ENVIRONMENTAL NOISE ASSESSMENT
PLANT HILL ROAD
BLACKLEY, MANCHESTER
IRWELL VALLEY HOMES
ENA-22522A-23-34
JANUARY 2023



ENVIRONMENTAL NOISE ASSESSMENT
JURBY AVENUE
BLACKLEY, MANCHESTER
IRWELL VALLEY HOMES
ENA-22522A-23-33
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SECTION 1 INTRODUCTION

1.1 Irwell Valley Homes are applying for planning permission to develop a former police station, located at the junction of Plant Hill Road and Bank House Road in Blackley, Manchester. The site lies within the administrative district of Manchester City Council (MCC).

1.2 The site occupies an area of approximately 0.19 hectares and development proposals comprise 12 No. residential dwellings, each with one dedicated parking space. A proposed development layout is presented in Appendix 1.

1.3 IDOM Merebrook Limited (IDOM) has been commissioned by Irwell Valley Homes to undertake an environmental noise assessment to advise on the ambient noise levels and any constraints these may pose on the proposed end use.

1.4 The objectives of the investigation are to:

i. Undertake a site walkover and noise survey to determine the ambient noise climate at the site and its surroundings;

ii. Assess the existing noise climate in relation to the National Planning Policy Framework (NPPF), associated Planning Practice Guidance and the Noise Policy Statement for England (NPSE) to determine constraints on potential future users of the site;

iii. Assess the potential for noise emission from the development and its impact on existing and proposed receptors; and

iv. Provide discussion on the findings of the investigation and indicate solutions for any identified issues.

1.5 This report relates solely to the ingress of externally generated environmental noise with regard to the preliminary development proposals.

1.6 This report has been prepared for Irwell Valley Homes for the sole purpose described above and no extended duty of care to any third party is implied or offered. Third parties making reference to the report should consult Irwell Valley Homes and IDOM as to the extent to which the findings may be appropriate for their use.

SECTION 2 SITE SETTING

2.1 INTRODUCTION

2.2 The site is located at the junction of Plant Hill Road and Bank House Road in Manchester, M9 8LX. The site is located at approximate National Grid Reference (NGR) 385185, 403447 as indicated on drawing 22522b-001-001 in Appendix 1.

2.3 The site is currently occupied by a disused former Police Station. It is bound by Prospect House Primary School to the north, Bank House Road to the west with residential properties beyond and Plant Hill Road to the south with Plant Hill Clinic beyond. The eastern boundary of the site is formed by mature trees with soft landscaping beyond associated with the Co-op Academy secondary school.

2.1.1 Figure 1 below sets out recent satellite imagery of the site and the surrounding land uses and shows the position of the recent noise monitoring locations.

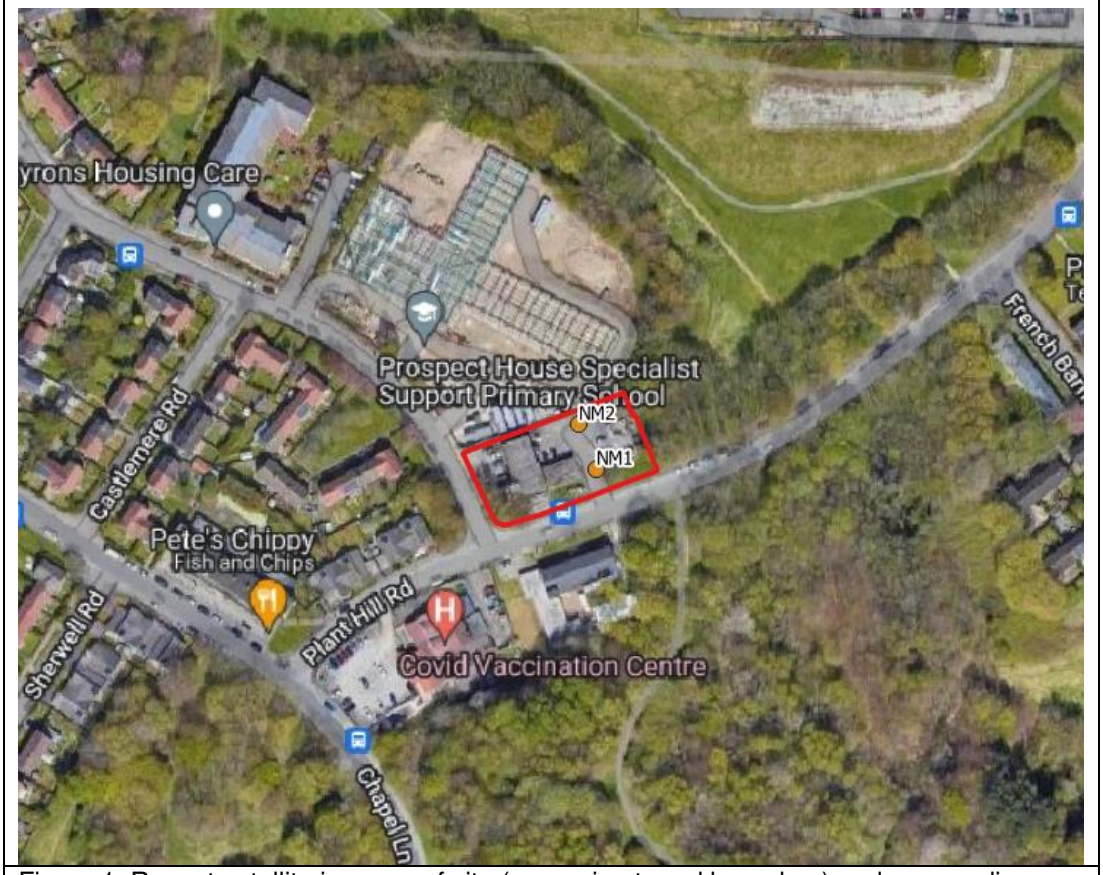


Figure 1: Recent satellite imagery of site (approximate red boundary) and surrounding land.

2.1.2 Based on the site visit, the primary noise source affecting the site is road traffic from Plant Hill Road which was particularly busy during 'school run' times. Intermittent noise was recorded from voices from children at both the Prospect House Primary

Specialist School and the Co-op Academy Secondary School, located immediately to the north and to the northeast respectively.

2.1.3 Figure 2 below shows the existing site layout and the noise monitoring positions.

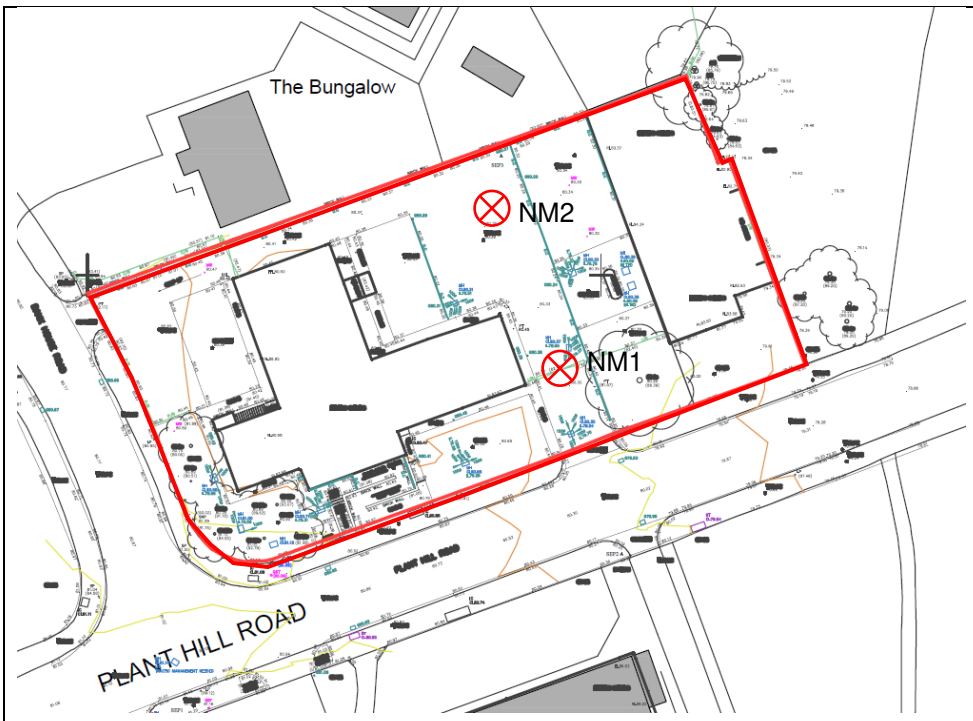


Figure 2: Extract from existing site plan with noise monitoring positions

2.2 SENSITIVE RECEPTORS

2.2.1 Existing sensitive receptors in the vicinity of the site include:

i. Staff and students at Prospect House Primary School to the north of the site;

ii. Plant Hill Clinic to the south of the site;

iii. Staff and students at the Co-op Academy Secondary School to the northwest; and

iv. Residential properties to the west of the site.

2.2.2 The development proposals will introduce new sensitive residential receptors. Other than during the construction phase, the proposed development is not considered to be significantly noise-generating.

SECTION 3 LEGISLATIVE CONTEXT AND ASSESSMENT CRITERIA

3.1 LEGISLATIVE CONTEXT

3.1.1 The NPPF came into force in March 2012 and was updated in February 2019 and again in July 2021. With regard to acoustic design and noise control, the NPPF provides a set of overarching aims, broadly reflecting those already contained in NPSE. They are directed towards the avoidance of significant adverse impacts and reduction of other adverse impacts on health and quality of life set within the context of the Government's policy on sustainable development. Clause 174, Point E of the NPPF states the following:

"Planning Policies and decisions should contribute to and enhance the natural and local environment by…preventing new and existing developments from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air water or noise pollution or land instability."

3.1.2 Clause 185 of the NPPF continues to state the following:

"*Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:*

i. Mitigate and reduce to a minimum, potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and quality of life;

II. Identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason."

3.2 PLANNING PRACTICE GUIDANCE

3.2.1 In March 2014, Planning Practice Guidance was published to support the interpretation of the NPPF and this was updated in October 2019. The updated guidance sets out consideration of noise impact and sets out a noise impact hierarchy summarised below.

Table 1: Noise Exposure Hierarchy Based on Likely Average Response

RESPONSE	EXAMPLES OF OUTCOMES	INCREASING EFFECT LEVEL	ACTION
No Observed Effect Level			
Not present	No Effect	No Observed Effect	No specific measures required
Present and not intrusive	Noise can be heard, but does not cause any change in behaviour, attitude or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a change in the quality of life.	No Observed Adverse Effect	No specific measures required
Lowest Observed Adverse Effect Level			
Present and intrusive	Noise can be heard and causes small changes in behaviour, attitude or other physiological response, *e.g.* turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a small actual or perceived change in the quality of life.	Observed Adverse Effect	Mitigate and reduce to a minimum
Significant Observed Adverse Effect Level			
Present and disruptive	The noise causes a material change in behaviour, attitude or other physiological response, *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.	Significant Observed Adverse Effect	Avoid
Present and very disruptive	Extensive and regular changes in behaviour, attitude or other physiological response and / or an inability to mitigate effect of noise leading to psychological stress, e.g. regular sleep deprivation / awakening; loss of appetite, significant, medically definable harm, *e.g.* auditory and non-auditory	Unacceptable Adverse Effect	Prevent

3.3 PROFESSIONAL PRACTICE GUIDANCE ON PLANNING AND NOISE

3.3.1 In May 2017 professional practice guidance (ProPG[1]) was published on planning and noise, focusing on good acoustic design, achievement of suitable internal and external noise levels and consideration of other relevant issues. Good acoustic design is aimed at delivering the optimum acoustic outcome for a particular site.

[1] ProPG overseen by Working Group involving the Association of Noise Consultants, Institute of Acoustics, and Chartered Institute of Environmental Health together with practitioners from a planning and local authority background.

3.3.2 The ProPG guidance follows the principles of the national planning requirements and various British Standards and provides further detail on how to consider noise appropriately in new residential development. This assessment is cognisant of the principles of the ProPG guidance.

3.4 ACOUSTICS VENTILATION AND OVERHEATING: RESIDENTIAL DESIGN GUIDE (JAN 2020)

3.4.1 The AVO Guide sets out an approach to take due regard of the interdependence of provisions for acoustics, ventilation and overheating. Application of the AVO Guide is intended to demonstrate good acoustic design as described in ProPG when considering internal noise level guidelines.

3.5 APPROVED DOCUMENT O

3.5.1 Approved Document O (AD O) was released in the final quarter of 2021 and came into force for new Building Regulation applications from 15 June 2022. Approved Document O: Overheating applies to new residential buildings and is the first Building Regulation that considers the regulation of night-time noise in bedrooms.

3.5.2 The purpose of AD O is to protect the health and welfare of occupants of the buildings by reducing the occurrence of high indoor temperature. AD O is split into two requirements. O1 concerns overheating mitigation and sets out the following requirements:

(1) Reasonable provision must be made in respect of a dwelling, institution or any other building containing one or more rooms for residential purposes, other than a room in a hotel ("residences") to-

i. Limit unwanted solar gains in summer;

ii. Provide an adequate means to remove heat from the indoor environment.

In meeting the obligations in paragraph (1)-

i. Account must be taken of the safety of any occupant, and their reasonable enjoyment of the residence; and

ii. Mechanical cooling may only be used where insufficient heat is capable of being removed from the indoor environment without it.

3.5.3 Section 3.2 to 3.4 of AD O sets out the suitability of an overheating mitigation strategy to ensure that external noise levels are considered. Sections 3.2 and 3.3 state:

In locations where external noise may be an issue (for example, where the local planning authority considered external noise to be an issue at the planning stage), the overheating mitigation strategy should take account of the likelihood that windows will be closed during sleeping hours (11pm to 7am).

Windows are likely to be closed during sleeping hours if noise within bedrooms exceeds the following limits.

i. 40 dB $L_{Aeq,T}$, averaged over 8 hours (between 11pm and 7am).

ii. 55 dB L_{AFmax}, more than 10 times a night (between 11pm and 7am).

3.6 OTHER RELEVANT PLANNING POLICY

3.6.1 The *Manchester City Council Core Strategy Development Plan Document*[2] was adopted in 2012 and includes policy C10: Leisure and the Evening Economy and DM1: Development Management. Both of these policies specifically mention noise as follows.

Policy C10:

"…. *Residential use should not create an unacceptable impact on neighbouring uses in terms of noise, traffic and disturbance.*…"

Policy DM1:

"*All development should have regard to the following specific issues…Effects on amenity, including privacy, light, noise, vibration, air quality, odours, litter, vermin, birds, road safety and traffic generation. This could also include proposals which would be sensitive to existing environmental conditions, such as noise.*"

3.7 ENVIRONMENTAL NOISE ASSESSMENT CRITERIA

3.7.1 This report uses British Standard benchmark criteria as part of the assessment process. The following section sets out the relevant benchmark standards that have been applied.

3.7.2 In this context, sensitive receptors are considered to be future residents of the new development.

3.7.3 BS 8233:2014 '*Guidance on Sound Insulation and Noise reduction for Buildings*' defines a range of ambient noise levels for design purposes, in order that appropriate conditions are achieved in certain internal environments.

3.7.4 Table 2 reproduces guideline values from Table 2 of BS 8233:2014 with the relevant design criteria for residential dwellings. It is considered that satisfactory internal noise levels would be achieved provided that the aural environment in habitable rooms meets the BS 8233:2014 design criteria.

[2] Manchester's Local Development Framework, Core Strategy, Manchester City Council (2012)

Table 2: BS 8233:2014 Indoor ambient noise levels for dwellings

ACTIVITY	LOCATION	TIME RANGE	
		07:00 to 23:00 Daytime	23:00 to 07:00 Night-Time
Resting	Living Room	35 dB $L_{Aeq, 16hr}$	-
Dining	Dining Room / Dining Area	40 dB $L_{Aeq, 16hr}$	-
Sleeping (daytime resting)	Bedroom	35 dB $L_{Aeq, 16hr}$	30 dB $L_{Aeq, 8hr}$

3.7.5 The windows and any trickle ventilators are usually the acoustic weak point of a brick and block façade. If it is necessary to rely on closed windows to meet the guideline values, BS8233 notes that there must be an alternative form of ventilation that does not compromise the façade insulation or the resulting noise level.

3.7.6 Night-time noise events can be significant in causing sleep disturbance. No specific guidance is presented in BS 8233:2014 regarding a noise limit applicable to maximum night-time noise. In line with ProPG Guidance, as part of this assessment the character and number of night-time noise events will be considered in a qualitative manner with an internal $L_{Amax, F}$ of 45 dB used as an initial screening tool to identify night-time noise events that may be of significance to sleeping conditions in bedrooms. ProPG Guidance suggests that individual noise events should not exceed 45 dB L_{AFmax} more than ten times a night.

3.7.7 The development proposals include private garden areas which, in accordance with good acoustic design principles, are positioned at the rear side of the properties thereby benefitting from screening from road noise by the new buildings themselves. BS 8233:2014 states that for traditional residential external areas that are used for amenity space, such as gardens and patios, it is desirable that the external noise levels do not exceed 50 dB $L_{Aeq, T}$ with an upper guideline value of 55 dB $L_{Aeq, T}$ which would be acceptable in noisier environments. It is considered that given the setting of the site, the 50 dB criterion would be desirable.

SECTION 4 ENVIRONMENTAL NOISE MEASUREMENT - MONITORING METHODOLOGY

4.1 MONITORING SURVEY

4.1.1 The existing ambient noise climate has been assessed by noise measurement survey using unattended continuous fixed monitoring (NM1) and also attended short-term monitoring (NM2).

4.1.2 The noise survey was undertaken on 17th and 18th of January 2023 including samples from the night-time and daytime periods. The unattended noise monitoring at NM1 started at 15:05 on the 17th of January and finished at 13:12 on the 18th of January. The attended noise monitoring of NM2 started at 11:50 on the 18th of January and finished at 18:50 on the 18th of January.

4.1.3 The measurement survey was undertaken on weekdays during school term time.

4.2 **NOISE MEASUREMENT**

4.2.1 The field monitoring positions are shown in Figures 1 and 2 above and co-ordinates by mobile GPS are provided below.

i. Position NM1 was located on the southern boundary of the site, approximately 9.9 m from Plant Hill Road (lat 53.52736, long 2.22457).

ii. Position NM2 was located in the northern section of the site, approximately 16.6 m from NM1 (lat 53.52751, long 2.22487.

4.2.2 The locations of monitoring positions NM1 and NM2 are shown in Figure 3 - 4 below.



Figure 3: NM1 approx. 9.9 m from the edge of the road (north facing).



Figure 4: NM2 monitoring location (north western facing)

4.3 NOISE MONITORING EQUIPMENT

4.3.1 Sound level measurements were undertaken with the use of the following Class 1 Sound Level Meter:

i. NM1: Casella CEL-63X Sound Level Meter (serial number: 4278102) fitted with a Casella CEL-251 microphone (serial number: 1424) and a Casella CEL-495 preamplifier (serial number: 005352). Laboratory calibration was last carried out in June 2022.

ii. NM2: Casella CEL-63X Sound Level Meter (serial number: 873560) fitted with a Casella CEL-251 microphone (serial number: 00818) and a Casella CEL-

495 preamplifier (serial number: 3339). Laboratory calibration was last carried out in September 2022.

iii. The Casella Sound Level Meters were calibrated in the field with a Casella CEL-120/1 calibrator (serial number: 2621477) with a reference level of 94 dB at 1000 Hz, immediately before and after each measurement with no significant drift in calibration level noted. The calibrator was last calibrated in the laboratory in June 2022.

4.3.2 Copies of all the calibration certificates can be provided upon request.

4.4 NOISE MONITORING CONDITIONS

4.4.1 Noise monitoring measurement at NM1 and NM2 was made at 2.3 and 1.2 metres above ground level respectively in a free field environment. A windshield was fitted for all measurements.

4.4.2 Weather conditions during the survey on 17 and 18 January 2023 were appropriate for noise monitoring and were cold and dry with no discernible wind. A very light dusting of snow was present on 18th January, however this was not considered sufficient to significantly impact measurements and road traffic appeared to be running as usual.

4.4.3 Full details of the monitoring and notes on the noise sources identified are presented on field monitoring records in Appendix 2.

SECTION 5 ENVIRONMENTAL MONITORING RESULTS – EXISTING BASELINE

5.1 QUALITATIVE DESCRIPTION OF NOISE CLIMATE

5.1.1 The dominant noise source affecting the site was road traffic from Plant Hill Road. Occasional birdsong was noted throughout the day. The Co-op academy school finishes at 15:00 which led to a significant increase of traffic and pedestrian noise on Plant Hill Road.

5.1.2 The field monitoring records are presented in Appendix 2.

5.2 ACOUSTIC MEASUREMENT RESULTS

5.2.1 The results of the noise monitoring are summarised in Table 3 below and the sound level meter data is presented in Appendix 3.

Table 3: Summary of Noise Monitoring data

		DURATION	$L_{Aeq,15min}$ (dB)		$L_{AFmax,1min}$ (dB)		$L_{A90,15min}$ (dB)
			RANGE	LOG AVERAGE	RANGE	11th loudest	RANGE
NM1	DAY	13.25h	51 - 69	**60.9**	-	-	40 - 55
	NIGHT	8h	41 - 58	**51.9**	35 - 85	**74**	34 - 51
NM2	DAY	7h	50 - 62	**54.0**	-	-	44 - 48

5.2.2 Measured noise levels at each of the noise monitoring positions are presented graphically in Appendix 4.

5.2.3 It is noted that two periods of data have been removed from the daytime dataset as these were influenced by noise from the IDOM officer entering / exiting site via the gates.

SECTION 6 ASSESSMENT OF ENVIRONMENTAL NOISE RESULTS

6.1 INTRODUCTION

6.1.1 The proposed development of the site will introduce sensitive residential receptors to an environment which is impacted by road traffic noise.

6.1.2 As set out in Section 3.5, it is considered that satisfactory internal sound levels will be achieved provided the aural environment in habitable rooms meets the BS 8233 design range, so that there are no significant adverse effects from noise. In addition, it is considered that the steady sound level should not exceed 50 dB $L_{Aeq,T}$ in external amenity areas.

6.2 OUTDOOR AMENITY AREAS

6.2.1 The proposed development plan provides private gardens for each of the residential houses as shown in the drawing extract below. For those houses closest to the road network, good acoustic design principles have been adopted whereby the gardens have been placed on the quieter shielded side of the property.



Figure 4: Extract from proposed development plans showing noise monitoring locations and recommendations for acoustic fencing in blue

6.2.2 The log average daytime noise level L_{Aeq} as measured at NM1 was 61 dB, whereas at NM2 set further back into the site, the log average daytime noise level L_{Aeq} was 54 dB.

6.2.3 The gardens will be set slightly further back from the road (than NM1) and where the new properties shield the garden from road noise, then noise levels are expected to be within the 50 dB criterion. It will be necessary to use acoustic fencing to fill the gaps between the properties where screening by buildings is interrupted and to wrap around the periphery of the properties as illustrated in Figure 4 above. A close boarded timber fence (with no gaps) 1.8 m high would be considered sufficient to ensure a suitable noise environment for residential amenity.

6.3 NIGHT-TIME STANDARDS IN BEDROOMS

6.3.1 Tables 4 and 5 illustrate the night-time acoustic insulation performance requirements required in order to meet BS8233 benchmark standards for bedrooms. The tables show data for NM1 and calculated noise levels at the road-facing façades which are closer to the road than the monitoring position. Indicative calculations have also been provided for the rear façade of these units which is at greater distance from the road and will benefit from building screening. The calculations use standard acoustic formulae assuming a line source for steady road noise and a point source for individual noise events.

Table 4: Night-time acoustic reduction requirements for bedrooms based on log average noise L_{Aeq}

LOCATION	PERIOD	EXTERNAL NOISE LEVEL (dB)	INTERNAL TARGET CRITERIA (dB)	SOUND REDUCTION REQUIRED (dB)
NM1	Night time ($L_{Aeq, 8hour}$)	**51.9**	**30**	22
Road-facing Facades		**54.5**		24.5
Rear façade of road facing Plots including 10 dB deduction for building screening		**39.3**		9.3

6.3.2 In addition, as night-time noise is a factor in sleep disturbance, it is also appropriate to consider individual noise events at night. L_{AFmax} noise events were recorded up to 85 dB at NM1. It is noted that this noise maximum occurred at 06:39 in the morning towards the end of the night-time period. In line with ProPG guidance, the 11th loudest night-time noise event (73.6 dB $L_{Afmax,1min}$) from the continuous monitoring has been used as the basis of this assessment.

Table 5: Night-time acoustic reduction requirements for bedrooms based on maximum noise $L_{Af\ max,1\ min}$ over a whole night-time period.

LOCATION	PERIOD	EXTERNAL NOISE LEVEL (dB)	INTERNAL TARGET CRITERIA (dB)	SOUND REDUCTION REQUIRED (dB)
NM1	Night time (L_{Afmax})	**73.6**	**45**	28.3
Road-facing Facades		**76**		31
Rear façade of road facing Plots including 10 dB deduction for building screening		**61**		16

6.3.3 For all facades, the acoustic performance of standard double-glazed units is considered to provide sufficient noise attenuation to ensure suitable internal noise levels in bedrooms at night. Internal noise criteria, particularly on the road-facing facades, will only be achieved if the windows are ordinarily closed. If windows are partially open, then internal noise criteria will not be met as a partially open window only affords approximately 13 dB noise attenuation from outside to inside.

6.3.4 The design of the ventilation strategy and assessment of summer overheating risk must take account of these acoustic constraints.

6.4 DAYTIME STANDARDS IN LIVING ROOMS

6.4.1 Table 6 sets out the daytime acoustic insulation performance requirements for the glazing units in living rooms based on measured L_{Aeq} data.

Table 6: Daytime acoustic reduction requirements for living rooms based on log average noise L_{Aeq}

LOCATION	PERIOD	EXTERNAL NOISE LEVEL (dB)	INTERNAL TARGET CRITERIA (dB)	SOUND REDUCTION REQUIRED (dB)
NM1	Day time ($L_{Aeq, 16hour}$)	**60.9**	**35**	25.9
Road-facing Facades		**62.1**		27.1
Rear façade of road facing Plots including 10 dB deduction for building screening		**48.3**		13.3
NM2		**54**		19

6.4.2 The acoustic performance of closed standard double glazed units is considered to provide sufficient noise attenuation to ensure suitable internal noise levels during the daytime. If the windows were partially open, then internal noise criteria, particularly on facades fronting the road network, will be exceeded.

6.4.3 The design of the ventilation strategy and assessment of summer overheating risk must take account of these acoustic constraints.

6.5 ACOUSTIC CONSTRAINTS ON VENTILATION STRATEGY

6.5.1 Where facades assume an ordinarily 'closed window' for acoustic mitigation purposes, windows may still be openable for rapid or purge ventilation or for residents' choice but should not remain open for prolonged periods of time. Where trickle vents are included within the glazing, providing passive background ventilation, these should be acoustically treated so as not to form an acoustic weak point. Alternatively, mechanical means of background ventilation may be used.

6.5.2 With regard to noise impact during the overheating condition, an assessment of the potential risk from overheating has been carried out in line with the *Acoustics Ventilation and Overheating: Residential Design Guide*.[3] The assessment has also

[3] AVO Acoustics Ventilation and Overheating: Residential Design Guide, Dated: January 2020

been undertaken in support of an assessment of overheating and ventilation, which is required to be undertaken in accordance with Approved Document O[4].

6.5.3 A preliminary level one assessment for the site has been undertaken in Figure 5 below. The assessment uses representative external free-field noise levels and assumes a partially open window is used to mitigate overheating. The assessment confirms that the use of open windows as a primary means of mitigating overheating is not likely to result in adverse effect for those facades at the rear of the site, however there is an increased risk of adverse effect for the facades fronting the road network.

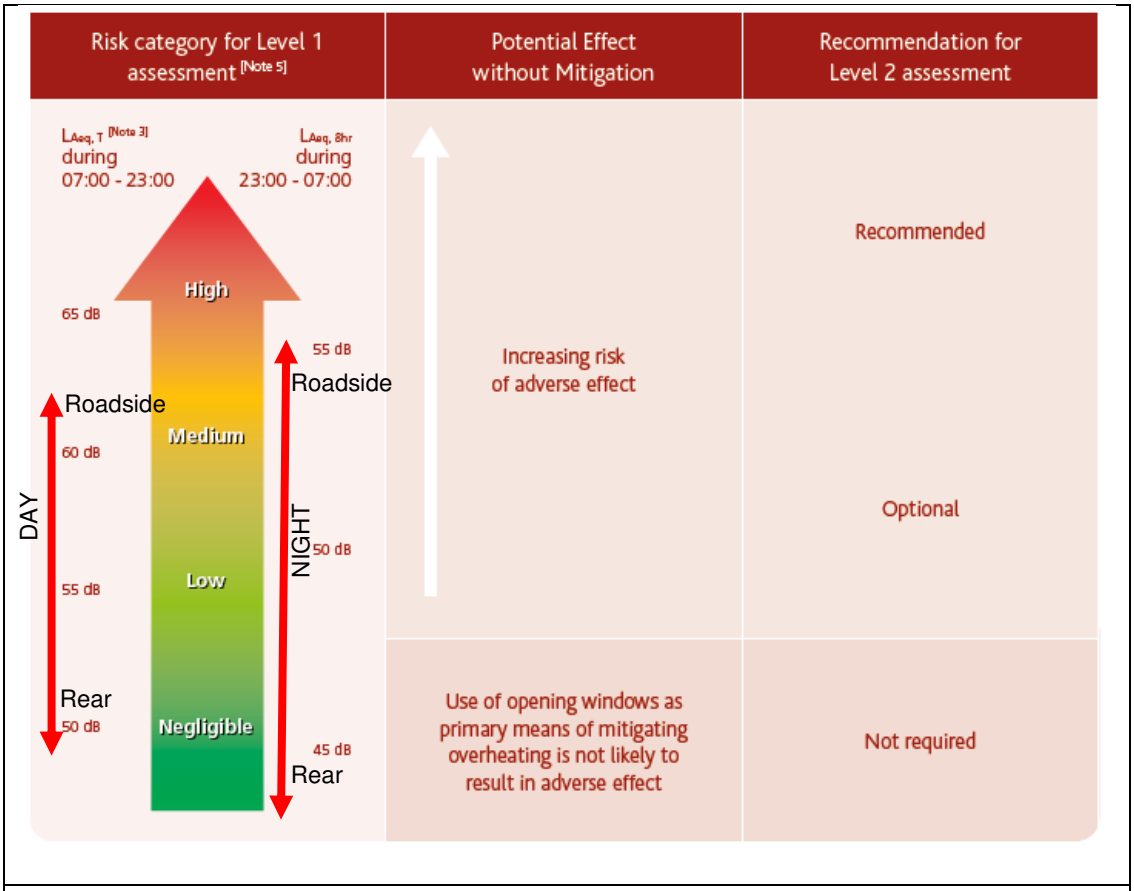
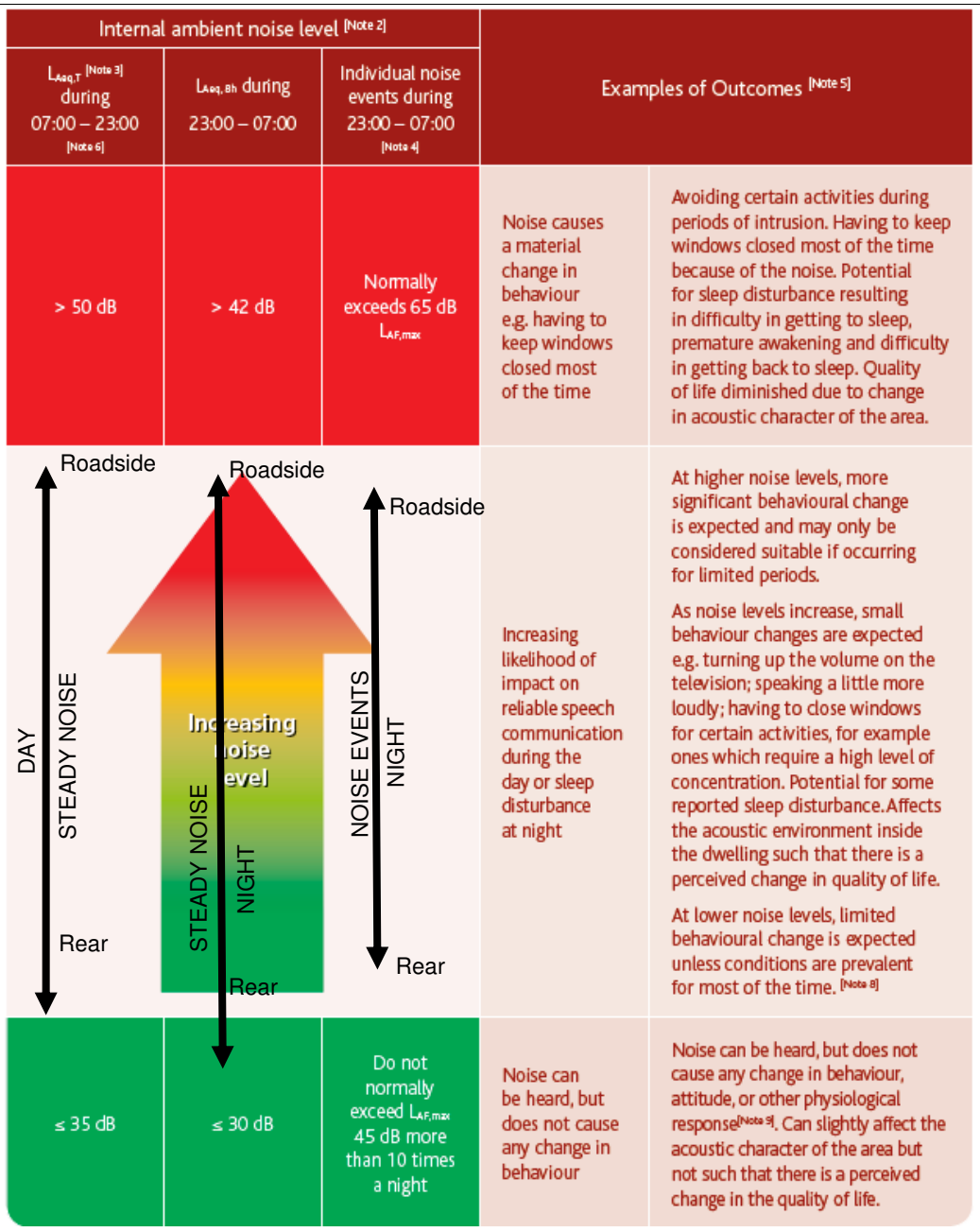


Figure 5: Level 1 site risk assessment of noise from transport noise sources relating to overheating condition. Figure uses external free-field noise levels. Indicative site acoustic conditions denoted by red arrows.

6.5.4 A Level 2 Assessment is presented below and is based on internal ambient noise levels assuming that a partially open window will afford approximately 13 dB attenuation. Level 2 takes account of steady noise sources and also noise events at night which may have the potential for sleep disturbance.

[4] Approved Document O (Overheating) Requirement O1: Overheating mitigation, Regulations 40B. 2021 edition.



Level 2 assessment of noise from transport noise sources relating to the overheating condition. Black arrows denote range of indicative internal noise levels for the site assuming a partially open window.

6.5.5 The purpose of the Level 2 assessment is to assist the wider design team in providing solutions to suitably control external noise ingress in conjunction with adequate ventilation and mitigation of overheating.

6.5.6 Approved Document O notes that the overheating mitigation strategy should take account of the likelihood that windows will be closed during sleeping hours (11pm to 7am) when the following internal noise limits are breached:

i. 40dB $L_{Aeq,T}$, averaged over 8 hours (between 11pm and 7am).

ii. 55dB L_{AFmax}, more than 10 times a night (between 11pm and 7am).

6.5.7 This would apply only to bedrooms on the facades fronting the road network.

6.5.8 The above assessments show that habitable rooms on the road facing facades of the site have been identified as being at the greatest risk of noise impact during the overheating condition when windows are partially open. During the overheating condition, noise on the roadside facades has the potential to cause significant behavioural change, may be a factor in sleep disturbance and may only be considered suitable if occurring for limited periods of time.

6.5.9 At the rear of the site, the assessment confirms that the use of open windows as a primary means of mitigating overheating is not likely to result in adverse effect.

SECTION 7 CONCLUSIONS

7.1 EXTERNAL AMENITY SPACE - GARDENS

7.1.1 For these houses closest to the road, good acoustic design principles have been adopted whereby the gardens have been placed on the quieter shielded side of the property. It will be necessary to use acoustic fencing to fill the gaps between the properties fronting Plant Hill Road where screening by buildings is interrupted and to wrap around the periphery of the properties as illustrated in Figure 4 above. With these measures in place, noise levels in garden areas will be within the required 50 dB benchmark standard.

7.2 GLAZING

7.2.1 This report assumes that the glazing and any trickle ventilators form the weak point of the façade (see also paragraph 3.5.5). The acoustic performance of standard double glazed units is considered to provide sufficient noise attenuation to ensure suitable internal noise levels in all living rooms and bedrooms.

7.3 NIGHT-TIME STANDARDS IN BEDROOMS

7.3.1 Closed standard double glazing will be suitable in bedrooms, but with some constraints for the ventilation strategy for those properties fronting the road network.

7.4 DAYTIME STANDARDS IN LIVING ROOMS

7.4.1 Closed standard double glazing will also be suitable in living areas, but again with some constraints for the ventilation strategy for those properties fronting the road network.

7.5 ACOUSTIC CONSTRAINTS ON VENTILATION STRATEGY

7.5.1 The design of the ventilation strategy and assessment of summer overheating risk must take acoustic constraints into account.

7.5.2 Where facades assume an ordinarily 'closed window' for acoustic mitigation purposes, windows may still be openable for rapid or purge ventilation or for residents' choice but should not remain open for prolonged periods of time.

7.5.3 Where trickle vents are included within the glazing to provide passive background ventilation, these should be specified so as not to form an acoustic weak point. Alternatively, mechanical means of background ventilation may be used.

7.5.4 The use of open windows as a primary means of mitigating temporary overheating is not likely to result in adverse effect at the rear of the site set back from the road network. However, habitable rooms on the road facing facades of the site have been identified as being at the greatest risk of noise impact during the overheating condition when windows are partially open. During the overheating condition, noise on the roadside facades has the potential to cause significant behavioural change, may be a factor in sleep disturbance and may only be considered suitable if occurring for limited periods of time.

7.6 CONCLUSIONS

7.6.1 Noise measurement survey has been carried out to determine the impact of environmental noise on the proposed residential development.

7.6.2 Good acoustic design principles have been implemented as part of the preliminary design to minimise the impact of environmental noise. This placement of the gardens on the rear / quieter side of the properties.

7.6.3 A mitigation scheme has been presented in line with current planning practice guidance to ensure that noise, whilst noticeable, will not be intrusive and benchmark noise standards will be met.

APPENDIX 1 ▪ Drawings



N

Notes

Jennings Design Associates take no responsibility for any dimensions obtained by scaling from this drawing. If no dimension is shown the recipient must ascertain the dimension specifically from the Architect or by site measurement. Supplying this drawing in digital form is solely for convenience and no reliance may be placed on digital data. All data must be checked against hard copy. Dimensions must be checked on site. Any discrepancies must be reported to the Architect immediately. This drawing is copyright of Jennings Design Associates

KEY

- Existing trees / Hedges
- Proposed trees
- 2.4mm x 4.8m parking bay
- Electric vehicle charging point
- 240L Bin
- Indicates site boundary taken from PDF copy of HM Land Registry .
- 2.no Cycle Spaces

Accommodation Schedule	
Unit Type	No.
3B5P House 99m^2	12
Total Units	12
Car Parking Spaces	12
Site Area (ha)	0.18
Units Per Ha	67

Rev	Description	Date	By
D	Amendments to parking following planners comments	28.10.22	DH
C	Minor Amendments to gardens 6/7	07.03.22	DH
B	Minor Amendments added	10.02.22	DH
A	5G Mast annotated on site	20.01.22	DH

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liverpool: 0151 665 0112

Client: Irwell Valley

Project: Plant Hill Road, Manchester

Project Status: P - Preliminary

Scale:	@ Original Size	Date:	Drawn By:	Checked By:
1:200	A2	10.11.2021	DH	TK

Project Number	Drawing Number			
1227	A	DR	007	
Description				Rev
Proposed Site Plan Option 2				D

0 2m 4m Scale 1:200

Z:\1227 - Plant Hill Road, Manchester\Drawings\Live\plots\1227_A_DR_007_ProposedSitePlan_Opt2.dwg

APPENDIX 2 ▪ Field Monitoring Records

ENVIRONMENTAL NOISE FIELD MONITORING RECORD

SITE NAME	Plant Hill Road	**PROJECT NUMBER**	22522b	**DATE**	17/01/2022	**RECORDED BY**	Harry Foster & Linford Shacklady

INSTRUMENTATION	TYPE	SERIAL NUMBER	DOLC
SOUND LEVEL METER	Casella CEL-63X	4278102	Jun-22
MICROPHONE	Casella CEL-251	818	Jun-22
PREAMPLIFIER	Casella CEL-495	5352	Jun-22
CALIBRATOR	Casella CEL-120/1	2621477	Jun-22

FIELD CALIBRATION			
CALIBRATION LEVEL: 94 dB			
CALIBRATION CHANGE AT START	0.2	CALIBRATION CHANGE AT END	-0.3

MONITORING LOCATION (>3.5 m from reflecting surface OR apply façade correction post processing)	NM1	**MICROPHONE HEIGHT ABOVE GROUND LEVEL (m)** (1.2-1.5 m)	2.3m on fence	**BATTERY LEVEL AT START (V)**	N/A	**BATTERY LEVEL AT END (V)**	N/A

Start Time	15:05:00	**End Time**	13:12:00

WEATHER OBSERVATIONS

Cold, overcast, wind 1m/s from NW

NOISE CLIMATE (GENERAL)

Cut the following times due to IDOM engineers making noises climbing over the Police station gate:
15:05-15:25
11:30 - 11:50 on the 18th Jan

Occasional road traffic, children leaving school passing meter, birdsong, pedestrians on PHR, bus stop outside the main building on PHR, occasional playground screaming/noise from Co op Academy school to the northeast

NOISE CLIMATE (SITE)

occasional creeking of metal shutters from the police station garage/barbed wire (see photos)

ENVIRONMENTAL NOISE FIELD MONITORING RECORD

SITE NAME	Plant Hill Road	**PROJECT NUMBER**	22522b	**DATE**	18/01/2022	**RECORDED BY**	Harry Foster & Andrew Harris

INSTRUMENTATION	TYPE	SERIAL NUMBER	DOLC
SOUND LEVEL METER	Casella CEL-63X	4278102	Sep-22
MICROPHONE	Casella CEL-251	1424	Sep-22
PREAMPLIFIER	Casella CEL-495	5352	Sep-22
CALIBRATOR	Casella CEL-120/1	873560	Jun-22

FIELD CALIBRATION			
CALIBRATION LEVEL: 94 dB			
CALIBRATION CHANGE AT START	-0.2	CALIBRATION CHANGE AT END	0

MONITORING LOCATION (>3.5 m from reflecting surface OR apply façade correction post processing)	NM2	**MICROPHONE HEIGHT ABOVE GROUND LEVEL (m)** (1.2-1.5 m)	1.2	**BATTERY LEVEL AT START (V)**	N/A	**BATTERY LEVEL AT END (V)**	N/A
Start Time	11:50:00	**End Time**	18:50:00				

WEATHER OBSERVATIONS

cold, blue skies, thin sheet of snow on the ground, dry

NOISE CLIMATE (GENERAL)

Majority of noise coming from road traffic on PHR, rarely hear a child screaming/shouting from Co op Academy school, rare metal creaks of nearby shutters on police garage doors, rare car door slams and car horns, planes occasionally overhead (13:07)
A 15 minute traffic survey was done on PHR from 12 -12:15 and showed:
- 22 cars
- 9 vans
- 5 HDVs/Buses

Notes

from 14:50:
14:50 - Noticable increase in traffic and cars parked along PHR - cars parked half onn the pavement for the 'school run'
14:50 to 15:00 - Majortity of the cars (approx 80%) are heading east towards the Co op academy
15:02 - School students start to leave the school and walk past the site (general chatter but low footfall)
15:05 - short beeping noise
post 15:00 - majority of traffic heading west along PHR away from the school
15:08 - pedestrian traffic of students increases and more frewuent vehicle traffic/movement
15:11 - sports car passes
15:13 - dog barking near site entrance
15:14 - kids shouting, laughing whilst having a snowball fight
15:17 - kids still shouting and playing around on the pavement/ road, moderate road traffic
15: 18 - noticable reduction in road traffic and students walking
15: 21 - kids shouting
15:22 - kids laughing and bus stops outside the front of the police building on PHR
15:27 - kid chucked a large log onto police station garage roof
15:30 - traffic and pedestrian traffic back to normal
16:00 quietened down significantly, aeroplane overhead
Later notes:
17:56 - noisy motorbike revving and going up and down PHR(anti-social behaviour on non-road legal vehicle)
17:50 to 18:00 - youths hanging about outside of the corner of Bank House Rd and PHR
18:04 - girl screaming on PHR
18:05 - loud children speaking and playing on their bikes outside site entrance

NOISE CLIMATE (SITE)

Occasional creak from metal shutters on police station garage doors

APPENDIX 3 ▪ Sound Level Meter Data

NM1 ALL DATA - 15min

ENDDATETIME	STARTDATETIME	LAFMAX	LAFMAXTIME	LAEQ	LAF10	LAF90
17/01/2023 15:19	17/01/2023 15:04	81.4	17/01/2023 15:11	61.9	65.0	54.0
17/01/2023 15:34	17/01/2023 15:19	77.2	17/01/2023 15:28	62.3	66.0	51.0
17/01/2023 15:49	17/01/2023 15:34	84.3	17/01/2023 15:35	63.3	66.5	49.0
17/01/2023 16:04	17/01/2023 15:49	83.9	17/01/2023 15:57	62.8	66.5	49.5
17/01/2023 16:19	17/01/2023 16:04	78.1	17/01/2023 16:05	62.2	66.0	49.5
17/01/2023 16:34	17/01/2023 16:19	94.9	17/01/2023 16:21	69.4	68.5	50.0
17/01/2023 16:49	17/01/2023 16:34	72.5	17/01/2023 16:37	60.9	66.0	47.5
17/01/2023 17:04	17/01/2023 16:49	73.0	17/01/2023 16:57	61.6	66.5	47.5
17/01/2023 17:19	17/01/2023 17:04	83.4	17/01/2023 17:14	62.6	66.5	48.5
17/01/2023 17:34	17/01/2023 17:19	80.3	17/01/2023 17:26	62.9	66.5	48.0
17/01/2023 17:49	17/01/2023 17:34	74.7	17/01/2023 17:42	60.3	64.5	46.0
17/01/2023 18:04	17/01/2023 17:49	74.9	17/01/2023 17:51	61.2	65.5	47.0
17/01/2023 18:19	17/01/2023 18:04	78.3	17/01/2023 18:15	60.2	65.0	46.5
17/01/2023 18:34	17/01/2023 18:19	78.3	17/01/2023 18:19	61.0	65.0	48.5
17/01/2023 18:49	17/01/2023 18:34	74.4	17/01/2023 18:35	59.7	64.5	51.0
17/01/2023 19:04	17/01/2023 18:49	76.8	17/01/2023 19:00	59.7	64.0	50.5
17/01/2023 19:19	17/01/2023 19:04	73.1	17/01/2023 19:15	59.4	64.0	51.0
17/01/2023 19:34	17/01/2023 19:19	73.7	17/01/2023 19:33	59.1	64.0	50.0
17/01/2023 19:49	17/01/2023 19:34	74.1	17/01/2023 19:44	60.5	65.5	48.0
17/01/2023 20:04	17/01/2023 19:49	81.5	17/01/2023 19:56	60.0	64.5	47.0
17/01/2023 20:19	17/01/2023 20:04	80.5	17/01/2023 20:06	58.7	62.5	45.5
17/01/2023 20:34	17/01/2023 20:19	93.9	17/01/2023 20:32	65.6	64.5	46.0
17/01/2023 20:49	17/01/2023 20:34	72.2	17/01/2023 20:37	58.9	64.0	45.5
17/01/2023 21:04	17/01/2023 20:49	72.4	17/01/2023 20:53	56.3	60.5	46.0
17/01/2023 21:19	17/01/2023 21:04	71.8	17/01/2023 21:16	56.4	61.0	47.0
17/01/2023 21:34	17/01/2023 21:19	71.3	17/01/2023 21:19	55.6	59.5	40.0
17/01/2023 21:49	17/01/2023 21:34	78.1	17/01/2023 21:45	54.7	52.0	40.0
17/01/2023 22:04	17/01/2023 21:49	70.2	17/01/2023 21:58	53.5	53.5	42.0
17/01/2023 22:19	17/01/2023 22:04	74.4	17/01/2023 22:06	55.2	51.0	45.0
17/01/2023 22:34	17/01/2023 22:19	67.4	17/01/2023 22:20	51.2	51.0	44.0
17/01/2023 22:49	17/01/2023 22:34	72.2	17/01/2023 22:45	53.4	52.0	43.5
17/01/2023 23:04	17/01/2023 22:49	77.1	17/01/2023 23:02	53.3	49.5	41.5
17/01/2023 23:19	17/01/2023 23:04	81.5	17/01/2023 23:17	56.8	52.5	40.0
17/01/2023 23:34	17/01/2023 23:19	73.8	17/01/2023 23:31	54.8	50.0	41.5
17/01/2023 23:49	17/01/2023 23:34	80.2	17/01/2023 23:42	55.5	51.5	39.0
17/01/2023 23:59	17/01/2023 23:49	75.0	17/01/2023 23:54	54.5	51.0	39.0
18/01/2023 00:15	18/01/2023 00:00	66.1	18/01/2023 00:03	47.1	43.0	39.0
18/01/2023 00:30	18/01/2023 00:15	66.3	18/01/2023 00:17	45.3	42.0	38.5
18/01/2023 00:45	18/01/2023 00:30	68.3	18/01/2023 00:44	49.5	45.5	36.0
18/01/2023 01:00	18/01/2023 00:45	59.8	18/01/2023 00:45	41.4	40.0	35.0
18/01/2023 01:15	18/01/2023 01:00	67.9	18/01/2023 01:08	48.0	41.5	37.0
18/01/2023 01:30	18/01/2023 01:15	73.3	18/01/2023 01:28	50.2	43.5	36.5
18/01/2023 01:45	18/01/2023 01:30	65.9	18/01/2023 01:41	44.0	41.0	36.5
18/01/2023 02:00	18/01/2023 01:45	67.6	18/01/2023 01:53	45.2	42.0	39.0
18/01/2023 02:15	18/01/2023 02:00	67.4	18/01/2023 02:02	46.2	43.5	39.5
18/01/2023 02:30	18/01/2023 02:15	65.9	18/01/2023 02:22	45.1	43.0	38.5
18/01/2023 02:45	18/01/2023 02:30	47.9	18/01/2023 02:43	41.4	43.5	38.5
18/01/2023 03:00	18/01/2023 02:45	71.7	18/01/2023 02:49	48.0	40.0	34.0

NM1 ALL DATA - 15min

ENDDATETIME	STARTDATETIME	LAFMAX	LAFMAXTIME	LAEQ	LAF10	LAF90
18/01/2023 03:15	18/01/2023 03:00	50.0	18/01/2023 03:01	41.4	42.5	40.0
18/01/2023 03:30	18/01/2023 03:15	47.3	18/01/2023 03:15	41.0	42.5	39.5
18/01/2023 03:45	18/01/2023 03:30	67.1	18/01/2023 03:44	44.9	43.5	37.5
18/01/2023 04:00	18/01/2023 03:45	62.9	18/01/2023 03:50	43.6	44.0	39.5
18/01/2023 04:15	18/01/2023 04:00	50.4	18/01/2023 04:02	43.5	45.0	41.5
18/01/2023 04:30	18/01/2023 04:15	64.2	18/01/2023 04:24	46.0	46.0	42.5
18/01/2023 04:45	18/01/2023 04:30	54.0	18/01/2023 04:44	45.6	47.0	43.5
18/01/2023 05:00	18/01/2023 04:45	67.2	18/01/2023 04:46	47.5	48.0	43.0
18/01/2023 05:15	18/01/2023 05:00	70.7	18/01/2023 05:08	50.1	47.5	42.5
18/01/2023 05:30	18/01/2023 05:15	70.1	18/01/2023 05:23	49.8	48.0	44.5
18/01/2023 05:45	18/01/2023 05:30	73.8	18/01/2023 05:44	54.4	53.0	45.5
18/01/2023 06:00	18/01/2023 05:45	74.1	18/01/2023 05:51	55.5	59.0	46.5
18/01/2023 06:15	18/01/2023 06:00	70.3	18/01/2023 06:08	55.4	59.5	46.5
18/01/2023 06:30	18/01/2023 06:15	72.6	18/01/2023 06:23	55.2	55.0	48.5
18/01/2023 06:45	18/01/2023 06:30	84.9	18/01/2023 06:39	58.4	59.0	50.5
18/01/2023 07:00	18/01/2023 06:45	72.6	18/01/2023 06:47	57.3	61.5	51.0
18/01/2023 07:15	18/01/2023 07:00	68.4	18/01/2023 07:05	56.7	60.5	51.5
18/01/2023 07:30	18/01/2023 07:15	73.3	18/01/2023 07:23	58.5	62.0	52.0
18/01/2023 07:45	18/01/2023 07:30	73.9	18/01/2023 07:40	60.3	64.5	52.0
18/01/2023 08:00	18/01/2023 07:45	82.2	18/01/2023 07:57	62.4	66.0	53.0
18/01/2023 08:15	18/01/2023 08:00	77.7	18/01/2023 08:11	63.1	66.5	54.5
18/01/2023 08:30	18/01/2023 08:15	75.6	18/01/2023 08:18	64.1	67.5	55.0
18/01/2023 08:45	18/01/2023 08:30	73.1	18/01/2023 08:36	62.3	66.5	52.5
18/01/2023 09:00	18/01/2023 08:45	74.1	18/01/2023 08:58	62.8	66.5	53.0
18/01/2023 09:15	18/01/2023 09:00	74.8	18/01/2023 09:02	61.7	66.0	51.5
18/01/2023 09:30	18/01/2023 09:15	71.5	18/01/2023 09:29	60.9	65.5	51.5
18/01/2023 09:45	18/01/2023 09:30	74.8	18/01/2023 09:36	59.4	63.5	51.0
18/01/2023 10:00	18/01/2023 09:45	72.7	18/01/2023 09:57	59.3	63.5	51.5
18/01/2023 10:15	18/01/2023 10:00	72.2	18/01/2023 10:12	58.3	62.0	50.5
18/01/2023 10:30	18/01/2023 10:15	75.8	18/01/2023 10:28	58.4	62.5	50.0
18/01/2023 10:45	18/01/2023 10:30	70.5	18/01/2023 10:41	57.3	61.5	50.5
18/01/2023 11:00	18/01/2023 10:45	77.6	18/01/2023 10:46	60.5	64.5	51.0
18/01/2023 11:15	18/01/2023 11:00	79.3	18/01/2023 11:06	61.4	65.5	50.5
18/01/2023 11:30	18/01/2023 11:15	77.8	18/01/2023 11:16	58.8	62.5	48.5
18/01/2023 11:45	18/01/2023 11:30	74.8	18/01/2023 11:34	59.7	64.0	49.0
18/01/2023 12:00	18/01/2023 11:45	73.6	18/01/2023 11:57	58.5	63.0	48.5
18/01/2023 12:15	18/01/2023 12:00	71.6	18/01/2023 12:07	59.7	64.5	49.0
18/01/2023 12:30	18/01/2023 12:15	71.7	18/01/2023 12:19	58.7	63.5	49.5
18/01/2023 12:45	18/01/2023 12:30	78.9	18/01/2023 12:32	59.2	63.5	48.5
18/01/2023 13:00	18/01/2023 12:45	78.9	18/01/2023 12:56	60.0	64.0	48.5
18/01/2023 13:12	18/01/2023 13:00	73.7	18/01/2023 13:07	59.5	64.0	48.0

NOTE: Data cut due to noise from IDOM Officer entering / exiting site

NIGHT-TIME

ENDDATETIME	STARTDATETIME	LAFMAX	LAFMAXTIME	LAEQ	LAF90
17/01/2023 23:19	17/01/2023 23:04	81.5	17/01/2023 23:17	56.8	40.0
17/01/2023 23:34	17/01/2023 23:19	73.8	17/01/2023 23:31	54.8	41.5
17/01/2023 23:49	17/01/2023 23:34	80.2	17/01/2023 23:42	55.5	39.0
17/01/2023 23:59	17/01/2023 23:49	75.0	17/01/2023 23:54	54.5	39.0
18/01/2023 00:15	18/01/2023 00:00	66.1	18/01/2023 00:03	47.1	39.0
18/01/2023 00:30	18/01/2023 00:15	66.3	18/01/2023 00:17	45.3	38.5
18/01/2023 00:45	18/01/2023 00:30	68.3	18/01/2023 00:44	49.5	36.0
18/01/2023 01:00	18/01/2023 00:45	59.8	18/01/2023 00:45	41.4	35.0
18/01/2023 01:15	18/01/2023 01:00	67.9	18/01/2023 01:08	48.0	37.0
18/01/2023 01:30	18/01/2023 01:15	73.3	18/01/2023 01:28	50.2	36.5
18/01/2023 01:45	18/01/2023 01:30	65.9	18/01/2023 01:41	44.0	36.5
18/01/2023 02:00	18/01/2023 01:45	67.6	18/01/2023 01:53	45.2	39.0
18/01/2023 02:15	18/01/2023 02:00	67.4	18/01/2023 02:02	46.2	39.5
18/01/2023 02:30	18/01/2023 02:15	65.9	18/01/2023 02:22	45.1	38.5
18/01/2023 02:45	18/01/2023 02:30	47.9	18/01/2023 02:43	41.4	38.5
18/01/2023 03:00	18/01/2023 02:45	71.7	18/01/2023 02:49	48.0	34.0
18/01/2023 03:15	18/01/2023 03:00	50.0	18/01/2023 03:01	41.4	40.0
18/01/2023 03:30	18/01/2023 03:15	47.3	18/01/2023 03:15	41.0	39.5
18/01/2023 03:45	18/01/2023 03:30	67.1	18/01/2023 03:44	44.9	37.5
18/01/2023 04:00	18/01/2023 03:45	62.9	18/01/2023 03:50	43.6	39.5
18/01/2023 04:15	18/01/2023 04:00	50.4	18/01/2023 04:02	43.5	41.5
18/01/2023 04:30	18/01/2023 04:15	64.2	18/01/2023 04:24	46.0	42.5
18/01/2023 04:45	18/01/2023 04:30	54.0	18/01/2023 04:44	45.6	43.5
18/01/2023 05:00	18/01/2023 04:45	67.2	18/01/2023 04:46	47.5	43.0
18/01/2023 05:15	18/01/2023 05:00	70.7	18/01/2023 05:08	50.1	42.5
18/01/2023 05:30	18/01/2023 05:15	70.1	18/01/2023 05:23	49.8	44.5
18/01/2023 05:45	18/01/2023 05:30	73.8	18/01/2023 05:44	54.4	45.5
18/01/2023 06:00	18/01/2023 05:45	74.1	18/01/2023 05:51	55.5	46.5
18/01/2023 06:15	18/01/2023 06:00	70.3	18/01/2023 06:08	55.4	46.5
18/01/2023 06:30	18/01/2023 06:15	72.6	18/01/2023 06:23	55.2	48.5
18/01/2023 06:45	18/01/2023 06:30	84.9	18/01/2023 06:39	58.4	50.5
18/01/2023 07:00	18/01/2023 06:45	72.6	18/01/2023 06:47	57.3	51.0
	LOG AVERAGE			**51.9**	
	MIN	47.3		41.0	34.0
	MAX	84.9		58.4	51.0

NM2 15min data

ENDDATETIME	STARTDATETIME	LAFMAX	LAFMAXTIME	LAEQ	LAF90
18/01/2023 12:04	18/01/2023 11:49	75.4	18/01/2023 11:55	50.6	45.0
18/01/2023 12:19	18/01/2023 12:04	64.7	18/01/2023 12:15	51.5	46.5
18/01/2023 12:34	18/01/2023 12:19	70.6	18/01/2023 12:33	51.7	46.0
18/01/2023 12:49	18/01/2023 12:34	62.9	18/01/2023 12:41	50.0	45.0
18/01/2023 13:04	18/01/2023 12:49	74.5	18/01/2023 12:57	52.4	45.0
18/01/2023 13:19	18/01/2023 13:04	68.5	18/01/2023 13:08	51.8	44.0
18/01/2023 13:34	18/01/2023 13:19	67.3	18/01/2023 13:20	50.8	44.0
18/01/2023 13:49	18/01/2023 13:34	68.1	18/01/2023 13:39	51.6	44.5
18/01/2023 14:04	18/01/2023 13:49	67.5	18/01/2023 14:04	52.5	45.5
18/01/2023 14:19	18/01/2023 14:04	74.2	18/01/2023 14:18	53.3	44.0
18/01/2023 14:34	18/01/2023 14:19	65.6	18/01/2023 14:30	51.0	45.0
18/01/2023 14:49	18/01/2023 14:34	65.6	18/01/2023 14:38	52.9	46.0
18/01/2023 15:04	18/01/2023 14:49	64.0	18/01/2023 15:00	52.2	46.5
18/01/2023 15:19	18/01/2023 15:04	72.7	18/01/2023 15:15	55.0	48.0
18/01/2023 15:34	18/01/2023 15:19	73.0	18/01/2023 15:22	55.3	48.0
18/01/2023 15:49	18/01/2023 15:34	80.9	18/01/2023 15:42	59.1	47.0
18/01/2023 16:04	18/01/2023 15:49	62.8	18/01/2023 15:50	52.4	47.0
18/01/2023 16:19	18/01/2023 16:04	62.6	18/01/2023 16:15	52.4	46.5
18/01/2023 16:34	18/01/2023 16:19	64.5	18/01/2023 16:31	53.1	47.0
18/01/2023 16:49	18/01/2023 16:34	73.7	18/01/2023 16:36	54.0	47.5
18/01/2023 17:04	18/01/2023 16:49	65.1	18/01/2023 16:50	52.8	46.0
18/01/2023 17:19	18/01/2023 17:04	63.0	18/01/2023 17:07	53.1	48.0
18/01/2023 17:34	18/01/2023 17:19	64.8	18/01/2023 17:22	52.2	46.5
18/01/2023 17:49	18/01/2023 17:34	76.2	18/01/2023 17:47	52.9	46.5
18/01/2023 18:04	18/01/2023 17:49	88.1	18/01/2023 17:55	61.9	46.5
18/01/2023 18:19	18/01/2023 18:04	64.9	18/01/2023 18:16	51.6	44.5
18/01/2023 18:34	18/01/2023 18:19	69.2	18/01/2023 18:20	53.6	46.5
18/01/2023 18:49	18/01/2023 18:34	64.5	18/01/2023 18:48	52.2	47.0
	LOG AVERAGE	-		**54.0**	-
	MIN	62.6		50.0	44.0
	MAX	88.1		61.9	48.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 15:04	68.6	60.0	63.0	54.0
17/01/2023 15:05	69.8	61.0	65.0	53.0
17/01/2023 15:06	80.5	64.6	68.0	53.5
17/01/2023 15:07	69.7	60.6	64.0	51.5
17/01/2023 15:08	69.7	60.6	63.5	56.5
17/01/2023 15:09	77.1	62.4	64.5	56.5
17/01/2023 15:10	81.4	62.8	64.0	56.5
17/01/2023 15:11	74.6	62.9	65.5	57.0
17/01/2023 15:12	72.3	61.5	64.0	57.0
17/01/2023 15:13	65.7	59.4	62.5	54.5
17/01/2023 15:14	66.8	59.0	63.0	51.5
17/01/2023 15:15	70.3	61.7	65.0	56.0
17/01/2023 15:16	70.2	62.7	65.5	56.5
17/01/2023 15:17	73.0	63.5	68.0	51.5
17/01/2023 15:18	68.4	62.5	66.5	51.5
17/01/2023 15:19	69.5	62.5	67.0	52.5
17/01/2023 15:20	68.3	61.8	66.0	52.0
17/01/2023 15:21	68.5	61.1	65.0	51.5
17/01/2023 15:22	68.5	62.8	65.5	58.0
17/01/2023 15:23	75.4	64.8	68.0	54.0
17/01/2023 15:24	69.6	62.8	65.0	55.0
17/01/2023 15:25	68.1	63.7	67.0	55.0
17/01/2023 15:26	71.3	62.4	65.5	55.0
17/01/2023 15:27	77.2	63.8	66.5	56.0
17/01/2023 15:28	69.1	60.2	64.5	50.0
17/01/2023 15:29	68.9	59.6	64.0	46.5
17/01/2023 15:30	68.5	61.9	65.5	48.0
17/01/2023 15:31	69.3	62.0	66.5	48.0
17/01/2023 15:32	69.6	62.4	67.0	51.5
17/01/2023 15:33	67.2	59.5	63.0	47.0
17/01/2023 15:34	69.9	63.4	66.0	55.0
17/01/2023 15:35	84.3	69.0	69.5	50.0
17/01/2023 15:36	71.6	60.6	65.5	49.5
17/01/2023 15:37	75.6	66.9	71.5	57.0
17/01/2023 15:38	70.9	63.8	68.0	50.5
17/01/2023 15:39	67.8	59.7	64.0	48.5
17/01/2023 15:40	69.1	62.5	66.5	52.5
17/01/2023 15:41	77.8	64.3	68.0	48.5
17/01/2023 15:42	71.3	62.1	67.0	50.5
17/01/2023 15:43	72.3	62.5	67.0	52.0
17/01/2023 15:44	68.1	59.2	64.5	48.5
17/01/2023 15:45	69.9	62.1	66.0	51.0
17/01/2023 15:46	68.3	60.6	65.0	49.5
17/01/2023 15:47	69.0	58.2	62.5	48.0
17/01/2023 15:48	68.4	56.7	60.0	47.5
17/01/2023 15:49	68.2	60.5	65.0	51.0
17/01/2023 15:50	74.8	65.3	69.0	53.0
17/01/2023 15:51	68.8	60.7	64.5	50.5
17/01/2023 15:52	68.6	59.0	64.5	49.0
17/01/2023 15:53	68.5	58.6	63.5	49.5
17/01/2023 15:54	67.9	58.9	64.5	50.5
17/01/2023 15:55	73.1	63.3	68.0	49.0
17/01/2023 15:56	83.9	69.7	70.5	51.0
17/01/2023 15:57	69.6	62.1	66.5	51.5
17/01/2023 15:58	70.1	63.1	67.0	52.5
17/01/2023 15:59	68.4	59.5	64.5	50.0
17/01/2023 16:00	69.2	58.1	61.0	48.5
17/01/2023 16:01	70.8	60.5	66.0	47.0
17/01/2023 16:02	69.7	62.2	67.5	49.0
17/01/2023 16:03	68.9	61.5	66.5	50.5
17/01/2023 16:04	78.1	63.6	66.0	52.5
17/01/2023 16:05	71.0	61.2	65.5	52.0
17/01/2023 16:06	69.2	61.3	65.0	50.5
17/01/2023 16:07	68.7	60.4	64.5	50.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 16:08	66.8	60.3	64.5	49.0
17/01/2023 16:09	65.8	59.8	64.0	48.5
17/01/2023 16:10	66.8	61.3	65.5	50.5
17/01/2023 16:11	69.4	61.6	66.5	49.0
17/01/2023 16:12	70.6	61.8	66.5	49.5
17/01/2023 16:13	75.8	63.9	66.0	49.5
17/01/2023 16:14	66.7	54.4	57.0	48.0
17/01/2023 16:15	73.5	64.0	69.0	51.0
17/01/2023 16:16	70.9	63.5	68.0	50.5
17/01/2023 16:17	70.6	63.8	67.0	56.0
17/01/2023 16:18	73.2	64.6	68.0	56.0
17/01/2023 16:19	67.3	58.5	64.0	49.5
17/01/2023 16:20	94.9	78.6	77.5	51.5
17/01/2023 16:21	68.2	59.5	64.0	49.0
17/01/2023 16:22	84.6	72.0	76.0	59.0
17/01/2023 16:23	84.9	69.8	74.5	55.5
17/01/2023 16:24	78.0	64.8	67.5	55.5
17/01/2023 16:25	87.4	70.8	71.0	56.5
17/01/2023 16:26	69.2	61.9	66.5	52.0
17/01/2023 16:27	69.9	59.3	64.5	50.5
17/01/2023 16:28	69.7	59.6	64.5	49.0
17/01/2023 16:29	70.8	62.3	68.0	50.5
17/01/2023 16:30	73.2	61.5	65.5	49.0
17/01/2023 16:31	71.5	64.7	68.5	53.5
17/01/2023 16:32	70.1	62.0	67.0	48.5
17/01/2023 16:33	69.9	64.6	68.0	52.0
17/01/2023 16:34	71.0	61.6	66.0	51.5
17/01/2023 16:35	67.9	61.9	65.0	51.0
17/01/2023 16:36	72.5	63.1	69.0	48.5
17/01/2023 16:37	68.6	61.1	66.0	49.5
17/01/2023 16:38	71.3	61.3	66.5	51.5
17/01/2023 16:39	64.1	55.4	60.0	49.0
17/01/2023 16:40	68.7	59.2	64.0	48.0
17/01/2023 16:41	70.3	63.7	67.5	51.0
17/01/2023 16:42	69.8	60.0	64.5	50.0
17/01/2023 16:43	70.3	61.3	66.5	50.5
17/01/2023 16:44	69.4	55.0	57.5	45.5
17/01/2023 16:45	70.0	62.4	67.0	50.5
17/01/2023 16:46	67.6	57.6	64.0	46.0
17/01/2023 16:47	66.6	56.3	63.0	44.0
17/01/2023 16:48	71.0	63.0	68.5	45.0
17/01/2023 16:49	72.9	64.5	68.5	51.0
17/01/2023 16:50	72.1	61.0	65.0	48.5
17/01/2023 16:51	71.2	63.4	68.0	48.0
17/01/2023 16:52	71.0	60.8	64.5	47.5
17/01/2023 16:53	68.4	60.8	65.5	47.0
17/01/2023 16:54	71.0	62.4	67.0	48.5
17/01/2023 16:55	70.2	59.0	63.0	44.0
17/01/2023 16:56	73.0	61.6	66.0	48.0
17/01/2023 16:57	70.4	61.8	66.5	49.5
17/01/2023 16:58	68.3	62.0	66.5	46.5
17/01/2023 16:59	71.0	62.0	66.5	49.0
17/01/2023 17:00	68.5	61.1	65.0	51.0
17/01/2023 17:01	69.1	61.7	66.0	47.5
17/01/2023 17:02	69.6	58.9	64.0	46.5
17/01/2023 17:03	68.9	59.8	65.0	47.0
17/01/2023 17:04	58.4	51.8	54.5	48.5
17/01/2023 17:05	68.7	62.0	65.5	50.0
17/01/2023 17:06	68.2	58.5	64.5	47.5
17/01/2023 17:07	70.6	62.5	67.5	50.5
17/01/2023 17:08	73.4	62.4	66.0	47.0
17/01/2023 17:09	71.5	63.7	68.0	47.0
17/01/2023 17:10	71.7	62.6	67.0	50.0
17/01/2023 17:11	67.8	60.1	65.5	46.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 17:12	69.0	62.3	67.0	50.0
17/01/2023 17:13	70.9	62.4	65.5	50.5
17/01/2023 17:14	83.4	63.3	66.0	50.5
17/01/2023 17:15	75.1	64.2	68.5	52.0
17/01/2023 17:16	68.6	59.7	64.5	47.0
17/01/2023 17:17	67.9	60.0	65.0	47.0
17/01/2023 17:18	80.8	67.9	71.5	50.0
17/01/2023 17:19	73.5	64.0	69.0	53.5
17/01/2023 17:20	69.8	61.4	67.5	48.5
17/01/2023 17:21	69.6	59.9	67.0	46.5
17/01/2023 17:22	69.9	63.5	67.5	49.0
17/01/2023 17:23	69.1	60.6	65.5	47.5
17/01/2023 17:24	69.6	60.9	66.0	50.5
17/01/2023 17:25	71.0	60.3	64.0	47.5
17/01/2023 17:26	80.3	69.4	75.0	56.0
17/01/2023 17:27	75.7	63.0	65.0	48.5
17/01/2023 17:28	68.8	60.9	65.0	50.5
17/01/2023 17:29	67.9	59.7	65.0	47.5
17/01/2023 17:30	69.4	61.7	66.0	50.0
17/01/2023 17:31	73.0	64.9	69.5	48.0
17/01/2023 17:32	66.8	56.1	62.0	44.5
17/01/2023 17:33	69.5	59.6	64.0	48.0
17/01/2023 17:34	65.0	56.5	62.5	45.5
17/01/2023 17:35	74.0	61.2	64.5	45.5
17/01/2023 17:36	65.4	56.1	62.5	45.0
17/01/2023 17:37	65.7	56.8	62.0	47.0
17/01/2023 17:38	72.4	61.2	65.5	49.0
17/01/2023 17:39	68.4	61.0	65.0	48.0
17/01/2023 17:40	66.3	59.7	63.5	48.0
17/01/2023 17:41	74.7	63.5	67.0	46.0
17/01/2023 17:42	66.7	59.0	64.0	46.0
17/01/2023 17:43	63.1	52.3	56.0	45.5
17/01/2023 17:44	69.0	61.1	65.5	46.5
17/01/2023 17:45	69.2	58.7	64.0	46.0
17/01/2023 17:46	71.2	64.2	69.0	51.0
17/01/2023 17:47	70.3	59.3	64.0	46.0
17/01/2023 17:48	66.8	60.7	65.0	49.5
17/01/2023 17:49	67.7	58.9	63.5	47.0
17/01/2023 17:50	74.9	63.9	68.5	47.5
17/01/2023 17:51	68.1	59.6	63.0	51.0
17/01/2023 17:52	71.4	63.3	68.0	52.5
17/01/2023 17:53	67.4	59.9	65.5	47.0
17/01/2023 17:54	67.2	60.4	65.0	48.0
17/01/2023 17:55	70.2	63.7	67.5	49.5
17/01/2023 17:56	72.4	62.8	69.0	48.0
17/01/2023 17:57	66.9	59.6	65.0	47.0
17/01/2023 17:58	68.6	61.9	66.0	53.0
17/01/2023 17:59	69.2	60.2	66.0	48.5
17/01/2023 18:00	74.5	60.9	65.0	46.5
17/01/2023 18:01	68.6	61.3	65.5	45.5
17/01/2023 18:02	66.7	57.1	61.0	47.5
17/01/2023 18:03	67.1	58.2	64.5	45.0
17/01/2023 18:04	68.2	59.0	64.5	46.5
17/01/2023 18:05	67.9	57.6	63.0	45.0
17/01/2023 18:06	67.6	57.5	63.5	48.0
17/01/2023 18:07	71.3	62.0	66.5	48.5
17/01/2023 18:08	66.5	58.6	63.0	49.0
17/01/2023 18:09	67.5	59.1	64.5	48.5
17/01/2023 18:10	66.7	58.1	64.0	46.5
17/01/2023 18:11	71.4	61.4	68.0	46.0
17/01/2023 18:12	66.2	57.8	63.0	49.0
17/01/2023 18:13	65.5	56.8	62.5	45.5
17/01/2023 18:14	63.4	54.1	58.5	45.5
17/01/2023 18:15	78.3	64.9	69.5	48.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 18:16	70.0	62.3	66.0	49.5
17/01/2023 18:17	71.1	62.0	66.5	48.5
17/01/2023 18:18	69.2	59.0	63.5	49.5
17/01/2023 18:19	78.3	64.7	66.5	46.5
17/01/2023 18:20	70.0	60.4	65.0	47.0
17/01/2023 18:21	68.0	59.8	64.5	49.0
17/01/2023 18:22	69.6	61.9	66.0	53.0
17/01/2023 18:23	62.6	54.3	59.0	49.5
17/01/2023 18:24	71.8	61.4	66.5	50.0
17/01/2023 18:25	71.9	60.9	64.5	49.5
17/01/2023 18:26	68.1	59.8	64.5	49.5
17/01/2023 18:27	66.8	56.1	61.0	47.0
17/01/2023 18:28	68.2	62.1	65.5	51.5
17/01/2023 18:29	64.6	54.0	58.5	48.5
17/01/2023 18:30	72.4	62.3	68.5	50.5
17/01/2023 18:31	71.0	60.5	66.0	49.5
17/01/2023 18:32	66.8	56.9	61.0	50.0
17/01/2023 18:33	76.9	64.9	70.0	48.5
17/01/2023 18:34	70.8	62.3	67.0	49.5
17/01/2023 18:35	74.4	62.1	63.5	51.5
17/01/2023 18:36	70.0	59.7	65.0	51.0
17/01/2023 18:37	64.8	57.0	62.0	51.0
17/01/2023 18:38	67.7	58.9	63.0	52.0
17/01/2023 18:39	68.2	56.8	59.5	51.0
17/01/2023 18:40	68.4	61.9	66.5	53.0
17/01/2023 18:41	70.2	59.9	64.0	52.5
17/01/2023 18:42	66.6	59.0	64.0	52.0
17/01/2023 18:43	61.2	53.9	58.5	50.5
17/01/2023 18:44	69.0	60.2	66.0	51.5
17/01/2023 18:45	68.5	56.7	61.5	50.5
17/01/2023 18:46	70.3	61.2	66.5	52.5
17/01/2023 18:47	64.5	55.1	58.5	50.5
17/01/2023 18:48	69.9	60.9	66.0	51.5
17/01/2023 18:49	68.8	56.2	59.5	50.5
17/01/2023 18:50	54.4	51.7	53.0	50.5
17/01/2023 18:51	69.3	60.6	66.5	50.5
17/01/2023 18:52	66.9	56.8	60.5	51.5
17/01/2023 18:53	70.7	62.2	68.0	52.5
17/01/2023 18:54	69.7	61.0	65.5	53.5
17/01/2023 18:55	65.0	55.0	57.0	51.0
17/01/2023 18:56	62.3	52.2	53.0	49.5
17/01/2023 18:57	68.8	58.2	63.0	50.0
17/01/2023 18:58	70.3	62.0	66.5	51.5
17/01/2023 18:59	76.8	63.2	64.0	51.0
17/01/2023 19:00	70.0	62.3	66.5	52.5
17/01/2023 19:01	71.1	62.3	67.0	51.5
17/01/2023 19:02	67.7	56.1	59.0	51.0
17/01/2023 19:03	53.3	51.0	52.0	50.0
17/01/2023 19:04	66.9	58.7	63.0	51.0
17/01/2023 19:05	67.7	57.3	62.5	50.5
17/01/2023 19:06	68.0	61.3	66.0	52.0
17/01/2023 19:07	69.3	60.7	66.0	51.0
17/01/2023 19:08	70.7	58.4	61.0	51.0
17/01/2023 19:09	72.2	63.3	68.5	52.5
17/01/2023 19:10	66.0	57.9	63.5	50.5
17/01/2023 19:11	55.2	52.1	53.0	51.0
17/01/2023 19:12	67.7	59.0	64.0	52.5
17/01/2023 19:13	65.6	56.8	61.0	52.0
17/01/2023 19:14	73.1	61.8	66.0	52.5
17/01/2023 19:15	64.8	56.5	61.5	51.5
17/01/2023 19:16	68.1	59.8	64.0	51.5
17/01/2023 19:17	53.4	51.5	52.0	50.5
17/01/2023 19:18	73.0	61.6	64.5	50.5
17/01/2023 19:19	70.5	61.7	66.5	52.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 19:20	67.9	58.7	64.5	51.0
17/01/2023 19:21	68.7	59.1	64.0	51.0
17/01/2023 19:22	70.0	61.1	66.0	49.0
17/01/2023 19:23	54.3	50.8	52.5	49.5
17/01/2023 19:24	65.2	57.1	62.5	51.0
17/01/2023 19:25	68.9	59.1	64.5	50.5
17/01/2023 19:26	68.0	59.6	64.0	50.5
17/01/2023 19:27	68.1	59.5	64.0	50.0
17/01/2023 19:28	70.1	60.5	65.5	50.5
17/01/2023 19:29	65.5	56.0	61.0	49.5
17/01/2023 19:30	63.3	53.6	57.5	50.0
17/01/2023 19:31	71.8	59.7	63.0	50.0
17/01/2023 19:32	73.7	61.8	67.0	49.0
17/01/2023 19:33	65.5	55.1	60.0	50.0
17/01/2023 19:34	71.3	61.5	65.5	51.0
17/01/2023 19:35	68.4	60.0	65.0	50.5
17/01/2023 19:36	70.3	62.4	67.5	49.0
17/01/2023 19:37	69.6	57.1	62.0	48.0
17/01/2023 19:38	68.6	58.4	62.5	49.5
17/01/2023 19:39	67.8	60.2	64.5	50.5
17/01/2023 19:40	70.3	61.0	65.0	50.0
17/01/2023 19:41	71.2	63.4	67.5	53.5
17/01/2023 19:42	69.2	59.4	64.5	49.5
17/01/2023 19:43	71.5	60.3	64.5	51.5
17/01/2023 19:44	74.1	61.0	66.5	48.0
17/01/2023 19:45	65.1	55.5	59.5	48.0
17/01/2023 19:46	69.4	59.9	66.0	47.0
17/01/2023 19:47	73.0	63.7	68.0	52.0
17/01/2023 19:48	50.1	47.6	48.5	46.5
17/01/2023 19:49	51.6	48.7	50.5	46.5
17/01/2023 19:50	51.9	49.5	50.5	48.5
17/01/2023 19:51	68.8	57.9	63.5	47.5
17/01/2023 19:52	65.6	56.7	61.0	50.5
17/01/2023 19:53	64.8	53.3	57.0	46.0
17/01/2023 19:54	69.1	58.3	64.0	46.0
17/01/2023 19:55	81.5	65.9	67.0	47.5
17/01/2023 19:56	72.1	57.3	58.5	46.5
17/01/2023 19:57	69.9	61.0	64.5	48.0
17/01/2023 19:58	71.0	61.9	65.5	53.0
17/01/2023 19:59	70.4	61.7	66.0	51.0
17/01/2023 20:00	67.4	56.2	61.0	46.0
17/01/2023 20:01	66.3	55.4	56.0	47.0
17/01/2023 20:02	70.0	61.6	68.0	47.0
17/01/2023 20:03	72.4	62.7	66.0	52.5
17/01/2023 20:04	68.5	58.9	65.0	47.5
17/01/2023 20:05	80.5	65.1	64.5	47.0
17/01/2023 20:06	67.2	58.7	63.5	47.5
17/01/2023 20:07	66.1	50.9	51.0	46.5
17/01/2023 20:08	70.6	61.9	67.5	50.0
17/01/2023 20:09	65.1	56.9	62.5	45.5
17/01/2023 20:10	61.0	52.4	57.0	47.0
17/01/2023 20:11	68.2	57.4	61.5	46.0
17/01/2023 20:12	67.4	57.7	63.5	48.0
17/01/2023 20:13	53.4	47.1	50.5	44.5
17/01/2023 20:14	49.8	46.9	48.5	45.5
17/01/2023 20:15	70.8	60.1	65.0	48.0
17/01/2023 20:16	67.2	55.9	60.0	45.5
17/01/2023 20:17	58.4	49.1	54.0	45.0
17/01/2023 20:18	70.2	60.9	66.5	47.0
17/01/2023 20:19	65.6	57.0	62.5	46.0
17/01/2023 20:20	65.2	53.9	58.0	46.0
17/01/2023 20:21	72.3	62.8	67.5	47.0
17/01/2023 20:22	70.8	60.2	65.5	47.5
17/01/2023 20:23	66.9	57.5	64.0	46.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 20:24	68.8	58.0	63.0	48.0
17/01/2023 20:25	63.8	53.7	59.5	45.5
17/01/2023 20:26	65.4	55.8	61.5	46.0
17/01/2023 20:27	68.5	61.5	66.5	47.0
17/01/2023 20:28	49.3	46.8	48.0	46.0
17/01/2023 20:29	64.9	57.2	62.5	46.5
17/01/2023 20:30	61.9	51.5	56.0	45.5
17/01/2023 20:31	93.9	76.5	73.0	47.0
17/01/2023 20:32	71.9	60.5	64.0	45.5
17/01/2023 20:33	69.2	62.4	66.0	51.5
17/01/2023 20:34	65.2	55.8	61.0	47.5
17/01/2023 20:35	68.4	59.1	64.5	46.0
17/01/2023 20:36	63.6	53.9	59.5	45.0
17/01/2023 20:37	72.2	61.1	66.0	44.5
17/01/2023 20:38	66.2	59.2	64.0	49.0
17/01/2023 20:39	62.6	54.5	59.5	45.0
17/01/2023 20:40	71.6	60.0	63.5	47.0
17/01/2023 20:41	69.9	61.5	65.5	48.5
17/01/2023 20:42	67.5	57.9	64.0	43.5
17/01/2023 20:43	70.3	59.0	64.5	44.5
17/01/2023 20:44	67.6	58.3	63.5	46.5
17/01/2023 20:45	65.6	58.8	64.0	46.5
17/01/2023 20:46	70.2	61.4	65.0	47.0
17/01/2023 20:47	67.4	58.2	63.5	49.0
17/01/2023 20:48	64.8	56.9	63.0	47.0
17/01/2023 20:49	65.3	55.9	61.0	43.0
17/01/2023 20:50	70.8	59.5	64.0	43.5
17/01/2023 20:51	70.9	59.5	64.5	46.0
17/01/2023 20:52	72.4	61.1	63.0	47.0
17/01/2023 20:53	54.7	47.8	50.5	44.0
17/01/2023 20:54	66.9	58.6	64.0	48.0
17/01/2023 20:55	65.1	58.2	61.5	47.0
17/01/2023 20:56	67.2	54.8	59.5	47.5
17/01/2023 20:57	63.7	53.6	58.0	48.0
17/01/2023 20:58	67.4	57.4	62.0	47.0
17/01/2023 20:59	50.0	48.2	49.0	47.5
17/01/2023 21:00	50.8	48.3	49.5	47.0
17/01/2023 21:01	52.7	49.0	51.0	47.0
17/01/2023 21:02	51.3	47.8	49.5	46.0
17/01/2023 21:03	63.3	52.8	57.0	48.0
17/01/2023 21:04	65.7	56.6	61.0	48.5
17/01/2023 21:05	50.8	47.1	48.5	46.0
17/01/2023 21:06	69.4	57.0	60.5	45.5
17/01/2023 21:07	66.2	52.2	54.0	46.5
17/01/2023 21:08	62.8	52.4	57.0	46.0
17/01/2023 21:09	66.9	57.6	62.5	49.0
17/01/2023 21:10	66.9	59.9	64.5	49.0
17/01/2023 21:11	66.7	58.2	63.5	47.5
17/01/2023 21:12	55.2	48.5	50.0	47.0
17/01/2023 21:13	67.4	58.3	63.5	47.5
17/01/2023 21:14	64.5	54.5	59.5	47.0
17/01/2023 21:15	71.8	58.7	61.5	47.0
17/01/2023 21:16	67.0	58.0	63.5	50.0
17/01/2023 21:17	54.1	50.2	51.5	49.0
17/01/2023 21:18	67.0	56.5	61.0	48.5
17/01/2023 21:19	71.3	60.5	66.0	48.0
17/01/2023 21:20	61.6	51.8	56.0	47.5
17/01/2023 21:21	52.0	48.0	49.0	46.5
17/01/2023 21:22	65.8	55.2	60.5	48.0
17/01/2023 21:23	63.9	55.6	61.0	48.0
17/01/2023 21:24	68.3	58.4	63.0	49.0
17/01/2023 21:25	66.6	56.6	62.0	46.5
17/01/2023 21:26	60.5	51.3	56.5	46.0
17/01/2023 21:27	64.4	50.2	50.5	45.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 21:28	71.2	59.7	64.5	44.5
17/01/2023 21:29	69.0	58.9	66.0	44.0
17/01/2023 21:30	59.9	45.9	48.5	41.0
17/01/2023 21:31	41.4	39.7	40.5	39.0
17/01/2023 21:32	66.6	52.0	53.5	39.5
17/01/2023 21:33	66.0	50.6	48.5	39.0
17/01/2023 21:34	66.4	56.4	62.5	44.0
17/01/2023 21:35	50.3	40.6	41.5	39.5
17/01/2023 21:36	68.3	55.6	57.0	40.0
17/01/2023 21:37	64.0	52.3	58.0	41.0
17/01/2023 21:38	51.8	41.0	41.5	39.5
17/01/2023 21:39	45.1	40.6	41.0	40.0
17/01/2023 21:40	41.6	40.3	41.0	40.0
17/01/2023 21:41	42.0	40.7	41.5	40.0
17/01/2023 21:42	47.9	41.3	42.0	40.5
17/01/2023 21:43	43.3	41.4	42.0	41.0
17/01/2023 21:44	78.1	64.2	68.0	43.0
17/01/2023 21:45	61.0	51.4	57.0	42.5
17/01/2023 21:46	47.5	42.9	44.0	42.0
17/01/2023 21:47	44.4	42.5	43.0	42.0
17/01/2023 21:48	67.4	57.3	62.5	43.5
17/01/2023 21:49	48.5	42.2	43.0	41.0
17/01/2023 21:50	59.8	51.1	54.5	43.0
17/01/2023 21:51	51.5	44.2	47.0	41.0
17/01/2023 21:52	67.1	55.5	61.0	42.5
17/01/2023 21:53	67.4	56.1	61.5	43.5
17/01/2023 21:54	49.9	44.4	45.0	43.5
17/01/2023 21:55	44.8	43.3	44.0	42.5
17/01/2023 21:56	70.1	59.3	65.0	42.0
17/01/2023 21:57	70.2	57.2	61.5	42.0
17/01/2023 21:58	51.3	43.8	44.5	42.0
17/01/2023 21:59	46.1	43.9	44.5	43.0
17/01/2023 22:00	48.8	44.2	45.0	43.5
17/01/2023 22:01	68.8	59.0	63.5	44.5
17/01/2023 22:02	60.0	48.2	48.5	44.5
17/01/2023 22:03	48.5	45.1	46.0	44.0
17/01/2023 22:04	47.7	45.2	46.0	44.5
17/01/2023 22:05	74.4	62.0	66.5	45.5
17/01/2023 22:06	57.0	47.1	48.5	45.5
17/01/2023 22:07	50.2	46.4	47.5	45.5
17/01/2023 22:08	51.3	46.6	47.0	46.0
17/01/2023 22:09	48.2	46.2	47.0	45.5
17/01/2023 22:10	53.0	46.5	47.5	44.5
17/01/2023 22:11	49.6	46.1	47.0	45.0
17/01/2023 22:12	48.2	45.8	46.5	45.0
17/01/2023 22:13	50.3	45.3	46.5	44.0
17/01/2023 22:14	66.1	55.0	61.0	44.5
17/01/2023 22:15	72.4	60.9	66.0	45.5
17/01/2023 22:16	55.2	47.8	50.5	45.5
17/01/2023 22:17	74.1	61.1	65.0	45.0
17/01/2023 22:18	48.9	46.7	47.5	45.5
17/01/2023 22:19	67.4	55.1	61.0	45.5
17/01/2023 22:20	66.5	50.8	50.0	44.5
17/01/2023 22:21	47.7	45.4	46.5	43.5
17/01/2023 22:22	51.7	46.8	49.0	44.5
17/01/2023 22:23	64.3	53.4	53.5	45.5
17/01/2023 22:24	64.3	51.4	53.0	44.5
17/01/2023 22:25	47.6	45.8	46.5	45.0
17/01/2023 22:26	66.3	55.3	60.5	45.5
17/01/2023 22:27	64.5	55.4	61.0	46.0
17/01/2023 22:28	64.1	53.3	59.5	44.0
17/01/2023 22:29	52.9	45.5	47.0	44.0
17/01/2023 22:30	51.1	44.9	46.0	43.5
17/01/2023 22:31	48.4	45.7	47.0	44.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 22:32	50.6	46.3	47.5	44.5
17/01/2023 22:33	47.5	44.3	45.0	43.5
17/01/2023 22:34	68.7	56.7	62.0	43.5
17/01/2023 22:35	48.9	45.3	46.0	44.5
17/01/2023 22:36	51.1	45.1	46.5	43.5
17/01/2023 22:37	62.2	52.3	56.5	46.0
17/01/2023 22:38	66.9	55.7	61.5	45.5
17/01/2023 22:39	47.2	45.5	46.0	45.0
17/01/2023 22:40	68.6	56.0	61.0	44.5
17/01/2023 22:41	47.3	45.4	46.0	44.5
17/01/2023 22:42	47.5	45.1	46.0	44.0
17/01/2023 22:43	46.7	44.6	45.5	44.0
17/01/2023 22:44	72.2	60.9	65.5	45.0
17/01/2023 22:45	49.9	44.8	46.0	43.5
17/01/2023 22:46	48.7	44.1	45.0	43.0
17/01/2023 22:47	67.4	55.8	62.0	42.5
17/01/2023 22:48	50.1	44.3	45.5	43.0
17/01/2023 22:49	45.3	43.2	44.0	42.0
17/01/2023 22:50	54.4	47.6	50.5	42.5
17/01/2023 22:51	47.1	43.0	45.0	41.5
17/01/2023 22:52	44.7	43.1	44.0	42.5
17/01/2023 22:53	44.3	42.9	43.5	42.0
17/01/2023 22:54	67.6	56.1	61.5	43.0
17/01/2023 22:55	60.8	51.3	56.5	44.0
17/01/2023 22:56	45.0	43.1	44.0	42.0
17/01/2023 22:57	44.1	42.7	43.5	42.0
17/01/2023 22:58	51.7	44.8	46.0	43.5
17/01/2023 22:59	56.5	49.0	52.0	44.0
17/01/2023 23:00	49.6	43.7	45.0	42.0
17/01/2023 23:01	69.2	55.3	58.5	41.0
17/01/2023 23:02	77.1	63.0	63.0	40.0
17/01/2023 23:03	47.8	42.8	44.5	40.5
17/01/2023 23:04	49.9	43.7	45.5	42.0
17/01/2023 23:05	62.8	52.9	58.0	43.5
17/01/2023 23:06	47.0	42.9	44.0	42.0
17/01/2023 23:07	45.2	42.4	43.5	41.5
17/01/2023 23:08	43.7	41.9	42.5	41.5
17/01/2023 23:09	46.6	41.5	42.5	40.0
17/01/2023 23:10	48.6	42.0	43.5	40.0
17/01/2023 23:11	43.0	40.2	41.0	39.5
17/01/2023 23:12	65.8	53.8	59.5	40.0
17/01/2023 23:13	45.0	39.9	40.5	39.0
17/01/2023 23:14	71.3	60.6	66.0	40.5
17/01/2023 23:15	78.7	62.9	58.5	41.5
17/01/2023 23:16	81.5	65.2	66.5	47.0
17/01/2023 23:17	48.4	42.3	44.0	40.5
17/01/2023 23:18	59.0	49.3	55.0	42.0
17/01/2023 23:19	44.1	42.6	43.0	42.0
17/01/2023 23:20	46.5	42.9	44.0	42.0
17/01/2023 23:21	43.9	41.9	42.5	41.0
17/01/2023 23:22	70.0	56.8	61.0	41.0
17/01/2023 23:23	50.6	43.4	44.0	42.0
17/01/2023 23:24	72.3	58.9	62.5	42.5
17/01/2023 23:25	47.5	43.2	44.0	41.5
17/01/2023 23:26	48.9	42.1	42.5	41.5
17/01/2023 23:27	71.6	58.9	63.5	41.5
17/01/2023 23:28	67.2	54.5	56.5	42.5
17/01/2023 23:29	71.3	59.5	63.0	43.5
17/01/2023 23:30	73.8	60.4	63.0	42.0
17/01/2023 23:31	46.2	43.0	44.0	42.0
17/01/2023 23:32	48.9	43.6	45.0	41.5
17/01/2023 23:33	43.6	41.4	42.0	40.5
17/01/2023 23:34	43.9	41.7	42.5	40.5
17/01/2023 23:35	67.9	55.4	60.0	42.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
17/01/2023 23:36	73.6	62.1	67.0	42.5
17/01/2023 23:37	47.1	42.1	43.0	40.5
17/01/2023 23:38	48.7	43.1	46.0	41.0
17/01/2023 23:39	43.1	41.2	42.0	40.5
17/01/2023 23:40	66.1	54.7	59.5	39.5
17/01/2023 23:41	76.2	59.4	57.0	40.0
17/01/2023 23:42	80.2	62.6	56.5	39.0
17/01/2023 23:43	42.3	40.4	41.0	39.5
17/01/2023 23:44	46.1	41.3	44.0	37.5
17/01/2023 23:45	42.5	38.7	40.5	37.0
17/01/2023 23:46	64.0	53.6	57.5	41.5
17/01/2023 23:47	59.0	48.0	51.5	38.5
17/01/2023 23:48	55.7	46.4	50.5	39.0
17/01/2023 23:49	43.1	40.5	42.0	38.5
17/01/2023 23:50	53.4	46.7	50.0	40.5
17/01/2023 23:51	47.6	41.6	44.0	39.5
17/01/2023 23:52	65.7	52.4	57.5	38.0
17/01/2023 23:53	75.0	59.8	58.5	38.0
17/01/2023 23:54	43.7	39.8	41.5	38.0
17/01/2023 23:55	63.8	52.3	57.5	41.5
17/01/2023 23:56	62.9	52.4	58.5	41.0
17/01/2023 23:57	44.4	41.2	42.5	40.0
17/01/2023 23:58	72.9	61.2	66.0	41.5
17/01/2023 23:59	44.6	42.5	43.0	41.5
18/01/2023 00:00	46.7	41.6	42.5	40.5
18/01/2023 00:01	65.4	55.2	60.5	42.0
18/01/2023 00:02	43.2	40.6	41.5	39.5
18/01/2023 00:03	66.1	54.4	58.0	39.5
18/01/2023 00:04	44.4	41.7	43.0	40.5
18/01/2023 00:05	50.7	42.0	42.5	40.5
18/01/2023 00:06	44.1	41.0	42.0	40.0
18/01/2023 00:07	43.2	41.0	42.0	40.0
18/01/2023 00:08	49.3	41.9	43.0	40.5
18/01/2023 00:09	43.4	40.7	41.5	39.5
18/01/2023 00:10	44.2	41.2	42.0	40.0
18/01/2023 00:11	43.2	41.2	42.0	40.0
18/01/2023 00:12	45.5	41.3	42.5	40.0
18/01/2023 00:13	49.5	40.0	41.0	38.0
18/01/2023 00:14	44.9	37.9	39.0	36.5
18/01/2023 00:15	41.5	38.4	39.5	37.5
18/01/2023 00:16	64.2	50.6	51.5	37.5
18/01/2023 00:17	66.3	53.8	55.0	40.5
18/01/2023 00:18	43.9	41.5	42.5	40.5
18/01/2023 00:19	43.2	40.6	42.0	39.0
18/01/2023 00:20	42.9	40.0	41.5	38.5
18/01/2023 00:21	43.0	40.8	42.0	39.5
18/01/2023 00:22	43.7	40.5	41.5	39.0
18/01/2023 00:23	45.3	41.0	42.5	39.5
18/01/2023 00:24	48.9	41.9	43.0	40.5
18/01/2023 00:25	44.5	41.1	42.5	39.5
18/01/2023 00:26	42.1	40.1	41.0	39.0
18/01/2023 00:27	44.0	39.5	41.0	38.5
18/01/2023 00:28	53.8	41.5	43.0	39.0
18/01/2023 00:29	42.0	39.3	40.5	38.5
18/01/2023 00:30	42.3	39.5	41.0	37.5
18/01/2023 00:31	67.3	51.9	47.5	40.5
18/01/2023 00:32	64.7	49.5	47.5	38.5
18/01/2023 00:33	41.8	39.5	40.5	38.5
18/01/2023 00:34	42.0	39.5	40.5	38.5
18/01/2023 00:35	40.3	37.7	39.0	36.5
18/01/2023 00:36	50.5	39.4	40.5	37.5
18/01/2023 00:37	41.3	39.1	40.0	38.5
18/01/2023 00:38	39.9	37.9	39.0	36.5
18/01/2023 00:39	38.5	36.7	37.5	36.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 00:40	38.0	35.7	36.5	35.0
18/01/2023 00:41	38.7	36.6	37.5	35.5
18/01/2023 00:42	68.2	54.4	58.5	36.5
18/01/2023 00:43	66.1	54.1	58.5	36.5
18/01/2023 00:44	68.3	57.1	61.5	37.5
18/01/2023 00:45	59.8	50.4	56.5	36.0
18/01/2023 00:46	37.9	35.3	36.5	34.5
18/01/2023 00:47	41.0	36.8	37.5	35.5
18/01/2023 00:48	37.7	35.4	36.0	34.5
18/01/2023 00:49	38.8	35.9	37.0	35.0
18/01/2023 00:50	39.2	35.3	36.5	34.0
18/01/2023 00:51	37.9	35.9	36.5	35.0
18/01/2023 00:52	40.9	37.2	38.5	36.0
18/01/2023 00:53	40.2	37.9	39.0	37.0
18/01/2023 00:54	49.2	43.7	47.5	38.0
18/01/2023 00:55	41.4	38.5	39.5	37.5
18/01/2023 00:56	41.1	38.7	39.5	38.0
18/01/2023 00:57	41.6	39.1	40.0	38.0
18/01/2023 00:58	41.0	39.0	39.5	38.5
18/01/2023 00:59	42.1	39.3	40.0	38.5
18/01/2023 01:00	42.1	39.7	40.5	39.0
18/01/2023 01:01	46.8	38.8	40.0	37.5
18/01/2023 01:02	42.0	38.9	40.0	38.0
18/01/2023 01:03	42.5	39.5	40.5	38.5
18/01/2023 01:04	43.6	41.2	42.5	40.0
18/01/2023 01:05	42.2	40.1	40.5	39.5
18/01/2023 01:06	48.3	40.6	42.0	39.5
18/01/2023 01:07	41.2	39.1	40.0	38.0
18/01/2023 01:08	67.9	55.7	59.5	38.5
18/01/2023 01:09	62.7	48.6	54.0	38.0
18/01/2023 01:10	41.6	38.3	39.0	37.5
18/01/2023 01:11	65.5	56.0	63.0	38.0
18/01/2023 01:12	44.5	37.8	39.0	36.0
18/01/2023 01:13	38.5	36.6	37.5	36.0
18/01/2023 01:14	41.7	37.6	39.0	36.0
18/01/2023 01:15	49.4	41.1	44.0	38.0
18/01/2023 01:16	46.9	38.8	40.0	37.5
18/01/2023 01:17	39.8	37.6	38.5	37.0
18/01/2023 01:18	41.5	39.0	40.0	38.0
18/01/2023 01:19	40.6	38.2	39.0	37.0
18/01/2023 01:20	40.7	37.9	39.0	36.5
18/01/2023 01:21	44.6	37.5	38.5	36.5
18/01/2023 01:22	52.2	39.6	41.0	37.0
18/01/2023 01:23	69.8	57.7	61.0	37.0
18/01/2023 01:24	49.4	41.4	46.0	36.0
18/01/2023 01:25	39.6	36.9	38.0	35.5
18/01/2023 01:26	41.8	38.0	39.0	36.5
18/01/2023 01:27	45.3	39.8	43.5	38.0
18/01/2023 01:28	73.3	59.4	63.0	38.5
18/01/2023 01:29	41.8	38.6	39.5	37.5
18/01/2023 01:30	58.8	48.3	54.0	36.5
18/01/2023 01:31	40.9	37.7	39.0	36.5
18/01/2023 01:32	44.0	37.8	39.0	36.5
18/01/2023 01:33	40.5	37.4	38.5	36.5
18/01/2023 01:34	38.6	36.9	38.0	36.0
18/01/2023 01:35	39.3	37.3	38.0	36.5
18/01/2023 01:36	38.8	36.1	37.5	35.0
18/01/2023 01:37	41.7	38.6	40.0	37.5
18/01/2023 01:38	40.4	38.1	39.0	37.0
18/01/2023 01:39	40.7	37.5	38.5	36.0
18/01/2023 01:40	43.6	37.5	38.5	36.5
18/01/2023 01:41	65.9	53.4	58.0	36.5
18/01/2023 01:42	41.3	38.6	40.0	37.5
18/01/2023 01:43	43.6	39.1	40.5	38.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 01:44	44.3	40.9	42.0	39.5
18/01/2023 01:45	45.9	41.6	42.5	40.5
18/01/2023 01:46	44.6	41.4	43.0	40.0
18/01/2023 01:47	43.2	41.0	42.0	40.0
18/01/2023 01:48	43.7	39.9	41.0	39.0
18/01/2023 01:49	44.5	41.1	42.5	39.5
18/01/2023 01:50	43.4	40.4	41.5	39.5
18/01/2023 01:51	41.5	39.7	40.5	39.0
18/01/2023 01:52	42.5	40.3	41.0	39.5
18/01/2023 01:53	67.6	55.3	60.5	40.0
18/01/2023 01:54	44.4	40.7	42.5	39.0
18/01/2023 01:55	42.2	39.4	40.5	38.0
18/01/2023 01:56	45.9	40.2	41.0	39.0
18/01/2023 01:57	42.2	40.3	41.0	39.5
18/01/2023 01:58	44.3	41.3	42.5	40.5
18/01/2023 01:59	43.2	40.7	42.0	39.5
18/01/2023 02:00	43.9	41.6	42.5	40.5
18/01/2023 02:01	46.0	42.6	43.5	41.5
18/01/2023 02:02	67.4	55.1	58.5	43.0
18/01/2023 02:03	45.3	42.8	44.0	41.5
18/01/2023 02:04	44.0	42.3	43.0	41.5
18/01/2023 02:05	44.5	41.5	42.5	40.5
18/01/2023 02:06	46.1	42.7	44.0	41.5
18/01/2023 02:07	60.3	50.5	56.5	40.0
18/01/2023 02:08	42.2	39.7	41.0	38.5
18/01/2023 02:09	44.6	40.8	41.5	40.0
18/01/2023 02:10	41.8	39.8	40.5	39.0
18/01/2023 02:11	42.1	40.3	41.0	39.5
18/01/2023 02:12	48.6	40.6	42.0	39.0
18/01/2023 02:13	49.4	41.6	42.0	40.5
18/01/2023 02:14	44.1	41.6	42.5	40.5
18/01/2023 02:15	44.1	40.7	42.5	39.0
18/01/2023 02:16	42.0	39.3	40.0	38.5
18/01/2023 02:17	44.0	39.4	41.0	38.5
18/01/2023 02:18	44.2	40.6	42.0	39.0
18/01/2023 02:19	43.4	39.8	41.5	38.5
18/01/2023 02:20	44.5	39.5	40.5	38.0
18/01/2023 02:21	43.0	40.1	41.0	38.5
18/01/2023 02:22	65.9	54.2	60.0	39.0
18/01/2023 02:23	61.6	48.3	50.5	41.0
18/01/2023 02:24	51.4	44.2	47.0	41.5
18/01/2023 02:25	49.8	41.6	42.5	39.5
18/01/2023 02:26	47.9	41.9	44.0	39.5
18/01/2023 02:27	44.0	40.3	42.0	38.5
18/01/2023 02:28	41.3	39.3	40.0	38.5
18/01/2023 02:29	45.1	39.6	41.0	38.5
18/01/2023 02:30	41.4	38.4	39.5	37.5
18/01/2023 02:31	45.8	40.4	41.5	39.0
18/01/2023 02:32	44.6	41.5	42.5	40.5
18/01/2023 02:33	44.3	41.3	42.0	40.0
18/01/2023 02:34	44.2	41.8	43.0	40.5
18/01/2023 02:35	44.4	42.2	43.5	41.0
18/01/2023 02:36	46.3	44.1	45.0	43.0
18/01/2023 02:37	45.4	43.5	44.0	42.5
18/01/2023 02:38	46.5	42.5	43.5	41.0
18/01/2023 02:39	44.5	40.9	42.5	39.0
18/01/2023 02:40	43.7	41.1	42.0	40.0
18/01/2023 02:41	47.5	41.4	42.5	40.0
18/01/2023 02:42	41.9	39.5	40.5	38.5
18/01/2023 02:43	47.9	39.2	39.5	38.0
18/01/2023 02:44	42.1	39.1	40.5	38.0
18/01/2023 02:45	42.1	40.2	41.0	39.5
18/01/2023 02:46	41.7	39.9	40.5	39.0
18/01/2023 02:47	40.6	39.0	39.5	38.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 02:48	41.0	38.3	39.5	37.5
18/01/2023 02:49	71.7	59.4	64.0	35.0
18/01/2023 02:50	52.6	37.7	38.5	34.0
18/01/2023 02:51	51.5	38.7	41.0	33.0
18/01/2023 02:52	35.4	33.8	34.5	33.0
18/01/2023 02:53	36.8	35.1	36.0	34.5
18/01/2023 02:54	38.7	36.5	37.5	35.5
18/01/2023 02:55	38.4	36.7	37.5	35.5
18/01/2023 02:56	41.4	37.1	38.0	36.0
18/01/2023 02:57	40.1	36.7	38.0	35.5
18/01/2023 02:58	42.8	37.5	38.5	36.0
18/01/2023 02:59	40.5	38.4	39.5	37.5
18/01/2023 03:00	42.4	40.5	41.5	39.0
18/01/2023 03:01	50.0	42.8	44.5	41.0
18/01/2023 03:02	47.4	41.4	42.5	40.5
18/01/2023 03:03	42.9	40.8	41.5	40.0
18/01/2023 03:04	46.0	40.5	41.5	39.5
18/01/2023 03:05	42.8	40.7	41.5	40.0
18/01/2023 03:06	43.2	40.9	42.0	40.0
18/01/2023 03:07	43.3	41.0	42.0	40.0
18/01/2023 03:08	44.4	40.9	42.0	40.0
18/01/2023 03:09	46.0	41.7	42.5	40.5
18/01/2023 03:10	45.3	42.3	43.5	41.0
18/01/2023 03:11	48.2	41.5	42.5	40.0
18/01/2023 03:12	45.4	41.1	43.0	39.5
18/01/2023 03:13	44.8	41.3	42.5	40.0
18/01/2023 03:14	44.4	42.3	43.0	41.0
18/01/2023 03:15	47.3	42.1	43.5	40.5
18/01/2023 03:16	44.5	41.3	42.5	40.0
18/01/2023 03:17	42.5	40.3	41.0	39.0
18/01/2023 03:18	41.7	39.5	40.5	38.5
18/01/2023 03:19	45.2	40.6	42.5	38.5
18/01/2023 03:20	43.4	40.4	41.5	39.0
18/01/2023 03:21	45.0	41.6	42.5	40.5
18/01/2023 03:22	45.2	42.0	43.0	41.0
18/01/2023 03:23	47.2	42.0	43.5	40.5
18/01/2023 03:24	43.1	40.5	41.5	39.5
18/01/2023 03:25	43.3	40.1	41.5	39.0
18/01/2023 03:26	43.6	41.1	42.0	40.0
18/01/2023 03:27	43.9	41.0	42.0	39.5
18/01/2023 03:28	44.2	41.3	42.5	40.0
18/01/2023 03:29	43.2	40.5	41.5	39.5
18/01/2023 03:30	42.1	39.2	40.5	38.0
18/01/2023 03:31	43.2	39.9	41.0	38.0
18/01/2023 03:32	40.5	38.2	39.0	37.0
18/01/2023 03:33	40.6	38.3	39.5	37.5
18/01/2023 03:34	42.1	38.8	40.0	37.0
18/01/2023 03:35	42.3	38.5	40.0	36.5
18/01/2023 03:36	42.7	39.4	40.5	38.0
18/01/2023 03:37	42.9	39.9	41.0	38.5
18/01/2023 03:38	44.2	40.5	42.5	38.5
18/01/2023 03:39	43.6	40.3	41.5	39.0
18/01/2023 03:40	45.2	42.1	43.5	41.0
18/01/2023 03:41	43.7	41.8	42.5	41.0
18/01/2023 03:42	48.7	43.9	45.5	42.0
18/01/2023 03:43	55.3	45.0	45.5	41.0
18/01/2023 03:44	67.1	54.6	59.5	41.0
18/01/2023 03:45	46.4	41.4	43.0	40.0
18/01/2023 03:46	47.7	40.8	42.5	38.5
18/01/2023 03:47	45.8	41.6	43.5	39.0
18/01/2023 03:48	50.5	42.6	44.5	39.0
18/01/2023 03:49	45.4	40.4	42.0	39.0
18/01/2023 03:50	62.9	51.5	57.0	41.0
18/01/2023 03:51	47.0	41.8	43.5	40.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 03:52	47.5	43.3	45.0	41.0
18/01/2023 03:53	46.6	41.0	42.5	39.5
18/01/2023 03:54	46.4	41.0	43.0	39.5
18/01/2023 03:55	47.2	41.0	42.5	39.0
18/01/2023 03:56	45.3	41.1	42.5	39.5
18/01/2023 03:57	46.7	42.3	44.0	40.5
18/01/2023 03:58	46.7	41.6	43.0	40.0
18/01/2023 03:59	49.6	42.1	43.5	40.5
18/01/2023 04:00	45.2	41.0	42.5	39.5
18/01/2023 04:01	46.9	41.9	43.5	40.5
18/01/2023 04:02	50.4	42.6	44.0	41.5
18/01/2023 04:03	47.7	42.8	44.0	41.5
18/01/2023 04:04	46.6	43.2	44.5	42.0
18/01/2023 04:05	47.8	43.4	44.5	42.0
18/01/2023 04:06	48.8	43.4	45.0	42.0
18/01/2023 04:07	47.6	44.4	45.5	43.5
18/01/2023 04:08	49.0	44.4	45.5	43.5
18/01/2023 04:09	47.6	44.3	45.0	43.5
18/01/2023 04:10	46.8	44.0	45.0	43.0
18/01/2023 04:11	47.5	44.8	45.5	44.0
18/01/2023 04:12	47.8	43.5	44.5	42.5
18/01/2023 04:13	46.7	43.6	44.5	42.5
18/01/2023 04:14	47.5	43.8	45.5	42.5
18/01/2023 04:15	48.5	44.3	45.5	43.5
18/01/2023 04:16	49.2	45.1	47.0	43.5
18/01/2023 04:17	47.2	44.2	45.5	43.0
18/01/2023 04:18	46.4	43.4	45.0	42.0
18/01/2023 04:19	48.5	44.0	46.0	42.0
18/01/2023 04:20	48.7	44.4	46.5	42.5
18/01/2023 04:21	48.5	44.7	47.0	42.0
18/01/2023 04:22	46.0	42.6	44.0	41.5
18/01/2023 04:23	47.4	43.7	45.0	42.5
18/01/2023 04:24	64.2	53.3	58.5	43.5
18/01/2023 04:25	48.1	43.9	45.0	42.5
18/01/2023 04:26	48.4	44.5	46.0	43.5
18/01/2023 04:27	49.5	45.9	47.5	44.0
18/01/2023 04:28	48.1	44.9	45.5	44.0
18/01/2023 04:29	49.6	45.3	46.0	44.5
18/01/2023 04:30	51.5	48.0	49.5	45.5
18/01/2023 04:31	49.3	46.5	48.0	44.5
18/01/2023 04:32	47.4	44.6	45.5	43.5
18/01/2023 04:33	48.1	45.8	47.0	45.0
18/01/2023 04:34	49.0	45.4	46.5	44.5
18/01/2023 04:35	48.6	45.1	46.5	44.0
18/01/2023 04:36	48.4	45.8	46.5	45.0
18/01/2023 04:37	48.3	44.7	46.0	43.5
18/01/2023 04:38	49.2	45.9	47.0	45.0
18/01/2023 04:39	49.3	45.6	46.5	45.0
18/01/2023 04:40	48.9	44.8	46.0	43.5
18/01/2023 04:41	47.6	44.3	45.0	43.5
18/01/2023 04:42	51.1	44.1	45.0	43.0
18/01/2023 04:43	52.9	45.7	48.5	43.0
18/01/2023 04:44	54.0	46.4	49.0	44.0
18/01/2023 04:45	52.9	46.4	48.5	44.5
18/01/2023 04:46	67.2	55.7	61.0	45.5
18/01/2023 04:47	54.0	46.3	48.5	44.5
18/01/2023 04:48	54.0	46.1	49.0	43.5
18/01/2023 04:49	54.5	45.8	48.5	43.5
18/01/2023 04:50	54.2	45.0	47.5	43.0
18/01/2023 04:51	52.7	45.3	47.0	43.5
18/01/2023 04:52	51.0	44.7	46.5	43.0
18/01/2023 04:53	52.9	44.5	47.0	43.0
18/01/2023 04:54	50.7	43.9	46.0	42.5
18/01/2023 04:55	53.4	45.4	47.5	43.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 04:56	52.0	45.0	47.0	43.0
18/01/2023 04:57	51.8	46.3	48.0	44.5
18/01/2023 04:58	49.7	44.0	45.5	42.5
18/01/2023 04:59	53.0	44.7	46.5	42.5
18/01/2023 05:00	49.2	43.7	45.5	42.0
18/01/2023 05:01	46.3	43.4	44.5	42.0
18/01/2023 05:02	48.2	43.0	44.5	41.5
18/01/2023 05:03	48.4	44.8	46.5	43.0
18/01/2023 05:04	47.6	43.3	45.0	41.5
18/01/2023 05:05	48.6	43.7	45.5	42.0
18/01/2023 05:06	48.4	43.9	45.5	41.5
18/01/2023 05:07	47.8	45.2	46.0	44.0
18/01/2023 05:08	70.7	59.6	65.5	44.5
18/01/2023 05:09	54.5	48.6	51.0	46.0
18/01/2023 05:10	63.7	53.1	57.5	46.0
18/01/2023 05:11	48.6	46.3	47.0	45.5
18/01/2023 05:12	48.5	45.9	47.0	45.0
18/01/2023 05:13	48.8	45.7	46.5	45.0
18/01/2023 05:14	47.9	45.4	46.0	44.5
18/01/2023 05:15	51.1	46.2	47.5	45.0
18/01/2023 05:16	49.6	46.1	47.0	45.0
18/01/2023 05:17	50.8	45.7	47.5	44.0
18/01/2023 05:18	48.3	45.3	46.5	44.0
18/01/2023 05:19	47.8	45.1	46.0	44.0
18/01/2023 05:20	50.7	46.3	47.5	45.0
18/01/2023 05:21	50.4	46.2	47.5	44.0
18/01/2023 05:22	50.1	46.3	47.5	45.0
18/01/2023 05:23	70.1	57.1	60.5	45.0
18/01/2023 05:24	50.3	47.2	48.0	46.0
18/01/2023 05:25	50.0	47.4	49.0	46.0
18/01/2023 05:26	50.0	46.6	48.0	45.0
18/01/2023 05:27	49.6	46.7	47.5	45.5
18/01/2023 05:28	54.8	47.1	48.5	45.5
18/01/2023 05:29	67.3	55.7	60.5	46.0
18/01/2023 05:30	71.5	58.4	60.5	49.0
18/01/2023 05:31	54.3	47.7	49.0	46.0
18/01/2023 05:32	65.7	54.3	59.0	45.5
18/01/2023 05:33	50.0	47.0	48.5	45.5
18/01/2023 05:34	48.5	46.2	47.5	45.0
18/01/2023 05:35	48.9	45.4	47.0	43.5
18/01/2023 05:36	49.9	46.4	48.0	44.5
18/01/2023 05:37	56.6	49.7	53.0	46.5
18/01/2023 05:38	51.3	47.6	49.0	46.5
18/01/2023 05:39	50.1	46.8	48.0	46.0
18/01/2023 05:40	49.3	47.1	48.0	46.0
18/01/2023 05:41	63.4	52.7	57.5	46.5
18/01/2023 05:42	50.7	46.8	47.5	46.0
18/01/2023 05:43	71.7	58.9	64.0	46.5
18/01/2023 05:44	73.8	62.3	68.0	46.5
18/01/2023 05:45	49.7	47.6	48.5	46.5
18/01/2023 05:46	62.7	53.0	57.5	48.0
18/01/2023 05:47	63.4	55.5	59.5	50.0
18/01/2023 05:48	54.9	48.2	50.5	46.0
18/01/2023 05:49	67.5	55.5	57.5	47.5
18/01/2023 05:50	62.3	53.3	57.0	48.5
18/01/2023 05:51	74.1	61.5	65.5	47.5
18/01/2023 05:52	54.5	48.9	51.0	47.0
18/01/2023 05:53	63.8	51.7	56.0	45.5
18/01/2023 05:54	66.2	54.0	58.5	46.5
18/01/2023 05:55	64.3	53.1	58.0	45.0
18/01/2023 05:56	67.1	56.7	61.5	47.5
18/01/2023 05:57	69.4	59.1	64.0	46.0
18/01/2023 05:58	68.5	57.1	62.0	46.5
18/01/2023 05:59	65.1	53.7	58.5	45.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 06:00	68.3	57.5	62.5	46.0
18/01/2023 06:01	67.0	55.0	60.0	46.0
18/01/2023 06:02	66.9	55.1	60.5	46.0
18/01/2023 06:03	67.3	55.4	60.5	47.5
18/01/2023 06:04	68.3	55.2	60.0	46.0
18/01/2023 06:05	66.4	54.2	59.0	47.0
18/01/2023 06:06	67.6	55.0	60.0	46.5
18/01/2023 06:07	67.1	51.6	50.5	46.5
18/01/2023 06:08	70.3	56.3	58.0	49.0
18/01/2023 06:09	68.0	57.4	62.0	48.0
18/01/2023 06:10	67.0	55.8	57.0	48.5
18/01/2023 06:11	67.9	57.8	63.0	48.0
18/01/2023 06:12	68.8	57.3	62.5	48.0
18/01/2023 06:13	50.7	48.8	49.5	48.0
18/01/2023 06:14	50.5	48.8	49.5	48.0
18/01/2023 06:15	51.1	49.1	49.5	48.5
18/01/2023 06:16	66.3	55.0	59.5	48.5
18/01/2023 06:17	64.7	54.1	58.5	48.0
18/01/2023 06:18	69.3	54.1	50.5	48.0
18/01/2023 06:19	70.6	60.0	64.5	49.5
18/01/2023 06:20	55.0	49.8	50.5	49.0
18/01/2023 06:21	51.6	49.5	50.5	48.5
18/01/2023 06:22	68.8	56.7	59.5	49.5
18/01/2023 06:23	72.6	61.4	66.0	50.0
18/01/2023 06:24	51.3	49.7	50.5	49.0
18/01/2023 06:25	56.2	49.9	50.5	49.0
18/01/2023 06:26	60.4	52.1	55.5	49.0
18/01/2023 06:27	64.0	54.5	59.5	49.0
18/01/2023 06:28	65.4	54.4	55.0	50.0
18/01/2023 06:29	62.0	51.1	51.5	49.5
18/01/2023 06:30	52.4	50.7	51.5	50.0
18/01/2023 06:31	52.4	50.6	51.5	50.0
18/01/2023 06:32	54.4	50.9	51.5	50.0
18/01/2023 06:33	62.9	54.0	57.5	50.5
18/01/2023 06:34	67.5	58.8	63.0	52.5
18/01/2023 06:35	65.3	54.3	54.5	51.0
18/01/2023 06:36	66.3	57.6	63.0	52.5
18/01/2023 06:37	66.8	56.2	58.5	52.5
18/01/2023 06:38	60.3	54.0	55.5	52.5
18/01/2023 06:39	84.9	67.7	67.5	53.0
18/01/2023 06:40	64.3	55.6	59.0	52.0
18/01/2023 06:41	57.3	53.3	54.5	52.5
18/01/2023 06:42	66.7	56.3	61.5	51.0
18/01/2023 06:43	63.1	54.7	59.0	50.5
18/01/2023 06:44	64.7	55.2	56.5	51.5
18/01/2023 06:45	70.1	57.9	62.0	51.5
18/01/2023 06:46	65.6	57.7	62.5	51.0
18/01/2023 06:47	72.6	60.1	64.0	51.0
18/01/2023 06:48	67.3	58.4	63.0	51.5
18/01/2023 06:49	54.0	51.3	52.0	50.5
18/01/2023 06:50	58.3	51.6	53.0	50.0
18/01/2023 06:51	69.9	61.0	66.0	51.0
18/01/2023 06:52	66.7	55.6	59.5	50.5
18/01/2023 06:53	66.7	59.6	63.5	51.0
18/01/2023 06:54	55.7	51.4	52.0	51.0
18/01/2023 06:55	59.3	52.9	55.0	51.0
18/01/2023 06:56	64.7	57.1	61.0	52.5
18/01/2023 06:57	72.4	59.5	64.0	51.0
18/01/2023 06:58	54.3	51.6	52.5	51.0
18/01/2023 06:59	62.7	56.2	60.0	52.0
18/01/2023 07:00	66.6	55.6	58.0	51.5
18/01/2023 07:01	62.2	55.1	59.0	52.0
18/01/2023 07:02	67.8	57.8	62.0	51.5
18/01/2023 07:03	67.2	53.1	52.5	51.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 07:04	66.6	55.2	57.5	51.0
18/01/2023 07:05	68.4	60.1	64.5	52.5
18/01/2023 07:06	54.5	52.5	53.0	52.0
18/01/2023 07:07	54.9	52.6	53.5	51.5
18/01/2023 07:08	63.5	56.2	60.0	52.5
18/01/2023 07:09	61.2	54.6	56.0	52.5
18/01/2023 07:10	66.9	59.5	63.5	53.5
18/01/2023 07:11	66.7	55.1	55.5	52.5
18/01/2023 07:12	65.1	56.0	58.5	52.5
18/01/2023 07:13	67.8	57.8	62.5	52.5
18/01/2023 07:14	68.3	58.9	63.0	52.0
18/01/2023 07:15	62.1	54.5	58.0	52.0
18/01/2023 07:16	69.0	61.5	65.5	52.5
18/01/2023 07:17	55.3	53.1	54.5	52.0
18/01/2023 07:18	66.5	55.9	58.5	52.5
18/01/2023 07:19	70.1	60.6	65.0	52.0
18/01/2023 07:20	65.1	55.2	58.5	51.0
18/01/2023 07:21	72.5	61.3	65.0	51.5
18/01/2023 07:22	64.9	57.3	60.5	52.0
18/01/2023 07:23	73.3	63.8	68.5	52.5
18/01/2023 07:24	68.8	57.8	60.5	52.5
18/01/2023 07:25	63.9	55.5	59.5	51.5
18/01/2023 07:26	64.1	55.4	60.5	51.0
18/01/2023 07:27	69.7	57.9	59.0	51.5
18/01/2023 07:28	64.8	55.3	58.0	52.0
18/01/2023 07:29	62.4	54.7	57.5	52.0
18/01/2023 07:30	67.3	58.8	63.5	53.0
18/01/2023 07:31	68.9	59.0	64.0	51.5
18/01/2023 07:32	72.0	62.3	68.0	51.5
18/01/2023 07:33	65.9	59.0	63.5	52.0
18/01/2023 07:34	66.8	59.3	64.0	53.5
18/01/2023 07:35	67.6	61.3	65.0	54.0
18/01/2023 07:36	69.3	62.4	67.5	52.5
18/01/2023 07:37	66.5	58.1	63.0	51.0
18/01/2023 07:38	70.5	60.5	65.5	50.5
18/01/2023 07:39	66.9	58.6	64.0	50.5
18/01/2023 07:40	73.9	64.3	67.5	55.0
18/01/2023 07:41	71.7	60.4	64.5	52.5
18/01/2023 07:42	64.5	56.4	60.0	52.5
18/01/2023 07:43	67.3	57.8	62.5	52.0
18/01/2023 07:44	70.3	57.7	60.5	53.0
18/01/2023 07:45	72.4	62.4	66.0	53.0
18/01/2023 07:46	72.3	59.0	63.5	52.0
18/01/2023 07:47	72.5	61.5	66.0	52.5
18/01/2023 07:48	68.4	61.0	65.5	53.5
18/01/2023 07:49	67.7	61.6	66.0	52.5
18/01/2023 07:50	71.7	61.9	67.0	53.0
18/01/2023 07:51	76.6	65.7	69.0	55.0
18/01/2023 07:52	69.6	63.3	67.5	53.0
18/01/2023 07:53	68.3	60.1	64.5	53.0
18/01/2023 07:54	68.7	62.6	65.5	55.0
18/01/2023 07:55	73.6	62.3	66.5	54.5
18/01/2023 07:56	77.2	63.1	66.0	56.0
18/01/2023 07:57	82.2	64.4	67.0	56.5
18/01/2023 07:58	71.0	61.4	64.5	55.5
18/01/2023 07:59	69.9	60.9	65.5	53.5
18/01/2023 08:00	70.1	62.0	66.0	54.0
18/01/2023 08:01	67.7	61.6	64.5	55.0
18/01/2023 08:02	69.1	63.0	67.0	53.5
18/01/2023 08:03	70.6	63.7	67.5	55.0
18/01/2023 08:04	70.3	63.3	67.5	54.5
18/01/2023 08:05	72.0	63.9	67.0	54.5
18/01/2023 08:06	72.5	63.0	67.0	54.0
18/01/2023 08:07	74.3	64.7	68.0	54.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 08:08	70.4	62.7	67.0	54.0
18/01/2023 08:09	70.2	62.3	66.5	54.0
18/01/2023 08:10	70.4	62.4	65.5	53.0
18/01/2023 08:11	77.7	64.6	67.0	59.5
18/01/2023 08:12	68.8	62.7	66.0	56.5
18/01/2023 08:13	68.5	61.8	65.0	56.5
18/01/2023 08:14	72.8	63.8	66.5	56.5
18/01/2023 08:15	67.8	61.8	65.5	54.0
18/01/2023 08:16	69.7	63.5	67.0	56.0
18/01/2023 08:17	69.1	62.1	66.5	54.5
18/01/2023 08:18	75.6	63.8	67.5	54.5
18/01/2023 08:19	74.7	64.6	68.0	54.0
18/01/2023 08:20	71.9	64.9	67.5	58.5
18/01/2023 08:21	72.0	63.7	66.5	56.0
18/01/2023 08:22	69.6	65.4	68.0	60.0
18/01/2023 08:23	69.4	62.7	65.0	55.0
18/01/2023 08:24	70.4	64.7	68.5	53.0
18/01/2023 08:25	69.5	62.9	66.5	55.0
18/01/2023 08:26	70.9	65.2	68.5	59.0
18/01/2023 08:27	73.3	64.9	68.0	54.0
18/01/2023 08:28	69.6	64.5	67.0	59.0
18/01/2023 08:29	70.0	65.1	67.5	58.5
18/01/2023 08:30	70.1	64.1	67.5	55.0
18/01/2023 08:31	70.0	64.7	67.5	58.0
18/01/2023 08:32	71.3	64.0	67.5	55.0
18/01/2023 08:33	69.0	63.0	66.5	56.0
18/01/2023 08:34	70.3	62.9	67.0	52.5
18/01/2023 08:35	63.5	57.4	61.0	52.0
18/01/2023 08:36	73.1	61.7	63.5	53.5
18/01/2023 08:37	67.6	61.0	65.0	52.5
18/01/2023 08:38	70.0	63.7	67.0	58.0
18/01/2023 08:39	68.7	59.0	64.0	50.5
18/01/2023 08:40	70.7	63.3	67.0	53.5
18/01/2023 08:41	69.7	61.9	66.0	50.5
18/01/2023 08:42	66.7	58.9	64.5	49.5
18/01/2023 08:43	66.6	59.1	63.0	52.0
18/01/2023 08:44	70.5	62.7	65.5	56.5
18/01/2023 08:45	73.5	61.9	64.5	53.0
18/01/2023 08:46	69.1	61.9	66.0	52.0
18/01/2023 08:47	69.9	60.4	65.0	52.5
18/01/2023 08:48	71.7	63.1	66.5	56.5
18/01/2023 08:49	67.1	59.1	64.0	52.5
18/01/2023 08:50	69.4	62.9	66.0	54.5
18/01/2023 08:51	69.1	65.1	67.0	60.0
18/01/2023 08:52	70.2	62.1	66.0	51.5
18/01/2023 08:53	69.7	62.9	66.0	53.5
18/01/2023 08:54	69.0	61.0	65.5	52.0
18/01/2023 08:55	68.7	62.8	65.5	56.0
18/01/2023 08:56	71.3	62.5	66.0	54.0
18/01/2023 08:57	71.4	64.2	68.0	54.0
18/01/2023 08:58	74.1	64.5	67.0	56.5
18/01/2023 08:59	71.3	63.2	67.5	51.5
18/01/2023 09:00	67.9	59.1	63.5	51.0
18/01/2023 09:01	69.0	62.2	66.5	52.0
18/01/2023 09:02	74.8	64.3	67.5	52.0
18/01/2023 09:03	68.4	61.6	66.0	53.0
18/01/2023 09:04	66.4	59.4	64.0	53.0
18/01/2023 09:05	70.2	62.9	66.5	52.5
18/01/2023 09:06	69.5	61.6	67.0	52.5
18/01/2023 09:07	69.8	63.1	67.0	54.5
18/01/2023 09:08	67.6	60.4	65.0	51.5
18/01/2023 09:09	71.6	62.1	67.5	51.5
18/01/2023 09:10	68.4	62.7	66.5	52.5
18/01/2023 09:11	71.0	62.7	67.0	53.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 09:12	71.0	61.2	66.0	52.5
18/01/2023 09:13	68.1	56.8	61.0	51.0
18/01/2023 09:14	70.8	59.5	64.5	50.0
18/01/2023 09:15	70.1	61.8	66.5	51.5
18/01/2023 09:16	69.4	62.2	67.0	51.5
18/01/2023 09:17	67.3	58.3	63.0	51.0
18/01/2023 09:18	68.7	60.6	65.5	52.0
18/01/2023 09:19	69.2	60.1	64.5	51.5
18/01/2023 09:20	67.8	57.7	63.0	50.5
18/01/2023 09:21	67.9	57.2	61.0	51.0
18/01/2023 09:22	70.3	62.9	68.0	53.5
18/01/2023 09:23	70.6	62.6	65.5	55.5
18/01/2023 09:24	67.4	60.2	65.0	51.5
18/01/2023 09:25	53.0	51.5	52.0	51.0
18/01/2023 09:26	68.9	60.5	65.5	51.5
18/01/2023 09:27	70.3	62.1	66.5	51.5
18/01/2023 09:28	66.5	59.7	63.5	53.0
18/01/2023 09:29	71.5	64.1	70.0	51.5
18/01/2023 09:30	63.2	55.3	59.5	51.0
18/01/2023 09:31	71.4	60.1	64.0	51.5
18/01/2023 09:32	67.9	56.0	59.5	51.0
18/01/2023 09:33	72.8	61.9	65.0	52.5
18/01/2023 09:34	68.2	56.8	59.0	51.0
18/01/2023 09:35	69.9	58.2	63.5	51.0
18/01/2023 09:36	74.8	63.5	67.5	53.5
18/01/2023 09:37	69.3	57.5	61.0	51.0
18/01/2023 09:38	70.7	60.8	66.0	52.0
18/01/2023 09:39	68.4	58.8	64.0	52.0
18/01/2023 09:40	67.2	56.5	59.0	52.0
18/01/2023 09:41	69.4	60.1	64.5	52.0
18/01/2023 09:42	64.9	56.6	59.5	52.5
18/01/2023 09:43	70.4	61.7	66.5	51.0
18/01/2023 09:44	67.9	55.3	55.0	52.0
18/01/2023 09:45	70.1	60.6	65.5	52.5
18/01/2023 09:46	60.1	53.4	54.5	52.0
18/01/2023 09:47	68.5	59.3	63.5	52.0
18/01/2023 09:48	68.4	59.4	65.0	51.5
18/01/2023 09:49	67.7	59.0	64.0	51.5
18/01/2023 09:50	64.2	57.6	62.0	52.0
18/01/2023 09:51	64.8	58.8	62.5	53.0
18/01/2023 09:52	65.4	56.8	61.0	52.5
18/01/2023 09:53	67.9	57.4	61.5	51.5
18/01/2023 09:54	68.7	58.2	62.0	51.5
18/01/2023 09:55	68.1	60.1	64.0	52.5
18/01/2023 09:56	69.9	59.8	64.5	52.0
18/01/2023 09:57	72.7	63.5	68.0	53.0
18/01/2023 09:58	69.1	56.9	59.0	50.5
18/01/2023 09:59	70.0	60.7	66.0	50.5
18/01/2023 10:00	71.8	60.2	64.0	51.0
18/01/2023 10:01	53.8	51.3	52.0	50.5
18/01/2023 10:02	70.0	60.7	64.0	52.0
18/01/2023 10:03	65.6	54.0	54.0	50.5
18/01/2023 10:04	58.3	52.8	55.0	51.0
18/01/2023 10:05	66.4	58.9	64.5	51.0
18/01/2023 10:06	70.9	58.7	63.5	50.0
18/01/2023 10:07	69.7	58.6	61.0	51.0
18/01/2023 10:08	70.0	58.6	62.5	51.5
18/01/2023 10:09	72.1	60.7	65.0	51.0
18/01/2023 10:10	67.5	58.4	62.5	51.5
18/01/2023 10:11	69.3	57.3	62.5	50.0
18/01/2023 10:12	72.2	61.1	65.0	51.5
18/01/2023 10:13	65.0	55.9	60.5	50.5
18/01/2023 10:14	66.6	55.2	58.0	49.5
18/01/2023 10:15	68.8	59.5	64.5	50.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 10:16	67.4	56.0	60.0	50.0
18/01/2023 10:17	70.6	60.9	64.5	54.5
18/01/2023 10:18	69.9	60.8	66.5	51.0
18/01/2023 10:19	66.0	54.0	54.5	49.5
18/01/2023 10:20	69.8	59.8	65.0	51.0
18/01/2023 10:21	64.5	54.7	58.5	49.5
18/01/2023 10:22	71.5	56.5	59.0	50.0
18/01/2023 10:23	65.4	56.1	61.5	50.0
18/01/2023 10:24	53.2	51.0	52.0	50.5
18/01/2023 10:25	70.5	59.7	64.0	51.0
18/01/2023 10:26	61.6	54.3	58.0	51.0
18/01/2023 10:27	66.4	56.6	61.0	50.5
18/01/2023 10:28	75.8	62.9	66.0	51.5
18/01/2023 10:29	68.6	58.2	63.5	50.0
18/01/2023 10:30	52.5	50.7	51.0	50.0
18/01/2023 10:31	56.1	50.9	51.5	50.5
18/01/2023 10:32	65.9	55.4	58.5	50.5
18/01/2023 10:33	53.5	50.6	51.5	50.0
18/01/2023 10:34	67.6	58.0	64.5	50.0
18/01/2023 10:35	69.2	61.2	65.5	53.0
18/01/2023 10:36	61.0	51.9	53.0	50.5
18/01/2023 10:37	68.3	59.9	65.0	50.5
18/01/2023 10:38	61.5	53.5	58.0	50.0
18/01/2023 10:39	62.6	51.0	51.5	50.0
18/01/2023 10:40	63.3	54.3	57.5	50.5
18/01/2023 10:41	70.5	61.3	66.5	51.5
18/01/2023 10:42	68.8	57.9	62.0	51.0
18/01/2023 10:43	67.7	59.4	65.0	51.0
18/01/2023 10:44	68.6	59.3	64.5	51.0
18/01/2023 10:45	71.4	61.9	67.5	52.0
18/01/2023 10:46	77.6	63.9	66.0	52.5
18/01/2023 10:47	66.2	57.1	61.5	51.0
18/01/2023 10:48	72.3	59.2	59.5	50.0
18/01/2023 10:49	72.3	62.6	67.5	50.0
18/01/2023 10:50	67.9	56.1	59.5	51.5
18/01/2023 10:51	67.7	59.2	63.5	52.5
18/01/2023 10:52	68.2	60.6	65.0	51.5
18/01/2023 10:53	66.7	58.6	63.5	52.0
18/01/2023 10:54	72.2	61.8	67.5	50.5
18/01/2023 10:55	68.2	58.8	63.5	51.5
18/01/2023 10:56	67.9	59.2	64.5	51.0
18/01/2023 10:57	67.5	58.3	64.0	52.0
18/01/2023 10:58	62.7	53.6	54.5	51.0
18/01/2023 10:59	76.4	63.7	66.0	50.0
18/01/2023 11:00	73.6	65.4	70.5	50.5
18/01/2023 11:01	68.3	58.7	62.5	50.0
18/01/2023 11:02	67.4	57.7	62.5	51.0
18/01/2023 11:03	68.1	60.6	65.0	51.0
18/01/2023 11:04	70.5	63.0	67.5	53.0
18/01/2023 11:05	72.0	59.3	62.5	50.0
18/01/2023 11:06	79.3	65.4	67.0	51.0
18/01/2023 11:07	73.0	62.7	68.0	51.5
18/01/2023 11:08	72.2	63.5	67.0	51.5
18/01/2023 11:09	70.6	59.1	63.5	50.0
18/01/2023 11:10	66.0	55.4	59.5	50.5
18/01/2023 11:11	67.2	58.0	63.0	50.0
18/01/2023 11:12	64.1	53.2	54.0	51.0
18/01/2023 11:13	71.5	62.5	66.5	54.0
18/01/2023 11:14	66.5	56.6	60.5	50.0
18/01/2023 11:15	69.9	60.3	65.0	51.5
18/01/2023 11:16	77.8	65.2	69.0	51.5
18/01/2023 11:17	69.3	53.7	56.5	50.5
18/01/2023 11:18	66.6	58.2	63.5	51.5
18/01/2023 11:19	67.2	56.4	61.5	49.5

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 11:20	64.9	54.4	57.5	49.0
18/01/2023 11:21	65.6	57.5	61.5	49.5
18/01/2023 11:22	66.9	57.3	61.0	51.0
18/01/2023 11:23	68.1	57.3	61.5	50.5
18/01/2023 11:24	70.6	58.8	63.5	49.5
18/01/2023 11:25	70.7	59.9	64.5	49.0
18/01/2023 11:26	69.5	58.5	63.5	48.0
18/01/2023 11:27	62.8	53.1	57.0	47.5
18/01/2023 11:28	64.2	54.2	58.5	48.0
18/01/2023 11:29	69.2	59.5	65.5	48.0
18/01/2023 11:30	64.9	55.5	59.0	50.0
18/01/2023 11:31	66.1	56.1	60.5	49.0
18/01/2023 11:32	68.6	57.6	62.5	48.5
18/01/2023 11:33	64.9	52.7	55.5	48.0
18/01/2023 11:34	74.8	63.3	68.0	49.5
18/01/2023 11:35	61.0	52.5	56.5	49.0
18/01/2023 11:36	71.8	60.9	65.0	50.0
18/01/2023 11:37	71.3	57.3	60.5	49.5
18/01/2023 11:38	69.9	59.6	64.0	50.0
18/01/2023 11:39	73.9	62.1	66.0	49.5
18/01/2023 11:40	71.3	61.9	66.5	49.0
18/01/2023 11:41	70.3	58.1	63.5	49.5
18/01/2023 11:42	69.9	60.4	65.5	49.0
18/01/2023 11:43	66.4	58.7	64.0	48.5
18/01/2023 11:44	69.8	62.3	67.0	48.5
18/01/2023 11:45	51.0	49.2	49.5	48.5
18/01/2023 11:46	64.5	54.3	58.5	48.5
18/01/2023 11:47	69.4	60.0	66.0	48.5
18/01/2023 11:48	55.8	49.6	51.0	48.0
18/01/2023 11:49	67.9	58.6	64.0	50.5
18/01/2023 11:50	64.1	54.7	60.0	50.0
18/01/2023 11:51	70.2	59.9	63.5	50.5
18/01/2023 11:52	66.2	58.4	63.0	50.5
18/01/2023 11:53	67.8	59.1	63.5	49.5
18/01/2023 11:54	65.8	56.4	62.0	47.5
18/01/2023 11:55	67.7	60.7	65.5	50.5
18/01/2023 11:56	68.1	57.4	62.5	49.0
18/01/2023 11:57	73.6	63.2	67.0	50.0
18/01/2023 11:58	60.4	53.2	57.0	49.0
18/01/2023 11:59	71.5	60.4	66.5	49.0
18/01/2023 12:00	55.0	49.8	51.0	48.5
18/01/2023 12:01	65.0	57.8	63.5	50.0
18/01/2023 12:02	51.8	48.6	50.0	48.0
18/01/2023 12:03	67.1	56.2	60.0	49.0
18/01/2023 12:04	70.6	62.2	68.0	51.0
18/01/2023 12:05	70.3	60.7	66.0	50.0
18/01/2023 12:06	70.4	63.2	67.5	52.0
18/01/2023 12:07	71.6	60.7	63.5	50.5
18/01/2023 12:08	69.8	62.4	65.5	53.0
18/01/2023 12:09	66.9	61.6	65.0	49.5
18/01/2023 12:10	65.3	56.1	61.5	49.0
18/01/2023 12:11	69.7	61.2	66.5	49.0
18/01/2023 12:12	65.6	56.4	61.5	49.5
18/01/2023 12:13	70.0	60.3	65.0	50.0
18/01/2023 12:14	68.0	56.3	59.0	49.5
18/01/2023 12:15	67.1	58.0	62.5	50.0
18/01/2023 12:16	65.0	57.6	62.5	50.0
18/01/2023 12:17	66.4	59.6	64.0	51.5
18/01/2023 12:18	67.1	58.4	63.5	49.5
18/01/2023 12:19	71.7	62.4	68.0	50.0
18/01/2023 12:20	66.1	56.0	61.0	50.0
18/01/2023 12:21	66.9	58.0	62.0	51.5
18/01/2023 12:22	68.3	60.4	65.5	49.0
18/01/2023 12:23	66.2	55.8	59.5	48.0

NM1 ALL DATA (grey cells cut due to noise from IDOM personnel entering / exiting site)

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 12:24	67.7	58.7	64.5	48.5
18/01/2023 12:25	69.1	57.3	60.5	49.5
18/01/2023 12:26	64.2	54.7	59.0	49.0
18/01/2023 12:27	68.3	58.6	61.5	50.5
18/01/2023 12:28	68.8	58.1	62.0	48.0
18/01/2023 12:29	71.3	60.9	66.5	52.0
18/01/2023 12:30	68.8	58.2	62.0	49.5
18/01/2023 12:31	68.1	60.5	65.5	48.5
18/01/2023 12:32	78.9	63.6	67.0	50.0
18/01/2023 12:33	72.0	61.2	66.5	49.5
18/01/2023 12:34	69.9	58.5	63.5	49.0
18/01/2023 12:35	64.7	53.8	58.0	48.5
18/01/2023 12:36	62.5	52.7	54.0	49.0
18/01/2023 12:37	65.9	56.5	62.5	49.5
18/01/2023 12:38	67.0	55.2	57.5	48.5
18/01/2023 12:39	65.2	55.1	57.5	48.0
18/01/2023 12:40	69.2	60.1	65.0	49.5
18/01/2023 12:41	70.2	62.0	67.0	48.5
18/01/2023 12:42	68.7	58.4	62.5	48.0
18/01/2023 12:43	65.9	55.8	59.5	48.0
18/01/2023 12:44	71.8	60.2	64.5	51.5
18/01/2023 12:45	69.1	59.7	64.5	48.5
18/01/2023 12:46	56.9	49.4	50.5	48.0
18/01/2023 12:47	67.3	58.2	62.0	49.0
18/01/2023 12:48	66.8	59.8	64.5	51.5
18/01/2023 12:49	69.3	59.6	65.0	47.5
18/01/2023 12:50	67.5	57.3	63.0	47.5
18/01/2023 12:51	69.7	61.7	66.5	52.0
18/01/2023 12:52	68.5	58.3	64.5	49.0
18/01/2023 12:53	70.0	61.1	66.5	49.5
18/01/2023 12:54	67.2	58.8	63.0	49.5
18/01/2023 12:55	53.2	49.2	50.0	48.0
18/01/2023 12:56	78.9	66.0	68.5	48.5
18/01/2023 12:57	69.4	57.7	63.0	46.5
18/01/2023 12:58	72.1	61.6	66.0	48.0
18/01/2023 12:59	69.9	58.4	63.0	49.0
18/01/2023 13:00	69.8	58.5	63.0	49.0
18/01/2023 13:01	64.9	53.7	59.0	47.0
18/01/2023 13:02	66.6	55.7	59.5	48.0
18/01/2023 13:03	67.2	55.9	60.5	47.5
18/01/2023 13:04	66.5	58.4	63.5	50.0
18/01/2023 13:05	67.4	58.3	63.5	48.0
18/01/2023 13:06	69.4	61.8	66.5	51.0
18/01/2023 13:07	73.7	61.4	66.0	47.5
18/01/2023 13:08	62.8	54.0	57.5	49.5
18/01/2023 13:09	69.0	61.3	66.5	50.0
18/01/2023 13:10	71.1	63.1	68.5	49.0
18/01/2023 13:11	68.1	59.8	64.0	49.0
18/01/2023 13:12	67.1	61.3	66.0	55.5

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 11:49	57.0	49.4	53.5	46.5
18/01/2023 11:50	58.7	50.7	53.5	46.5
18/01/2023 11:51	56.9	49.8	52.5	46.0
18/01/2023 11:52	58.6	51.3	53.5	47.5
18/01/2023 11:53	57.4	48.5	51.5	45.0
18/01/2023 11:54	75.4	52.9	54.5	44.5
18/01/2023 11:55	58.2	51.2	55.5	46.0
18/01/2023 11:56	58.9	51.8	56.0	45.5
18/01/2023 11:57	64.9	52.2	55.5	45.5
18/01/2023 11:58	59.5	49.7	50.5	47.0
18/01/2023 11:59	62.8	50.9	55.5	45.5
18/01/2023 12:00	53.9	47.0	48.0	45.5
18/01/2023 12:01	56.3	49.2	53.0	45.0
18/01/2023 12:02	47.3	45.2	46.5	44.5
18/01/2023 12:03	61.2	53.0	57.5	46.5
18/01/2023 12:04	60.8	50.6	54.0	46.5
18/01/2023 12:05	61.3	54.4	58.0	47.0
18/01/2023 12:06	59.7	51.4	55.5	47.0
18/01/2023 12:07	62.2	52.3	55.5	47.0
18/01/2023 12:08	60.8	53.8	57.0	47.0
18/01/2023 12:09	57.6	52.2	55.0	46.0
18/01/2023 12:10	61.2	51.6	55.5	46.0
18/01/2023 12:11	60.6	48.4	49.5	46.0
18/01/2023 12:12	60.6	52.4	56.0	46.5
18/01/2023 12:13	59.3	49.9	52.5	46.5
18/01/2023 12:14	64.7	48.5	50.0	46.0
18/01/2023 12:15	57.3	49.5	52.0	46.5
18/01/2023 12:16	56.7	50.1	53.5	47.0
18/01/2023 12:17	58.0	51.8	55.0	48.5
18/01/2023 12:18	58.4	50.0	52.0	46.0
18/01/2023 12:19	63.4	53.2	58.5	46.0
18/01/2023 12:20	59.0	51.1	54.5	47.0
18/01/2023 12:21	54.1	49.4	52.5	46.0
18/01/2023 12:22	58.1	51.7	55.5	47.0
18/01/2023 12:23	50.2	45.9	47.0	45.0
18/01/2023 12:24	58.3	50.5	54.5	46.0
18/01/2023 12:25	59.0	49.4	51.5	46.0
18/01/2023 12:26	60.3	50.9	53.5	46.0
18/01/2023 12:27	54.8	49.7	52.5	46.5
18/01/2023 12:28	61.1	51.3	55.5	45.0
18/01/2023 12:29	64.8	53.9	57.5	47.5
18/01/2023 12:30	58.4	50.2	53.0	45.5
18/01/2023 12:31	60.4	51.9	56.0	45.5
18/01/2023 12:32	70.6	55.8	58.0	47.0
18/01/2023 12:33	65.5	52.6	56.5	46.5
18/01/2023 12:34	59.0	48.6	50.0	46.5
18/01/2023 12:35	54.8	47.4	49.5	45.0
18/01/2023 12:36	56.7	49.6	53.0	47.0
18/01/2023 12:37	58.2	48.3	50.0	46.0
18/01/2023 12:38	50.0	46.2	48.0	44.5
18/01/2023 12:39	61.4	50.4	54.0	45.0
18/01/2023 12:40	62.9	52.8	56.5	47.0
18/01/2023 12:41	62.4	51.8	56.5	45.0
18/01/2023 12:42	54.8	47.6	50.5	44.5
18/01/2023 12:43	56.9	49.9	52.0	46.0
18/01/2023 12:44	60.0	51.9	55.5	46.0
18/01/2023 12:45	61.2	50.8	54.5	45.0
18/01/2023 12:46	57.5	48.3	50.5	45.0
18/01/2023 12:47	57.9	49.7	52.0	45.5
18/01/2023 12:48	58.1	50.9	54.5	47.5
18/01/2023 12:49	62.1	51.5	55.5	44.5
18/01/2023 12:50	61.5	52.3	56.0	47.0
18/01/2023 12:51	59.7	51.4	55.5	46.0
18/01/2023 12:52	59.4	50.4	54.5	46.0
18/01/2023 12:53	61.6	53.1	57.0	47.5

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 12:54	56.5	48.9	51.5	46.0
18/01/2023 12:55	57.5	48.3	51.0	45.0
18/01/2023 12:56	74.5	59.9	60.0	45.0
18/01/2023 12:57	59.9	50.3	55.5	43.5
18/01/2023 12:58	62.5	51.6	55.5	44.5
18/01/2023 12:59	61.5	51.7	55.0	45.5
18/01/2023 13:00	51.6	46.8	48.5	45.5
18/01/2023 13:01	56.1	48.0	51.5	44.0
18/01/2023 13:02	57.4	48.7	52.0	44.0
18/01/2023 13:03	59.8	51.0	55.0	45.0
18/01/2023 13:04	58.2	50.5	53.5	47.0
18/01/2023 13:05	61.3	51.7	56.5	44.5
18/01/2023 13:06	62.2	52.3	55.5	45.5
18/01/2023 13:07	68.5	54.8	58.0	44.0
18/01/2023 13:08	58.6	48.7	52.0	45.0
18/01/2023 13:09	61.8	53.8	58.0	46.0
18/01/2023 13:10	61.3	51.4	56.5	44.5
18/01/2023 13:11	60.2	52.8	56.5	47.5
18/01/2023 13:12	63.4	53.4	57.5	44.0
18/01/2023 13:13	52.3	45.2	47.0	43.5
18/01/2023 13:14	55.3	46.4	49.5	43.5
18/01/2023 13:15	62.7	54.5	58.5	46.0
18/01/2023 13:16	59.2	51.2	55.0	45.5
18/01/2023 13:17	58.2	50.8	55.0	44.5
18/01/2023 13:18	59.8	49.0	53.0	43.5
18/01/2023 13:19	67.3	53.0	52.5	44.0
18/01/2023 13:20	47.7	44.5	45.5	43.5
18/01/2023 13:21	59.5	50.3	53.5	44.5
18/01/2023 13:22	58.4	49.9	53.0	46.0
18/01/2023 13:23	63.2	51.2	53.0	44.5
18/01/2023 13:24	61.6	49.5	52.0	44.5
18/01/2023 13:25	59.1	51.1	54.0	46.5
18/01/2023 13:26	58.2	50.6	54.0	46.0
18/01/2023 13:27	63.9	52.2	55.0	43.0
18/01/2023 13:28	61.3	51.9	56.0	44.0
18/01/2023 13:29	50.4	45.8	47.0	44.5
18/01/2023 13:30	59.5	48.6	51.0	44.0
18/01/2023 13:31	63.6	52.0	55.0	46.5
18/01/2023 13:32	59.0	51.2	55.5	45.0
18/01/2023 13:33	64.6	52.4	56.5	43.0
18/01/2023 13:34	59.6	51.4	56.0	42.5
18/01/2023 13:35	60.4	50.1	54.5	45.0
18/01/2023 13:36	60.0	51.8	55.0	44.5
18/01/2023 13:37	60.5	51.8	55.5	47.5
18/01/2023 13:38	68.1	56.1	59.5	46.0
18/01/2023 13:39	51.9	44.7	46.0	43.0
18/01/2023 13:40	58.6	49.9	54.0	45.0
18/01/2023 13:41	54.3	47.0	49.0	44.5
18/01/2023 13:42	58.1	50.8	53.5	47.0
18/01/2023 13:43	65.2	54.3	57.5	49.5
18/01/2023 13:44	61.7	53.7	57.0	49.0
18/01/2023 13:45	60.3	51.3	57.0	45.5
18/01/2023 13:46	57.3	50.0	52.0	47.5
18/01/2023 13:47	56.3	49.0	51.5	46.0
18/01/2023 13:48	58.9	50.8	54.5	45.0
18/01/2023 13:49	59.9	50.7	54.5	46.0
18/01/2023 13:50	59.3	51.0	54.5	47.0
18/01/2023 13:51	62.1	49.6	52.5	44.5
18/01/2023 13:52	61.9	53.1	56.5	47.5
18/01/2023 13:53	60.8	52.5	56.0	47.5
18/01/2023 13:54	59.7	52.0	55.5	47.0
18/01/2023 13:55	60.3	54.0	57.5	47.5
18/01/2023 13:56	65.7	54.1	58.0	45.5
18/01/2023 13:57	59.5	51.3	55.5	45.0
18/01/2023 13:58	55.8	48.5	52.0	45.5

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 13:59	61.9	53.1	58.0	45.5
18/01/2023 14:00	61.7	51.4	55.0	44.5
18/01/2023 14:01	61.4	52.4	56.5	45.5
18/01/2023 14:02	62.5	53.1	57.0	45.5
18/01/2023 14:03	67.5	55.5	59.5	46.0
18/01/2023 14:04	60.4	53.4	56.0	49.0
18/01/2023 14:05	60.3	53.2	56.5	48.0
18/01/2023 14:06	62.3	51.3	54.5	46.0
18/01/2023 14:07	61.5	52.2	56.0	45.5
18/01/2023 14:08	60.9	50.7	54.5	46.0
18/01/2023 14:09	55.7	47.5	50.0	44.5
18/01/2023 14:10	62.0	54.0	57.5	46.5
18/01/2023 14:11	58.7	50.8	54.0	46.5
18/01/2023 14:12	64.8	54.0	59.0	45.5
18/01/2023 14:13	53.7	45.1	46.0	43.0
18/01/2023 14:14	53.2	46.0	48.5	43.5
18/01/2023 14:15	57.4	49.5	54.0	44.5
18/01/2023 14:16	59.9	50.9	55.0	44.5
18/01/2023 14:17	74.2	60.7	59.0	47.5
18/01/2023 14:18	66.3	54.1	58.5	44.0
18/01/2023 14:19	50.6	45.2	47.0	43.5
18/01/2023 14:20	58.2	50.5	54.0	44.5
18/01/2023 14:21	60.4	52.0	55.5	46.5
18/01/2023 14:22	59.9	51.4	54.0	47.0
18/01/2023 14:23	61.0	53.6	56.5	49.5
18/01/2023 14:24	58.3	51.4	55.0	47.0
18/01/2023 14:25	58.8	51.9	55.0	48.0
18/01/2023 14:26	60.3	49.6	52.5	46.0
18/01/2023 14:27	62.6	51.9	55.5	47.0
18/01/2023 14:28	64.8	51.2	52.0	45.5
18/01/2023 14:29	65.6	51.0	55.0	44.5
18/01/2023 14:30	58.4	48.0	51.0	44.5
18/01/2023 14:31	58.3	48.1	49.0	45.0
18/01/2023 14:32	62.0	50.0	52.0	46.0
18/01/2023 14:33	59.8	52.5	56.5	46.0
18/01/2023 14:34	62.6	54.3	58.0	46.5
18/01/2023 14:35	62.7	53.6	57.5	48.0
18/01/2023 14:36	58.0	49.8	53.5	44.5
18/01/2023 14:37	65.6	55.0	59.0	46.0
18/01/2023 14:38	63.4	52.7	56.0	44.0
18/01/2023 14:39	59.1	50.5	55.0	44.0
18/01/2023 14:40	59.9	53.2	56.5	48.0
18/01/2023 14:41	62.8	53.2	57.0	47.5
18/01/2023 14:42	60.3	53.1	57.0	46.5
18/01/2023 14:43	63.1	54.0	58.0	46.5
18/01/2023 14:44	58.5	51.4	54.5	47.0
18/01/2023 14:45	61.0	51.5	54.0	46.5
18/01/2023 14:46	57.7	49.4	52.0	45.5
18/01/2023 14:47	59.0	51.8	56.0	45.5
18/01/2023 14:48	62.3	54.9	57.5	50.0
18/01/2023 14:49	58.7	50.0	53.5	45.5
18/01/2023 14:50	58.8	51.4	55.0	45.5
18/01/2023 14:51	61.6	52.4	56.5	47.0
18/01/2023 14:52	63.5	53.6	57.5	47.0
18/01/2023 14:53	59.2	52.0	55.5	47.0
18/01/2023 14:54	59.8	51.1	55.0	46.0
18/01/2023 14:55	60.7	51.2	54.0	47.0
18/01/2023 14:56	59.7	47.8	50.5	45.5
18/01/2023 14:57	56.8	52.3	55.5	46.5
18/01/2023 14:58	57.7	52.0	54.5	47.0
18/01/2023 14:59	64.0	54.1	57.5	45.0
18/01/2023 15:00	56.9	51.2	55.5	46.5
18/01/2023 15:01	62.2	53.8	56.5	47.5
18/01/2023 15:02	57.9	52.4	56.0	47.5
18/01/2023 15:03	58.9	53.7	57.0	49.0

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 15:04	58.6	50.9	53.5	46.5
18/01/2023 15:05	56.0	50.8	54.0	46.5
18/01/2023 15:06	59.6	51.4	54.5	47.0
18/01/2023 15:07	59.9	53.3	55.5	47.0
18/01/2023 15:08	57.5	52.0	55.5	46.5
18/01/2023 15:09	63.1	55.3	57.5	52.0
18/01/2023 15:10	67.9	57.2	60.5	51.5
18/01/2023 15:11	64.6	54.1	57.5	48.5
18/01/2023 15:12	66.1	56.4	60.0	51.5
18/01/2023 15:13	70.8	58.0	60.5	53.5
18/01/2023 15:14	72.7	57.4	60.0	49.5
18/01/2023 15:15	70.3	57.2	59.0	53.0
18/01/2023 15:16	64.0	53.5	56.0	48.5
18/01/2023 15:17	58.7	53.0	56.5	48.5
18/01/2023 15:18	60.9	54.2	58.0	49.0
18/01/2023 15:19	62.5	54.1	58.0	49.0
18/01/2023 15:20	65.2	53.3	56.5	47.0
18/01/2023 15:21	73.0	59.5	60.5	49.0
18/01/2023 15:22	64.8	55.8	58.5	50.0
18/01/2023 15:23	65.7	55.2	58.5	49.0
18/01/2023 15:24	59.7	53.6	56.5	49.0
18/01/2023 15:25	64.1	57.9	61.0	51.5
18/01/2023 15:26	61.1	54.9	58.0	50.0
18/01/2023 15:27	63.4	56.8	60.0	51.5
18/01/2023 15:28	63.6	54.4	58.5	48.0
18/01/2023 15:29	59.8	53.5	56.0	48.5
18/01/2023 15:30	60.3	52.6	56.0	48.0
18/01/2023 15:31	60.8	52.2	56.0	45.0
18/01/2023 15:32	62.4	53.7	57.0	48.0
18/01/2023 15:33	65.7	54.2	58.0	46.0
18/01/2023 15:34	62.7	54.1	58.0	47.5
18/01/2023 15:35	64.0	55.6	59.5	47.5
18/01/2023 15:36	62.6	55.1	58.5	50.5
18/01/2023 15:37	63.3	52.7	56.5	46.5
18/01/2023 15:38	69.4	54.2	56.5	48.5
18/01/2023 15:39	65.8	53.5	56.0	50.0
18/01/2023 15:40	61.3	53.2	56.0	47.5
18/01/2023 15:41	80.9	68.2	71.0	54.0
18/01/2023 15:42	66.0	52.4	56.0	46.5
18/01/2023 15:43	75.0	64.0	68.5	48.0
18/01/2023 15:44	60.0	54.3	58.0	48.0
18/01/2023 15:45	59.6	52.6	56.0	48.0
18/01/2023 15:46	59.3	52.2	56.5	45.0
18/01/2023 15:47	63.9	53.7	57.5	47.0
18/01/2023 15:48	57.9	51.1	55.5	45.5
18/01/2023 15:49	62.8	53.5	56.5	47.0
18/01/2023 15:50	57.8	51.3	54.0	47.5
18/01/2023 15:51	54.7	49.8	53.0	46.0
18/01/2023 15:52	59.4	51.7	55.0	46.5
18/01/2023 15:53	60.6	53.2	57.0	45.5
18/01/2023 15:54	60.6	53.6	57.0	47.5
18/01/2023 15:55	59.5	52.4	55.5	48.0
18/01/2023 15:56	59.4	53.3	57.0	48.5
18/01/2023 15:57	59.5	52.1	55.0	48.0
18/01/2023 15:58	61.0	53.1	56.5	47.5
18/01/2023 15:59	60.6	53.5	56.0	49.0
18/01/2023 16:00	57.8	51.1	54.5	46.5
18/01/2023 16:01	60.8	52.8	56.0	47.5
18/01/2023 16:02	59.5	50.1	53.5	46.0
18/01/2023 16:03	58.6	52.4	56.0	45.5
18/01/2023 16:04	59.3	53.5	57.0	48.5
18/01/2023 16:05	57.9	51.2	55.5	46.0
18/01/2023 16:06	57.5	49.8	53.0	45.5
18/01/2023 16:07	56.6	49.9	54.0	47.0
18/01/2023 16:08	60.2	54.4	57.5	48.0

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 16:09	59.6	52.9	56.5	47.5
18/01/2023 16:10	62.2	52.2	55.0	45.5
18/01/2023 16:11	56.4	49.9	52.5	45.5
18/01/2023 16:12	60.1	52.5	55.5	47.0
18/01/2023 16:13	60.8	53.1	56.5	48.5
18/01/2023 16:14	62.6	54.3	58.0	49.0
18/01/2023 16:15	57.5	51.4	55.5	47.0
18/01/2023 16:16	58.9	51.1	53.5	47.5
18/01/2023 16:17	62.3	52.3	56.0	47.5
18/01/2023 16:18	60.9	54.2	57.5	49.0
18/01/2023 16:19	61.8	55.1	58.5	51.0
18/01/2023 16:20	59.3	52.7	56.5	49.0
18/01/2023 16:21	59.6	52.4	56.0	46.5
18/01/2023 16:22	62.0	53.8	57.5	47.5
18/01/2023 16:23	61.7	52.6	57.0	47.5
18/01/2023 16:24	62.1	52.6	56.5	46.0
18/01/2023 16:25	61.3	53.2	57.5	46.0
18/01/2023 16:26	59.3	50.7	55.0	46.5
18/01/2023 16:27	61.7	51.9	54.0	47.5
18/01/2023 16:28	58.6	52.6	55.0	49.0
18/01/2023 16:29	59.4	51.0	54.0	46.5
18/01/2023 16:30	64.5	55.2	57.5	45.5
18/01/2023 16:31	59.0	52.9	55.5	46.0
18/01/2023 16:32	62.8	53.9	57.0	49.0
18/01/2023 16:33	59.3	53.5	56.5	49.5
18/01/2023 16:34	63.4	53.8	57.0	49.0
18/01/2023 16:35	73.7	60.1	60.0	47.0
18/01/2023 16:36	56.8	50.4	53.5	47.0
18/01/2023 16:37	59.3	53.9	57.0	49.5
18/01/2023 16:38	60.8	52.7	55.5	48.0
18/01/2023 16:39	58.0	52.6	56.0	48.0
18/01/2023 16:40	60.4	54.4	58.0	48.5
18/01/2023 16:41	59.1	51.5	53.5	47.5
18/01/2023 16:42	58.8	51.4	55.5	46.5
18/01/2023 16:43	62.3	54.6	58.0	48.0
18/01/2023 16:44	61.1	52.5	56.5	47.0
18/01/2023 16:45	59.7	51.2	54.0	47.5
18/01/2023 16:46	61.7	54.7	58.0	48.5
18/01/2023 16:47	60.5	53.2	56.5	48.5
18/01/2023 16:48	61.2	50.2	53.0	47.0
18/01/2023 16:49	65.1	55.6	59.0	49.0
18/01/2023 16:50	61.2	52.6	56.5	46.0
18/01/2023 16:51	60.6	52.8	56.5	45.5
18/01/2023 16:52	60.5	50.0	52.5	45.5
18/01/2023 16:53	57.1	49.8	53.0	45.5
18/01/2023 16:54	60.7	55.3	58.0	51.0
18/01/2023 16:55	59.2	51.2	54.0	47.0
18/01/2023 16:56	59.0	50.2	54.0	46.0
18/01/2023 16:57	61.5	51.9	56.5	46.0
18/01/2023 16:58	62.4	52.5	55.5	47.5
18/01/2023 16:59	56.4	50.1	54.0	45.5
18/01/2023 17:00	58.8	53.0	56.5	47.5
18/01/2023 17:01	62.6	52.5	55.5	46.0
18/01/2023 17:02	62.0	54.1	57.0	49.5
18/01/2023 17:03	59.7	54.8	58.0	49.0
18/01/2023 17:04	58.5	52.4	56.0	48.5
18/01/2023 17:05	58.9	52.3	55.5	48.5
18/01/2023 17:06	63.0	53.6	57.5	48.0
18/01/2023 17:07	61.0	54.6	58.0	48.5
18/01/2023 17:08	59.4	54.8	57.5	49.0
18/01/2023 17:09	58.3	52.9	55.5	48.5
18/01/2023 17:10	59.0	52.0	54.5	49.0
18/01/2023 17:11	62.8	54.7	58.0	48.0
18/01/2023 17:12	58.6	51.8	54.0	49.0
18/01/2023 17:13	59.2	51.0	54.0	47.5

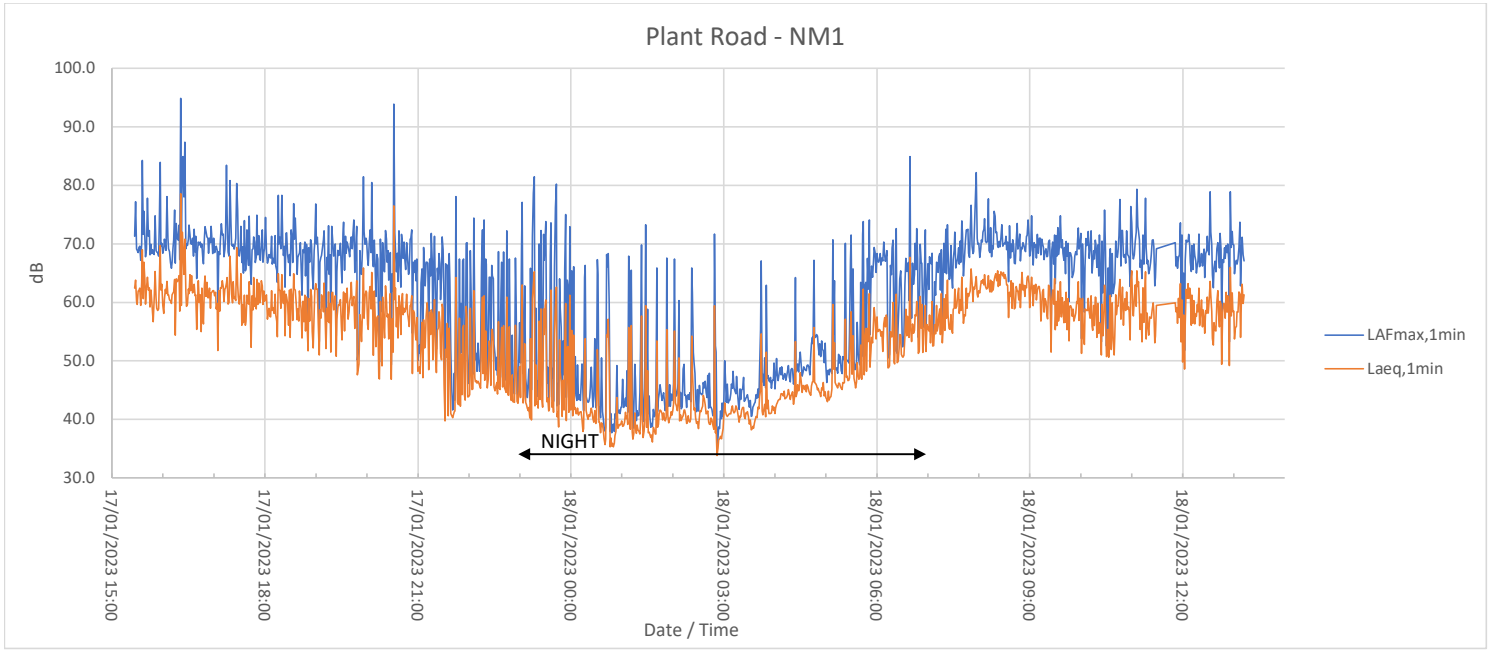
NM2 1 min

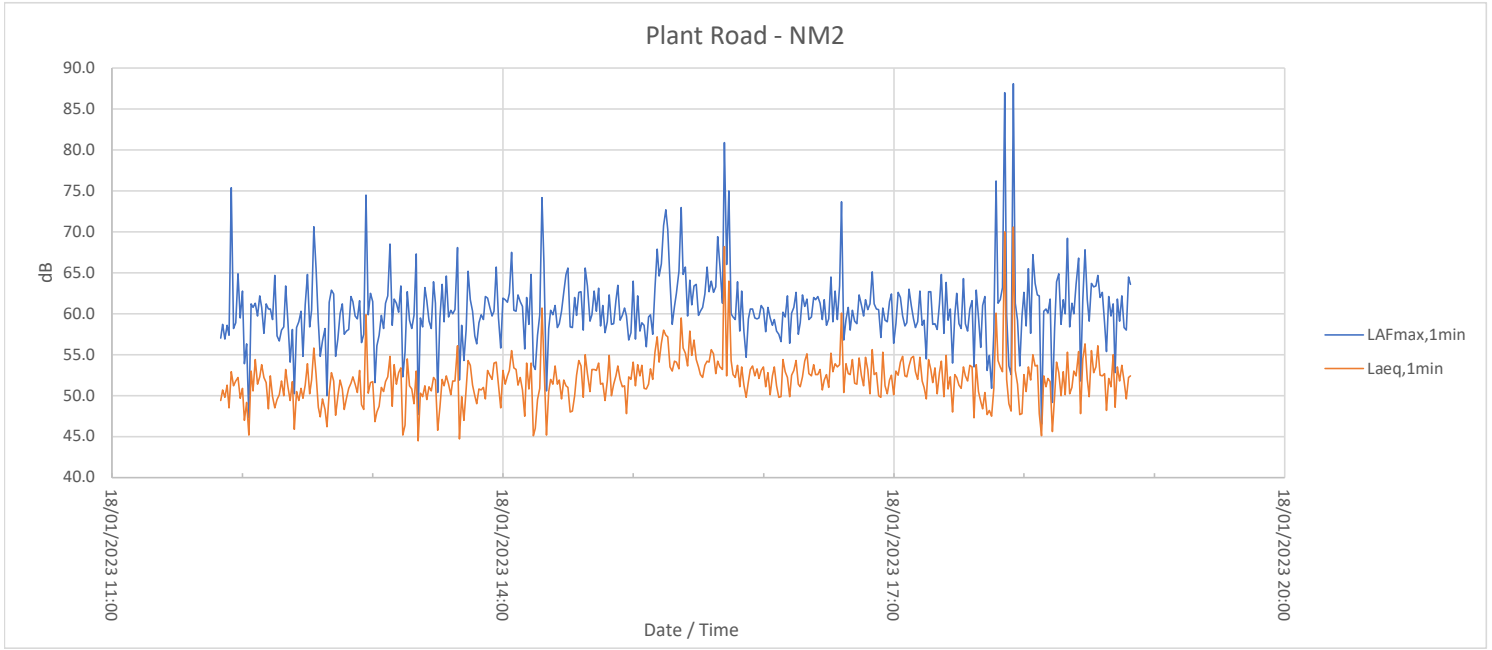
SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 17:14	54.5	49.6	51.5	47.0
18/01/2023 17:15	62.7	54.4	58.0	49.5
18/01/2023 17:16	62.7	53.2	56.5	48.5
18/01/2023 17:17	58.7	51.6	55.5	47.5
18/01/2023 17:18	58.8	53.4	56.5	49.0
18/01/2023 17:19	58.1	50.2	53.0	46.0
18/01/2023 17:20	61.2	52.8	57.0	45.5
18/01/2023 17:21	64.8	54.2	58.5	47.5
18/01/2023 17:22	57.6	49.9	53.5	46.5
18/01/2023 17:23	63.8	54.9	58.0	48.5
18/01/2023 17:24	59.2	50.8	54.0	47.5
18/01/2023 17:25	60.6	52.3	57.0	47.0
18/01/2023 17:26	54.0	48.0	49.5	46.0
18/01/2023 17:27	59.8	52.6	57.0	47.0
18/01/2023 17:28	62.5	52.2	55.0	46.5
18/01/2023 17:29	58.8	51.3	55.0	47.5
18/01/2023 17:30	58.2	50.9	53.5	46.5
18/01/2023 17:31	64.3	53.5	57.5	46.0
18/01/2023 17:32	58.8	52.4	56.0	47.5
18/01/2023 17:33	57.9	51.8	54.0	48.0
18/01/2023 17:34	60.6	53.7	57.5	46.5
18/01/2023 17:35	61.6	53.5	57.0	47.0
18/01/2023 17:36	53.5	47.3	48.5	46.0
18/01/2023 17:37	62.9	53.8	57.0	47.5
18/01/2023 17:38	59.6	50.5	53.5	46.5
18/01/2023 17:39	55.9	49.3	51.5	47.0
18/01/2023 17:40	61.0	48.4	50.0	46.0
18/01/2023 17:41	62.1	50.4	52.0	46.5
18/01/2023 17:42	53.1	47.7	50.0	46.0
18/01/2023 17:43	54.9	48.2	50.5	46.0
18/01/2023 17:44	50.9	47.5	49.5	46.5
18/01/2023 17:45	57.8	50.9	54.5	48.0
18/01/2023 17:46	76.2	60.1	60.5	49.0
18/01/2023 17:47	61.3	54.3	58.5	48.5
18/01/2023 17:48	61.7	53.5	57.5	49.0
18/01/2023 17:49	63.2	52.9	56.5	48.0
18/01/2023 17:50	87.0	70.0	63.5	49.0
18/01/2023 17:51	59.9	52.0	55.0	47.5
18/01/2023 17:52	53.6	49.0	50.0	47.5
18/01/2023 17:53	52.6	48.1	48.5	47.5
18/01/2023 17:54	88.1	70.6	65.0	51.0
18/01/2023 17:55	61.3	53.1	56.5	48.0
18/01/2023 17:56	59.2	51.4	55.0	46.5
18/01/2023 17:57	53.6	47.7	49.5	46.0
18/01/2023 17:58	59.7	47.8	49.0	46.5
18/01/2023 17:59	62.6	52.6	56.0	47.5
18/01/2023 18:00	58.5	50.5	53.5	46.0
18/01/2023 18:01	65.5	53.5	57.5	45.0
18/01/2023 18:02	57.6	51.9	55.5	47.0
18/01/2023 18:03	67.2	55.0	58.5	49.5
18/01/2023 18:04	63.7	53.6	56.0	49.0
18/01/2023 18:05	62.3	53.7	58.5	45.5
18/01/2023 18:06	62.2	47.8	48.0	44.5
18/01/2023 18:07	46.5	45.1	45.5	44.5
18/01/2023 18:08	60.3	52.4	57.0	46.0
18/01/2023 18:09	60.6	51.1	53.5	46.5
18/01/2023 18:10	60.1	52.1	57.0	45.0
18/01/2023 18:11	61.8	51.7	57.5	44.5
18/01/2023 18:12	49.2	45.6	46.5	44.5
18/01/2023 18:13	58.3	50.0	53.5	45.0
18/01/2023 18:14	63.9	54.1	59.5	45.5
18/01/2023 18:15	64.9	52.8	56.0	44.0
18/01/2023 18:16	58.7	50.0	55.5	43.5
18/01/2023 18:17	61.7	52.9	57.5	44.0
18/01/2023 18:18	60.0	50.1	53.0	44.5

NM2 1 min

SAMPLETIME	LAFMAX	LAEQ	LAF10	LAF90
18/01/2023 18:19	69.2	55.3	58.5	45.0
18/01/2023 18:20	58.4	50.2	54.0	45.5
18/01/2023 18:21	61.3	51.0	53.5	47.0
18/01/2023 18:22	60.0	53.0	56.0	48.5
18/01/2023 18:23	63.6	52.4	56.0	47.5
18/01/2023 18:24	66.8	55.4	57.0	49.5
18/01/2023 18:25	51.8	47.8	49.5	46.5
18/01/2023 18:26	61.7	54.5	58.5	48.0
18/01/2023 18:27	67.8	56.3	60.0	48.5
18/01/2023 18:28	61.7	52.0	54.0	47.5
18/01/2023 18:29	59.1	49.9	53.0	46.5
18/01/2023 18:30	63.7	55.5	59.5	48.0
18/01/2023 18:31	63.3	52.8	56.0	47.5
18/01/2023 18:32	63.4	53.5	57.5	46.5
18/01/2023 18:33	64.7	56.1	60.0	49.5
18/01/2023 18:34	62.0	52.5	57.5	46.0
18/01/2023 18:35	62.6	52.4	55.5	47.0
18/01/2023 18:36	58.9	52.7	56.5	47.5
18/01/2023 18:37	55.4	48.2	51.5	46.0
18/01/2023 18:38	62.1	52.1	56.0	46.0
18/01/2023 18:39	59.7	51.1	54.5	47.5
18/01/2023 18:40	61.2	55.0	58.0	47.5
18/01/2023 18:41	52.8	48.6	50.0	47.5
18/01/2023 18:42	61.8	53.5	57.0	47.5
18/01/2023 18:43	59.1	51.8	55.5	47.0
18/01/2023 18:44	62.2	53.7	58.5	47.0
18/01/2023 18:45	58.3	51.8	55.0	47.0
18/01/2023 18:46	58.0	49.6	52.0	47.5
18/01/2023 18:47	64.5	52.2	54.0	47.0
18/01/2023 18:48	63.6	52.4	54.5	47.5

APPENDIX 4 ▪ Sound Level Graphs


Plant Road - NM1
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
dB
NIGHT
17/01/2023 15:00
17/01/2023 18:00
17/01/2023 21:00
18/01/2023 00:00
18/01/2023 03:00
18/01/2023 06:00
18/01/2023 09:00
18/01/2023 12:00
Date / Time
LAFmax,1min
Laeq,1min


Plant Road - NM2
90.0
85.0
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
dB
18/01/2023 11:00
18/01/2023 14:00
18/01/2023 17:00
18/01/2023 20:00
Date / Time
LAFmax,1min
Laeq,1min

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