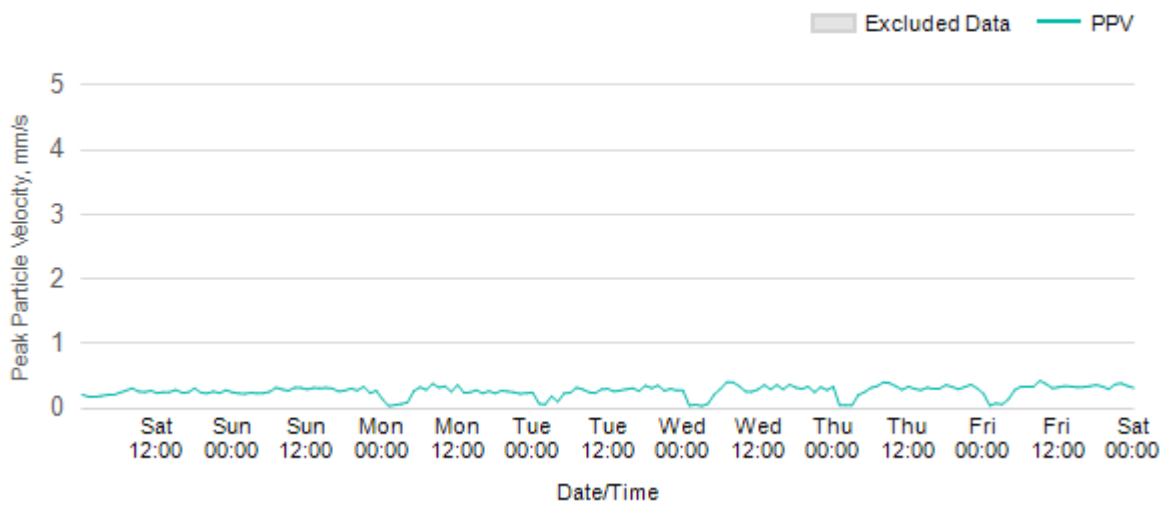


Worksite: UN - Monitoring Ref: V060

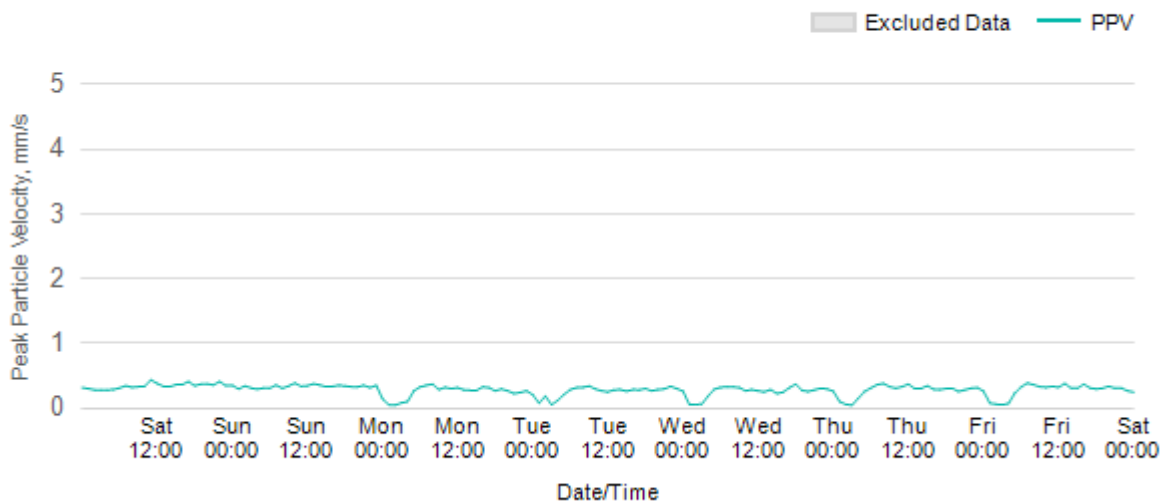
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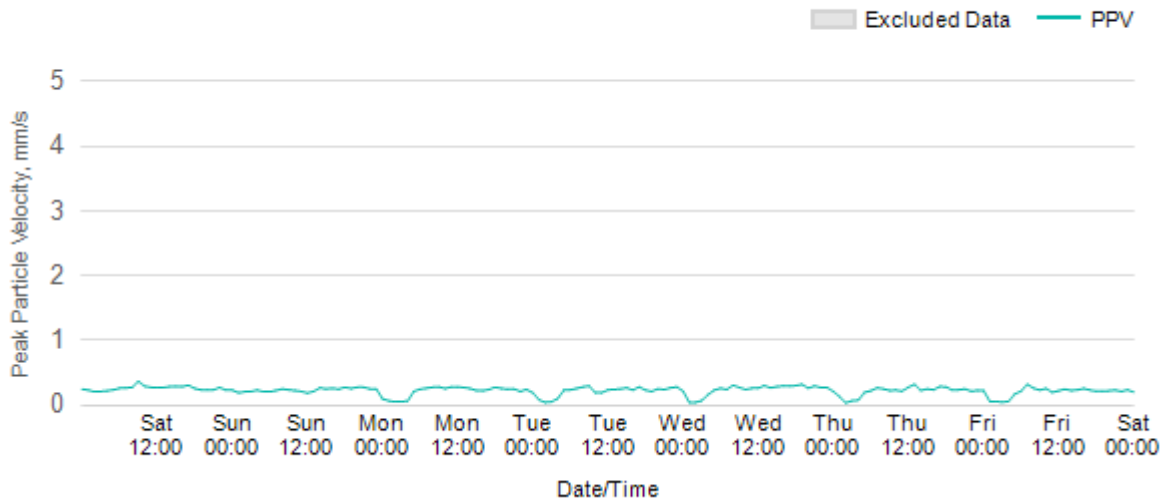
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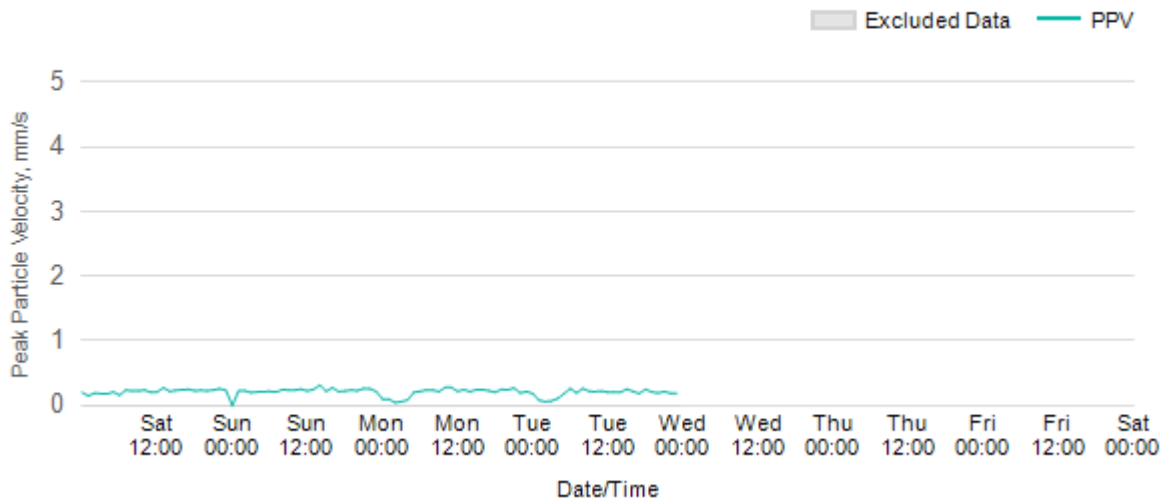
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Worksite: UN Monitoring Ref: V060 22 March 2026 to 28 March 2026

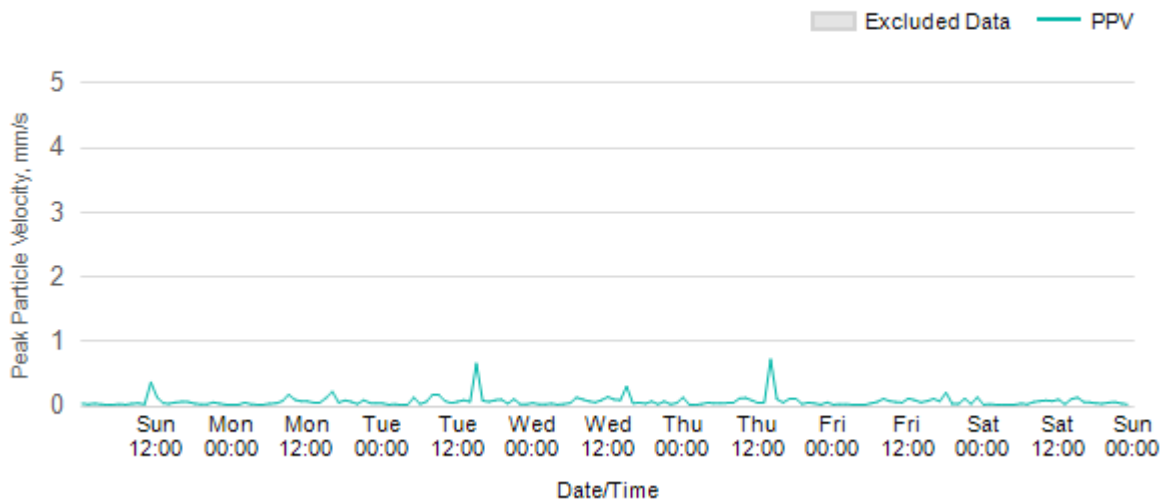


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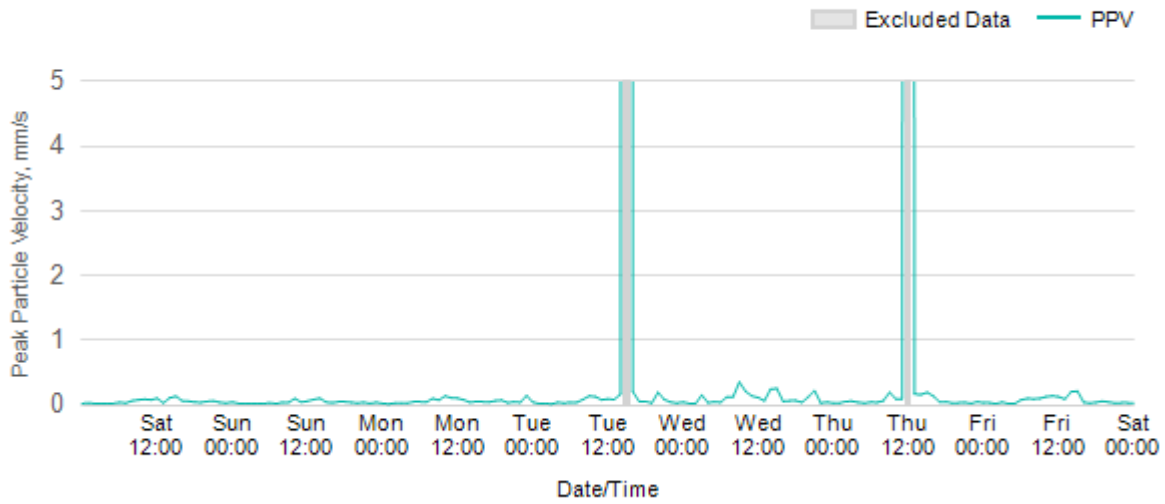


Worksite: Euston Approaches - Monitoring Ref: SH-V001

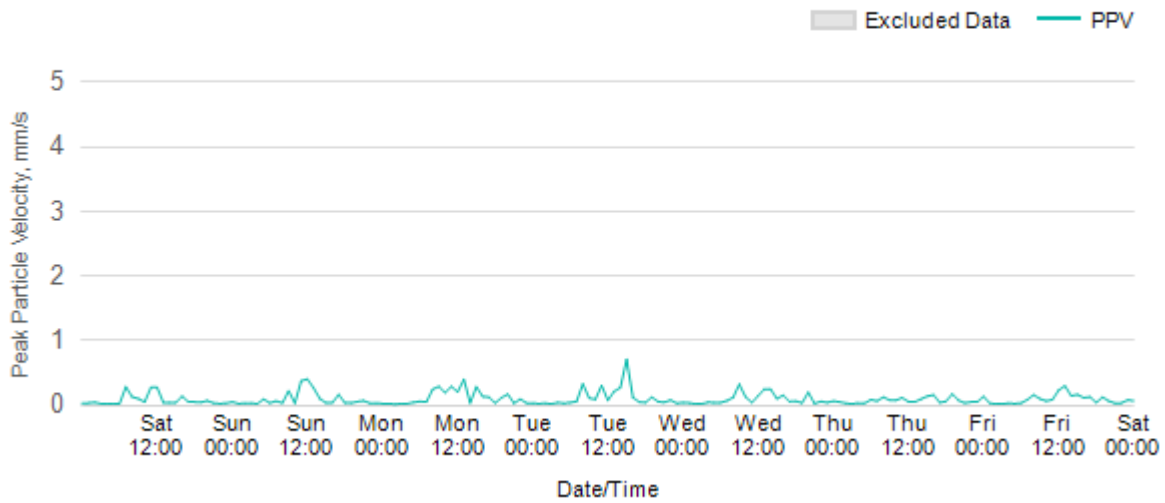
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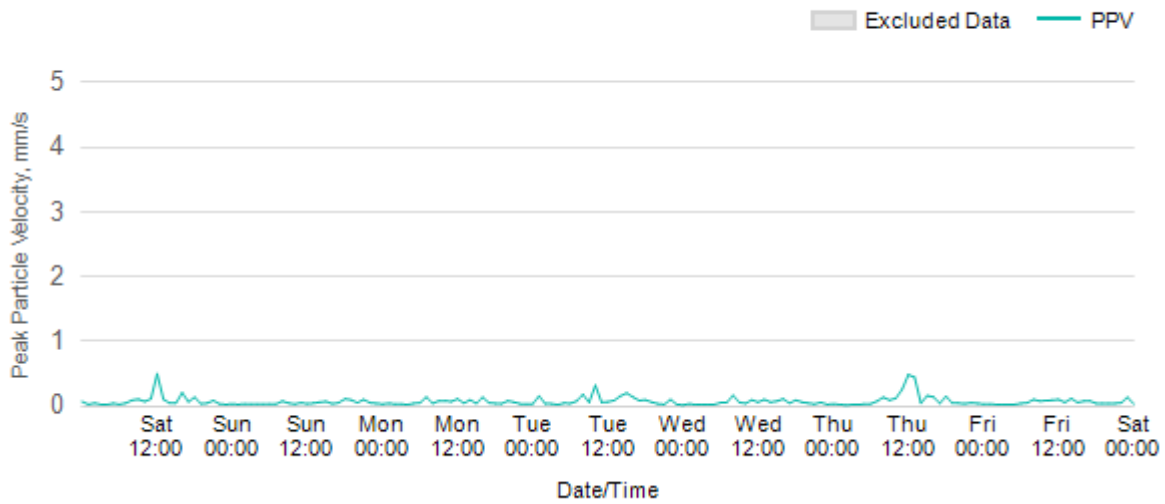
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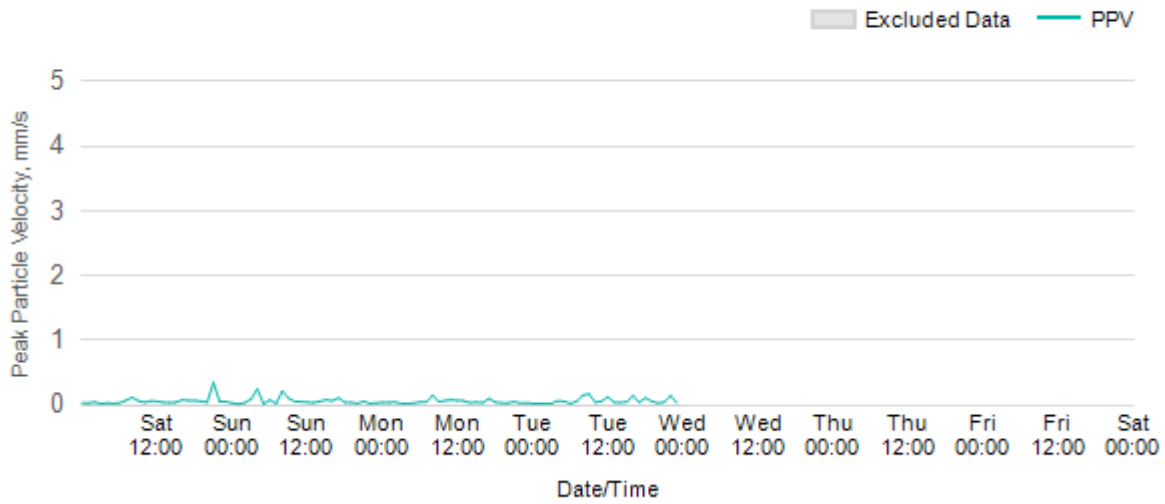
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Worksite: Euston Approaches Monitoring Ref: SH-V001 22 March 2026 to 28 March 2026

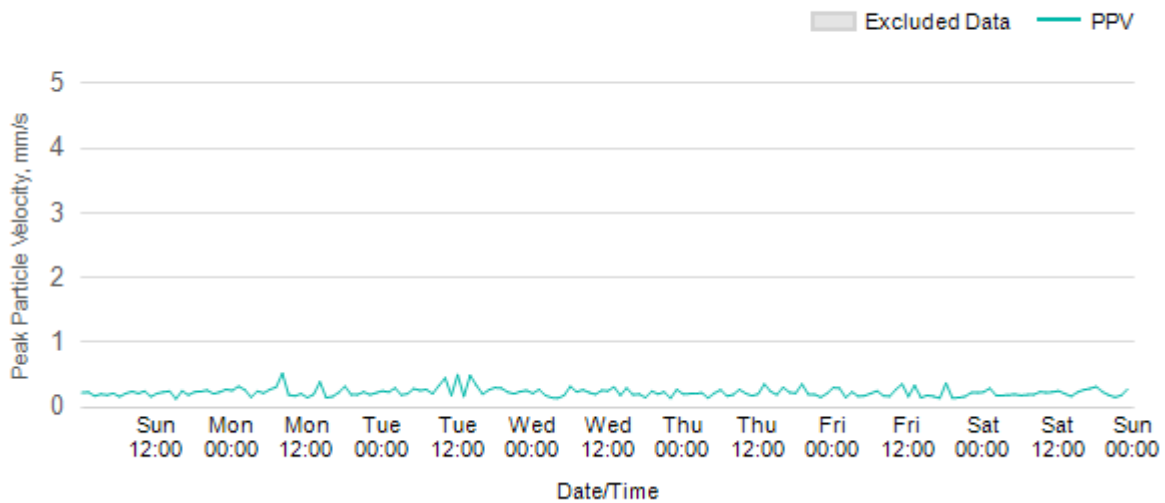


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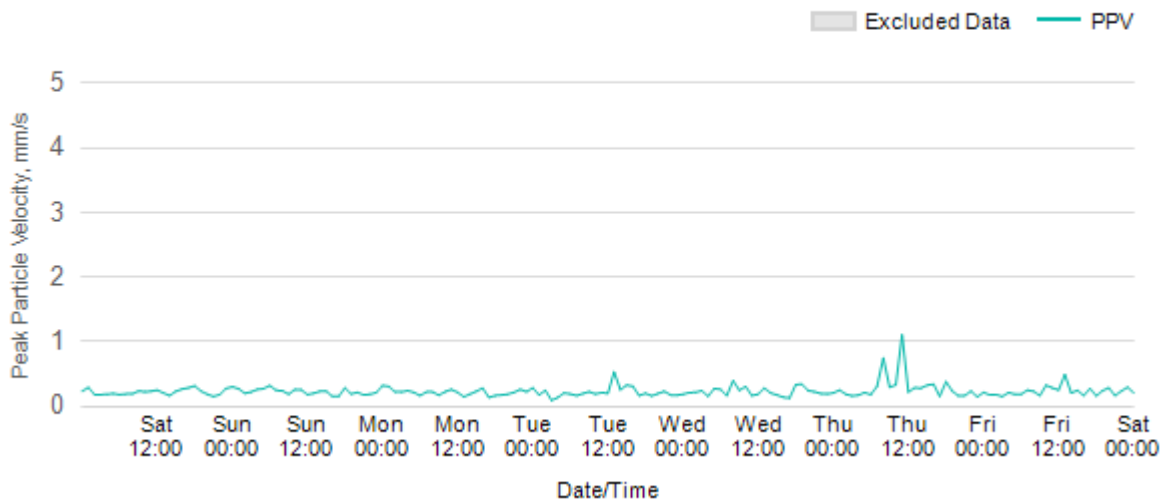


Worksite: Euston Approaches - Monitoring Ref: PVS-V001

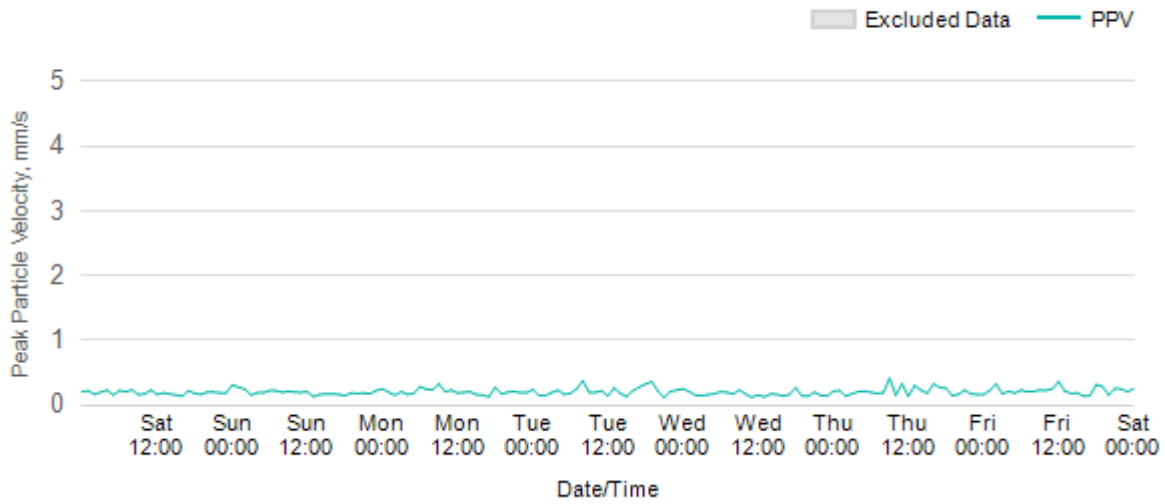
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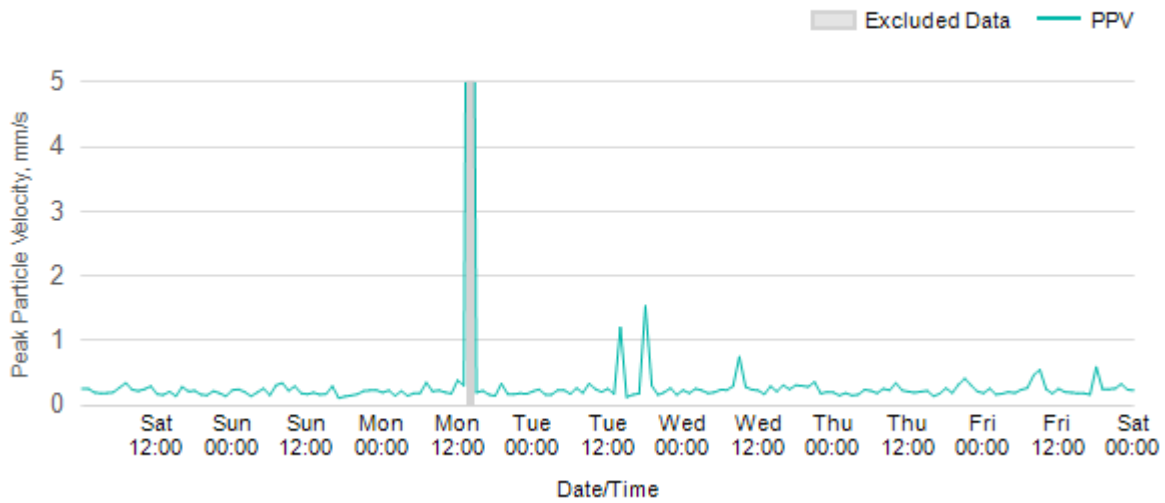
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Worksite: Euston Approaches Monitoring Ref: PVS-V001 15 March 2026 to 21 March 2026



Worksite: Euston Approaches Monitoring Ref: PVS-V001 22 March 2026 to 28 March 2026



Worksite: Euston Approaches Monitoring Ref: PVS-V001 29 March 2026 to 4 April 2026

